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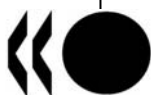
**THE OECD ORBIS DATABASE:  
RESPONDING TO THE NEED FOR FIRM-LEVEL MICRO-DATA IN THE OECD**

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**THE OECD ORBIS DATABASE:  
RESPONDING TO THE NEED FOR FIRM-LEVEL MICRO-DATA IN THE OECD**

**Samuel Pinto Ribeiro, Stefano Menghinello and Koen De Backer\***

OECD Statistics Directorate

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Samuel Pinto Ribeiro is a statistician in the OECD Statistics Directorate working on micro-data. Stefano Menghinello is a senior research officer at the National Statistical Institute (ISTAT) in Italy and acted as consultant to the OECD. Koen De Backer is a senior economist in the OECD Directorate for Science, Technology and Industry; at the time of writing this paper, he was responsible for business statistics, micro-data and entrepreneurship in the OECD Statistics Directorate.

## **ABSTRACT**

Firm-level micro-data have become increasingly important in OECD activities not only for econometric analysis that captures heterogeneity across enterprises but also in order to conduct different and more detailed types of data aggregation (*e.g.* by geographical unit, firm size, industry). This paper describes the development of the OECD ORBIS micro database. This database includes more than 200 variables providing financial and ownership information for over 44 million companies across the world.

The paper provides an overview of the nature of these data, and of the advantages and disadvantages of such administrative micro-data for research. It describes the data included in the OECD ORBIS database and the cleaning procedures that have been undertaken to identify suspicious values. The paper then presents some preliminary aggregate results showing the potential of the database. Finally, it identifies some structural biases in the database and the steps that should be taken to correct them.

## **RESUME**

L'accès aux micro-données d'entreprises est devenu très important dans le cadre des activités de l'OCDE non seulement pour les analyses économiques qui mettent en évidence l'hétérogénéité des entreprises mais aussi dans le cadre d'études conduisant à des agrégations plus détaillées (par zone géographique, taille d'entreprise ou industrie). Ce document décrit le développement de la base ORBIS au sein de l'OCDE. Cette base de données comporte plus de 200 variables fournissant des informations sur l'actionnariat et les comptes financiers de plus de 44 millions d'entreprises à travers le monde.

Ce document fournit une vue d'ensemble sur la nature des données ainsi que les avantages et les inconvénients de telles données pour la recherche. Il décrit les données incluses dans la base OCDE ORBIS et les procédures de nettoyage qui ont été mises en place pour identifier les valeurs aberrantes. De plus, ce document présente les résultats d'une agrégation préliminaire mettant en évidence le potentiel de la base de données. Finalement, il montre certaines erreurs systématiques nécessitant une amélioration de la représentativité des données.

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## 1. INTRODUCTION: THE INCREASING IMPORTANCE OF MICRO-DATA

1. Official statistics produced by national statistical offices (NSOs) have traditionally focused on macro-based statistics and indicators, particularly in an international context. But as the world economy becomes more global, complex and diverse, comprehensive and good quality of micro-data has become an important tool for evidence-based decision making on complex issues. At the same time, rapid advances in computational capabilities have allowed for the processing of large databases of micro-data.

2. Access to official micro-data confronts NSOs with a serious challenge. They need to provide policy makers and analysts with the best information available but in doing so, they run the risk of disclosing confidential information. This would damage the integrity of the office and, potentially, the willingness of respondents to cooperate with the statistical agency in the future. Consequently, until recently there was widespread acceptance amongst statistical agencies that the risks posed by deliberate or accidental disclosure of confidential information outweighed the potential benefits that could be gained from providing access to micro-data.

3. The past years, however, have witnessed a clear trend away from ‘risk avoidance’ towards ‘risk management’ strategies. Several countries have recently taken steps towards expanding the information disseminated by their NSOs. Statistical offices have started to look towards a variety of modes (public use files, remote access/execution, etc.) through which micro-data could be made available. The OECD has set up a working group together with Eurostat and interested countries to exchange ideas and experiences of micro-data access and to analyze how further progress could be realized to make micro-data available to researchers and policy makers.<sup>1</sup> International access to micro-data has become an important issue since researchers increasingly collaborate on a global level, but are confronted with restricted national access to micro-data because of confidentiality problems.

4. However, a number of technical, legal and statistical constraints still hinder the international dissemination of official micro-data. It is likely that these barriers will only be resolved in the medium to long term. Commercial databases, especially for firm-level information, may however represent a valuable alternative source of information in the short term, since these databases typically collect publicly available information where confidentiality is not an issue. The creation and maintenance of databases gathering firm-level information across a wide range of countries has attracted a lot of attention in recent years; commercial firm-level databases (like ORBIS, AMADEUS, BANKSCOPE, etc.) are largely used within the business community and, more recently, by academic scholars.

5. Micro-data are also increasingly used at the OECD not only for econometric analysis that aims at capturing the heterogeneity of economic actors but also for different and more detailed ways of data aggregation (*e.g.* by geographical unit, firm size, industry). Examples of micro-data analysis at the firm-level include:

- The measurement of productivity and its determinants.
- Innovation – identifying the characteristics of innovative firms and people (ICT, R&D) and their benefits.
- Entrepreneurship – factors shaping business success, characteristics of high growth firms, etc.

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<sup>1</sup> Australia, Canada, the Netherlands, New-Zealand, Sweden, the United Kingdom, France, Ireland, Japan and the United States have expressed their interest in participating in this informal working group.

- Employment – types of firms that create the most employment, determinants of employment at the firm level.
- Globalisation – looking at whether multinationals are more efficient and productive than domestically owned firms, the types of businesses that have benefited most from globalisation or the role played by outsourcing.

6. Reflecting the growing need of business micro-data for structural analysis, six OECD Directorates have decided in fall 2008 to buy jointly the ORBIS database of Bureau van Dijk which contains firm-level information about companies located around the world. Given that the original database format was not designed for econometric analysis and research, these directorates have cooperated (extracting and checking data, designing database model, implementing an IT infrastructure) in order to develop a database fulfilling the research needs of the OECD. This OECD ORBIS database is accessible since May 2009 for OECD researchers only.

7. This paper describes the process in developing the OECD database and provides background on the nature of the data. The paper analyses the advantages and drawbacks of this kind of information source and presents some first aggregate results showing the potential of this database. In addition, the paper also describes the cleaning and checking undertaken by the OECD in order to increase the quality of the included data. Firm-level micro-data will be increasingly used in OECD analytical publications but it is beyond the scope of this paper to give an exhaustive overview of the current and future use of this database across the OECD.

## **2. ADMINISTRATIVE FIRM-LEVEL MICRO-DATA IN ORBIS: ADVANTAGES AND DRAWBACKS**

### ***2.1. The ORBIS –database of Bureau Van Dijk***

8. The ORBIS database of Bureau Van Dijk (BvDEP) is a commercial database which contains administrative information on 44 million companies or business records around the world (update of July 2008); in the meantime, the number of companies has expanded (up to 55 million) as more countries and companies have been added. Over 99% of the companies covered in this database are private companies (see Table 1).<sup>2</sup>

9. The ORBIS database is not an exhaustive database of all companies around the world, although the aim of BvDEP is to increase its coverage in all countries. The ORBIS database is a collection of business records rather than a comprehensive and coherent business register. This means that records for an individual company can be duplicated in the database depending upon the type of business record considered (consolidated or unconsolidated economic accounts) or possible unit duplications.

10. BvDEP collects the most relevant firm's database(s) in each country taking into account quality insurance, category of firms, and accuracy of the information. The information is sourced from over 40 different information providers using a multitude of data sources, typically national and/or local public institutions collecting data to fulfill legal and/or administrative requirements (see Annex 1 for a list of the data providers). The ORBIS database organizes these public data from administrative sources and filters them into various standard formats to facilitate searching and company comparisons. The ORBIS formats have been derived from the most common formats used for the presentation of business accounts in Europe, following European Union guidelines.

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<sup>2</sup> Description of the ORBIS product by BvDEP (Bureau Van Dijk, 2009):  
<http://www.bvdinfo.com/getattachment/59ebbe81-0c5b-41d7-a347-484ae7702ee1/Orbis.aspx>

11. Balance sheet information (the main interest for the OECD, in addition to profit/loss statements and ownership information) is collected by local Chambers of Commerce and disseminated in electronic format by national data providers. These data represent for most countries the bulk of the ORBIS business information system at the national level. In addition, the ORBIS database contains media articles referring to specific firms, rating and country reports, ownership and mergers & acquisitions data. This additional information included in ORBIS is sourced from other public databases, such as the listed companies' database or the shareholders register. National private databases are usually used when administrative databases at the national level are not available or reliable.

12. Table 1 shows the distribution of firms included in the ORBIS database by country and sector; large differences in availability and hence coverage come clear across countries. The distribution by size class shows an important weakness of the ORBIS database as for more than 18 million companies no information about employment is available. This is due to the fact that employment is not a mandatory variable in balance sheet data.

**Table 1: Breakdown of companies/business records in the ORBIS database (update July 2008)**

*By main country/region*

| Main country / region                       | Number of firms   | Percentage share of the total |
|---------------------------------------------|-------------------|-------------------------------|
| France                                      | 1,380,905         | 3.10%                         |
| United Kingdom                              | 4,085,422         | 9.10%                         |
| Germany                                     | 1,470,782         | 3.30%                         |
| Russian Federation                          | 3,554,837         | 8.00%                         |
| Rest of Eastern Europe                      | 2,074,397         | 4.60%                         |
| Rest of Western Europe                      | 7,674,767         | 17.20%                        |
| <b>Total Europe</b>                         | <b>20,241,110</b> | <b>45.30%</b>                 |
| North America                               | 15,733,211        | 35.20%                        |
| South and Central America                   | 6,568,056         | 14.70%                        |
| Japan                                       | 1,387,359         | 3.10%                         |
| China                                       | 307,354           | 0.70%                         |
| Africa                                      | 233,037           | 0.50%                         |
| Rest of the world                           | 237,203           | 0.50%                         |
| Memorandum items:                           |                   |                               |
| Total OECD                                  | 32,833,108        | 73.40%                        |
| Total OECD Accession Countries <sup>1</sup> | 3,728,726         | 8.30%                         |
| Total BIICS <sup>2</sup>                    | 4,525,670         | 10.10%                        |
| <b>Total ORBIS</b>                          | <b>44,707,330</b> |                               |

1 – Chile, Estonia, Israel, Russia, Slovenia.

2 - Brazil, India, Indonesia, China and South Africa.

*By industry*

| Main Industries/Services                                             | Number of firms | Percentage share of the total |
|----------------------------------------------------------------------|-----------------|-------------------------------|
| Agriculture, Forestry, And Fishing                                   | 1,209,722       | 2.71%                         |
| Mining                                                               | 138,355         | 0.31%                         |
| Construction                                                         | 3,717,502       | 8.32%                         |
| Manufacturing                                                        | 3,949,391       | 8.83%                         |
| Transportation, Communications, Electric, Gas, And Sanitary Services | 1,992,495       | 4.46%                         |
| Wholesale Trade                                                      | 5,614,023       | 12.56%                        |
| Retail Trade                                                         | 8,305,580       | 18.58%                        |
| Finance, Insurance, And Real Estate                                  | 3,982,699       | 8.91%                         |
| Services                                                             | 13,581,875      | 30.38%                        |
| Public Administration                                                | 232,348         | 0.52%                         |
| N/A                                                                  | 1,983,340       | 4.44%                         |

*By size class\**

| Size Class       | Number of firms | Percentage share of the total |
|------------------|-----------------|-------------------------------|
| 0                | 21,178          | 0.05%                         |
| 1-9 Employees    | 20,585,949      | 46.05%                        |
| 10-19 Employees  | 2,291,969       | 5.13%                         |
| 20-49 Employees  | 1,629,941       | 3.65%                         |
| 50-249 Employees | 1,117,075       | 2.50%                         |
| 250+ Employees   | 292,157         | 0.65%                         |
| N/A              | 18,769,061      | 41.98%                        |

\* Number of employees for the last available year

**2.2. Advantages and disadvantages of administrative data**

13. Administrative data are increasingly used for defining statistical units and checking/updating business registers for reasons of availability and cost efficiency. No new data collection is required as administrative sources are often free, particularly if they originate from the public sector. Less staff input is needed in collecting and processing the data. At the same time, the use of administrative data helps to reduce the response burden that would otherwise fall on respondents.

14. Administrative datasets like the ORBIS database have typically a census-like nature and have *ceteris paribus* a broad coverage. Because of their large size, (firm-level) administrative databases often allow applied economic analysis of subgroups, *e.g.* investigating firm behaviour by industry and/or enterprise size or by geographical area. In addition, administrative micro-data permit the construction of longitudinal panels. The ORBIS database, for example, collects firm-level information over a period of 10 years.

15. Administrative data can also be used to construct panel data sets that allow to model enterprise behaviour and the impact of changes in determinants of this behaviour (changes in enterprise strategy, business environment, governments policies, etc.). The creation of panel datasets of company micro-data clearly requires continuity over time in firm-level information to guarantee a sufficient panel size. Official business surveys are somewhat hampered in this regard as firms are selected on the basis of a rotating sample to minimise response burdens. This means that the probability that a firm is surveyed continuously over time is very low, especially for small size enterprises and micro-firms.

16. But administrative datasets also have drawbacks. The most important one is the quality of the data which may be inferior relative to official survey or register data produced by National Statistical Offices. Data collection systems adopted by NSOs are designed to minimise non-systematic errors in the capturing, coding and electronic registration of statistical variables. Quality controls are present at different stages of the statistical production process, from the detection of outliers and basic inconsistencies in raw data to the accuracy testing of the final estimates. As a result, official statistical data meet high quality standards.

17. This is not always the case with administrative data, where loosely designed data collection systems may introduce ambiguity and bias in data capturing and data codification. Quality controls on administrative data are often limited to detect formal or IT inconsistencies (variables, length and range of variation, etc). Consequently, administrative data may be of poor quality, in terms of missing, incomplete and inconsistent information. This makes it difficult to distinguish between poor data quality and true variability which is typically higher in administrative datasets than in the case of official micro-datasets (Menghinello, 2007a).

18. Business data and especially firm balance-sheet information, however are a partial exception in this respect. As data quality for this type of administrative information can be easily checked using basic accounting algebra, balance sheet data are usually of fairly good quality.

19. The different data collections may also impact on the nature and the characteristics of administrative data as compared to statistical survey or register data, contributing to measurement errors, classification biases, selection bias, etc. Selection bias might arise since administrative data typically include firms with specific legal forms directly related to a given administrative data requirement (for instance the company status in the case of balance-sheet requirement). Firms with a different legal form are excluded *a priori*, resulting in a poorer coverage and substantial deviations in (aggregate) variables from the total population of firms (Menghinello, 2007b).

20. Administrative data are developed mostly outside and independently from the methodological framework adopted by NSOs. This may lead to shortcomings as regards the following aspects:

- *The unit of analysis*: the administrative unit (often equivalent to a legal unit) does not necessarily correspond to the statistical unit. In the ORBIS database for example, it is not always clear whether a company or a business record refers to the typical statistical unit consisting of the enterprise or the establishment. In addition, by focusing on firms with balance-sheet information, the ORBIS database suffers from some structural biases in its coverage relative to the statistical business register: in particular small and medium-sized firms are underrepresented in the ORBIS-database.
- *Definitions of variables*: since administrative data are typically collected for specific administrative purposes, definitions may be different from those used in the statistical system. In particular, the definitions of balance-sheet variables in the ORBIS database are based on standard firm accounting information, which do not always match the standard definitions of the System of National Accounts. This may lead to divergences in value-added and fixed investments, for example.
- *Classification schemes*: administrative sources typically use schemes which may differ from statistical classifications systems, or might use the same schemes but in a (slightly) different way. Fortunately, official statistical classifications of economic activity are widely used for administrative requirements and the activity code, as well as other relevant business information is usually attached to company balance sheets. Companies are usually classified according to their primary activity, which may create some biases when aggregating

business records by industry (e.g. in the case of firms whose output contribute to two different industrial sectors); a classification by “primary” activity is also used by ORBIS.

- *Stability in administrative sources:* administrative sources are generally set up for specific purposes (e.g. collecting taxes, monitoring government policies, etc.) and are therefore susceptible to political/legal/administrative changes. Data may be affected in terms of coverage, definitions, thresholds, etc. if the objective and set-up of administrative collections are changed.

21. These are some of the reasons explaining why (commercial) administrative datasets have been considered of limited use by official entities like NSOs. Comparability may be a problem when administrative firm-level data are internationally pooled like in the ORBIS database. While in administrative data the definition of variables is usually less harmonised than in official surveys<sup>3</sup>, this is less of a problem in the ORBIS database because of the common international format of balance sheets. For example, although some discrepancies in profit/loss statements may arise following differences in fiscal systems across countries, balance sheet variables largely adhere to international standards.

22. The ORBIS database suffers only to a minor extent from differences in activity classifications across countries since classification schemes are internationally agreed upon and implemented in the same way. The ORBIS database is based on the United Nations’ International Standard Industrial Classification (ISIC), Revision 3 and makes use of concordance relationships between ISIC Rev. 3 and national and other international classification systems. However, some minor biases may arise especially when there is no one-to-one relationship between national and international classification schemes.

23. The largest problem with the ORBIS database is the likely difference across countries in units of analysis and the notion of company/business records. This reflects the use of several national/local sources. Administrative data typically reflect the population of enterprises within a country that meet the requirements for inclusion, such as registration at a Chamber of Commerce, or activity above a certain threshold. This means that the coverage of certain sectors and especially of smaller enterprises may not be consistent across countries.

24. In order to assess potential differences across countries, industries and size-classes, an in-depth analysis of the ORBIS-database has been undertaken. Data quality and comparability, including consistency with official business statistics was needed to assess the representativeness of the administrative data collected in the ORBIS database. However, it should also be noted that official business surveys differ among countries since almost all countries have thresholds below which certain businesses are excluded and these thresholds vary across countries. Typically they are based on administrative thresholds such as VAT, or status (e.g. unincorporated versus incorporated businesses).

### **2.3. Assessment of the ORBIS database**

25. The ORBIS database has been assessed along the seven quality dimensions for the evaluation of statistics put forward by the OECD (2003):

- *Relevance:* the economic accounting data of companies across countries is of great interest for different types of OECD projects, including among others, entrepreneurship, innovation,

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<sup>3</sup> Despite some clear rules, differences in variable definitions exist at the international level. Some countries for example display official business survey data using the Census concept of value-added (Output minus intermediate consumption of goods), rather than the System of National Accounts (SNA93) definition and the price definition also varies between basic and producer prices according to countries.

globalisation, employment, etc. The ORBIS database responds to the increasing need for international business micro-data.

- *Accuracy*: administrative data often suffer from incomplete records, poor data quality and internal inconsistencies. These limits also apply to the ORBIS database although some integration and harmonisation of firm level micro-data coming from different national information sources has been undertaken. More attention should however be devoted to the international comparability of the unit of analysis and coverage of the included companies.
- *Credibility*: balance-sheet data are typically collected by Chambers of Commerce and electronically provided by national data providers. International accounting standards, wider quality checks and thorough data cleaning (see below) have contributed to the credibility of the information included in the ORBIS database.
- *Coherence*: the large amount of data included within balance sheets, profits/loss statements and ownership information reports is organised in a logical and structured way. International standards for accounting concepts and classifications schemes enhance the coherence of the data although further analysis is needed in order to assess the comparability across countries.
- *Cost-efficiency*: the collection, cleaning and structuring of information coming from multiple data sources in standardised formats have resulted in a rather high price for this commercial database. Users of the ORBIS database have not only to bear the high buying price but also additional investments if they want to pursue applied economic analysis.
- *Timeliness*: because of the time-lag in the submission of balance sheets and profit/loss statements by companies, the ORBIS-database is characterized by a typical time lag of two years. Longer time-lags significantly increase the coverage (in number of companies and complete records).
- *Accessibility*: the ORBIS database is accessible through different modes (CD-Rom, BluRay, internet). Because of its data warehouse character, statisticians and economists have to select relevant information before performing statistical/econometric analyses (see below).
- *Interpretability*: the ORBIS database and metadata are largely transparent, showing all input and output variables information, and tracking all variable operations and classification elaborations.

### 3. THE DEVELOPMENT OF THE OECD ORBIS-DATABASE OF FIRM-LEVEL MICRO-DATA

#### 3.1. *Extracting and cleaning the data*

26. Based on feasibility studies on micro-data access for the OECD, six OECD Departments<sup>4</sup> have decided to jointly acquire the ORBIS database of BvDEP (Update July 2008). As the original ORBIS software does not allow for developing and analyzing large databases, data were extracted for all companies available in the original database. There is a large diversity in the type of information available among companies (for some companies/business records only the company's name and some

<sup>4</sup>

Centre for Entrepreneurship, SMEs and Local Development (CFE), Directorate for Employment, Labour and Social Affairs (ELS), Environment Directorate (ENV), Statistics Directorate (STD), Directorate for Science, technology and Industry (STI) and Directorate for Trade and Agriculture (TAD).

characteristics such as location are available).<sup>5</sup> In addition, the OECD has extracted the group of inactive companies, *i.e.* companies that have ceased their operations through liquidation, bankruptcy, etc. For each of these companies/business records, 10 years of financial statements were extracted.

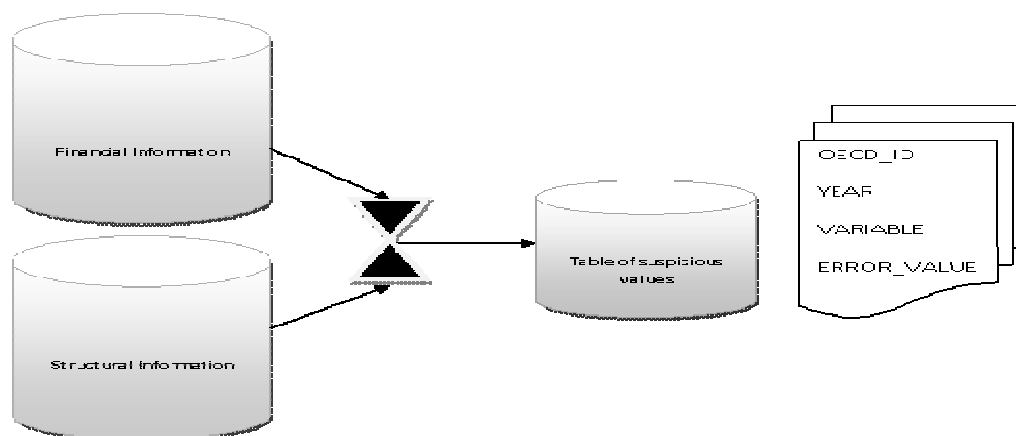
27. BvDEP has implemented already several programmes to verify the quality of the data contained in its original database on a regular basis in the original ORBIS database. These programmes include:

- An indexation search strategy to guarantee the uniqueness of the individual company/business records. This is highly important as information is collected by different sources (possibly using different identifiers (National IDs, VAT Numbers, IPs and IDs) for each individual company).
- Data analysis of the variations between updates and across years (Min, Max, Average...) for each variable in the companies' balance sheet accounts. This analysis is typically done at an aggregate level, by analysing groups of companies (top 200 companies by country, top 100 companies by industry and by country).
- Development of cross-reference tables to check the concordance between national classifications and international standards (currencies, classification activities, legal forms, etc.).
- Geographical location checks to identify errors on the location (*e.g.* firms registered in a country with a foreign address).
- Accounting variables verifications to check the definition and values of financial variables according to international standards (See Annex 2: List of financial variables available in ORBIS).
- Ownership information checks by comparing data on the structure of firm ownership across different sources.

28. Since the quality controls by BvDEP are typically executed on groups or peers of companies (top, random...), an additional cleaning was undertaken by the OECD on the individual firm-data. This additional quality process compares variables longitudinally and identifies suspicious variations (using maximum percentages of variation allowed). Values are not corrected but only identified and stored in a separate table in order to allow OECD users to decide what to do with these suspicious values (depending on the research question to be analyzed (Figure 1).

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<sup>5</sup> The most complete information is available for companies/business records with consolidation codes C1, C2, U1 and U2; see Annex 3 for an overview of the different codes and definitions.

**Figure 1: IT set-up of the OECD ORBIS-database after cleaning**

### 3.2. *The OECD ORBIS database as of March 2010*

29. Table 2 presents the number of companies available in the OECD ORBIS database after the different extraction rounds. In total, the database counts over 44 million companies/business records across a wide range of countries. The OECD area represents the majority of the included business records with over 32 million, followed by the group of accession and enhanced engagement countries with another 8 million business records.<sup>6</sup> The coverage for other countries and regions is significantly smaller.

30. The database includes financial information over a period of 10 years (1999-2008) but the coverage differs significantly across years. Table 3 shows that the coverage is the highest for the years 2003-2006. For each of the companies/business records, over 200 variables have been included although for some groups of companies there are a lot of missing variables. In addition, ownership information has been added where available in the original ORBIS database, allowing for distinguishing companies by home country, multinational group, etc.

31. The information in the OECD ORBIS database has been linked with other OECD databases like *e.g.* the PATSTAT-database, which collects patent data for individual companies. The linking has been done by the matching of names between the two respective databases. This allows for the analyses of companies' innovative and economic performance. The OECD ORBIS database has also been linked to a regional database allowing for the analysis of companies at a performance on detailed geographical level (*e.g.* regions within countries).

### 3.3. *Assessing the representativeness of the OECD ORBIS database*

32. The most effective way to assess the representativeness of the OECD ORBIS database is to compare its characteristics with those of official statistical databases. The comparison of basic statistical indicators using administrative and official statistics allows for the identification of potential structural biases. Procedures can then be developed to address the identified problems *e.g.* by re-sampling within specific strata. The OECD Structural and Demographic Business Statistics (SDBS) database is suited for this analysis since it provides official business information on a number of key variables, such as value-

<sup>6</sup> See footnotes 1 and 2 in Table 1 for the full list of OECD accessions and enhanced engagement countries.

added, operating surplus, employment, number of business units, etc. broken down by industries and size classes in various countries.

33. Using the information on industry codes and size classes, matrices can be constructed classifying the number of companies/business records for each country by industry and size class. Table 4 presents these matrices for France, Germany and the United States; Annex 4 includes similar matrices for all OECD countries. Similar matrices based on the SDBS database and the OECD ORBIS database can then be compared.

Table 2: Number of companies/business records in the OECD ORBIS database as of march 2010

| Region                                                               | Country            | Active            | % Active /<br>Total Country | Inactive         | % Inactive /<br>Total Country | Unknown        | % Unknown Status<br>Total Country | Total             |
|----------------------------------------------------------------------|--------------------|-------------------|-----------------------------|------------------|-------------------------------|----------------|-----------------------------------|-------------------|
|                                                                      | AUSTRALIA          | 3,493             | 88.59%                      | 450              | 11.41%                        |                |                                   | 3,943             |
|                                                                      | AUSTRIA            | 415,462           | 88.96%                      | 51,547           | 11.04%                        | 16             | 0.00%                             | 467,025           |
|                                                                      | BELGIUM            | 521,571           | 71.72%                      | 205,258          | 28.22%                        | 443            | 0.06%                             | 727,272           |
|                                                                      | CANADA             | 1,246,072         | 99.78%                      | 2,686            | 0.22%                         |                |                                   | 1,248,758         |
|                                                                      | CZECH REP.         | 100,217           | 95.28%                      | 4,967            | 4.72%                         | 3              | 0.00%                             | 105,187           |
|                                                                      | DENMARK            | 170,180           | 80.70%                      | 40,695           | 19.30%                        |                |                                   | 210,875           |
|                                                                      | FINLAND            | 222               | 0.20%                       | 111              | 0.10%                         | 110,452        | 99.70%                            | 110,785           |
|                                                                      | FRANCE             | 1,251,792         | 90.65%                      | 129,115          | 9.35%                         | 1              | 0.00%                             | 1,380,908         |
|                                                                      | GERMANY            | 1,383,880         | 94.15%                      | 83,845           | 5.70%                         | 2,114          | 0.14%                             | 1,469,839         |
|                                                                      | GREECE             | 37,324            | 99.57%                      | 162              | 0.43%                         |                |                                   | 37,486            |
|                                                                      | HUNGARY            | 371,873           | 99.99%                      | 36               | 0.01%                         |                |                                   | 371,909           |
|                                                                      | ICELAND            | 23,183            | 99.97%                      | 8                | 0.03%                         |                |                                   | 23,191            |
|                                                                      | IRELAND            | 182,089           | 78.68%                      | 49,341           | 21.32%                        | 1              | 0.00%                             | 231,431           |
|                                                                      | ITALY              | 647,489           | 90.26%                      | 69,906           | 9.74%                         |                |                                   | 717,395           |
|                                                                      | JAPAN              | 1,270,453         | 91.57%                      | 116,906          | 8.43%                         |                |                                   | 1,387,359         |
|                                                                      | KOREA              | 24,620            | 99.75%                      | 61               | 0.25%                         |                |                                   | 24,681            |
|                                                                      | LUXEMBOURG         | 18,697            | 90.34%                      | 2,000            | 9.66%                         |                |                                   | 20,697            |
|                                                                      | MEXICO             | 522,310           | 99.98%                      | 121              | 0.02%                         |                |                                   | 522,431           |
|                                                                      | NETHERLANDS        | 1,794,272         | 73.57%                      | 643,353          | 26.38%                        | 1,163          | 0.05%                             | 2,438,788         |
|                                                                      | NEW ZEALAND        | 495               | 87.77%                      | 69               | 12.23%                        |                |                                   | 564               |
|                                                                      | NORWAY             | 175,653           | 73.65%                      | 53,932           | 22.61%                        | 8,916          | 3.74%                             | 238,501           |
|                                                                      | POLAND             | 61,505            | 95.48%                      | 2,911            | 4.52%                         |                |                                   | 64,416            |
|                                                                      | PORTUGAL           | 282,639           | 86.68%                      | 36,212           | 11.11%                        | 7,222          | 2.21%                             | 326,073           |
|                                                                      | SLOVAKIA           | 11,967            | 96.21%                      | 471              | 3.79%                         |                |                                   | 12,438            |
|                                                                      | SPAIN              | 1,568,471         | 88.77%                      | 193,232          | 10.94%                        | 5,285          | 0.30%                             | 1,766,988         |
|                                                                      | SWEDEN             | 281,460           | 90.34%                      | 30,026           | 9.64%                         | 68             | 0.02%                             | 311,554           |
|                                                                      | SWITZERLAND        | 40,009            | 99.09%                      | 368              | 0.91%                         |                |                                   | 40,377            |
|                                                                      | TURKEY             | 284               | 66.51%                      | 143              | 33.49%                        |                |                                   | 427               |
|                                                                      | UNITED KINGDOM     | 2,774,130         | 67.90%                      | 1,311,281        | 32.10%                        | 1              | 0.00%                             | 4,085,412         |
|                                                                      | UNITED STATES      | 14,449,092        | 99.76%                      | 35,272           | 0.24%                         | 1              | 0.00%                             | 14,484,365        |
| <b>TOTAL OECD COUNTRIES</b>                                          |                    | <b>29,630,904</b> | <b>90.25%</b>               | <b>3,064,485</b> | <b>9.33%</b>                  | <b>135,686</b> | <b>0.41%</b>                      | <b>32,831,075</b> |
|                                                                      | BRAZIL             | 3,953,742         | 99.99%                      | 233              | 0.01%                         |                |                                   | 3,953,975         |
|                                                                      | CHILE              | 57,265            | 99.80%                      | 112              | 0.20%                         |                |                                   | 57,377            |
|                                                                      | CHINA              | 307,319           | 99.99%                      | 35               | 0.01%                         |                |                                   | 307,354           |
|                                                                      | ESTONIA            | 6,761             | 8.66%                       | 8,895            | 11.40%                        | 62,394         | 79.94%                            | 78,050            |
|                                                                      | INDIA              | 7,456             | 79.39%                      | 1,481            | 15.77%                        | 455            | 4.84%                             | 9,392             |
|                                                                      | INDONESIA          | 34,345            | 84.23%                      | 90               | 0.22%                         | 6,338          | 15.54%                            | 40,773            |
|                                                                      | ISRAEL             | 340               | 78.89%                      | 91               | 21.11%                        |                |                                   | 431               |
|                                                                      | RUSSIAN FEDERATION | 3,542,467         | 99.65%                      | 12,370           | 0.35%                         |                |                                   | 3,554,837         |
|                                                                      | SLOVENIA           | 38,011            | 99.95%                      | 20               | 0.05%                         |                |                                   | 38,031            |
|                                                                      | SOUTH AFRICA       | 212,574           | 99.25%                      | 1,593            | 0.74%                         | 9              | 0.00%                             | 214,176           |
| <b>TOTAL ACCESSION AND ENHANCED ENGAGEMENT COUNTRIES<sup>1</sup></b> |                    | <b>8,160,280</b>  | <b>98.86%</b>               | <b>24,920</b>    | <b>0.30%</b>                  | <b>69,196</b>  | <b>0.84%</b>                      | <b>8,254,396</b>  |
| <b>REST OF EASTERN EUROPE</b>                                        |                    | <b>1,383,453</b>  | <b>98.51%</b>               | <b>20,893</b>    | <b>1.49%</b>                  | <b>20</b>      | <b>0.00%</b>                      | <b>1,404,366</b>  |
| <b>SOUTH AND CENTRAL AMERICA</b>                                     |                    | <b>2,033,133</b>  | <b>99.94%</b>               | <b>1,141</b>     | <b>0.06%</b>                  | <b>1</b>       | <b>0.00%</b>                      | <b>2,034,275</b>  |
| <b>AFRICA</b>                                                        |                    | <b>18,468</b>     | <b>98.61%</b>               | <b>260</b>       | <b>1.39%</b>                  | <b>1</b>       | <b>0.01%</b>                      | <b>18,729</b>     |
| <b>FAR EAST AND CENTRAL ASIA</b>                                     |                    | <b>120,125</b>    | <b>98.47%</b>               | <b>1,064</b>     | <b>0.87%</b>                  | <b>797</b>     | <b>0.65%</b>                      | <b>121,986</b>    |
| <b>MIDDLE EAST</b>                                                   |                    | <b>1,121</b>      | <b>3.24%</b>                | <b>86</b>        | <b>0.25%</b>                  | <b>33,346</b>  | <b>96.51%</b>                     | <b>34,553</b>     |
| <b>REST OF THE WORLD</b>                                             |                    | <b>5,565</b>      | <b>96.68%</b>               | <b>191</b>       | <b>3.32%</b>                  |                |                                   | <b>5,756</b>      |
| <b>TOTAL OECD ORBIS</b>                                              |                    | <b>41,353,049</b> | <b>92.50%</b>               | <b>3,113,040</b> | <b>6.96%</b>                  | <b>239,047</b> | <b>0.53%</b>                      | <b>44,705,136</b> |

1. See footnotes 1 and 2 in Table 1 for the full list of OECD accession and enhanced engagement countries.

Table 3: Number of companies with financial accounts available in the OECD ORBIS database

| Country                                                              | Year             |                  |                  |                  |                  |                  |                   |                   |                   |
|----------------------------------------------------------------------|------------------|------------------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|
|                                                                      | 1999             | 2000             | 2001             | 2002             | 2003             | 2004             | 2005              | 2006              | 2007              |
| AUSTRALIA                                                            | 173              | 177              | 287              | 952              | 2,545            | 2,751            | 2,895             | 2,913             | 2,246             |
| AUSTRIA                                                              | 12,674           | 15,190           | 24,389           | 30,059           | 52,938           | 94,790           | 117,370           | 125,336           | 74,836            |
| BELGIUM                                                              | 43,846           | 46,007           | 50,099           | 209,137          | 293,561          | 303,782          | 311,997           | 326,177           | 113,321           |
| CANADA                                                               | 1,344            | 2,137            | 4,630            | 12,402           | 78,020           | 154,149          | 815,737           | 1,041,757         | 396,043           |
| CZECH REPUBLIC                                                       | 1,726            | 3,040            | 6,910            | 35,237           | 59,507           | 74,728           | 71,116            | 54,022            | 2,703             |
| DENMARK                                                              | 7,345            | 54               | 18,777           | 62,483           | 123,141          | 133,552          | 145,566           | 161,907           | 96,152            |
| FINLAND                                                              | 8,157            |                  | 19,832           | 55,268           | 81,960           | 81,785           | 79,454            | 76,766            | 25,351            |
| FRANCE                                                               | 127,487          | 175,901          | 256,390          | 637,774          | 798,435          | 835,071          | 862,886           | 864,254           | 245,108           |
| GERMANY                                                              | 80,731           | 99,808           | 169,123          | 221,559          | 428,508          | 590,758          | 732,169           | 790,692           | 544,661           |
| GREECE                                                               | 1,534            | 3,319            | 5,814            | 24,263           | 28,704           | 29,095           | 29,063            | 27,607            | 3,188             |
| HUNGARY                                                              | 106,713          | 99,601           | 11,053           | 72,286           | 26,917           | 267,483          | 289,274           | 69,893            | 3,786             |
| ICELAND                                                              | 793              | 1,037            | 3,629            | 12,408           | 14,989           | 16,053           | 17,461            | 17,477            | 486               |
| IRELAND                                                              | 14,268           | 22,920           | 42,126           | 95,893           | 110,012          | 115,330          | 118,766           | 112,554           | 20,814            |
| ITALY                                                                | 25,344           | 35,838           | 54,086           | 214,319          | 239,995          | 524,585          | 548,016           | 557,485           | 118,432           |
| JAPAN                                                                | 74,600           | 92,927           | 113,577          | 153,462          | 194,020          | 204,489          | 190,522           | 151,314           | 58,674            |
| KOREA                                                                | 724              | 2,354            | 4,561            | 8,804            | 20,267           | 20,509           | 19,551            | 18,405            | 13,707            |
| LUXEMBOURG                                                           | 488              | 916              | 2,000            | 3,682            | 5,156            | 5,212            | 5,931             | 5,348             | 1,665             |
| MEXICO                                                               | 85               | 129              | 629              | 717              | 16,374           | 6,009            | 272,515           | 227,466           | 16,614            |
| NETHERLANDS                                                          | 77,069           | 94,786           | 105,656          | 249,001          | 284,274          | 303,637          | 313,177           | 407,107           | 66,652            |
| NEW ZEALAND                                                          | 24               | 26               | 35               | 87               | 221              | 271              | 288               | 228               | 246               |
| NORWAY                                                               | 14,604           | 5                | 29,419           | 125,879          | 139,473          | 144,054          | 157,666           | 181,592           | 22,777            |
| POLAND                                                               | 2,136            | 4,344            | 7,915            | 26,671           | 28,728           | 32,461           | 37,021            | 50,638            | 125               |
| PORTUGAL                                                             | 21,370           | 23,759           | 23,737           | 52,216           | 73,137           | 78,245           | 281,516           | 291,283           | 992               |
| SLOVAKIA                                                             | 299              | 607              | 1,452            | 4,136            | 5,958            | 7,324            | 8,802             | 7,122             | 247               |
| SPAIN                                                                | 110,144          | 139,829          | 241,027          | 663,840          | 712,282          | 718,327          | 736,215           | 623,837           | 1,092             |
| SWEDEN                                                               | 8,294            | 18,549           | 30,541           | 115,087          | 230,121          | 242,033          | 248,445           | 256,696           | 154,062           |
| SWITZERLAND                                                          | 558              | 1,709            | 2,739            | 27,089           | 4,942            | 34,308           | 33,245            | 34,688            | 32,884            |
| TURKEY                                                               | 37               |                  | 24               | 59               | 179              | 209              | 232               | 249               | 175               |
| UNITED KINGDOM                                                       | 301,337          | 354,443          | 397,680          | 898,198          | 1,377,846        | 1,554,667        | 1,658,375         | 1,732,077         | 791,860           |
| UNITED STATES                                                        | 4,879            | 7,553            | 12,058           | 22,541           | 257,084          | 524,448          | 1,015,643         | 5,583,605         | 8,177,558         |
| <b>TOTAL OECD COUNTRIES</b>                                          | <b>1,048,783</b> | <b>1,246,965</b> | <b>1,640,195</b> | <b>4,035,509</b> | <b>5,689,294</b> | <b>7,100,115</b> | <b>9,120,914</b>  | <b>13,800,495</b> | <b>10,986,457</b> |
| BRAZIL                                                               | 151              | 179              | 181              | 330              | 69,521           | 656,030          | 1,058,623         | 1,384,094         | 6,454             |
| CHILE                                                                | 386              | 326              | 226              | 263              | 1,381            | 2,158            | 1,996             | 42,962            | 1,646             |
| CHINA                                                                | 27               | 52               | 63               | 589              | 157,110          | 225,812          | 234,008           | 196,200           | 1,742             |
| ESTONIA                                                              | 3,011            | 5,512            | 11,423           | 41,511           | 45,354           | 50,115           | 52,940            | 60,007            | 298               |
| INDIA                                                                | 3,528            | 4,498            | 5,103            | 5,303            | 4,178            | 3,933            | 3,701             | 2,084             | 104               |
| INDONESIA                                                            | 45               | 31               | 40               | 110              | 470              | 470              | 507               | 488               | 336               |
| ISRAEL                                                               | 46               | 48               | 58               | 88               | 207              | 219              | 256               | 279               | 226               |
| RUSSIAN FEDERATION                                                   | 37,074           | 91,938           | 176,098          | 412,697          | 493,324          | 606,603          | 651,877           | 675,885           | 1,034             |
| SLOVENIA                                                             | 22,350           | 20,770           | 28,173           | 33,690           | 10,566           | 9,509            | 8,588             | 5,347             | 162               |
| SOUTH AFRICA                                                         | 481              | 557              | 960              | 1,903            | 3,533            | 1,633            | 1,566             | 994               | 282               |
| <b>TOTAL ACCESSION AND ENHANCED ENGAGEMENT COUNTRIES<sup>1</sup></b> | <b>67,099</b>    | <b>123,911</b>   | <b>222,325</b>   | <b>496,484</b>   | <b>785,644</b>   | <b>1,556,482</b> | <b>2,014,062</b>  | <b>2,368,340</b>  | <b>12,284</b>     |
| <b>REST OF EASTERN EUROPE</b>                                        | <b>128,442</b>   | <b>189,949</b>   | <b>304,715</b>   | <b>813,724</b>   | <b>945,316</b>   | <b>984,325</b>   | <b>1,060,237</b>  | <b>968,705</b>    | <b>7,026</b>      |
| <b>SOUTH AND CENTRAL AMERICA</b>                                     | <b>640</b>       | <b>1,253</b>     | <b>1,544</b>     | <b>23,781</b>    | <b>44,191</b>    | <b>265,651</b>   | <b>344,176</b>    | <b>627,665</b>    | <b>12,373</b>     |
| <b>AFRICA</b>                                                        | <b>162</b>       | <b>212</b>       | <b>315</b>       | <b>810</b>       | <b>2,003</b>     | <b>3,816</b>     | <b>6,332</b>      | <b>8,389</b>      | <b>3,749</b>      |
| <b>FAR EAST AND CENTRAL ASIA</b>                                     | <b>918</b>       | <b>1,789</b>     | <b>3,575</b>     | <b>35,211</b>    | <b>44,831</b>    | <b>49,889</b>    | <b>66,926</b>     | <b>34,777</b>     | <b>7,060</b>      |
| <b>MIDDLE EAST</b>                                                   | <b>667</b>       | <b>912</b>       | <b>1,462</b>     | <b>2,038</b>     | <b>7,356</b>     | <b>3,973</b>     | <b>3,187</b>      | <b>3,002</b>      | <b>2,020</b>      |
| <b>REST OF THE WORLD</b>                                             | <b>404</b>       | <b>690</b>       | <b>1,263</b>     | <b>2,440</b>     | <b>2,967</b>     | <b>2,929</b>     | <b>2,652</b>      | <b>1,679</b>      | <b>549</b>        |
| <b>TOTAL OECD ORBIS</b>                                              | <b>1,247,115</b> | <b>1,565,681</b> | <b>2,175,394</b> | <b>5,409,997</b> | <b>7,521,602</b> | <b>9,967,180</b> | <b>12,618,486</b> | <b>17,813,052</b> | <b>11,031,518</b> |

1. See footnotes 1 and 2 in Table 1 for the full list of OECD accession and enhanced engagement countries.

**Table 4: Number of companies/business records by industry and size class in the OECD ORBIS database (reference year: 2006)**

| Country: France                                                          |            |                |                 |                 |                  |                |                |                  |
|--------------------------------------------------------------------------|------------|----------------|-----------------|-----------------|------------------|----------------|----------------|------------------|
| Main Industry / Services                                                 | 0 Employee | 1-9 Employees  | 10-19 Employees | 20-49 Employees | 50-249 Employees | 250+ Employees | Unknown        | Total            |
| A - Agriculture, Forestry, And Fishing                                   |            | 6,887          | 915             | 498             | 142              | 14             | 16,074         | 24,530           |
| B - Mining                                                               |            | 645            | 231             | 223             | 77               | 21             | 1,004          | 2,201            |
| C - Construction                                                         |            | 64,405         | 10,921          | 6,366           | 1,784            | 294            | 79,281         | 163,051          |
| D - Manufacturing                                                        |            | 45,085         | 11,755          | 9,756           | 5,575            | 1,659          | 72,769         | 146,599          |
| E - Transportation, Communications, Electric, Gas, And Sanitary Services |            | 16,295         | 3,991           | 3,805           | 1,828            | 462            | 30,764         | 57,145           |
| F - Wholesale Trade                                                      |            | 46,784         | 8,365           | 6,263           | 2,583            | 391            | 80,881         | 145,267          |
| G - Retail Trade                                                         |            | 102,786        | 9,676           | 5,917           | 1,611            | 353            | 145,681        | 266,024          |
| H - Finance, Insurance, And Real Estate                                  | 1          | 38,327         | 2,905           | 1,689           | 846              | 502            | 167,127        | 211,397          |
| I - Services                                                             |            | 115,013        | 14,371          | 9,442           | 4,393            | 959            | 217,516        | 361,694          |
| J - Public Administration                                                |            | 3              |                 |                 | 1                | 1              | 42             | 47               |
| N/A                                                                      |            | 174            | 8               | 7               | 2                | 2              | 2,760          | 2,953            |
| <b>Total</b>                                                             | <b>1</b>   | <b>436,404</b> | <b>63,138</b>   | <b>43,966</b>   | <b>18,842</b>    | <b>4,658</b>   | <b>813,899</b> | <b>1,380,908</b> |

| Country: United States                                                   |            |                  |                 |                 |                  |                |                  |                   |
|--------------------------------------------------------------------------|------------|------------------|-----------------|-----------------|------------------|----------------|------------------|-------------------|
| Main Industry / Services                                                 | 0 Employee | 1-9 Employees    | 10-19 Employees | 20-49 Employees | 50-249 Employees | 250+ Employees | Unknown          | Total             |
| A - Agriculture, Forestry, And Fishing                                   |            | 162,928          | 13,602          | 7,452           | 2,356            | 333            | 456,468          | 643,139           |
| B - Mining                                                               |            | 10,400           | 2,217           | 1,870           | 1,273            | 500            | 21,877           | 38,137            |
| C - Construction                                                         |            | 456,489          | 48,744          | 29,941          | 12,336           | 1,510          | 798,745          | 1,347,765         |
| D - Manufacturing                                                        |            | 204,770          | 39,649          | 38,083          | 34,608           | 12,766         | 388,184          | 718,060           |
| E - Transportation, Communications, Electric, Gas, And Sanitary Services |            | 183,609          | 23,513          | 19,819          | 13,060           | 3,220          | 387,912          | 631,133           |
| F - Wholesale Trade                                                      |            | 252,063          | 40,034          | 27,251          | 14,052           | 2,642          | 423,702          | 759,744           |
| G - Retail Trade                                                         |            | 702,184          | 99,793          | 73,802          | 36,785           | 4,915          | 1,683,439        | 2,600,918         |
| H - Finance, Insurance, And Real Estate                                  | 26         | 426,627          | 43,067          | 28,381          | 16,575           | 4,458          | 849,818          | 1,368,952         |
| I - Services                                                             |            | 2,021,790        | 194,712         | 133,821         | 79,993           | 16,619         | 3,927,897        | 6,374,832         |
| J - Public Administration                                                |            |                  | 1               |                 | 2                |                | 5                | 8                 |
| N/A                                                                      |            |                  |                 |                 |                  |                | 1                | 1                 |
| Unclassified                                                             |            | 28               | 15              | 21              | 5                |                | 1,607            | 1,676             |
| <b>Total</b>                                                             | <b>26</b>  | <b>4,420,888</b> | <b>505,347</b>  | <b>360,441</b>  | <b>211,045</b>   | <b>46,963</b>  | <b>8,939,655</b> | <b>14,484,365</b> |

| Country: Germany                                                         |            |                |                 |                 |                  |                |                |                  |
|--------------------------------------------------------------------------|------------|----------------|-----------------|-----------------|------------------|----------------|----------------|------------------|
| Main Industry / Services                                                 | 0 Employee | 1-9 Employees  | 10-19 Employees | 20-49 Employees | 50-249 Employees | 250+ Employees | Unknown        | Total            |
| A - Agriculture, Forestry, And Fishing                                   |            | 3,416          | 1,083           | 759             | 219              | 14             | 9,538          | 15,029           |
| B - Mining                                                               |            | 569            | 229             | 195             | 139              | 26             | 1,664          | 2,822            |
| C - Construction                                                         |            | 34,155         | 10,934          | 5,967           | 2,135            | 182            | 76,056         | 129,429          |
| D - Manufacturing                                                        |            | 29,359         | 11,188          | 10,462          | 10,274           | 2,775          | 126,396        | 190,454          |
| E - Transportation, Communications, Electric, Gas, And Sanitary Services |            | 18,079         | 4,436           | 3,617           | 2,398            | 616            | 52,887         | 82,033           |
| F - Wholesale Trade                                                      |            | 46,212         | 9,347           | 6,816           | 4,337            | 722            | 106,269        | 173,703          |
| G - Retail Trade                                                         |            | 47,507         | 7,653           | 4,396           | 2,249            | 489            | 101,938        | 164,232          |
| H - Finance, Insurance, And Real Estate                                  |            | 79,559         | 2,373           | 1,828           | 1,926            | 1,254          | 230,130        | 317,070          |
| I - Services                                                             |            | 87,344         | 12,421          | 9,296           | 7,052            | 2,232          | 256,286        | 374,631          |
| J - Public Administration                                                |            | 438            | 63              | 67              | 62               | 14             | 1,388          | 2,032            |
| N/A                                                                      |            | 588            | 7               | 7               | 7                | 2              | 17,792         | 18,403           |
| Unclassified                                                             |            |                |                 |                 | 1                |                |                | 1                |
| <b>Total</b>                                                             |            | <b>347,226</b> | <b>59,734</b>   | <b>43,410</b>   | <b>30,799</b>    | <b>8,326</b>   | <b>980,344</b> | <b>1,469,839</b> |

34. A first comparison between the OECD ORBIS and SDBS databases in terms of number of companies/business records for the economy as a whole shows some important differences between the two sources (Table 5). Comparisons for France and Germany indicate that the OECD ORBIS database includes only a fraction of the official SDBS records. The number of companies/business records in the OECD ORBIS database for France is respectively only 22% and 24% of the total number of companies in the SDBS database. It is clear that especially smaller firms are under-represented in the OECD ORBIS database as the availability of financial accounts directly depends on the legal status and the size of companies. But the comparison suggests opposite results for the United States, where the OECD ORBIS database shows a larger number of companies/business records than the official figures in the SDBS database for some industries and size classes. This might be related to differences in the unit of analysis (enterprise – establishment – plant) between both databases. The reasons for these differences should be analyzed in more detail in the future.

35. A comparison of the employment figures, at the aggregate level, between the two databases shows higher employment in companies included in the OECD ORBIS database for all three countries

compared to the official estimates reported in the SDBS database in 2006. This may reflect the changing presence of companies with consolidated accounts (aggregating employment of all affiliates and subsidiaries, within and outside France/Germany/United States) in the OECD ORBIS database. But again, significant differences are identified across industries and size classes, with especially an over-representation of the OECD ORBIS database for the largest companies/business records. Overall, it is clear that the representativeness of the OECD ORBIS database has to be assessed at a more detailed level, by using *e.g.* detailed information by size classes and industries in both databases.

#### 4. CONCLUSION

36. Administrative data have become increasingly important in recent years as evidence- based policies require more and more high quality and comprehensive micro-data. Micro-data are needed to analyse the large heterogeneity in firms and their strategies in response to economic developments such as the recent economic crisis as well as the effects of government policies.

37. An internal OECD database of firm-level micro-data has been developed based on the commercial database ORBIS. This database contains financial and ownership information on companies globally and is widely used by researchers and analysts because it provides information on a broad range of variables in a standardized format for a large number of companies.

38. The OECD ORBIS database currently includes more than 200 variables for more than 44 million companies around the world for the period 1999-2008. Data have been cleaned by identifying suspicious values in addition to the standard cleaning undertaken already by BvDEP. Preliminary analysis has shown that the OECD ORBIS database suffers from some structural biases, hence calling for a more detailed assessment of the representativeness of the database. Such an in-depth assessment is crucial to develop reliable and coherent micro-level analysis for future OECD policy research.

Table 5: Comparison between OECD ORBIS and SDBS databases – Number of Enterprises

| Country                                                                                            | France                      |                |             |                 |               |             |                 |               |             |                  |               |             |                |              |             |                  |                |
|----------------------------------------------------------------------------------------------------|-----------------------------|----------------|-------------|-----------------|---------------|-------------|-----------------|---------------|-------------|------------------|---------------|-------------|----------------|--------------|-------------|------------------|----------------|
| Variable                                                                                           | ENTR: Number of enterprises |                |             |                 |               |             |                 |               |             |                  |               |             |                |              |             |                  |                |
| Year                                                                                               | 2006                        |                |             |                 |               |             |                 |               |             |                  |               |             |                |              |             |                  |                |
| Main Industry and Services (ISIC3)                                                                 | 1-9 Employees               |                |             | 10-19 Employees |               |             | 20-49 Employees |               |             | 50-249 Employees |               |             | 250+ Employees |              |             | Total            |                |
|                                                                                                    | SDBS                        | ORBIS          | Orbis/ SDBS | SDBS            | ORBIS         | Orbis/ SDBS | SDBS            | ORBIS         | Orbis/ SDBS | SDBS             | ORBIS         | Orbis/ SDBS | SDBS           | ORBIS        | Orbis/ SDBS | SDBS             | ORBIS          |
| 01_02: Agriculture, hunting and forestry                                                           | ..                          | 6,638          | NA          | ..              | 882           | NA          | ..              | 485           | NA          | ..               | 130           | NA          | ..             | 14           | NA          | ..               | 8,149          |
| 05: Fishing                                                                                        | ..                          | 249            | NA          | ..              | 33            | NA          | ..              | 13            | NA          | ..               | 12            | NA          | ..             | ..           | NA          | ..               | 307            |
| 10_14: Mining and quarrying                                                                        | 2,107                       | 645            | 0.31        | 313             | 231           | 0.74        | 265             | 223           | 0.84        | 76               | 77            | 1.01        | 15             | 21           | 1.40        | 2,776            | 1,197          |
| 15_37: Manufacturing                                                                               | 211,911                     | 45,085         | 0.21        | 19,005          | 11,755        | 0.62        | 13,726          | 9,756         | 0.71        | 7,565            | 5,575         | 0.74        | 2,002          | 1,659        | 0.83        | 254,209          | 73,830         |
| 40_41: Electricity, gas and water supply                                                           | 2,644                       | 1,668          | 0.63        | 51              | 381           | 7.47        | 77              | 375           | 4.87        | 61               | 242           | 3.97        | 40             | 94           | 2.35        | 2,873            | 2,760          |
| 45: Construction                                                                                   | 381,900                     | 64,405         | 0.17        | 17,851          | 10,921        | 0.61        | 8,630           | 6,366         | 0.74        | 2,087            | 1,784         | 0.85        | 314            | 294          | 0.94        | 410,782          | 83,770         |
| 50: Sale, maint. and repair of motor vehicles/cycles, retail sale of fuel                          | 75,405                      | 12,006         | 0.16        | 4,440           | 1,186         | 0.27        | 2,216           | 323           | 0.15        | 935              | 63            | 0.07        | 72             | 12           | 0.17        | 83,068           | 13,590         |
| 51: Wholesale trade and commission trade, except of motor vehicles and motorcycles                 | 163,980                     | 49,352         | 0.30        | 9,373           | 8,988         | 0.96        | 6,267           | 6,598         | 1.05        | 2,358            | 2,627         | 1.11        | 419            | 400          | 0.95        | 182,397          | 67,965         |
| 52: Retail trade, except of motor vehicles and motorcycles, repair of personal and household goods | 422,520                     | 100,218        | 0.24        | 10,320          | 9,053         | 0.88        | 5,357           | 5,582         | 1.04        | 1,753            | 1,567         | 0.89        | 404            | 344          | 0.85        | 440,354          | 116,764        |
| 60_64: Transport, storage and communications                                                       | 86,349                      | 14,627         | 0.17        | 5,427           | 3,610         | 0.67        | 4,353           | 3,430         | 0.79        | 1,949            | 1,586         | 0.81        | 417            | 368          | 0.88        | 98,495           | 23,621         |
| 65_67: Financial intermediation                                                                    | ..                          | 6,023          | NA          | ..              | 521           | NA          | ..              | 307           | NA          | ..               | 227           | NA          | ..             | 224          | NA          | 784              | 7,302          |
| 70_74: Real estate, renting and business activities                                                | 593,185                     | 44,105         | 0.07        | 19,231          | 5,225         | 0.27        | 11,572          | 4,043         | 0.35        | 5,539            | 2,352         | 0.42        | 1,114          | 603          | 0.54        | 630,641          | 56,328         |
| <b>Total across industry</b>                                                                       | <b>1,940,001</b>            | <b>345,021</b> | <b>0.18</b> | <b>86,011</b>   | <b>52,786</b> | <b>0.61</b> | <b>52,463</b>   | <b>37,501</b> | <b>0.71</b> | <b>22,323</b>    | <b>16,242</b> | <b>0.73</b> | <b>4,797</b>   | <b>4,033</b> | <b>0.84</b> | <b>2,106,379</b> | <b>455,583</b> |

SDBS = Structural Business Demographic Statistics

| Country                                                                                            | United States               |                  |             |                 |                |             |                 |                |             |                  |                |             |                |               |             |                  |                  |
|----------------------------------------------------------------------------------------------------|-----------------------------|------------------|-------------|-----------------|----------------|-------------|-----------------|----------------|-------------|------------------|----------------|-------------|----------------|---------------|-------------|------------------|------------------|
| Variable                                                                                           | ENTR: Number of enterprises |                  |             |                 |                |             |                 |                |             |                  |                |             |                |               |             |                  |                  |
| Year                                                                                               | 2006                        |                  |             |                 |                |             |                 |                |             |                  |                |             |                |               |             |                  |                  |
| Main Industry and Services (ISIC3)                                                                 | 1-9 Employees               |                  |             | 10-19 Employees |                |             | 20-49 Employees |                |             | 50-249 Employees |                |             | 250+ Employees |               |             | Total            |                  |
|                                                                                                    | SDBS                        | ORBIS            | Orbis/ SDBS | SDBS            | ORBIS          | Orbis/ SDBS | SDBS            | ORBIS          | Orbis/ SDBS | SDBS             | ORBIS          | Orbis/ SDBS | SDBS           | ORBIS         | Orbis/ SDBS | SDBS             | ORBIS            |
| 01_02: Agriculture, hunting and forestry                                                           | 17,511                      | 162,052          | 9.25        | 1,923           | 13,510         | 7.03        | 1,160           | 7,394          | 6.37        | 214              | 2,338          | 10.93       | 106            | 326           | 3.08        | 20,914           | 185,620          |
| 05: Fishing                                                                                        | ..                          | 876              | NA          | ..              | 92             | NA          | ..              | 58             | NA          | ..               | 18             | NA          | ..             | 7             | NA          | ..               | 1,051            |
| 10_14: Mining and quarrying                                                                        | 14,427                      | 10,400           | 0.72        | 2,296           | 2,217          | 0.97        | 2,380           | 1,870          | 0.79        | 618              | 1,273          | 2.06        | 564            | 500           | 0.89        | 20,285           | 16,260           |
| 15_37: Manufacturing                                                                               | ..                          | 204,770          | NA          | ..              | 39,649         | NA          | 70,928          | 38,083         | 0.54        | 19,109           | 34,608         | 1.81        | 12,806         | 12,766        | 1.00        | 442,550          | 329,876          |
| 40_41: Electricity, gas and water supply                                                           | 4,289                       | 15,880           | 3.70        | 486             | 3,474          | 7.15        | 856             | 3,007          | 3.51        | 311              | 2,182          | 7.02        | 404            | 681           | 1.69        | 6,346            | 25,224           |
| 45: Construction                                                                                   | 560,544                     | 456,489          | 0.81        | 65,156          | 48,744         | 0.75        | 50,154          | 29,941         | 0.60        | 6,749            | 12,336         | 1.83        | 1,431          | 1,510         | 1.06        | 684,034          | 549,020          |
| 50: Sale, maint. and repair of motor vehicles/cycles, retail sale of fuel                          | 264,790                     | 237,375          | 0.90        | 36,666          | 16,176         | 0.44        | 29,961          | 7,191          | 0.24        | 5,773            | 2,183          | 0.38        | 1,308          | 348           | 0.27        | 338,498          | 263,273          |
| 51: Wholesale trade and commission trade, except of motor vehicles and motorcycles                 | 233,884                     | 297,456          | 1.27        | 37,597          | 46,526         | 1.24        | 36,048          | 30,659         | 0.85        | 8,694            | 16,416         | 1.89        | 4,943          | 2,875         | 0.58        | 321,166          | 393,932          |
| 52: Retail trade, except of motor vehicles and motorcycles, repair of personal and household goods | 486,374                     | 652,392          | 1.34        | 64,066          | 92,400         | 1.44        | 39,925          | 70,005         | 1.75        | 6,238            | 34,314         | 5.50        | 3,157          | 4,653         | 1.47        | 599,760          | 853,764          |
| 60_64: Transport, storage and communications                                                       | 152,463                     | 167,729          | 1.10        | 18,078          | 20,039         | 1.11        | 17,470          | 16,812         | 0.96        | 4,735            | 10,878         | 2.30        | 3,783          | 2,539         | 0.67        | 196,529          | 217,997          |
| 65_67: Financial intermediation                                                                    | 236,985                     | 194,947          | 0.82        | 18,785          | 25,028         | 1.33        | 18,308          | 17,039         | 0.93        | 6,601            | 10,534         | 1.60        | 5,342          | 3,444         | 0.63        | 286,021          | 250,892          |
| 70_74: Real estate, renting and business activities                                                | 1,094,045                   | 576,797          | 0.53        | 92,824          | 46,751         | 0.50        | 79,480          | 30,711         | 0.39        | 26,816           | 17,859         | 0.67        | 17,688         | 4,003         | 0.23        | 1,310,853        | 676,121          |
| <b>Total across industry</b>                                                                       | <b>3,065,312</b>            | <b>2,977,163</b> | <b>0.97</b> | <b>337,877</b>  | <b>354,606</b> | <b>1.05</b> | <b>346,670</b>  | <b>252,770</b> | <b>0.73</b> | <b>85,858</b>    | <b>144,939</b> | <b>1.69</b> | <b>51,532</b>  | <b>33,552</b> | <b>0.65</b> | <b>4,226,956</b> | <b>3,763,030</b> |

SDBS = Structural Business Demographic Statistics

| Country                                                                                            | Germany                     |                |             |                 |               |             |                 |               |             |                  |               |             |                |              |             |                  |                |
|----------------------------------------------------------------------------------------------------|-----------------------------|----------------|-------------|-----------------|---------------|-------------|-----------------|---------------|-------------|------------------|---------------|-------------|----------------|--------------|-------------|------------------|----------------|
| Variable                                                                                           | ENTR: Number of enterprises |                |             |                 |               |             |                 |               |             |                  |               |             |                |              |             |                  |                |
| Year                                                                                               | 2006                        |                |             |                 |               |             |                 |               |             |                  |               |             |                |              |             |                  |                |
| Main Industry and Services (ISIC3)                                                                 | 1-9 Employees               |                |             | 10-19 Employees |               |             | 20-49 Employees |               |             | 50-249 Employees |               |             | 250+ Employees |              |             | Total            |                |
|                                                                                                    | SDBS                        | ORBIS          | Orbis/ SDBS | SDBS            | ORBIS         | Orbis/ SDBS | SDBS            | ORBIS         | Orbis/ SDBS | SDBS             | ORBIS         | Orbis/ SDBS | SDBS           | ORBIS        | Orbis/ SDBS | SDBS             | ORBIS          |
| 01_02: Agriculture, hunting and forestry                                                           | ..                          | 3,345          | NA          | ..              | 1,072         | NA          | ..              | 749           | NA          | ..               | 215           | NA          | ..             | 14           | NA          | ..               | 5,395          |
| 05: Fishing                                                                                        | ..                          | 47             | NA          | ..              | 5             | NA          | ..              | 6             | NA          | ..               | 2             | NA          | ..             | ..           | NA          | ..               | 60             |
| 10_14: Mining and quarrying                                                                        | 1,014                       | 562            | 0.55        | 526             | 227           | 0.43        | 261             | 194           | 0.74        | 125              | 134           | 1.07        | 22             | 26           | 1.18        | 1,948            | 1,143          |
| 15_37: Manufacturing                                                                               | 118,493                     | 29,205         | 0.25        | 41,599          | 11,108        | 0.27        | 16,000          | 10,424        | 0.65        | 16,575           | 10,226        | 0.62        | 4,086          | 2,767        | 0.68        | 196,753          | 63,730         |
| 40_41: Electricity, gas and water supply                                                           | 1,677                       | 3,280          | 1.96        | 432             | 575           | 1.33        | 474             | 617           | 1.30        | 531              | 549           | 1.03        | 191            | 201          | 1.05        | 3,305            | 5,222          |
| 45: Construction                                                                                   | 167,654                     | 34,113         | 0.20        | 22,631          | 10,933        | 0.48        | 9,213           | 5,961         | 0.65        | 2,857            | 2,135         | 0.75        | 180            | 182          | 1.01        | 202,535          | 53,324         |
| 50: Sale, maint. and repair of motor vehicles/cycles, retail sale of fuel                          | 67,349                      | 3,874          | 0.06        | 10,734          | 940           | 0.09        | 4,847           | 522           | 0.11        | 1,518            | 194           | 0.13        | 163            | 21           | 0.13        | 84,611           | 5,551          |
| 51: Wholesale trade and commission trade, except of motor vehicles and motorcycles                 | 73,925                      | 48,675         | 0.66        | 10,784          | 9,783         | 0.91        | 7,495           | 7,145         | 0.95        | 3,362            | 4,495         | 1.34        | 509            | 747          | 1.47        | 96,074           | 70,845         |
| 52: Retail trade, except of motor vehicles and motorcycles, repair of personal and household goods | 257,166                     | 44,776         | 0.17        | 24,117          | 7,193         | 0.30        | 8,949           | 4,059         | 0.45        | 2,503            | 2,087         | 0.83        | 648            | 461          | 0.71        | 293,378          | 58,576         |
| 60_64: Transport, storage and communications                                                       | 72,702                      | 14,761         | 0.20        | 10,719          | 3,853         | 0.36        | 7,569           | 2,996         | 0.40        | 3,447            | 1,846         | 0.54        | 690            | 415          | 0.60        | 95,127           | 23,871         |
| 65_67: Financial intermediation                                                                    | ..                          | 8,377          | NA          | ..              | 583           | NA          | ..              | 535           | NA          | ..               | 1,011         | NA          | ..             | 685          | NA          | ..               | 11,191         |
| 70_74: Real estate, renting and business activities                                                | 564,066                     | 67,191         | 0.12        | 29,906          | 5,373         | 0.18        | 15,754          | 3,908         | 0.25        | 8,533            | 3,133         | 0.37        | 1,927          | 1,125        | 0.58        | 620,186          | 80,730         |
| <b>Total across industry</b>                                                                       | <b>1,324,046</b>            | <b>258,206</b> | <b>0.20</b> | <b>151,448</b>  | <b>51,645</b> | <b>0.34</b> | <b>70,562</b>   | <b>37,116</b> | <b>0.53</b> | <b>39,451</b>    | <b>26,027</b> | <b>0.66</b> | <b>8,416</b>   | <b>6,644</b> | <b>0.79</b> | <b>1,593,917</b> | <b>379,638</b> |

SDBS = Structural Business Demographic Statistics

Table 6: Comparison between OECD ORBIS and SDBS databases – Number of Employees

| Country                                                                                            | France                    |                  |             |                 |                |             |                 |                  |             |                  |                  |             |                  |                   |             |                   |
|----------------------------------------------------------------------------------------------------|---------------------------|------------------|-------------|-----------------|----------------|-------------|-----------------|------------------|-------------|------------------|------------------|-------------|------------------|-------------------|-------------|-------------------|
| Variable                                                                                           | EMPE: Number of employees |                  |             |                 |                |             |                 |                  |             |                  |                  |             |                  |                   |             |                   |
| Year                                                                                               | 2006                      |                  |             |                 |                |             |                 |                  |             |                  |                  |             |                  |                   |             |                   |
| Main Industry and Services (ISIC3)                                                                 | 1-9 Employees             |                  |             | 10-19 Employees |                |             | 20-49 Employees |                  |             | 50-249 Employees |                  |             | 250+ Employees   |                   |             | Total             |
|                                                                                                    | SDBS                      | ORBIS            | Orbis/ SDBS | SDBS            | ORBIS          | Orbis/ SDBS | SDBS            | ORBIS            | Orbis/ SDBS | SDBS             | ORBIS            | Orbis/ SDBS | SDBS             | ORBIS             | Orbis/ SDBS | Orbis/ SDBS       |
| 01_02: Agriculture, hunting and forestry                                                           | ..                        | 20,694           | NA          | ..              | 11,502         | NA          | ..              | 14,838           | NA          | ..               | 11,862           | NA          | ..               | 19,339            | NA          | 78,235            |
| 05: Fishing                                                                                        | ..                        | 877              | NA          | ..              | 432            | NA          | ..              | 367              | NA          | ..               | 1,001            | NA          | ..               | NA                | NA          | 2,677             |
| 10_14: Mining and quarrying                                                                        | 3,830                     | 2,620            | 0.68        | 4,459           | 3,109          | 0.70        | 8,013           | 6,464            | 0.81        | 7,277            | 7,459            | 1.03        | 9,226            | 148,436           | 16.09       | 32,805            |
| 15_37: Manufacturing                                                                               | 385,619                   | 167,722          | 0.43        | 259,298         | 154,906        | 0.60        | 436,054         | 303,241          | 0.70        | 804,921          | 587,988          | 0.73        | 1,691,474        | 3,361,326         | 1.99        | 3,577,366         |
| 40_41: Electricity, gas and water supply                                                           | 1,278                     | 5,469            | 4.28        | 732             | 4,974          | 6.80        | 2,479           | 11,416           | 4.61        | 6,069            | 24,751           | 4.08        | 184,343          | 811,089           | 4.40        | 194,901           |
| 45: Construction                                                                                   | 550,576                   | 220,318          | 0.40        | 238,441         | 137,892        | 0.58        | 264,360         | 188,013          | 0.71        | 197,491          | 168,800          | 0.85        | 220,987          | 600,693           | 2.72        | 1,471,855         |
| 50: Sale, maint. and repair of motor vehicles/cycles, retail sale of fuel                          | ..                        | 39,513           | NA          | ..              | 13,973         | NA          | ..              | 8,977            | NA          | ..               | 5,424            | NA          | ..               | 17,917            | NA          | 434,269           |
| 51: Wholesale trade and commission trade, except of motor vehicles and motorcycles                 | ..                        | 160,177          | NA          | ..              | 116,383        | NA          | ..              | 201,059          | NA          | ..               | 252,021          | NA          | ..               | 366,857           | NA          | 1,053,056         |
| 52: Retail trade, except of motor vehicles and motorcycles, repair of personal and household goods | ..                        | 299,297          | NA          | ..              | 109,857        | NA          | ..              | 160,206          | NA          | ..               | 147,996          | NA          | ..               | 1,799,558         | NA          | 1,625,416         |
| 60_64: Transport, storage and communications                                                       | ..                        | 50,000           | NA          | ..              | 45,758         | NA          | ..              | 105,092          | NA          | ..               | 165,509          | NA          | ..               | 1,212,631         | NA          | 1,499,091         |
| 65_67: Financial intermediation                                                                    | ..                        | 16,009           | NA          | ..              | 6,626          | NA          | ..              | 8,796            | NA          | ..               | 26,115           | NA          | ..               | 750,689           | NA          | 137,384           |
| 70_74: Real estate, renting and business activities                                                | ..                        | 123,669          | NA          | ..              | 66,027         | NA          | ..              | 118,282          | NA          | ..               | 248,005          | NA          | ..               | 1,269,020         | NA          | 3,154,272         |
| <b>Total across industry</b>                                                                       | <b>941,303</b>            | <b>1,106,365</b> | <b>1.18</b> | <b>502,930</b>  | <b>671,439</b> | <b>1.34</b> | <b>710,906</b>  | <b>1,126,751</b> | <b>1.58</b> | <b>1,015,758</b> | <b>1,646,931</b> | <b>1.62</b> | <b>2,106,030</b> | <b>10,357,555</b> | <b>4.92</b> | <b>13,180,415</b> |

SDBS = Structural Business Demographic Statistics

| Country                                                                                            | United States             |                  |             |                  |                  |             |                   |                  |             |                  |                   |             |                   |                   |             |                   |
|----------------------------------------------------------------------------------------------------|---------------------------|------------------|-------------|------------------|------------------|-------------|-------------------|------------------|-------------|------------------|-------------------|-------------|-------------------|-------------------|-------------|-------------------|
| Variable                                                                                           | EMPE: Number of employees |                  |             |                  |                  |             |                   |                  |             |                  |                   |             |                   |                   |             |                   |
| Year                                                                                               | 2006                      |                  |             |                  |                  |             |                   |                  |             |                  |                   |             |                   |                   |             |                   |
| Main Industry and Services (ISIC3)                                                                 | 1-9 Employees             |                  |             | 10-19 Employees  |                  |             | 20-49 Employees   |                  |             | 50-249 Employees |                   |             | 250+ Employees    |                   |             | Total             |
|                                                                                                    | SDBS                      | ORBIS            | Orbis/ SDBS | SDBS             | ORBIS            | Orbis/ SDBS | SDBS              | ORBIS            | Orbis/ SDBS | SDBS             | ORBIS             | Orbis/ SDBS | SDBS              | ORBIS             | Orbis/ SDBS | Orbis/ SDBS       |
| 01_02: Agriculture, hunting and forestry                                                           | (x)                       | 400,313          | NA          | 25,236           | 169,959          | 6.73        | (x)               | 204,544          | NA          | (x)              | 196,534           | NA          | (x)               | 387,027           | NA          | 160,015           |
| 05: Fishing                                                                                        | (x)                       | 2,438            | NA          | ..               | 1,173            | NA          | ..                | 1,593            | NA          | ..               | 1,593             | NA          | ..                | 4,725             | NA          | 11,521            |
| 10_14: Mining and quarrying                                                                        | (x)                       | 34,736           | NA          | 30,734           | 28,920           | 0.94        | 87,859            | 54,571           | 0.62        | 75,714           | 123,424           | 1.63        | (x)               | 928,045           | NA          | 538,732           |
| 15_37: Manufacturing                                                                               | (x)                       | 668,376          | NA          | 846,591          | 512,765          | 0.61        | (x)               | 1,134,875        | NA          | (x)              | 3,608,581         | NA          | (x)               | 25,105,299        | NA          | 15,654,714        |
| 40_41: Electricity, gas and water supply                                                           | (x)                       | 55,900           | NA          | 6,390            | 45,228           | 7.08        | 37,382            | 88,031           | 2.35        | (x)              | 207,731           | NA          | 502,265           | 1,428,611         | 2.84        | 608,312           |
| 45: Construction                                                                                   | (x)                       | 1,193,467        | NA          | 869,498          | 619,485          | 0.71        | 1,907,750         | 839,992          | 0.44        | 1,120,161        | 1,076,248         | 0.96        | (x)               | 1,488,489         | NA          | 6,275,868         |
| 50: Sale, maint. and repair of motor vehicles/cycles, retail sale of fuel                          | (x)                       | 600,186          | NA          | 476,284          | 204,885          | 0.43        | 1,132,762         | 200,835          | 0.18        | (x)              | 191,045           | NA          | (x)               | 740,424           | NA          | 4,125,758         |
| 51: Wholesale trade and commission trade, except of motor vehicles and motorcycles                 | 662,064                   | 967,305          | 1.46        | 498,835          | 598,742          | 1.20        | 1,295,075         | 879,233          | 0.68        | 983,968          | 1,613,134         | 1.64        | 2,205,497         | 4,173,583         | 1.89        | 5,645,439         |
| 52: Retail trade, except of motor vehicles and motorcycles, repair of personal and household goods | (x)                       | 2,042,621        | NA          | 835,715          | 1,185,007        | 1.42        | 1,351,327         | 2,008,311        | 1.49        | (x)              | 3,062,464         | NA          | (x)               | 14,198,747        | NA          | 13,098,215        |
| 60_64: Transport, storage and communications                                                       | 366,219                   | 467,878          | 1.28        | 241,555          | 258,113          | 1.07        | 653,502           | 486,529          | 0.74        | 597,827          | 1,030,908         | 1.72        | 3,865,290         | 7,563,936         | 1.96        | 5,724,393         |
| 65_67: Financial intermediation                                                                    | 586,229                   | 610,918          | 1.04        | 246,380          | 321,544          | 1.31        | 689,682           | 498,558          | 0.72        | 800,716          | 1,050,596         | 1.31        | 4,592,145         | 8,387,277         | 1.83        | 6,915,152         |
| 70_74: Real estate, renting and business activities                                                | (x)                       | 1,443,140        | NA          | 1,222,532        | 592,800          | 0.48        | 2,908,320         | 881,162          | 0.30        | (x)              | 1,650,015         | NA          | (x)               | 7,203,207         | NA          | 22,585,312        |
| <b>Total across industry</b>                                                                       | <b>1,614,512</b>          | <b>8,487,278</b> | <b>5.26</b> | <b>5,299,750</b> | <b>4,538,621</b> | <b>0.86</b> | <b>10,063,659</b> | <b>7,278,233</b> | <b>0.72</b> | <b>3,578,386</b> | <b>13,812,273</b> | <b>3.86</b> | <b>11,165,197</b> | <b>71,609,370</b> | <b>6.41</b> | <b>81,331,910</b> |

SDBS = Structural Business Demographic Statistics

Legend: (x)= Confidential

| Country                                                                                            | Germany                   |                |             |                 |                |             |                 |                  |             |                  |                  |             |                  |                   |             |                   |
|----------------------------------------------------------------------------------------------------|---------------------------|----------------|-------------|-----------------|----------------|-------------|-----------------|------------------|-------------|------------------|------------------|-------------|------------------|-------------------|-------------|-------------------|
| Variable                                                                                           | EMPE: Number of employees |                |             |                 |                |             |                 |                  |             |                  |                  |             |                  |                   |             |                   |
| Year                                                                                               | 2006                      |                |             |                 |                |             |                 |                  |             |                  |                  |             |                  |                   |             |                   |
| Main Industry and Services (ISIC3)                                                                 | 1-9 Employees             |                |             | 10-19 Employees |                |             | 20-49 Employees |                  |             | 50-249 Employees |                  |             | 250+ Employees   |                   |             | Total             |
|                                                                                                    | SDBS                      | ORBIS          | Orbis/ SDBS | SDBS            | ORBIS          | Orbis/ SDBS | SDBS            | ORBIS            | Orbis/ SDBS | SDBS             | ORBIS            | Orbis/ SDBS | SDBS             | ORBIS             | Orbis/ SDBS | Orbis/ SDBS       |
| 01_02: Agriculture, hunting and forestry                                                           | ..                        | 11,780         | NA          | ..              | 14,173         | NA          | ..              | 21509            | NA          | ..               | 18196            | NA          | ..               | 7615              | NA          | 73,273            |
| 05: Fishing                                                                                        | ..                        | 182            | NA          | ..              | 66             | NA          | ..              | 180              | NA          | ..               | 134              | NA          | ..               | #VALUE!           | NA          | 562               |
| 10_14: Mining and quarrying                                                                        | 3,596                     | 2,254          | 0.63        | 7,006           | 3,007          | 0.43        | 7,645           | 5,730            | 0.75        | 12,297           | 12,663           | 1.03        | 55,585           | 66,673            | 1.20        | 86,128            |
| 15_37: Manufacturing                                                                               | 342,348                   | 114,540        | 0.33        | 558,233         | 148,362        | 0.27        | 523,045         | 314,895          | 0.60        | 1,733,182        | 1,077,987        | 0.62        | 3,777,115        | 6,521,827         | 1.73        | 6,933,924         |
| 40_41: Electricity, gas and water supply                                                           | 5,295                     | 8,920          | 1.68        | 5,943           | 7,706          | 1.30        | 15,256          | 19,213           | 1.26        | 52,758           | 53,891           | 1.02        | 196,925          | 415,324           | 2.11        | 276,177           |
| 45: Construction                                                                                   | 387,774                   | 141,286        | 0.36        | 298,288         | 142,697        | 0.48        | 271,588         | 168,682          | 0.62        | 249,887          | 191,492          | 0.77        | 111,153          | 235,622           | 2.12        | 1,318,689         |
| 50: Sale, maint. and repair of motor vehicles/cycles, retail sale of fuel                          | ..                        | 15,199         | NA          | ..              | 12,299         | NA          | ..              | 14,825           | NA          | ..               | 17,722           | NA          | ..               | 12,955            | NA          | 642,011           |
| 51: Wholesale trade and commission trade, except of motor vehicles and motorcycles                 | ..                        | 163,066        | NA          | ..              | 129,082        | NA          | ..              | 212,873          | NA          | ..               | 434,269          | NA          | ..               | 2,272,622         | NA          | 1,208,438         |
| 52: Retail trade, except of motor vehicles and motorcycles, repair of personal and household goods | ..                        | 161,387        | NA          | ..              | 92,130         | NA          | ..              | 116,326          | NA          | ..               | 194,002          | NA          | ..               | 3,015,206         | NA          | 2,444,827         |
| 60_64: Transport, storage and communications                                                       | ..                        | 50,191         | NA          | ..              | 51,503         | NA          | ..              | 88,095           | NA          | ..               | 184,918          | NA          | ..               | 2,004,217         | NA          | 1,850,700         |
| 65_67: Financial intermediation                                                                    | ..                        | 21,826         | NA          | ..              | 7,636          | NA          | ..              | 16,882           | NA          | ..               | 124,041          | NA          | ..               | 1,342,507         | NA          | 1,512,892         |
| 70_74: Real estate, renting and business activities                                                | ..                        | 160,064        | NA          | ..              | 70,466         | NA          | ..              | 116,686          | NA          | ..               | 320,892          | NA          | ..               | 2,137,114         | NA          | 3,811,231         |
| <b>Total across industry</b>                                                                       | <b>739,013</b>            | <b>850,695</b> | <b>1.15</b> | <b>869,470</b>  | <b>679,127</b> | <b>0.78</b> | <b>817,534</b>  | <b>1,095,896</b> | <b>1.34</b> | <b>2,048,124</b> | <b>2,630,207</b> | <b>1.28</b> | <b>4,140,778</b> | <b>18,031,682</b> | <b>4.35</b> | <b>18,572,125</b> |

SDBS = Structural Business Demographic Statistics

## REFERENCES

BUREAU VAN DIJCK (2009), Introduction guide to the ORBIS Database.

MENGHINELLO, S. (2007*a*), A Feasibility Study on the Adoption of the ORBIS Database as a Source of Information for Firm-level Micro-data, OECD, Paris.

MENGHINELLO, S. (2007*b*), A Data Quality Assessment and Development of Entrepreneurship Indicators from the ORBIS Database, OECD, Paris.

OECD (2010), Structural and Demographic Business Statistics 2009 (forthcoming), Paris.

## ANNEX 1: DATA PROVIDERS BY COUNTRY

| INFORMATION PROVIDER                        | COVERAGE                                          |
|---------------------------------------------|---------------------------------------------------|
| <b>COMPANY RECORDS</b>                      |                                                   |
| C.C.I. of Romania                           | Romania                                           |
| COFACE INTERCREDIT                          | Slovenia                                          |
| Coface Mope                                 | Portugal                                          |
| Coface SCRL                                 | France/Monaco                                     |
| Creditinfo Czech Republic, s.r.o.           | Czech Republic                                    |
| CreditInfo Group                            | Iceland/Malta/Cyprus                              |
| Creditinfo Slovakia, s.r.o.                 | Slovak Republic                                   |
| CreditInform AS                             | Norway                                            |
| Creditreform Austria                        | Austria                                           |
| Creditreform Bulgaria                       | Bulgaria/Ukraine/Rep. of Macedonia                |
| Creditreform Croatia                        | Croatia                                           |
| Creditreform-Interinfo                      | Hungary                                           |
| Creditreform Latvia                         | Latvia                                            |
| Creditreform St. Petersburg                 | Russia                                            |
| Honyvem                                     | Italy                                             |
| ICAP                                        | Greece                                            |
| InfoCredit                                  | Poland                                            |
| Informa                                     | Spain                                             |
| Jordans                                     | United Kingdom/Ireland                            |
| Købmandstandens OplysningsBureau            | Denmark                                           |
| Krediidiinfo                                | Estonia                                           |
| LexisNexis                                  | The Netherlands                                   |
| Creditreform Belgrade                       | Serbia and Montenegro/                            |
| Creditreform Lietuva UAB                    | Lithuania                                         |
| Suomen Asiakastieto Oy                      | Finland                                           |
| UC                                          | Sweden                                            |
| Verband der Vereine Creditreform            | Germany                                           |
| CIBI                                        | Philippines                                       |
| CMIE (Centre for Monitoring Indian Economy) | India                                             |
| DP Information Group                        | Singapore                                         |
| IBISWorld                                   | Australia                                         |
| SinoSure                                    | China                                             |
| KIS Info                                    | Korea                                             |
| Taiwan Economic Journal                     | Taiwan                                            |
| Teikoku Databank America, Inc.              | Japan                                             |
| Worldbox                                    | Switzerland/Hong Kong/                            |
| World'Vest Base Inc.                        | Worldwide - listed non US companies               |
| Fitch Ratings                               | Worldwide - banks/insurance                       |
| D & B                                       | North, Central & South America / Africa excluding |
| Reuters                                     | Listed US companies                               |
| TransUnion ITC                              | South Africa                                      |
| <b>STOCK DATA</b>                           |                                                   |
| Fininfo                                     | Worldwide                                         |
| <b>SCANNED REPORTS</b>                      |                                                   |
| Global Reports                              | Worldwide                                         |
| <b>NEWS</b>                                 |                                                   |
| Reuters                                     | Worldwide                                         |
| <b>SEC FILINGS</b>                          |                                                   |
| Edgar Online                                | Worldwide                                         |
| <b>INDUSTRY &amp; COMPANY REPORTS</b>       |                                                   |
| Datamonitor                                 | Worldwide                                         |

## ANNEX 2: FINANCIAL VARIABLES AVAILABLE IN ORBIS DATABASE

| Balance Sheet |                                       |                                                                                                                                                                                                                                                                    |                          |
|---------------|---------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|
| Reference     | Label                                 | Definition                                                                                                                                                                                                                                                         | Formula                  |
| 404           | Fixed Assets                          | Total amount (after depreciation) of non current assets (Intangible assets+Tangible assets+Other fixed assets).                                                                                                                                                    | 405+406+407              |
| 405           | Intangible Fixed Assets               | All intangible assets such as formation expenses, research expenses, goodwill, development expenses and all other expenses with a long term effect                                                                                                                 |                          |
| 406           | Tangible Fixed Assets                 | All tangible assets such as buildings, machinery, etc.                                                                                                                                                                                                             |                          |
| 407           | Other Fixed Assets                    | All other fixed assets such as long term investments, shares and participations, pension funds etc.                                                                                                                                                                |                          |
| 408           | Current Fixed Assets                  | Total amount of current assets (Stocks+Debtors+Other current assets).                                                                                                                                                                                              | 409+410+411              |
| 409           | Stocks                                | Total inventories (raw materials+in progress+finished goods)                                                                                                                                                                                                       |                          |
| 410           | Debtors                               | Trade receivables (from clients and customers only)                                                                                                                                                                                                                |                          |
| 411           | Other Current Assets                  | All other current assets such as receivables from other sources (taxes, group companies), short term investment of money and Cash at bank and in hand.                                                                                                             |                          |
| 440           | Cash & Cash Equivalent                | Detail of the Other current assets =Only the amount of cash at bank and in hand of the company.                                                                                                                                                                    |                          |
| 412           | Total Assets                          | Total assets (Fixed assets+ Current assets)                                                                                                                                                                                                                        | 404+408                  |
| 413           | Shareholder Funds                     | Total equity (Capital + Other shareholders funds)                                                                                                                                                                                                                  | 414+415                  |
| 414           | Capital                               | Issued Share capital (Authorized capital).                                                                                                                                                                                                                         |                          |
| 415           | Other Shareholder Funds               | All Shareholders funds not linked with the Issued capital such as Reserve capital, Undistributed profit, include also Minority interests if any.                                                                                                                   |                          |
| 416           | Non-Current Liabilities               | All long term liabilities of the company (Long term financial debts + other long term liabilities and provisions)                                                                                                                                                  | 417+418                  |
| 417           | Long Term Debt                        | All long term liabilities of the company (Long term financial debts + other long term liabilities and provisions)                                                                                                                                                  |                          |
| 418           | Other Non-Current Liabilities         | Long term financial debts to credit institutions (loans and credits)                                                                                                                                                                                               |                          |
| 419           | Current Liabilities                   | All long term liabilities not related to financial institutions but to taxes, group companies, pension loans, etc. Also include the provisions                                                                                                                     | 420+421+422              |
| 420           | Loans                                 | All current liabilities of the company (Loans + Creditors + Other current liabilities)                                                                                                                                                                             |                          |
| 421           | Creditors                             | All current liabilities of the company (Loans + Creditors + Other current liabilities)                                                                                                                                                                             |                          |
| 422           | Other Current Liabilities             | Short term financial debts to credit institutions (loans and credits)+ part of Long term financial debts payable within the year                                                                                                                                   |                          |
| 423           | Total Shareholder Funds & Liabilities | All debts to suppliers and contractors (trade creditors)                                                                                                                                                                                                           | 413+416+419              |
| 424           | Working Capital                       | All current liabilities not payable to financial institutions nor trade debts such as pension, personnel costs, taxes, intragroup debts, etc.                                                                                                                      | 409+410-421              |
| 452           | Net Current Assets                    | Total Shareholders funds and liabilities (Shareholders funds + Non current liabilities + Current liabilities)                                                                                                                                                      | 408-419                  |
| 450           | Enterprise Value                      | Indicates how much capital is used by day to day activities=Stocks + Debtors-Creditors                                                                                                                                                                             | Market Cap + 417+420-440 |
| 425           | Employees                             | Similar to Working capital (allowing to indicate how much capital is used by day to day activities) but using a different formula: Current assets - Current liabilities                                                                                            |                          |
|               |                                       | For publicly listed companies only. The enterprise value estimates the total value on the market of the company operations by the sum of its Market capitalisation, the Long term debts and the Loans (to financial institutions) minus the Cash & cash equivalent |                          |
|               |                                       | Total number of full time employees of the company (personnel)                                                                                                                                                                                                     |                          |

| Profit & Loss Account |                               |                                                                                                                                                                     |                     |
|-----------------------|-------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
| Reference             | Label                         | Definition                                                                                                                                                          | Formula             |
| 448                   | Operating Revenue (Turnover)  | Total operating revenues (Net sales + Other operating revenues+ Stock variations). The figures do not include VAT or excises taxes and similar obligatory payments. |                     |
| 426                   | Sales                         | Net sales                                                                                                                                                           |                     |
| 441                   | Costs of Goods Sold           | Cost of sold goods, production, services. Costs directly related to the production of the goods sold + depreciation of those costs                                  |                     |
| 442                   | Gross Profit                  | Operating revenue - Cost of goods sold                                                                                                                              | 448-441             |
| 443                   | Other Operating Expenses      | All costs not directly related to the production of goods sold such as commercial costs, administrative expenses, etc. + depreciation of those costs                |                     |
| 427                   | Operating P/L [=EBIT]         | EBIT. All operating revenues - all operating expenses (Gross profit-Other operating expenses)                                                                       | 442-443             |
| 444                   | Financial Revenue             | All financial revenues such as interest, incomes from shares, etc.                                                                                                  |                     |
| 445                   | Financial Expenses            | All financial expenses such as interest charges, write-off financial assets                                                                                         |                     |
| 428                   | Financial P/L                 | Result from financial activities of the company (Financial revenue Financial expenses)                                                                              | 444-445             |
| 429                   | P/L before Tax & Extra. Items | Operating profit + financial profit                                                                                                                                 | 427+428             |
| 430                   | Taxation                      | All taxes paid by the company during the accounting period                                                                                                          |                     |
| 431                   | P/L after Tax                 | Profit before taxation - Taxation                                                                                                                                   | 429-430             |
| 446                   | Extra. and Other Revenue      | All extraordinary revenues and other revenues not belonging to the 'ordinary' activities of the company.                                                            |                     |
| 447                   | Extra. and Other Expenses     | All extraordinary expenses and other expenses not belonging to the 'ordinary' activities of the company.                                                            |                     |
| 432                   | Extra. and Other P/L          | All extraordinary and other result not belonging to the 'ordinary' activities of the company.                                                                       | 446-447             |
| 433                   | P/L for Period [=Net Income]  | Net income for the Year. Before deduction of Minority interests if any (Profit after taxation+Extraordinary and other profit).                                      | 431+432             |
| Memo lines:           |                               |                                                                                                                                                                     |                     |
| 451                   | Export Turnover               |                                                                                                                                                                     |                     |
| 434                   | Material Costs                | Detail of the costs of materials used only for the production of the goods produced                                                                                 |                     |
| 435                   | Cost of Employees             | Detail of all the employees costs of the company (including pension costs)                                                                                          |                     |
| 436                   | Depreciation                  | Total amount of depreciation and amortization of the assets                                                                                                         |                     |
| 437                   | Interest Paid                 | Total amount of interest charges paid for shares or loans                                                                                                           |                     |
| 438                   | Cash Flow                     | Profit for period + Depreciation                                                                                                                                    | 433+436             |
| 439                   | Added Value                   | Profit for period + Depreciation+ Taxation + Interests paid + Cost of employees                                                                                     | 430+433+435+436+437 |
| 449                   | EBITDA                        | Operating profit + Depreciation                                                                                                                                     | 427+436             |

| Ratios                      |                                                 |                                     |
|-----------------------------|-------------------------------------------------|-------------------------------------|
| Reference                   | Label                                           | Definition                          |
|                             | Label                                           | Formula                             |
| <b>Profitability ratios</b> |                                                 |                                     |
| 509                         | Return on Shareholder Funds (%)                 | $(429 / 413) * 100$                 |
| 510                         | Return on Capital Employed (%)                  | $((429 + 437) / (413 + 416)) * 100$ |
| 511                         | Return on Total Assets (%)                      | $(429 / 412) * 100$                 |
| 508                         | Profit Margin (%)                               | $(429 / 448) * 100$                 |
| 522                         | Gross Margin (%)                                | $(442 / 448) * 100$                 |
| 523                         | EBITDA Margin (%)                               | $[(427 + 436) / 448] * 100$         |
| 524                         | EBIT Margin (%)                                 | $(427 / 448) * 100$                 |
| 521                         | Cash Flow / Turnover (%)                        | $(438 / 448) * 100$                 |
| <b>Operational ratios</b>   |                                                 |                                     |
| 515                         | Net Assets (Turnover)                           | $448 / (413 + 416)$                 |
| 520                         | Interest Cover                                  | $427 / 437$                         |
| 512                         | Stock Turnover                                  | $448 / 409$                         |
| 513                         | Collection Period (days)                        | $(410 / 448) * 360$                 |
| 514                         | Credits Period (days)                           | $(421 / 448) * 360$                 |
| 525                         | Export Turnover / Total Turnover (%)            | $(421 / 448) * 360$                 |
| <b>Structure ratios</b>     |                                                 |                                     |
| 500                         | Current Ratio (x)                               | $408 / 419$                         |
| 501                         | Liquidity Ratio (x)                             | $(408 - 409) / 419$                 |
| 502                         | Shareholder Liquidity Ratio (x)                 | $413 / 416$                         |
| 503                         | Solvency Ratio (%)                              | $(413 / 412) * 100$                 |
| 504                         | Gearing Ratio (%)                               | $((416 + 420) / 413) * 100$         |
| <b>Per employee ratios</b>  |                                                 |                                     |
| 519                         | Profit per Employee (monetary value)            | $429 / 425$                         |
| 517                         | Operating Revenue per Employee (monetary value) | $448 / 425$                         |
| 516                         | Costs of Employees / Operating Revenue (%)      | $(435 / 448) * 100$                 |
| 518                         | Average Costs per Employee (monetary value)     | $435 / 425$                         |
| 505                         | Shareholder Funds per Employee (monetary value) | $413 / 425$                         |
| 506                         | Working Capital per Employee (monetary value)   | $424 / 425$                         |
| 507                         | Total Assets per Employee (monetary value)      | $412 / 425$                         |

**ANNEX 3: CONSOLIDATION CODES (ASSIGNED BY BvDEP)**

- Consolidated account **C1**: account of a company- headquarter of a group, aggregating all companies belonging to the group (affiliates, subsidiaries, etc.), where the company-headquarter has no unconsolidated account
- Consolidated account **C2**: account of a company-headquarter of a group, aggregating all companies belonging to the group (affiliates, subsidiaries, etc.) where the company-headquarter also presents an unconsolidated account
- Unconsolidated account **U1**: account of a company with no consolidated account
- Unconsolidated account **U2**: account of a company with a consolidated account
- Limited number of financial items **LF**: account of a company with only a limited number of information/variables included
- No financial items at all **NF**: account of a company with no financial items/variables included.

# **ANNEX 4: NUMBER OF COMPANIES IN THE OECD ORBIS DATABASE, BY INDUSTRY AND SIZE CLASS, INDIVIDUAL OECD COUNTRIES (REFERENCE YEAR: 2006)**

| OECD Countries                                                           |              | SIZE CLASS       |                  |                 |                  |                |                  |                   |
|--------------------------------------------------------------------------|--------------|------------------|------------------|-----------------|------------------|----------------|------------------|-------------------|
| Main Industry / Services                                                 | 0 Employee   | 1-9 Employees    | 10-19 Employees  | 20-49 Employees | 50-249 Employees | 250+ Employees | Unknown          | Total             |
| A - Agriculture, Forestry, And Fishing                                   | 73           | 254,292          | 23,043           | 13,274          | 5,532            | 736            | 53,831           | 350,781           |
| B - Mining                                                               | 4            | 20,073           | 4,898            | 4,063           | 2,697            | 1,061          | 9,453            | 42,249            |
| C - Construction                                                         | 1,672        | 808,330          | 133,094          | 79,862          | 33,182           | 4,623          | 327,853          | 1,388,616         |
| D - Manufacturing                                                        | 613          | 487,342          | 137,937          | 129,761         | 109,749          | 34,346         | 271,659          | 1,171,407         |
| E - Transportation, Communications, Electric, Gas, And Sanitary Services | 102          | 335,011          | 58,945           | 47,318          | 31,804           | 9,056          | 145,123          | 627,359           |
| F - Wholesale Trade                                                      | 798          | 609,837          | 115,341          | 82,055          | 44,152           | 8,047          | 283,665          | 1,143,895         |
| G - Retail Trade                                                         | 282          | 1,269,784        | 194,912          | 117,657         | 56,773           | 10,169         | 285,682          | 1,935,259         |
| H - Finance, Insurance, And Real Estate                                  | 557          | 808,934          | 68,834           | 46,100          | 30,814           | 11,979         | 837,554          | 1,804,772         |
| I - Services                                                             | 774          | 3,040,895        | 325,500          | 220,761         | 135,754          | 32,259         | 1,206,354        | 4,962,297         |
| J - Public Administration                                                | 0            | 878              | 206              | 188             | 202              | 80             | 4,228            | 5,782             |
| N/A                                                                      | 0            | 34,110           | 6,076            | 4,459           | 2,595            | 830            | 319,876          | 367,946           |
| Unclassified                                                             | 0            | 46               | 35               | 31              | 17               | 2              | 1                | 132               |
| <b>Total</b>                                                             | <b>4,875</b> | <b>7,669,532</b> | <b>1,068,821</b> | <b>745,529</b>  | <b>453,271</b>   | <b>113,188</b> | <b>3,745,279</b> | <b>13,800,495</b> |

| Austria                                                                  |            | SIZE CLASS    |                 |                 |                  |                |               |                |
|--------------------------------------------------------------------------|------------|---------------|-----------------|-----------------|------------------|----------------|---------------|----------------|
| Main Industry / Services                                                 | 0 Employee | 1-9 Employees | 10-19 Employees | 20-49 Employees | 50-249 Employees | 250+ Employees | Unknown       | Total          |
| A - Agriculture, Forestry, And Fishing                                   | 0          | 495           | 84              | 57              | 23               | 1              | 308           | 968            |
| B - Mining                                                               | 0          | 86            | 51              | 43              | 28               | 8              | 91            | 307            |
| C - Construction                                                         | 0          | 5,576         | 1,856           | 1,429           | 629              | 71             | 4,025         | 13,586         |
| D - Manufacturing                                                        | 0          | 4,117         | 1,439           | 1,411           | 1,171            | 373            | 3,563         | 12,074         |
| E - Transportation, Communications, Electric, Gas, And Sanitary Services | 0          | 2,707         | 664             | 602             | 352              | 69             | 2,348         | 6,742          |
| F - Wholesale Trade                                                      | 0          | 5,749         | 1,433           | 1,174           | 739              | 119            | 4,768         | 13,982         |
| G - Retail Trade                                                         | 0          | 10,102        | 1,188           | 748             | 286              | 84             | 5,886         | 18,294         |
| H - Finance, Insurance, And Real Estate                                  | 0          | 9,335         | 287             | 255             | 198              | 99             | 8,617         | 18,791         |
| I - Services                                                             | 0          | 21,288        | 1,425           | 1,172           | 626              | 178            | 12,809        | 37,498         |
| J - Public Administration                                                | 0          | 25            | 12              | 11              | 9                | 9              | 45            | 111            |
| N/A                                                                      | 0          | 313           | 31              | 20              | 11               | 3              | 2,605         | 2,983          |
| Unclassified                                                             | 0          | 0             | 0               | 0               | 0                | 0              | 0             | 0              |
| <b>Total</b>                                                             | <b>0</b>   | <b>59,793</b> | <b>8,470</b>    | <b>6,922</b>    | <b>4,072</b>     | <b>1,014</b>   | <b>45,065</b> | <b>125,336</b> |

| Australia                                                                |            | SIZE CLASS    |                 |                 |                  |                |              |              |
|--------------------------------------------------------------------------|------------|---------------|-----------------|-----------------|------------------|----------------|--------------|--------------|
| Main Industry / Services                                                 | 0 Employee | 1-9 Employees | 10-19 Employees | 20-49 Employees | 50-249 Employees | 250+ Employees | Unknown      | Total        |
| A - Agriculture, Forestry, And Fishing                                   | 0          | 1             | 1               | 1               | 4                | 9              | 16           | 32           |
| B - Mining                                                               | 0          | 112           | 25              | 13              | 27               | 26             | 411          | 614          |
| C - Construction                                                         | 0          | 0             | 0               | 0               | 27               | 23             | 27           | 77           |
| D - Manufacturing                                                        | 0          | 23            | 7               | 17              | 64               | 173            | 308          | 592          |
| E - Transportation, Communications, Electric, Gas, And Sanitary Services | 0          | 6             | 6               | 8               | 16               | 70             | 128          | 234          |
| F - Wholesale Trade                                                      | 0          | 4             | 7               | 23              | 78               | 84             | 94           | 290          |
| G - Retail Trade                                                         | 0          | 1             | 1               | 4               | 34               | 59             | 41           | 140          |
| H - Finance, Insurance, And Real Estate                                  | 0          | 18            | 4               | 13              | 16               | 41             | 315          | 407          |
| I - Services                                                             | 0          | 23            | 7               | 19              | 41               | 90             | 185          | 365          |
| J - Public Administration                                                | 0          | 1             | 0               | 1               | 0                | 0              | 7            | 9            |
| N/A                                                                      | 0          | 0             | 1               | 3               | 25               | 74             | 50           | 153          |
| Unclassified                                                             | 0          | 0             | 0               | 0               | 0                | 0              | 0            | 0            |
| <b>Total</b>                                                             | <b>0</b>   | <b>189</b>    | <b>59</b>       | <b>102</b>      | <b>332</b>       | <b>649</b>     | <b>1,582</b> | <b>2,913</b> |

| Belgium                                                                  |            | SIZE CLASS     |                 |                 |                  |                |                |                |
|--------------------------------------------------------------------------|------------|----------------|-----------------|-----------------|------------------|----------------|----------------|----------------|
| Main Industry / Services                                                 | 0 Employee | 1-9 Employees  | 10-19 Employees | 20-49 Employees | 50-249 Employees | 250+ Employees | Unknown        | Total          |
| A - Agriculture, Forestry, And Fishing                                   | 0          | 1,976          | 188             | 94              | 26               | 2              | 3,964          | 6,250          |
| B - Mining                                                               | 0          | 78             | 25              | 24              | 10               | 5              | 113            | 255            |
| C - Construction                                                         | 0          | 10,464         | 1,401           | 884             | 289              | 35             | 10,257         | 23,330         |
| D - Manufacturing                                                        | 0          | 8,395          | 2,092           | 1,897           | 1,191            | 376            | 8,337          | 22,288         |
| E - Transportation, Communications, Electric, Gas, And Sanitary Services | 0          | 4,729          | 1,086           | 993             | 419              | 101            | 5,698          | 13,026         |
| F - Wholesale Trade                                                      | 0          | 12,285         | 1,929           | 1,325           | 454              | 66             | 18,610         | 34,669         |
| G - Retail Trade                                                         | 0          | 19,797         | 1,571           | 750             | 160              | 53             | 21,707         | 44,038         |
| H - Finance, Insurance, And Real Estate                                  | 0          | 7,352          | 432             | 309             | 167              | 71             | 25,503         | 33,834         |
| I - Services                                                             | 0          | 22,608         | 2,811           | 2,213           | 1,163            | 312            | 65,219         | 94,326         |
| J - Public Administration                                                | 0          | 21             | 4               | 8               | 8                | 3              | 54             | 98             |
| N/A                                                                      | 0          | 14,092         | 2,169           | 1,417           | 554              | 135            | 35,696         | 54,063         |
| Unclassified                                                             | 0          | 0              | 0               | 0               | 0                | 0              | 0              | 0              |
| <b>Total</b>                                                             | <b>0</b>   | <b>101,797</b> | <b>13,708</b>   | <b>9,914</b>    | <b>4,441</b>     | <b>1,159</b>   | <b>195,158</b> | <b>326,177</b> |

| Canada                                                                   |            | SIZE CLASS     |                 |                 |                  |                |              |                  |
|--------------------------------------------------------------------------|------------|----------------|-----------------|-----------------|------------------|----------------|--------------|------------------|
| Main Industry / Services                                                 | 0 Employee | 1-9 Employees  | 10-19 Employees | 20-49 Employees | 50-249 Employees | 250+ Employees | Unknown      | Total            |
| A - Agriculture, Forestry, And Fishing                                   | 0          | 47,562         | 1,992           | 694             | 379              | 27             | 12           | 50,666           |
| B - Mining                                                               | 0          | 5,099          | 911             | 613             | 423              | 156            | 914          | 8,116            |
| C - Construction                                                         | 0          | 59,128         | 9,328           | 3,418           | 1,482            | 186            | 21           | 73,563           |
| D - Manufacturing                                                        | 0          | 41,241         | 9,978           | 6,766           | 5,440            | 1,439          | 492          | 65,356           |
| E - Transportation, Communications, Electric, Gas, And Sanitary Services | 0          | 34,297         | 8,055           | 3,985           | 2,158            | 566            | 251          | 49,312           |
| F - Wholesale Trade                                                      | 0          | 38,753         | 7,394           | 4,235           | 2,258            | 406            | 252          | 53,298           |
| G - Retail Trade                                                         | 0          | 140,228        | 37,134          | 12,238          | 5,661            | 563            | 246          | 196,070          |
| H - Finance, Insurance, And Real Estate                                  | 1          | 55,530         | 7,242           | 4,341           | 2,305            | 659            | 530          | 70,708           |
| I - Services                                                             | 0          | 402,422        | 38,261          | 20,230          | 10,969           | 2,144          | 629          | 474,655          |
| J - Public Administration                                                | 0          | 0              | 0               | 0               | 0                | 0              | 7            | 7                |
| N/A                                                                      | 0          | 0              | 0               | 0               | 0                | 0              | 6            | 6                |
| Unclassified                                                             | 0          | 0              | 0               | 0               | 0                | 0              | 0            | 0                |
| <b>Total</b>                                                             | <b>1</b>   | <b>824,260</b> | <b>120,395</b>  | <b>56,520</b>   | <b>31,075</b>    | <b>6,146</b>   | <b>3,360</b> | <b>1,041,757</b> |

| Czech Republic                                                           |            |               |                 |                 |                  |                |         |        |
|--------------------------------------------------------------------------|------------|---------------|-----------------|-----------------|------------------|----------------|---------|--------|
| Main Industry / Services                                                 | SIZE CLASS |               |                 |                 |                  |                |         |        |
|                                                                          | 0 Employee | 1-9 Employees | 10-19 Employees | 20-49 Employees | 50-249 Employees | 250+ Employees | Unknown | Total  |
| A - Agriculture, Forestry, And Fishing                                   | 0          | 283           | 159             | 234             | 484              | 32             | 235     | 1,427  |
| B - Mining                                                               | 0          | 17            | 13              | 24              | 23               | 14             | 13      | 104    |
| C - Construction                                                         | 0          | 1,416         | 632             | 583             | 434              | 54             | 515     | 3,634  |
| D - Manufacturing                                                        | 0          | 1,973         | 1,053           | 1,417           | 1,991            | 697            | 733     | 7,864  |
| E - Transportation, Communications, Electric, Gas, And Sanitary Services | 0          | 919           | 344             | 377             | 412              | 138            | 282     | 2,472  |
| F - Wholesale Trade                                                      | 0          | 4,591         | 1,070           | 886             | 494              | 45             | 2,313   | 9,399  |
| G - Retail Trade                                                         | 0          | 3,233         | 744             | 352             | 246              | 91             | 1,688   | 6,354  |
| H - Finance, Insurance, And Real Estate                                  | 0          | 2,362         | 265             | 183             | 145              | 33             | 7,657   | 10,645 |
| I - Services                                                             | 0          | 5,320         | 1,101           | 798             | 614              | 144            | 2,625   | 10,602 |
| J - Public Administration                                                | 0          | 3             | 0               | 0               | 3                | 0              | 2       | 8      |
| N/A                                                                      | 0          | 297           | 50              | 20              | 8                | 3              | 1,135   | 1,513  |
| Unclassified                                                             | 0          | 0             | 0               | 0               | 0                | 0              | 0       | 0      |
| Total                                                                    | 0          | 20,414        | 5,431           | 4,874           | 4,854            | 1,251          | 17,198  | 54,022 |

| Denmark                                                                  |            |               |                 |                 |                  |                |         |         |
|--------------------------------------------------------------------------|------------|---------------|-----------------|-----------------|------------------|----------------|---------|---------|
| Main Industry / Services                                                 | SIZE CLASS |               |                 |                 |                  |                |         |         |
|                                                                          | 0 Employee | 1-9 Employees | 10-19 Employees | 20-49 Employees | 50-249 Employees | 250+ Employees | Unknown | Total   |
| A - Agriculture, Forestry, And Fishing                                   | 0          | 481           | 121             | 47              | 20               | 1              | 478     | 1,148   |
| B - Mining                                                               | 0          | 1             | 0               | 0               | 0                | 0              | 2       | 3       |
| C - Construction                                                         | 0          | 5,661         | 1,592           | 989             | 249              | 30             | 3,211   | 11,732  |
| D - Manufacturing                                                        | 0          | 3,972         | 1,406           | 1,291           | 910              | 278            | 2,457   | 10,314  |
| E - Transportation, Communications, Electric, Gas, And Sanitary Services | 0          | 1,970         | 608             | 440             | 281              | 84             | 2,019   | 5,402   |
| F - Wholesale Trade                                                      | 0          | 7,100         | 1,536           | 1,089           | 571              | 88             | 5,305   | 15,689  |
| G - Retail Trade                                                         | 0          | 5,515         | 913             | 509             | 152              | 45             | 2,917   | 10,051  |
| H - Finance, Insurance, And Real Estate                                  | 0          | 5,012         | 375             | 569             | 1,061            | 348            | 56,508  | 63,873  |
| I - Services                                                             | 0          | 13,278        | 1,669           | 1,003           | 605              | 121            | 12,376  | 29,052  |
| J - Public Administration                                                | 0          | 89            | 11              | 4               | 4                | 2              | 181     | 291     |
| N/A                                                                      | 0          | 2,773         | 362             | 267             | 157              | 27             | 10,766  | 14,352  |
| Unclassified                                                             | 0          | 0             | 0               | 0               | 0                | 0              | 0       | 0       |
| Total                                                                    | 0          | 45,852        | 8,593           | 6,208           | 4,010            | 1,024          | 96,220  | 161,907 |

| Finland                                                                  |            |               |                 |                 |                  |                |         |        |
|--------------------------------------------------------------------------|------------|---------------|-----------------|-----------------|------------------|----------------|---------|--------|
| Main Industry / Services                                                 | SIZE CLASS |               |                 |                 |                  |                |         |        |
|                                                                          | 0 Employee | 1-9 Employees | 10-19 Employees | 20-49 Employees | 50-249 Employees | 250+ Employees | Unknown | Total  |
| A - Agriculture, Forestry, And Fishing                                   | 0          | 1,099         | 127             | 44              | 19               | 0              | 559     | 1,848  |
| B - Mining                                                               | 0          | 150           | 29              | 12              | 7                | 3              | 94      | 295    |
| C - Construction                                                         | 0          | 6,396         | 991             | 511             | 159              | 39             | 2,243   | 10,339 |
| D - Manufacturing                                                        | 0          | 5,037         | 1,169           | 1,083           | 827              | 328            | 2,075   | 10,519 |
| E - Transportation, Communications, Electric, Gas, And Sanitary Services | 0          | 3,632         | 612             | 397             | 220              | 100            | 1,849   | 6,810  |
| F - Wholesale Trade                                                      | 0          | 5,516         | 690             | 437             | 243              | 77             | 2,477   | 9,440  |
| G - Retail Trade                                                         | 0          | 5,048         | 762             | 439             | 147              | 62             | 1,872   | 8,330  |
| H - Finance, Insurance, And Real Estate                                  | 0          | 2,119         | 219             | 172             | 72               | 30             | 3,178   | 5,790  |
| I - Services                                                             | 0          | 13,423        | 1,434           | 967             | 551              | 142            | 6,859   | 23,376 |
| J - Public Administration                                                | 0          | 4             | 3               | 0               | 0                | 1              | 6       | 14     |
| N/A                                                                      | 0          | 2             | 0               | 0               | 0                | 0              | 3       | 5      |
| Unclassified                                                             | 0          | 0             | 0               | 0               | 0                | 0              | 0       | 0      |
| Total                                                                    | 0          | 42,426        | 6,036           | 4,062           | 2,245            | 782            | 21,215  | 76,766 |

| France                                                                   |            |               |                 |                 |                  |                |         |         |
|--------------------------------------------------------------------------|------------|---------------|-----------------|-----------------|------------------|----------------|---------|---------|
| Main Industry / Services                                                 | SIZE CLASS |               |                 |                 |                  |                |         |         |
|                                                                          | 0 Employee | 1-9 Employees | 10-19 Employees | 20-49 Employees | 50-249 Employees | 250+ Employees | Unknown | Total   |
| A - Agriculture, Forestry, And Fishing                                   | 0          | 6,887         | 915             | 498             | 142              | 14             | 5,706   | 14,162  |
| B - Mining                                                               | 0          | 645           | 231             | 223             | 77               | 21             | 402     | 1,599   |
| C - Construction                                                         | 0          | 64,405        | 10,821          | 6,366           | 1,784            | 294            | 28,339  | 112,109 |
| D - Manufacturing                                                        | 0          | 45,085        | 11,755          | 9,756           | 5,575            | 1,659          | 22,680  | 96,510  |
| E - Transportation, Communications, Electric, Gas, And Sanitary Services | 0          | 16,295        | 3,991           | 3,805           | 1,828            | 462            | 10,226  | 36,607  |
| F - Wholesale Trade                                                      | 0          | 46,784        | 8,365           | 6,263           | 2,583            | 391            | 27,766  | 92,152  |
| G - Retail Trade                                                         | 0          | 102,786       | 9,676           | 5,917           | 1,611            | 353            | 41,332  | 161,675 |
| H - Finance, Insurance, And Real Estate                                  | 1          | 38,327        | 2,905           | 1,689           | 846              | 502            | 78,342  | 122,612 |
| I - Services                                                             | 0          | 115,013       | 14,371          | 9,442           | 4,393            | 959            | 81,098  | 225,276 |
| J - Public Administration                                                | 0          | 3             | 0               | 0               | 1                | 1              | 3       | 8       |
| N/A                                                                      | 0          | 174           | 8               | 7               | 2                | 2              | 1,351   | 1,544   |
| Unclassified                                                             | 0          | 0             | 0               | 0               | 0                | 0              | 0       | 0       |
| Total                                                                    | 1          | 436,404       | 63,138          | 43,966          | 18,842           | 4,658          | 297,245 | 864,254 |

| Germany                                                                  |            |               |                 |                 |                  |                |         |         |
|--------------------------------------------------------------------------|------------|---------------|-----------------|-----------------|------------------|----------------|---------|---------|
| Main Industry / Services                                                 | SIZE CLASS |               |                 |                 |                  |                |         |         |
|                                                                          | 0 Employee | 1-9 Employees | 10-19 Employees | 20-49 Employees | 50-249 Employees | 250+ Employees | Unknown | Total   |
| A - Agriculture, Forestry, And Fishing                                   | 0          | 3,416         | 1,083           | 759             | 219              | 14             | 3,304   | 8,795   |
| B - Mining                                                               | 0          | 569           | 229             | 195             | 139              | 26             | 679     | 1,837   |
| C - Construction                                                         | 0          | 34,155        | 10,934          | 5,967           | 2,135            | 182            | 33,609  | 86,982  |
| D - Manufacturing                                                        | 0          | 29,359        | 11,188          | 10,462          | 10,274           | 2,775          | 36,712  | 100,770 |
| E - Transportation, Communications, Electric, Gas, And Sanitary Services | 0          | 18,079        | 4,436           | 3,617           | 2,398            | 616            | 16,090  | 45,236  |
| F - Wholesale Trade                                                      | 0          | 46,212        | 9,347           | 6,816           | 4,337            | 722            | 39,070  | 106,504 |
| G - Retail Trade                                                         | 0          | 47,507        | 7,653           | 4,396           | 2,249            | 489            | 30,935  | 93,229  |
| H - Finance, Insurance, And Real Estate                                  | 0          | 79,559        | 2,373           | 1,828           | 1,926            | 1,254          | 61,509  | 148,449 |
| I - Services                                                             | 0          | 87,344        | 12,421          | 9,296           | 7,052            | 2,232          | 77,861  | 196,206 |
| J - Public Administration                                                | 0          | 438           | 63              | 67              | 62               | 14             | 381     | 1,025   |
| N/A                                                                      | 0          | 588           | 7               | 7               | 7                | 2              | 1,047   | 1,658   |
| Unclassified                                                             | 0          | 0             | 0               | 0               | 1                | 0              | 0       | 1       |
| Total                                                                    | 0          | 347,226       | 59,734          | 43,410          | 30,799           | 8,326          | 301,197 | 790,692 |

| Greece                                                                   |            |               |                 |                 |                  |                |         |        |
|--------------------------------------------------------------------------|------------|---------------|-----------------|-----------------|------------------|----------------|---------|--------|
| Main Industry / Services                                                 | SIZE CLASS |               |                 |                 |                  |                |         |        |
|                                                                          | 0 Employee | 1-9 Employees | 10-19 Employees | 20-49 Employees | 50-249 Employees | 250+ Employees | Unknown | Total  |
| A - Agriculture, Forestry, And Fishing                                   | 0          | 120           | 59              | 49              | 26               | 7              | 115     | 376    |
| B - Mining                                                               | 0          | 19            | 30              | 24              | 15               | 5              | 37      | 130    |
| C - Construction                                                         | 0          | 452           | 223             | 223             | 119              | 13             | 987     | 2,017  |
| D - Manufacturing                                                        | 0          | 1,161         | 1,450           | 1,574           | 830              | 162            | 980     | 6,157  |
| E - Transportation, Communications, Electric, Gas, And Sanitary Services | 0          | 429           | 285             | 236             | 126              | 39             | 670     | 1,785  |
| F - Wholesale Trade                                                      | 0          | 3,245         | 1,686           | 1,024           | 314              | 29             | 1,227   | 7,525  |
| G - Retail Trade                                                         | 0          | 706           | 456             | 400             | 138              | 47             | 624     | 2,371  |
| H - Finance, Insurance, And Real Estate                                  | 0          | 304           | 115             | 110             | 57               | 13             | 864     | 1,463  |
| I - Services                                                             | 0          | 1,373         | 992             | 777             | 434              | 68             | 2,134   | 5,778  |
| J - Public Administration                                                | 0          | 1             | 0               | 1               | 3                | 0              | 0       | 5      |
| N/A                                                                      | 0          | 0             | 0               | 0               | 0                | 0              | 0       | 0      |
| Unclassified                                                             | 0          | 0             | 0               | 0               | 0                | 0              | 0       | 0      |
| Total                                                                    | 0          | 7,810         | 5,296           | 4,418           | 2,062            | 383            | 7,638   | 27,607 |

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| Hungary                                                                  |            |               |                 |                 |                  |                |         |        |
|--------------------------------------------------------------------------|------------|---------------|-----------------|-----------------|------------------|----------------|---------|--------|
| Main Industry / Services                                                 | SIZE CLASS |               |                 |                 |                  |                |         | Total  |
|                                                                          | 0 Employee | 1-9 Employees | 10-19 Employees | 20-49 Employees | 50-249 Employees | 250+ Employees | Unknown |        |
| A - Agriculture, Forestry, And Fishing                                   | 0          | 99            | 42              | 87              | 98               | 21             | 2,875   | 3,222  |
| B - Mining                                                               | 0          | 5             | 7               | 3               | 7                | 4              | 163     | 189    |
| C - Construction                                                         | 0          | 271           | 186             | 255             | 152              | 18             | 6,494   | 7,376  |
| D - Manufacturing                                                        | 0          | 293           | 275             | 457             | 632              | 257            | 9,962   | 11,876 |
| E - Transportation, Communications, Electric, Gas, And Sanitary Services | 0          | 467           | 164             | 127             | 112              | 64             | 4,203   | 5,137  |
| F - Wholesale Trade                                                      | 0          | 637           | 310             | 380             | 237              | 30             | 11,915  | 13,509 |
| G - Retail Trade                                                         | 0          | 295           | 119             | 77              | 86               | 23             | 10,355  | 10,955 |
| H - Finance, Insurance, And Real Estate                                  | 0          | 131           | 44              | 53              | 53               | 20             | 4,837   | 5,138  |
| I - Services                                                             | 0          | 218           | 94              | 90              | 102              | 30             | 11,823  | 12,357 |
| J - Public Administration                                                | 0          | 0             | 0               | 0               | 0                | 0              | 7       | 7      |
| N/A                                                                      | 0          | 1             | 2               | 3               | 0                | 0              | 121     | 127    |
| Unclassified                                                             | 0          | 0             | 0               | 0               | 0                | 0              | 0       | 0      |
| Total                                                                    | 0          | 2,417         | 1,243           | 1,532           | 1,479            | 467            | 62,755  | 69,893 |

| Iceland                                                                  |            |               |                 |                 |                  |                |         |        |
|--------------------------------------------------------------------------|------------|---------------|-----------------|-----------------|------------------|----------------|---------|--------|
| Main Industry / Services                                                 | SIZE CLASS |               |                 |                 |                  |                |         | Total  |
|                                                                          | 0 Employee | 1-9 Employees | 10-19 Employees | 20-49 Employees | 50-249 Employees | 250+ Employees | Unknown |        |
| A - Agriculture, Forestry, And Fishing                                   | 0          | 156           | 15              | 8               | 3                | 1              | 1,067   | 1,250  |
| B - Mining                                                               | 0          | 0             | 1               | 0               | 0                | 0              | 9       | 10     |
| C - Construction                                                         | 0          | 467           | 73              | 25              | 12               | 1              | 1,836   | 2,414  |
| D - Manufacturing                                                        | 0          | 238           | 48              | 18              | 16               | 11             | 1,170   | 1,501  |
| E - Transportation, Communications, Electric, Gas, And Sanitary Services | 0          | 115           | 12              | 8               | 2                | 3              | 553     | 693    |
| F - Wholesale Trade                                                      | 0          | 216           | 16              | 8               | 3                | 0              | 1,295   | 1,538  |
| G - Retail Trade                                                         | 0          | 238           | 31              | 28              | 6                | 1              | 1,253   | 1,557  |
| H - Finance, Insurance, And Real Estate                                  | 0          | 137           | 8               | 6               | 9                | 3              | 3,545   | 3,708  |
| I - Services                                                             | 0          | 774           | 44              | 25              | 6                | 2              | 3,625   | 4,476  |
| J - Public Administration                                                | 0          | 0             | 0               | 0               | 0                | 0              | 9       | 9      |
| N/A                                                                      | 0          | 4             | 0               | 0               | 0                | 0              | 317     | 321    |
| Unclassified                                                             | 0          | 0             | 0               | 0               | 0                | 0              | 0       | 0      |
| Total                                                                    | 0          | 2,345         | 248             | 126             | 57               | 22             | 14,679  | 17,477 |

| Ireland                                                                  |            |               |                 |                 |                  |                |         |         |
|--------------------------------------------------------------------------|------------|---------------|-----------------|-----------------|------------------|----------------|---------|---------|
| Main Industry / Services                                                 | SIZE CLASS |               |                 |                 |                  |                |         | Total   |
|                                                                          | 0 Employee | 1-9 Employees | 10-19 Employees | 20-49 Employees | 50-249 Employees | 250+ Employees | Unknown |         |
| A - Agriculture, Forestry, And Fishing                                   | 0          | 111           | 53              | 36              | 28               | 6              | 1,401   | 1,635   |
| B - Mining                                                               | 0          | 48            | 14              | 18              | 14               | 8              | 326     | 428     |
| C - Construction                                                         | 0          | 943           | 379             | 323             | 159              | 21             | 13,109  | 14,934  |
| D - Manufacturing                                                        | 0          | 1,225         | 729             | 752             | 577              | 126            | 6,197   | 9,606   |
| E - Transportation, Communications, Electric, Gas, And Sanitary Services | 0          | 410           | 193             | 189             | 106              | 26             | 3,775   | 4,699   |
| F - Wholesale Trade                                                      | 0          | 1,295         | 486             | 385             | 161              | 30             | 3,370   | 5,727   |
| G - Retail Trade                                                         | 0          | 1,219         | 313             | 208             | 106              | 18             | 4,746   | 6,610   |
| H - Finance, Insurance, And Real Estate                                  | 0          | 444           | 162             | 152             | 134              | 64             | 19,135  | 20,091  |
| I - Services                                                             | 0          | 1,917         | 678             | 581             | 404              | 81             | 31,142  | 34,803  |
| J - Public Administration                                                | 0          | 38            | 10              | 11              | 11               | 3              | 400     | 473     |
| N/A                                                                      | 0          | 1,505         | 793             | 703             | 445              | 106            | 9,996   | 13,548  |
| Unclassified                                                             | 0          | 0             | 0               | 0               | 0                | 0              | 0       | 0       |
| Total                                                                    | 0          | 9,155         | 3,810           | 3,358           | 2,145            | 489            | 93,597  | 112,554 |

| Italy                                                                    |            |               |                 |                 |                  |                |         |         |
|--------------------------------------------------------------------------|------------|---------------|-----------------|-----------------|------------------|----------------|---------|---------|
| Main Industry / Services                                                 | SIZE CLASS |               |                 |                 |                  |                |         | Total   |
|                                                                          | 0 Employee | 1-9 Employees | 10-19 Employees | 20-49 Employees | 50-249 Employees | 250+ Employees | Unknown |         |
| A - Agriculture, Forestry, And Fishing                                   | 0          | 2,094         | 635             | 461             | 276              | 33             | 5,539   | 9,038   |
| B - Mining                                                               | 0          | 399           | 237             | 165             | 66               | 8              | 798     | 1,673   |
| C - Construction                                                         | 0          | 15,649        | 4,978           | 2,959           | 1,191            | 135            | 48,503  | 73,415  |
| D - Manufacturing                                                        | 0          | 23,621        | 13,836          | 13,610          | 8,309            | 1,433          | 50,866  | 111,675 |
| E - Transportation, Communications, Electric, Gas, And Sanitary Services | 0          | 7,493         | 2,765           | 2,266           | 1,631            | 425            | 14,423  | 29,003  |
| F - Wholesale Trade                                                      | 0          | 20,330        | 5,090           | 3,297           | 1,376            | 232            | 42,552  | 72,877  |
| G - Retail Trade                                                         | 0          | 14,437        | 2,874           | 1,673           | 913              | 215            | 31,971  | 52,083  |
| H - Finance, Insurance, And Real Estate                                  | 0          | 7,163         | 878             | 599             | 748              | 602            | 55,566  | 65,556  |
| I - Services                                                             | 0          | 25,306        | 6,631           | 4,886           | 3,374            | 759            | 57,535  | 98,491  |
| J - Public Administration                                                | 0          | 17            | 4               | 0               | 3                | 0              | 18      | 42      |
| N/A                                                                      | 0          | 6,230         | 971             | 492             | 309              | 87             | 35,543  | 43,632  |
| Unclassified                                                             | 0          | 0             | 0               | 0               | 0                | 0              | 0       | 0       |
| Total                                                                    | 0          | 122,739       | 38,899          | 30,408          | 18,196           | 3,929          | 343,314 | 557,485 |

| Japan                                                                    |            |               |                 |                 |                  |                |         |         |
|--------------------------------------------------------------------------|------------|---------------|-----------------|-----------------|------------------|----------------|---------|---------|
| Main Industry / Services                                                 | SIZE CLASS |               |                 |                 |                  |                |         | Total   |
|                                                                          | 0 Employee | 1-9 Employees | 10-19 Employees | 20-49 Employees | 50-249 Employees | 250+ Employees | Unknown |         |
| A - Agriculture, Forestry, And Fishing                                   | 62         | 1,314         | 323             | 172             | 64               | 9              | 0       | 1,944   |
| B - Mining                                                               | 3          | 53            | 51              | 71              | 40               | 13             | 0       | 231     |
| C - Construction                                                         | 1,604      | 28,212        | 10,128          | 6,546           | 2,636            | 490            | 1       | 49,617  |
| D - Manufacturing                                                        | 584        | 8,144         | 4,209           | 5,990           | 6,703            | 2,550          | 1       | 28,181  |
| E - Transportation, Communications, Electric, Gas, And Sanitary Services | 78         | 756           | 834             | 1,450           | 1,671            | 558            | 1       | 5,348   |
| F - Wholesale Trade                                                      | 750        | 8,838         | 5,248           | 5,888           | 4,292            | 762            | 0       | 25,778  |
| G - Retail Trade                                                         | 234        | 1,852         | 1,049           | 1,372           | 1,370            | 672            | 0       | 6,549   |
| H - Finance, Insurance, And Real Estate                                  | 454        | 2,597         | 814             | 775             | 793              | 490            | 195     | 6,118   |
| I - Services                                                             | 703        | 10,968        | 6,131           | 5,227           | 3,308            | 1,205          | 1       | 27,543  |
| J - Public Administration                                                | 0          | 0             | 0               | 0               | 2                | 1              | 0       | 3       |
| N/A                                                                      | 0          | 0             | 0               | 2               | 0                | 0              | 0       | 2       |
| Unclassified                                                             | 0          | 0             | 0               | 0               | 0                | 0              | 0       | 0       |
| Total                                                                    | 4,472      | 62,734        | 28,787          | 27,493          | 20,879           | 6,750          | 199     | 151,314 |

| Korea Rep. Of                                                            |            | SIZE CLASS    |                 |                 |                  |                |              |               |
|--------------------------------------------------------------------------|------------|---------------|-----------------|-----------------|------------------|----------------|--------------|---------------|
| Main Industry / Services                                                 | 0 Employee | 1-9 Employees | 10-19 Employees | 20-49 Employees | 50-249 Employees | 250+ Employees | Unknown      | Total         |
| A - Agriculture, Forestry, And Fishing                                   | 0          | 15            | 78              | 235             | 90               | 5              | 78           | 501           |
| B - Mining                                                               | 0          | 3             | 2               | 14              | 13               | 4              | 6            | 42            |
| C - Construction                                                         | 0          | 277           | 229             | 459             | 320              | 39             | 424          | 1,748         |
| D - Manufacturing                                                        | 0          | 108           | 275             | 1,778           | 3,936            | 576            | 1,589        | 8,262         |
| E - Transportation, Communications, Electric, Gas, And Sanitary Services | 0          | 67            | 79              | 210             | 388              | 128            | 176          | 1,048         |
| F - Wholesale Trade                                                      | 0          | 398           | 466             | 580             | 392              | 45             | 537          | 2,418         |
| G - Retail Trade                                                         | 0          | 27            | 25              | 66              | 151              | 50             | 98           | 417           |
| H - Finance, Insurance, And Real Estate                                  | 0          | 765           | 236             | 119             | 58               | 53             | 549          | 1,780         |
| I - Services                                                             | 0          | 72            | 62              | 223             | 760              | 436            | 361          | 1,914         |
| J - Public Administration                                                | 0          | 0             | 0               | 2               | 1                | 2              | 5            | 10            |
| N/A                                                                      | 0          | 25            | 46              | 86              | 41               | 8              | 59           | 265           |
| Unclassified                                                             | 0          | 0             | 0               | 0               | 0                | 0              | 0            | 0             |
| <b>Total</b>                                                             | <b>0</b>   | <b>1,757</b>  | <b>1,498</b>    | <b>3,772</b>    | <b>6,150</b>     | <b>1,346</b>   | <b>3,882</b> | <b>18,405</b> |

| Luxembourg                                                               |            | SIZE CLASS    |                 |                 |                  |                |              |              |
|--------------------------------------------------------------------------|------------|---------------|-----------------|-----------------|------------------|----------------|--------------|--------------|
| Main Industry / Services                                                 | 0 Employee | 1-9 Employees | 10-19 Employees | 20-49 Employees | 50-249 Employees | 250+ Employees | Unknown      | Total        |
| A - Agriculture, Forestry, And Fishing                                   | 0          | 14            | 2               | 2               | 0                | 1              | 28           | 47           |
| B - Mining                                                               | 0          | 1             | 0               | 0               | 0                | 0              | 5            | 6            |
| C - Construction                                                         | 0          | 118           | 41              | 24              | 10               | 0              | 538          | 731          |
| D - Manufacturing                                                        | 0          | 33            | 7               | 12              | 2                | 5              | 259          | 318          |
| E - Transportation, Communications, Electric, Gas, And Sanitary Services | 0          | 41            | 10              | 13              | 11               | 6              | 200          | 281          |
| F - Wholesale Trade                                                      | 0          | 154           | 21              | 22              | 12               | 4              | 564          | 777          |
| G - Retail Trade                                                         | 0          | 208           | 32              | 13              | 4                | 1              | 526          | 784          |
| H - Finance, Insurance, And Real Estate                                  | 0          | 88            | 23              | 36              | 61               | 35             | 360          | 603          |
| I - Services                                                             | 0          | 162           | 33              | 32              | 15               | 4              | 419          | 665          |
| J - Public Administration                                                | 0          | 0             | 0               | 0               | 0                | 0              | 0            | 0            |
| N/A                                                                      | 0          | 2             | 1               | 0               | 0                | 0              | 1,133        | 1,136        |
| Unclassified                                                             | 0          | 0             | 0               | 0               | 0                | 0              | 0            | 0            |
| <b>Total</b>                                                             | <b>0</b>   | <b>821</b>    | <b>170</b>      | <b>154</b>      | <b>115</b>       | <b>56</b>      | <b>4,032</b> | <b>5,348</b> |

| Mexico                                                                   |            | SIZE CLASS     |                 |                 |                  |                |              |                |
|--------------------------------------------------------------------------|------------|----------------|-----------------|-----------------|------------------|----------------|--------------|----------------|
| Main Industry / Services                                                 | 0 Employee | 1-9 Employees  | 10-19 Employees | 20-49 Employees | 50-249 Employees | 250+ Employees | Unknown      | Total          |
| A - Agriculture, Forestry, And Fishing                                   | 0          | 1,256          | 160             | 163             | 133              | 45             | 13           | 1,770          |
| B - Mining                                                               | 0          | 70             | 42              | 41              | 45               | 38             | 9            | 245            |
| C - Construction                                                         | 0          | 5,927          | 1,343           | 1,018           | 700              | 124            | 64           | 9,176          |
| D - Manufacturing                                                        | 0          | 12,449         | 5,405           | 5,783           | 4,745            | 1,832          | 280          | 30,494         |
| E - Transportation, Communications, Electric, Gas, And Sanitary Services | 0          | 5,712          | 1,303           | 898             | 750              | 260            | 79           | 9,002          |
| F - Wholesale Trade                                                      | 0          | 26,798         | 5,215           | 3,852           | 2,136            | 468            | 248          | 38,717         |
| G - Retail Trade                                                         | 0          | 63,686         | 8,367           | 4,440           | 2,391            | 889            | 117          | 79,890         |
| H - Finance, Insurance, And Real Estate                                  | 0          | 3,837          | 348             | 253             | 438              | 381            | 281          | 5,538          |
| I - Services                                                             | 0          | 35,435         | 7,927           | 4,833           | 3,395            | 803            | 178          | 52,571         |
| J - Public Administration                                                | 0          | 0              | 0               | 0               | 0                | 0              | 1            | 1              |
| N/A                                                                      | 0          | 0              | 0               | 0               | 0                | 0              | 0            | 0              |
| Unclassified                                                             | 0          | 18             | 20              | 10              | 11               | 2              | 1            | 62             |
| <b>Total</b>                                                             | <b>0</b>   | <b>155,188</b> | <b>30,130</b>   | <b>21,291</b>   | <b>14,744</b>    | <b>4,842</b>   | <b>1,271</b> | <b>227,466</b> |

| Netherlands                                                              |            | SIZE CLASS     |                 |                 |                  |                |                |                |
|--------------------------------------------------------------------------|------------|----------------|-----------------|-----------------|------------------|----------------|----------------|----------------|
| Main Industry / Services                                                 | 0 Employee | 1-9 Employees  | 10-19 Employees | 20-49 Employees | 50-249 Employees | 250+ Employees | Unknown        | Total          |
| A - Agriculture, Forestry, And Fishing                                   | 0          | 3,448          | 659             | 391             | 101              | 18             | 1,507          | 6,124          |
| B - Mining                                                               | 0          | 124            | 27              | 17              | 18               | 17             | 169            | 372            |
| C - Construction                                                         | 0          | 7,682          | 3,083           | 2,300           | 908              | 154            | 3,281          | 17,408         |
| D - Manufacturing                                                        | 0          | 8,767          | 3,142           | 2,793           | 1,441            | 491            | 4,538          | 21,172         |
| E - Transportation, Communications, Electric, Gas, And Sanitary Services | 0          | 5,860          | 1,431           | 1,318           | 778              | 192            | 4,019          | 13,598         |
| F - Wholesale Trade                                                      | 0          | 22,706         | 4,408           | 2,532           | 1,051            | 252            | 10,060         | 41,009         |
| G - Retail Trade                                                         | 0          | 13,806         | 2,820           | 1,348           | 575              | 104            | 3,224          | 21,877         |
| H - Finance, Insurance, And Real Estate                                  | 1          | 87,954         | 2,275           | 1,302           | 560              | 141            | 114,931        | 207,164        |
| I - Services                                                             | 0          | 45,939         | 5,230           | 3,566           | 1,596            | 493            | 20,753         | 77,577         |
| J - Public Administration                                                | 0          | 6              | 1               | 1               | 0                | 2              | 6              | 16             |
| N/A                                                                      | 0          | 523            | 50              | 60              | 36               | 11             | 110            | 790            |
| Unclassified                                                             | 0          | 0              | 0               | 0               | 0                | 0              | 0              | 0              |
| <b>Total</b>                                                             | <b>1</b>   | <b>196,815</b> | <b>23,126</b>   | <b>15,628</b>   | <b>7,064</b>     | <b>1,875</b>   | <b>162,598</b> | <b>407,107</b> |

| Norway                                                                   |            | SIZE CLASS    |                 |                 |                  |                |               |                |
|--------------------------------------------------------------------------|------------|---------------|-----------------|-----------------|------------------|----------------|---------------|----------------|
| Main Industry / Services                                                 | 0 Employee | 1-9 Employees | 10-19 Employees | 20-49 Employees | 50-249 Employees | 250+ Employees | Unknown       | Total          |
| A - Agriculture, Forestry, And Fishing                                   | 0          | 1,265         | 199             | 61              | 25               | 6              | 1,627         | 3,183          |
| B - Mining                                                               | 0          | 249           | 60              | 62              | 41               | 28             | 486           | 926            |
| C - Construction                                                         | 0          | 8,088         | 1,942           | 1,027           | 250              | 34             | 2,120         | 13,461         |
| D - Manufacturing                                                        | 0          | 5,402         | 1,533           | 1,246           | 730              | 158            | 2,994         | 12,063         |
| E - Transportation, Communications, Electric, Gas, And Sanitary Services | 0          | 3,776         | 718             | 531             | 280              | 92             | 4,386         | 9,783          |
| F - Wholesale Trade                                                      | 0          | 8,381         | 1,345           | 786             | 269              | 45             | 5,012         | 15,838         |
| G - Retail Trade                                                         | 0          | 11,238        | 3,064           | 1,160           | 293              | 76             | 4,225         | 20,056         |
| H - Finance, Insurance, And Real Estate                                  | 0          | 6,705         | 310             | 148             | 75               | 27             | 57,135        | 64,400         |
| I - Services                                                             | 0          | 21,078        | 2,755           | 1,618           | 722              | 114            | 14,623        | 40,910         |
| J - Public Administration                                                | 0          | 0             | 0               | 0               | 1                | 0              | 0             | 1              |
| N/A                                                                      | 0          | 301           | 83              | 103             | 70               | 10             | 404           | 971            |
| Unclassified                                                             | 0          | 0             | 0               | 0               | 0                | 0              | 0             | 0              |
| <b>Total</b>                                                             | <b>0</b>   | <b>66,483</b> | <b>12,009</b>   | <b>6,742</b>    | <b>2,756</b>     | <b>590</b>     | <b>93,012</b> | <b>181,592</b> |

## STD/DOC(2010)1

| New Zealand                                                              |            |               |                 |                 |                  |                |         |       |
|--------------------------------------------------------------------------|------------|---------------|-----------------|-----------------|------------------|----------------|---------|-------|
| Main Industry / Services                                                 | SIZE CLASS |               |                 |                 |                  |                |         | Total |
|                                                                          | 0 Employee | 1-9 Employees | 10-19 Employees | 20-49 Employees | 50-249 Employees | 250+ Employees | Unknown |       |
| A - Agriculture, Forestry, And Fishing                                   | 0          | 0             | 0               | 0               | 0                | 0              | 10      | 10    |
| B - Mining                                                               | 0          | 0             | 0               | 0               | 0                | 0              | 4       | 4     |
| C - Construction                                                         | 0          | 0             | 0               | 0               | 0                | 0              | 3       | 3     |
| D - Manufacturing                                                        | 0          | 1             | 0               | 0               | 0                | 7              | 45      | 53    |
| E - Transportation, Communications, Electric, Gas, And Sanitary Services | 0          | 0             | 0               | 0               | 2                | 4              | 31      | 37    |
| F - Wholesale Trade                                                      | 0          | 0             | 0               | 0               | 0                | 1              | 9       | 10    |
| G - Retail Trade                                                         | 0          | 0             | 1               | 0               | 0                | 0              | 14      | 15    |
| H - Finance, Insurance, And Real Estate                                  | 0          | 0             | 0               | 1               | 1                | 2              | 62      | 66    |
| I - Services                                                             | 0          | 0             | 1               | 0               | 1                | 1              | 26      | 29    |
| J - Public Administration                                                | 0          | 0             | 0               | 0               | 0                | 1              | 0       | 1     |
| N/A                                                                      | 0          | 0             | 0               | 0               | 0                | 0              | 0       | 0     |
| Unclassified                                                             | 0          | 0             | 0               | 0               | 0                | 0              | 0       | 0     |
| Total                                                                    | 0          | 1             | 2               | 1               | 4                | 16             | 204     | 228   |

| Poland                                                                   |            |               |                 |                 |                  |                |         |        |
|--------------------------------------------------------------------------|------------|---------------|-----------------|-----------------|------------------|----------------|---------|--------|
| Main Industry / Services                                                 | SIZE CLASS |               |                 |                 |                  |                |         | Total  |
|                                                                          | 0 Employee | 1-9 Employees | 10-19 Employees | 20-49 Employees | 50-249 Employees | 250+ Employees | Unknown |        |
| A - Agriculture, Forestry, And Fishing                                   | 0          | 179           | 145             | 182             | 167              | 28             | 1,041   | 1,742  |
| B - Mining                                                               | 0          | 22            | 16              | 28              | 75               | 31             | 166     | 338    |
| C - Construction                                                         | 0          | 411           | 393             | 572             | 904              | 157            | 2,374   | 4,811  |
| D - Manufacturing                                                        | 0          | 873           | 935             | 1,750           | 3,556            | 1,289          | 5,984   | 14,387 |
| E - Transportation, Communications, Electric, Gas, And Sanitary Services | 0          | 341           | 293             | 463             | 982              | 333            | 1,506   | 3,918  |
| F - Wholesale Trade                                                      | 0          | 1,657         | 1,373           | 1,514           | 1,256            | 170            | 4,557   | 10,527 |
| G - Retail Trade                                                         | 0          | 367           | 380             | 455             | 450              | 128            | 1,730   | 3,510  |
| H - Finance, Insurance, And Real Estate                                  | 0          | 427           | 215             | 252             | 468              | 78             | 1,730   | 3,170  |
| I - Services                                                             | 0          | 741           | 579             | 636             | 896              | 680            | 4,377   | 7,909  |
| J - Public Administration                                                | 0          | 0             | 1               | 0               | 6                | 1              | 14      | 22     |
| N/A                                                                      | 0          | 35            | 29              | 16              | 9                | 3              | 212     | 304    |
| Unclassified                                                             | 0          | 0             | 0               | 0               | 0                | 0              | 0       | 0      |
| Total                                                                    | 0          | 5,053         | 4,359           | 5,868           | 8,769            | 2,898          | 23,691  | 50,638 |

| Portugal                                                                 |            |               |                 |                 |                  |                |         |         |
|--------------------------------------------------------------------------|------------|---------------|-----------------|-----------------|------------------|----------------|---------|---------|
| Main Industry / Services                                                 | SIZE CLASS |               |                 |                 |                  |                |         | Total   |
|                                                                          | 0 Employee | 1-9 Employees | 10-19 Employees | 20-49 Employees | 50-249 Employees | 250+ Employees | Unknown |         |
| A - Agriculture, Forestry, And Fishing                                   | 0          | 5,258         | 529             | 276             | 73               | 5              | 1,765   | 7,906   |
| B - Mining                                                               | 0          | 448           | 152             | 110             | 38               | 3              | 159     | 910     |
| C - Construction                                                         | 0          | 24,155        | 4,504           | 2,065           | 664              | 72             | 6,305   | 37,765  |
| D - Manufacturing                                                        | 1          | 20,388        | 5,976           | 4,346           | 2,086            | 258            | 3,178   | 36,233  |
| E - Transportation, Communications, Electric, Gas, And Sanitary Services | 2          | 15,401        | 1,039           | 627             | 298              | 77             | 2,353   | 19,797  |
| F - Wholesale Trade                                                      | 0          | 26,459        | 3,254           | 1,705           | 542              | 56             | 5,764   | 37,780  |
| G - Retail Trade                                                         | 1          | 49,542        | 3,740           | 1,388           | 385              | 58             | 5,925   | 61,039  |
| H - Finance, Insurance, And Real Estate                                  | 2          | 11,518        | 387             | 175             | 117              | 107            | 11,694  | 24,000  |
| I - Services                                                             | 3          | 46,924        | 3,465           | 1,599           | 801              | 221            | 12,757  | 65,770  |
| J - Public Administration                                                | 0          | 19            | 6               | 3               | 4                | 4              | 46      | 82      |
| N/A                                                                      | 0          | 0             | 0               | 0               | 0                | 0              | 1       | 1       |
| Unclassified                                                             | 0          | 0             | 0               | 0               | 0                | 0              | 0       | 0       |
| Total                                                                    | 9          | 200,112       | 23,052          | 12,294          | 5,008            | 861            | 49,947  | 291,283 |

| Slovakia                                                                 |            |               |                 |                 |                  |                |         |       |
|--------------------------------------------------------------------------|------------|---------------|-----------------|-----------------|------------------|----------------|---------|-------|
| Main Industry / Services                                                 | SIZE CLASS |               |                 |                 |                  |                |         | Total |
|                                                                          | 0 Employee | 1-9 Employees | 10-19 Employees | 20-49 Employees | 50-249 Employees | 250+ Employees | Unknown |       |
| A - Agriculture, Forestry, And Fishing                                   | 0          | 17            | 32              | 135             | 261              | 4              | 12      | 461   |
| B - Mining                                                               | 0          | 2             | 3               | 10              | 11               | 3              | 2       | 31    |
| C - Construction                                                         | 0          | 113           | 136             | 129             | 130              | 21             | 22      | 551   |
| D - Manufacturing                                                        | 0          | 155           | 196             | 304             | 583              | 190            | 43      | 1,471 |
| E - Transportation, Communications, Electric, Gas, And Sanitary Services | 0          | 134           | 83              | 105             | 135              | 40             | 23      | 520   |
| F - Wholesale Trade                                                      | 0          | 764           | 392             | 197             | 132              | 15             | 150     | 1,650 |
| G - Retail Trade                                                         | 0          | 319           | 126             | 45              | 54               | 36             | 85      | 665   |
| H - Finance, Insurance, And Real Estate                                  | 0          | 176           | 60              | 49              | 44               | 14             | 153     | 496   |
| I - Services                                                             | 0          | 488           | 213             | 148             | 176              | 38             | 214     | 1,277 |
| J - Public Administration                                                | 0          | 0             | 0               | 0               | 0                | 0              | 0       | 0     |
| N/A                                                                      | 0          | 0             | 0               | 0               | 0                | 0              | 0       | 0     |
| Unclassified                                                             | 0          | 0             | 0               | 0               | 0                | 0              | 0       | 0     |
| Total                                                                    | 0          | 2,168         | 1,241           | 1,122           | 1,526            | 361            | 704     | 7,122 |

| Spain                                                                    |            |               |                 |                 |                  |                |         |         |
|--------------------------------------------------------------------------|------------|---------------|-----------------|-----------------|------------------|----------------|---------|---------|
| Main Industry / Services                                                 | SIZE CLASS |               |                 |                 |                  |                |         | Total   |
|                                                                          | 0 Employee | 1-9 Employees | 10-19 Employees | 20-49 Employees | 50-249 Employees | 250+ Employees | Unknown |         |
| A - Agriculture, Forestry, And Fishing                                   | 11         | 8,436         | 1,476           | 916             | 278              | 41             | 3,762   | 14,920  |
| B - Mining                                                               | 1          | 1,000         | 406             | 341             | 119              | 21             | 426     | 2,314   |
| C - Construction                                                         | 68         | 51,563        | 15,955          | 9,581           | 2,924            | 288            | 16,671  | 97,050  |
| D - Manufacturing                                                        | 28         | 41,953        | 15,380          | 11,609          | 4,692            | 907            | 10,311  | 84,880  |
| E - Transportation, Communications, Electric, Gas, And Sanitary Services | 22         | 16,362        | 4,343           | 2,975           | 1,196            | 329            | 6,783   | 32,010  |
| F - Wholesale Trade                                                      | 48         | 48,078        | 10,186          | 6,156           | 2,248            | 313            | 14,652  | 81,681  |
| G - Retail Trade                                                         | 47         | 53,087        | 9,325           | 4,221           | 977              | 223            | 12,610  | 80,490  |
| H - Finance, Insurance, And Real Estate                                  | 67         | 42,049        | 2,546           | 1,331           | 606              | 351            | 60,651  | 107,601 |
| I - Services                                                             | 68         | 68,104        | 12,369          | 8,099           | 3,880            | 1,010          | 26,217  | 119,747 |
| J - Public Administration                                                | 0          | 93            | 32              | 26              | 24               | 1              | 47      | 223     |
| N/A                                                                      | 0          | 1,160         | 257             | 169             | 64               | 21             | 1,250   | 2,921   |
| Unclassified                                                             | 0          | 0             | 0               | 0               | 0                | 0              | 0       | 0       |
| Total                                                                    | 360        | 331,885       | 72,275          | 45,424          | 17,008           | 3,505          | 153,380 | 623,837 |

| Sweden                                                                   |            |               |                 |                 |                  |                |         |         |
|--------------------------------------------------------------------------|------------|---------------|-----------------|-----------------|------------------|----------------|---------|---------|
| Main Industry / Services                                                 | SIZE CLASS |               |                 |                 |                  |                |         | Total   |
|                                                                          | 0 Employee | 1-9 Employees | 10-19 Employees | 20-49 Employees | 50-249 Employees | 250+ Employees | Unknown |         |
| A - Agriculture, Forestry, And Fishing                                   | 0          | 4,992         | 243             | 96              | 35               | 7              | 1,325   | 6,698   |
| B - Mining                                                               | 0          | 210           | 35              | 21              | 12               | 7              | 111     | 396     |
| C - Construction                                                         | 0          | 17,598        | 2,220           | 1,124           | 315              | 50             | 2,139   | 23,446  |
| D - Manufacturing                                                        | 0          | 14,778        | 2,826           | 2,161           | 1,357            | 421            | 3,229   | 24,772  |
| E - Transportation, Communications, Electric, Gas, And Sanitary Services | 0          | 9,781         | 1,381           | 824             | 498              | 125            | 2,260   | 14,869  |
| F - Wholesale Trade                                                      | 0          | 16,534        | 2,101           | 1,375           | 641              | 109            | 5,399   | 26,159  |
| G - Retail Trade                                                         | 0          | 20,083        | 2,087           | 912             | 276              | 60             | 3,272   | 26,690  |
| H - Finance, Insurance, And Real Estate                                  | 0          | 9,472         | 1,160           | 1,092           | 825              | 312            | 17,357  | 30,218  |
| I - Services                                                             | 0          | 57,549        | 3,915           | 2,652           | 1,392            | 309            | 18,902  | 84,719  |
| J - Public Administration                                                | 0          | 9             | 3               | 2               | 1                | 0              | 6       | 21      |
| N/A                                                                      | 0          | 3,221         | 834             | 746             | 430              | 119            | 13,358  | 18,708  |
| Unclassified                                                             | 0          | 0             | 0               | 0               | 0                | 0              | 0       | 0       |
| Total                                                                    | 0          | 154,227       | 16,805          | 11,005          | 5,782            | 1,519          | 67,358  | 256,696 |

| Switzerland                                                              |            |               |                 |                 |                  |                |              |               |
|--------------------------------------------------------------------------|------------|---------------|-----------------|-----------------|------------------|----------------|--------------|---------------|
| Main Industry / Services                                                 | SIZE CLASS |               |                 |                 |                  |                |              | Total         |
|                                                                          | 0 Employee | 1-9 Employees | 10-19 Employees | 20-49 Employees | 50-249 Employees | 250+ Employees | Unknown      |               |
| A - Agriculture, Forestry, And Fishing                                   | 0          | 60            | 33              | 17              | 14               | 2              | 68           | 194           |
| B - Mining                                                               | 0          | 28            | 16              | 25              | 22               | 2              | 39           | 132           |
| C - Construction                                                         | 0          | 935           | 515             | 412             | 322              | 60             | 634          | 2,878         |
| D - Manufacturing                                                        | 0          | 2,020         | 1,169           | 1,425           | 1,675            | 547            | 883          | 7,719         |
| E - Transportation, Communications, Electric, Gas, And Sanitary Services | 0          | 351           | 198             | 256             | 258              | 123            | 374          | 1,560         |
| F - Wholesale Trade                                                      | 0          | 2,301         | 887             | 776             | 431              | 82             | 1,173        | 5,650         |
| G - Retail Trade                                                         | 0          | 1,086         | 319             | 205             | 151              | 88             | 506          | 2,355         |
| H - Finance, Insurance, And Real Estate                                  | 0          | 1,479         | 394             | 331             | 318              | 403            | 1,654        | 4,579         |
| I - Services                                                             | 0          | 4,446         | 1,278           | 951             | 727              | 299            | 1,323        | 9,024         |
| J - Public Administration                                                | 0          | 4             | 2               | 1               | 3                | 4              | 0            | 14            |
| N/A                                                                      | 0          | 269           | 68              | 46              | 16               | 4              | 180          | 583           |
| Unclassified                                                             | 0          | 0             | 0               | 0               | 0                | 0              | 0            | 0             |
| <b>Total</b>                                                             | <b>0</b>   | <b>12,979</b> | <b>4,879</b>    | <b>4,445</b>    | <b>3,937</b>     | <b>1,614</b>   | <b>6,834</b> | <b>34,688</b> |

| Turkey                                                                   |            |               |                 |                 |                  |                |            |            |
|--------------------------------------------------------------------------|------------|---------------|-----------------|-----------------|------------------|----------------|------------|------------|
| Main Industry / Services                                                 | SIZE CLASS |               |                 |                 |                  |                |            | Total      |
|                                                                          | 0 Employee | 1-9 Employees | 10-19 Employees | 20-49 Employees | 50-249 Employees | 250+ Employees | Unknown    |            |
| A - Agriculture, Forestry, And Fishing                                   | 0          | 0             | 0               | 0               | 0                | 0              | 0          | 0          |
| B - Mining                                                               | 0          | 0             | 0               | 0               | 0                | 0              | 1          | 1          |
| C - Construction                                                         | 0          | 0             | 0               | 0               | 1                | 0              | 5          | 6          |
| D - Manufacturing                                                        | 0          | 0             | 0               | 1               | 4                | 25             | 72         | 102        |
| E - Transportation, Communications, Electric, Gas, And Sanitary Services | 0          | 0             | 0               | 0               | 0                | 2              | 4          | 6          |
| F - Wholesale Trade                                                      | 0          | 0             | 0               | 0               | 0                | 0              | 5          | 5          |
| G - Retail Trade                                                         | 0          | 0             | 0               | 0               | 0                | 4              | 2          | 6          |
| H - Finance, Insurance, And Real Estate                                  | 1          | 1             | 1               | 4               | 7                | 23             | 80         | 116        |
| I - Services                                                             | 0          | 0             | 0               | 0               | 0                | 3              | 2          | 5          |
| J - Public Administration                                                | 0          | 0             | 0               | 0               | 0                | 0              | 0          | 0          |
| N/A                                                                      | 0          | 0             | 0               | 0               | 0                | 0              | 2          | 2          |
| Unclassified                                                             | 0          | 0             | 0               | 0               | 0                | 0              | 0          | 0          |
| <b>Total</b>                                                             | <b>0</b>   | <b>1</b>      | <b>1</b>        | <b>5</b>        | <b>12</b>        | <b>57</b>      | <b>173</b> | <b>249</b> |

| United Kingdom                                                           |            |               |                 |                 |                  |                |                  |                  |
|--------------------------------------------------------------------------|------------|---------------|-----------------|-----------------|------------------|----------------|------------------|------------------|
| Main Industry / Services                                                 | SIZE CLASS |               |                 |                 |                  |                |                  | Total            |
|                                                                          | 0 Employee | 1-9 Employees | 10-19 Employees | 20-49 Employees | 50-249 Employees | 250+ Employees | Unknown          |                  |
| A - Agriculture, Forestry, And Fishing                                   | 0          | 330           | 88              | 104             | 188              | 64             | 16,649           | 17,423           |
| B - Mining                                                               | 0          | 235           | 67              | 96              | 154              | 110            | 3,601            | 4,263            |
| C - Construction                                                         | 0          | 1,779         | 367             | 732             | 1,941            | 522            | 133,421          | 138,762          |
| D - Manufacturing                                                        | 0          | 1,759         | 810             | 1,969           | 5,822            | 2,237          | 86,896           | 99,493           |
| E - Transportation, Communications, Electric, Gas, And Sanitary Services | 0          | 1,272         | 499             | 779             | 1,433            | 804            | 58,332           | 63,119           |
| F - Wholesale Trade                                                      | 0          | 1,985         | 1,051           | 2,077           | 2,848            | 764            | 70,056           | 78,781           |
| G - Retail Trade                                                         | 0          | 1,185         | 347             | 491             | 1,115            | 762            | 94,219           | 98,119           |
| H - Finance, Insurance, And Real Estate                                  | 5          | 7,446         | 1,588           | 1,571           | 2,130            | 1,365          | 239,272          | 253,377          |
| I - Services                                                             | 0          | 16,889        | 4,891           | 5,856           | 7,757            | 2,762          | 728,919          | 767,074          |
| J - Public Administration                                                | 0          | 107           | 53              | 50              | 54               | 31             | 2,981            | 3,276            |
| N/A                                                                      | 0          | 2,595         | 314             | 292             | 411              | 215            | 204,530          | 208,357          |
| Unclassified                                                             | 0          | 0             | 0               | 0               | 0                | 0              | 0                | 0                |
| <b>Total</b>                                                             | <b>5</b>   | <b>35,582</b> | <b>10,075</b>   | <b>14,017</b>   | <b>23,853</b>    | <b>9,636</b>   | <b>1,638,876</b> | <b>1,732,044</b> |

| United States of America                                                 |            |                  |                 |                 |                  |                |               |                  |
|--------------------------------------------------------------------------|------------|------------------|-----------------|-----------------|------------------|----------------|---------------|------------------|
| Main Industry / Services                                                 | SIZE CLASS |                  |                 |                 |                  |                |               | Total            |
|                                                                          | 0 Employee | 1-9 Employees    | 10-19 Employees | 20-49 Employees | 50-249 Employees | 250+ Employees | Unknown       |                  |
| A - Agriculture, Forestry, And Fishing                                   | 0          | 162,928          | 13,602          | 7,452           | 2,356            | 333            | 367           | 187,038          |
| B - Mining                                                               | 0          | 10,400           | 2,217           | 1,870           | 1,273            | 500            | 217           | 16,477           |
| C - Construction                                                         | 0          | 456,489          | 48,744          | 29,941          | 12,336           | 1,510          | 6,675         | 555,695          |
| D - Manufacturing                                                        | 0          | 204,770          | 39,649          | 38,083          | 34,608           | 12,766         | 4,825         | 334,701          |
| E - Transportation, Communications, Electric, Gas, And Sanitary Services | 0          | 183,609          | 23,513          | 19,819          | 13,060           | 3,220          | 2,081         | 245,302          |
| F - Wholesale Trade                                                      | 0          | 252,063          | 40,034          | 27,251          | 14,052           | 2,642          | 4,465         | 340,507          |
| G - Retail Trade                                                         | 0          | 702,184          | 99,793          | 73,802          | 36,785           | 4,915          | 3,556         | 921,035          |
| H - Finance, Insurance, And Real Estate                                  | 26         | 426,627          | 43,067          | 28,381          | 16,575           | 4,458          | 5,344         | 524,478          |
| I - Services                                                             | 0          | 2,021,790        | 194,712         | 133,821         | 79,993           | 16,619         | 11,362        | 2,458,297        |
| J - Public Administration                                                | 0          | 0                | 1               | 0               | 2                | 0              | 2             | 5                |
| N/A                                                                      | 0          | 0                | 0               | 0               | 0                | 0              | 1             | 1                |
| Unclassified                                                             | 0          | 28               | 15              | 21              | 5                | 0              | 0             | 69               |
| <b>Total</b>                                                             | <b>26</b>  | <b>4,420,888</b> | <b>505,347</b>  | <b>360,441</b>  | <b>211,045</b>   | <b>46,963</b>  | <b>38,895</b> | <b>5,583,605</b> |