

**DIRECTORATE FOR SCIENCE, TECHNOLOGY AND INNOVATION
COMMITTEE FOR SCIENTIFIC AND TECHNOLOGICAL POLICY**

Working Party on Biotechnology

COMMITTEE PROGRESS REPORT - JANUARY 2013 TO DECEMBER 2014

NOTE BY THE SECRETARIAT

Please find attached the fourth and final report on the implementation of the Programme of Work and Budget for 2013-14 for the Committee for Scientific and Technological Policy (CSTP), responsible for Output Area 1.3.3. The report covers the period January 2013 to December 2014.

Action required: Delegates are requested to take note of the standard report and the modifications to the scope and content of Output Results compared to the approved total estimated cost (TEC). In the absence of objections by 6 March 2015, it will be assumed that the Committee has noted these modifications.

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1. In 2008, the OECD Council approved a package of measures aimed at increasing transparency in monitoring the implementation of the approved Part I Programme of Work and Budget [[C\(2008\)93/REV2](#)]. In particular, Council established notification and approval procedures for managing adjustments to the Programme of Work and Budget as appropriate. Depending on the magnitude, some adjustments would require Committee approval, while others would also require Budget Committee or Council approval.

2. This package of measures also contains a requirement for regular, standard progress reports to committees, to be issued twice a year. The aim of these reports is to:

- summarise Output Result/Intermediate Output implementation;
- identify associated expenditures at the Output Result level; and
- note any modifications to the approved PWB since the previous report.

3. This document presents the standard report for Output Area 1.3.3 Biotechnology, and covers the period January 2013 to December 2014.

4. The 2013-14 work programme has now been completed. Spending on the Part I budget was generally as planned, with variations between planned and actual costs generally due to staff vacancies. Some variation occurs because staff costs in the PWB are estimated on an average cost basis, while actual staff costs are based on the individual cost of the staff member (which varies depending on seniority).

5. More significant variations between planned and actual costs are due to the fact that the level of voluntary contributions received during 2013-14 in a number of cases fell short of the original estimations contained in the PWB. In these cases, as indicated in the “Comments on Implementation” column in the attached Committee Reporting template, the components of the Output Results which would have been funded via voluntary contributions were either delayed, scaled back in scope or cancelled, thereby and to varying extents modifying the scope and content of the approved Output Results.

6. Document [C\(2008\)93/REV2](#) requires that Committees note resource reallocations (increase or decrease) that exceed 20% of the approved annual Total Estimated Cost (TEC) of individual Output Results. This was the case for a number of the Output Results for Output Area 1.3.3 in 2013-14 for the reasons set out in paragraphs 4 and 5 above.

7. **Action required:** Delegates are requested to take note of the report and the modifications to the scope and content of Output Results compared to the approved TEC. In the absence of objections by **6 March 2015**, it will be assumed that the Committee has noted these modifications.

Programme of Work and Budget 2013-14

OUTPUT GROUP: 1.3 Science and Technology Policies

Progress Report

(January 2013 – December 2014)

STRATEGIC OBJECTIVE:	1 Promote Sustainable Economic Growth, Financial Stability and Structural Adjustment				
OUTPUT GROUP:	1.3 Science and Technology Policies				
OUTPUT AREA:	1.3.3 Biotechnology				
RESOURCES:		2013 (KEUR)		2014 (KEUR)	
		Total Estimated Cost (TEC)(1)	Expenditure(2)	Total Estimated Cost (TEC)(1)	Expenditure(2)
	Part I	681	472	769	555
	VCs	525	94	520	93
	Total	1 206	566	1 289	648
Committee Accountability:				Mandate or Sunset	
Committee for Scientific and Technological Policy (CSTP), <i>Participants/Observers:</i> Argentina, Brazil, People's Republic of China, Colombia, Lithuania, Russian Federation, South Africa, Council of Europe (COE), UN Conference on Trade and Development (UNCTAD)				31/12/2019	
Task Force on Industrial Biotechnology (TFIB)				31/12/2014	
Working Party on Biotechnology (WPB)				31/12/2014	

Expected Outcomes:
Awareness/Understanding:
<ul style="list-style-type: none"> An increased understanding by policymakers of the potential of science, technology and innovation, and biotechnology in particular, to contribute not only to economic growth and general social

well-being, but also to the co-resolution of major societal challenges via the development of win-win strategies.

- Insights into the barriers that need to be overcome if such strategies are to be developed and the policy mechanisms and governance structures that will be needed to implement them.
- Greater awareness of the need for international cooperation and orchestration of activities if global problems are to be tackled efficiently and effectively.

Usage:

- Governments use the Output Results to elaborate policies leading to new sources of growth and sustainable development.
- Governments use the evidence and examples of good practice generated by the Output Results to develop effective STI and biotechnology policies.
- Governments use the Output Results to evolve cross-border strategies and structures to tackle global challenges
- Analysts use the data and models generated by the Output Results to improve the collective understanding of the operation of innovation systems and the impact of policies upon them.

Effects:

- Better policies.
- Growth-led economic recovery.
- Greener, healthier, inclusive societies.

			KEUR			
2013-14 (and Intermediate Outputs)	Output Results (3)	Accountable Committee/ Subsidiary Body/ Global Forum	Ongoing / Time Bound (end-date)	Total Estimated Cost (TEC) 2014	Expenditure as of 31 December 2014	Comments on implementation (Budget and delivery of Output Result)
1. Impact of Science on Economic Growth: two analytical reports and contribution to the CSTP synthesis report		CSTP, NESTI, RIHR, TIP, WPN, WPB	Time Bound Q4 2014	549	168	Completed with reduced scope – planned VCs not received
1.1. One analytical report analysing the role and impact of science and technology policies: Industrial and environmental biotechnology for sustainable growth		WPB	Time Bound Q4 2014			Completed to planned scope – Biobased Chemicals and Bioplastics: Finding the Right Policy Balance, OECD Science, Technology and Industry Policy Paper 2014/17. DOI: 10.1787/5jxwwfjx0djf-en Policies for Bioplastics in the Context of a Bioeconomy, OECD Science, Technology and Industry Policy Paper 2013/10. DOI: 10.1787/23074957 Biotechnology for the Environment in the Future: Science, Technology and Policy, STI Policy Paper 2013/3. DOI: 10.1787/23074957 The Role and Impact of S&T Policies on Biobased Chemicals and Bioplastics: Results of a Survey [DSTI/STP/BIO(2014)5]
1.2. Deepening of the bio-related work on the role and impact of science and technology policies: Industrial and environmental biotechnology for sustainable growth		WPB	Time Bound Q4 2014			Completed with reduced scope – planned VCs not received – Turin Workshop on “Present and Future Policy for Biobased Production” [DSTI/STP/BIO(2014)14]. Sustainable Biomass Drives the Next Bioeconomy: A New Industrial Revolution? [DSTI/STP/BIO(2014)16].

1.3. One analytical report on realising the potential of emerging, converging and enabling technologies: The impact on the bioeconomy of emerging/converging technologies	WPB	Time Bound Q4 2014			<p>Completed to planned scope – Emerging Policy Issues in Synthetic Biology, OECD Publishing, Paris, 2014. ISBN: 9789264208414</p> <p>Impact of Synthetic Biology on the Bioeconomy: Policies and Practices [DSTI/STP/BIO(2014)6/REV1]. Submitted to CSTP for declassification.</p> <p>Future Potential of Synthetic Biology in Biobased Production [DSTI/STP/BIO(2014)4]. Submitted to CSTP for declassification.</p>
1.4. Deepening of the work on realising the potential of emerging, converging and enabling technologies, plus deepening of work in this area: The impact on the bioeconomy of emerging/converging technologies	WPB	Time Bound Q4 2014			Cancelled – No additional VC funding
1.5. Contribution to the CSTP analytical report: The impact of science and technology on economic growth - a synthesis	CSTP, NESTI, RIHR, TIP, WPN, WPB	Time Bound Q4 2014			Completed to planned scope – Meeting 21st Century Challenges with Science, Technology and Innovation: A Synthesis of the Work of the Committee for Scientific and Technological Policy (CSTP) [DSTI/STP(2014)20]. Submitted to CSTP for declassification.
2. Enhancing STI Interactions: two analytical reports and contribution to the CSTP synthesis report	CSTP, NESTI, RIHR, TIP, WPN, WPB	Time Bound Q4 2014	359	187	Completed with reduced scope – planned VCs not received
2.1. One analytical report on opportunities and options for public-private partnerships: Developments in biomedicine and innovation in the health sector / Supporting the sustainable development of marine biotechnology	WPB	Time Bound Q4 2014			Completed to planned scope – Public-Private Partnerships in Biomedical Research and Health Innovation for Alzheimer's Disease and other Dementias [DSTI/STP/BIO(2014)9/REV2]. Submitted to CSTP for declassification.
2.2. One analytical report, plus deepening of the work on public-private partnerships: Developments and innovation in the health sector / Supporting the sustainable development of marine biotechnology	WPB	Time Bound Q4 2014			Cancelled – No additional VC funding
2.3. Contribution to the CSTP analytical report: Enhancing STI interactions - a synthesis	CSTP, NESTI, RIHR, TIP, WPN, WPB	Time Bound Q4 2014			Completed to planned scope – Meeting 21st Century Challenges with Science, Technology and Innovation: A Synthesis of the Work of the Committee for Scientific and Technological Policy (CSTP) [DSTI/STP(2014)20]. Submitted to CSTP for declassification.
3. Fostering STI to Address Global and Social Challenges: three analytical reports and contribution to the CSTP synthesis report	CSTP, NESTI, RIHR, TIP, WPN, WPB	Time Bound Q4 2014	381	293	Completed with reduced scope – planned VCs not received
3.1. One analytical report on science, technology and innovation (STI) and green growth: Supporting the sustainable development of marine biotechnology	WPB	Time Bound Q4 2014			<p>Completed to planned scope – The project on 'Marine Biotechnology: Infrastructure, Statistics and Indicators' is on track as planned. Outputs are as follows:</p> <p>"Report of a Workshop on Marine Biotechnology Definitions, Indicators and Infrastructure" [DSTI/STP/BIO(2014)8], presented to WPB in June 2014.</p>

					<p>"Marine Biotechnology: Report of a Thematic Session at the 34th meeting of the OECD Working Party on Biotechnology (WPB)" [DSTI/STP/BIO(2014)7], presented to WPB in Dec 2014.</p> <p>Summary report entitled "The Future Potential of Marine Biotechnology", on track for completion in Q1 2015 [DSTI/STP/BIO(2014)17].</p>
3.2. One analytical report on science, technology and innovation (STI) and green growth: Industrial and environmental biotechnology for sustainable growth	WPB	Time Bound Q4 2014			<p>Partially Completed – Some outputs delayed and carried forward – VCs received in 2014 allowed this work to commence with a study on "Omics technologies for sustainable production of better food for better nutrition".</p> <p>The OECD/HUGO Joint Session on "Genomics for Better Food and Nutrition" informed the development of this project [DSTI/STP/BIO(2014)12].</p> <p>A survey sent in late 2014 will inform future work within the context of the 2015-16 PWB. The results of the survey will be included in the final report of the project, due to be completed in Q4 2015.</p>
3.3. One analytical report on science, technology and innovation (STI) for healthy ageing: Developments in biomedicine and innovation in the health sector	WPB	Time Bound Q4 2014			<p>Completed to planned scope – Workshop on Integrating Omics and Policy for Healthy Ageing: Synthesis Report, OECD Science, Technology and Industry Policy Paper 2014/12. DOI: 10.1787/5jzb0z52dc5c-en;</p> <p>Summary Report on the Governance of Biomedical Innovation for Alzheimer's Disease and other Dementias [DSTI/STP/BIO(2014)10]. Draft presented to WPB in December 2014, to be resubmitted for final review in Q1 2015.</p> <p>Draft report of a workshop held in Lausanne in 2014 entitled "Enhancing Translational Research and Clinical Development for Alzheimer's Disease and other Dementias: The Way Forward" [DSTI/STP/BIO(2014)15]. Draft to be submitted for review in Q1 2015.</p> <p>Toward New Models for Innovative Governance of Biomedicine and Health Technologies, OECD Science, Technology and Industry Policy Paper 2013/11. DOI: 10.1787/23074957</p> <p>Public Health in an Age of Genomics, OECD Science, Technology and Industry Policy Paper 2013/8. DOI: 10.1787/23074957</p> <p>Emerging Trends in Biomedicine and Health Technology Innovation: Addressing the Global Challenge of Alzheimer's", OECD Science, Technology and Industry Policy Paper 2013/6. DOI: 10.1787/23074957</p>
3.4. Deepening of the work on science, technology and innovation (STI) for healthy ageing: Developments in biomedicine and innovation in the health sector	WPB	Time Bound Q4 2014			Cancelled – No additional VC funding

3.5. Contribution to the CSTP analytical report: Fostering STI to address global and societal challenges - a synthesis	CSTP, NESTI, RIHR, TIP, WPN, WPB	Time Bound Q4 2014			Completed to planned scope – Meeting 21st Century Challenges with Science, Technology and Innovation: A Synthesis of the Work of the Committee for Scientific and Technological Policy (CSTP) [DSTI/STP(2014)20]. Submitted to CSTP for declassification.
		Total	1 289	648	

[1] Total Estimated Cost (TEC) includes Part I funds (Part I Budget, CPF and SGAF), Annex Budget funds, Voluntary Contributions in Hand and New Voluntary Contributions.

[2] Some variances may arise where new voluntary contributions are a significant source of financing for the Output Result. Progress and spending information will depend on the timing of receipt of those voluntary contributions.

[3] VC-funded Output Results are shown shaded in the table.