

DIRECTORATE FOR SCIENCE, TECHNOLOGY AND INDUSTRY
COMMITTEE FOR INFORMATION, COMPUTER AND COMMUNICATIONS POLICY

Working Party on Indicators for the Information Society

“THE DIFFUSION AND THE IMPACT OF ICTS IN FIRMS AND HOUSEHOLDS”

DRAFT TABLE OF CONTENTS

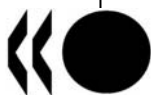
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This document presents the Draft Table of Contents of an OECD publication “The Diffusion and the Impact of ICT in Firms and Households”. The publication would be a collection of selected WPIIS studies on the diffusion and the impact of ICT.

The Working Party is invited to comment on and discuss this document in view of an OECD publication under item 8.5 of the Draft Agenda.

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“THE DIFFUSION AND THE IMPACT OF ICTS IN FIRMS AND HOUSEHOLDS”

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1. Over the last few years the WPIIS has completed a number of analytical studies on a variety of aspects of the diffusion and the impact of ICTs. The Secretariat plans to bring together the main findings of these studies in a publication with the title “The Diffusion and the Impact of ICTs in Firms and Households”.
2. The aim of the publication is twofold. The first is to diffuse selected findings of the WPIIS work that would be particularly helpful for policy-makers. The second aim is to provide an overview of the methodologies available for the analysis of the diffusion and the impact of ICTs.
3. The publication would contribute to achieve the goals of the Seoul Declaration for the Future of the Internet Economy (2008) by “Analysing the future development of the Internet Economy, namely: i) the important role and contribution of the Internet and related ICTs as a driver of innovation, productivity and economic growth; ii) the economic, social and cultural impacts of emerging Internet technologies, applications and services”.
4. The publication would rely on the list of WPIIS documents reported in table 1.

Table 1. Selected WPIIS studies on ICTs diffusion and impact

DSTI/ICCP/IIS(2008)2	THE CONTRIBUTION OF THE ICT SECTORS TO ECONOMIC GROWTH IN OECD COUNTRIES: BACKWARD AND FORWARD LINKAGES
DSTI/ICCP/IIS(2010)5	MEASURING TRENDS IN ICT TRADE: FROM HS2002 TO HS2007
DSTI/ICCP/IIS(2008)3	ICT EXPENDITURES IN OECD COUNTRIES: TRENDS AND DETERMINANTS
DSTI/ICCP/IIS(2010)11	THE DETERMINANTS OF ICT EXPENDITURE BY HOUSEHOLDS: A MICRO DATA ANALYSIS
DSTI/ICCP/IIS(2010)9	THE DIFFUSION OF E-COMMERCE ACROSS FIRMS: PATTERNS OF ADOPTION AND INTENSITY OF USE
DSTI/ICCP/IIS(2010)10	DIGITAL DIVIDE: FROM COMPUTER ACCESS TO ONLINE ACTIVITIES
DSTI/ICCP/IIS(2009)1	ASSESSING THE IMPACT OF ICT USE ON PISA SCORES
DSTI/ICCP/IIS(2008)4	USING PATENT CITATIONS TO MEASURE THE CONTRIBUTION OF ICT INVENTIONS TO INVENTIVE ACTIVITIES IN MANUFACTURING
DSTI/ICCP/IIS(2009)3	ARE ICTs SPEEDING UP THE GEOGRAPHIC DIFFUSION OF KNOWLEDGE? AN ANALYSIS OF PATENT CITATIONS
DSTI/ICCP/IIS(2010)8	ARE ICT USERS MORE INNOVATIVE? AN ANALYSIS OF ICT-ENABLED INNOVATION IN OECD FIRMS

5. Some of the above studies need some redrafting in view of their publication in a book. Others would require an update of the underlying data or an extension of the scope of their analysis. After the WPIIS meeting, the table of contents and the revised studies will be submitted at the ICCP meeting in autumn 2010 for discussion. Based on these considerations, the book is expected to be published in early 2011.

6. The publication would be composed of two parts: the first on the diffusion of ICTs and the second on their impact. The suggested table of contents is as follows (data sources are shown in brackets):

PART 1: DIFFUSION

- ICT investments (National Accounts).
- ICT production inputs (Input-Output tables).
- ICT trade (OECD International Trade in Commodity Statistics & Extended Balance of Payments Services).
- ICT expenditure by households and their determinants (micro/macro Household Budget Surveys).
- The diffusion of e-commerce and its determinants (micro/macro ICT Business Survey and e-business watch).
- Internet use by individuals and households and their determinants (micro/macro data ICT Household Survey).
- ICT innovation inputs (industry data from the OECD Patent Database).

PART 2: IMPACT

- Growth due to ICT investments (National Accounts).
- Growth due to the ICT sector (Input-Output tables).
- Growth due to ICT trade (Input-Output tables).
- Knowledge diffusion through ICT (micro data from the OECD Patent Database).
- ICT-enabled innovation (micro data from the ICT Business Survey linked to the Innovation Survey).
- ICT use and students' performance (micro data from PISA).

7. The Working Party is invited to **comment** on and **discuss** the draft table of contents of the publication.