



Project No: 044513
Project acronym: **MEI**
Project Title: **Measuring eco-innovation**

Instrument: STREP

Thematic Priority: Call FP6-2005-SSP-5A, Area B, 1.6, Task 1

Deliverable 16
Final Plan for using and disseminating knowledge

Period covered: from 1-2-2007 to 31-3-2008

Start date of project: 1-2-2007

Duration: 14 months

Project coordinator name: Dr René Kemp

Project coordinator organisation name: Universiteit Maastricht – MERIT

Project co-funded by the European Commission within the Sixth Framework Programme (2002-2006)		
Dissemination Level		
PU	Public	
PP	Restricted to other programme participants (including the Commission Services)	
RE	Restricted to a group specified by the consortium (including the Commission Services)	RE
CO	Confidential, only for members of the consortium (including the Commission Services)	

1 Exploitable knowledge and its Use

Exploitable knowledge (description)	Exploitable product(s) or measures	Sector(s) of application	Timetable for commercial use	Patents or other IPR protection	Owner & Other Partner(s) involved
None					

2. Dissemination of knowledge

The dissemination of knowledge has been performed through workshops, presentations,, project publications and through the website www.merit.unu.edu.

After the project, further dissemination will take place in the form of publications, hopefully in new research projects, possibly a joint project with ECODRIVE team members. The website will remain active until at least 2010, with links established to it from other websites.

A more detailed information per item is given below.

Project Workshops

We organised four workshops and contributed to the ECODRIVE workshop in September 2007 which was *de-facto* a ECODRIVE-MEI workshop with 4 presentations from MEI researchers and active involvement of MEI researchers in discussions. Officials from DG-RTD, DG-Environment, DG-TREN and DG-Enterprise attended one or more of these meetings, as well as people from European Environment Agency, EUROSTAT and the Joint Research Center (JRC).

Presentations

Jens Horbach presented the survey questions developed for CIS at two meetings at Eurostat in Luxemburg, one meeting at 13-14 Sept 2007 and one at 5-6 November 2007. René Kemp presented the definition and typology of eco-innovation and other research findings of MEI at a meeting for environmental statistics experts from EUROSTAT, DG Environment and Member States. The meeting was held at DG environment in Brussels at 12 Febr 2008.

José Luis Lièbana, Fundación LEIA presented findings fomr the MEI project at the **Eco-Innovation Days**, 16 & 17/04/08, Terrassa (Barcelona) in Spain. The event was covered by press and radio. <http://ecoinnovacio.wordpress.com/about/>

Project website

The project website has been set up as www.merit.unu.edu which will remain active until 2010. All documents are available from the website include reports which are not official project deliverables. The website will be mentioned in several outreach activities: the Dutch newsletters Milieu en Economie en Milieu en Technologie for researchers and policy makers, a research brief of UNU-MERIT about MEI which is mailed to 1000 United Nation University contacts. It is also printed 3000 times and will be available from each UNU institute. The MEI website was visited 933 times with peaks in august 2007 and June 2008. There will also be a feature about the MEI project on the UNU-MERIT website which receives on average 61149 visits per month (733785 visits between June 2007 and July 2008).

Links to other websites have been established.

Overview table Dissemination of Knowledge

Actual dates	Type	Type of audience	Countries addressed	Size of audience	Partner responsible/ involved
6-03-2007	Kick off meeting MEI, Brussels	Researchers, Commission, Statistical offices	All EU	20	UM-MERIT
21-06-2007	Workshop about survey analysis in Brussels	Researchers Commission Business	All EU	15	UM-MERIT
22-06-2007	Workshop about patent analysis and documentary and digital source analysis in Brussels	Researchers Commission Business	All EU	10	UM-MERIT
03&04-09-2007	Ecodrive-MEI Workshop, Brussels	Researchers and Commission	All EU	35	CML from ECODRIVE UM-MERIT
13&14-9-2007	Presentation MEI survey questions for CIS at Eurostat, Luxemburg	Statisticians innovation experts	All EU	55	Eurostat UM-MERIT
05&06-11-2007	Presentation survey questions developed in MEI for CIS at Eurostat, Luxemburg	Statisticians Innovation experts	All EU	60	Eurostat UM-MERIT
21-1-2008	Eco-innovation workshop in Utrecht	Researchers Business Government	Netherlands	30	Dutch environment Ministry (VROM) UM-MERIT
07&08-02-2008	Final Workshop Ecodrive-MEI, Brussels	Eco-innovation experts Commission, Eurostat	All EU	45	UM-MERIT and CML from ECODRIVE
12-2-2008	Presentation results from MEI at DG Environment	Statistical offices	All EU	20	DG Environment UM-MERIT
16&17-04-2008	Presentation at eco-innovation days in Barcelona	Research /Higher education/ Industry/ General public	Spain	250	LEIA
May/June 2008	Article in German Magazine Ökologisches Wirtschaften	Research and Policy	Germany	2000	ZEW
2-7-2008	Newsletter Milieu en Economie	Science and policy	The Netherlands	500	UM-MERIT
August 2008	Special feature MEI project at UNU-MERIT website	All interested	global	700000	UM-MERIT
Sept 2008	Research brief United Nations	Science	global	4000	UM-MERIT

	University				
Ongoing until 2010	Project web-site	All interested	global	>1000 ¹	UM-MERIT

3 Publishable results

Does not apply. The project is a social science project with no commerciable results.

4. Overview of Deliverables and Milestones

4.1 Deliverables list

Deliv. No	Deliverable name	WP No	Date due	Delivery date	Estimated person months	Person months spent	Lead contr.
1	A report about the innovation dynamics perspective, which is applied to eco-innovation	1	3	7	1	0.9	4
2	A typology for eco-innovation	1	3	7	0.5	0.5	1
3	Workshop conclusions on typology and framework	1	3	7	0.5	0.5	1
4	A report on survey analysis of eco-innovation	2	5	7	1	1	2
5	A report on panel data analysis of eco-innovation	3	5	7	1	1	1
6	Workshop conclusions on survey analysis and panel data analysis of eco-innovation	3	5	6	0.5	0.5	1
7	A research paper on data needs economic models	4	7	11	0.75	0.8	2
8	A list of data uses in existing models and recommendations for how to improve the link between modelling and data collection on eco-innovation	4	7	17	0.25	0.2	2
9	A report on eco-patents	5	9	14	1	1.4	1
10	A report on direct measurement of innovation output using documentary and digital sources	4, 6	9	16	3.5	2.9	4

¹ As of June 23, 2008 the MEI website was visited 993 times.

11	Workshop conclusions on eco-patents and direct measurement of innovation output using documentary and digital sources	5, 6	9	7	0.5	0.5	1
12	A report on indirect measurement of eco-innovation on the basis of company environmental performance data	7	11	12	4.2	6.1	5
13	A report on measurement of competitiveness of eco-innovation	8	11	11	3.45	5.84	1
14	Workshop conclusions about ways for combining different measures of eco-innovation for meeting policy needs and research challenges	9	13	17	0.5	0.5	1
15	Final report about methodological challenges for measuring eco-innovation, research needs and data collection	10	12	14	2	3.4	1
16	Final plan for using and disseminating knowledge	10	2	17	0.5	1	1
17	Policy brief and newspaper/magazine article	10	13	17	0.5	1	5

4.2 List of milestones

No.	Name	WP no.	Date due	Delivery date	Estimated indicative person-months *)	Used indicative person-months *)	Lead contr.
M1	Workshop about defining eco-innovation	1	2	2	1.9	1.85	1
M2	Workshop on surveying eco-innovation	2	4	5	1.2	1.6	2
M3	Workshop about surveys and panel data	3	4	5	1.5	1.2	2
M4	Discussion paper on data needs in E3 models which is discussed at the workshop with ECO-DRIVE	4	7	11	1.2	1.2	2
M5	Workshop on eco-patents	5	6	5	1.4	1.2	1
M6	Workshop about measuring innovation output using documentary and digital sources	6	6	5	2.9	4.2	4
M7	Workshop on indirect measures	7	8	12	6.1	3.4	5

	of eco-innovation based on company environmental performance data in collaboration with ECODRIVE project.						
M8	Discussion paper on measuring competitiveness of eco-innovations and eco-innovative capacity		8	11	5.84	3.45	1
M9	Workshop on data collection and possible research with such data		13	13	3.8	4.1	1
M10	Final report and workshop		11/14 ²	13	2	0.7	1
					27.84	23	

² Draft version of final report due in month 11, final version due in month 14.

5. Budget vs. Actual Costs

Cost Budget Follow-up Table		*) total budget figures - not EC funding							
Contract N°: 44513		Acronym: MEI		Date: 09/06/2008					
PARTICIPANTS	TYPE of EXPENDITURE (as defined by participants)	BUDGET	ACTUAL COSTS (EUR)					Pct. spent	Remaining Budget (EUR)
			Period 1	Period 2	Period 3	Period 4	Total		
			e	a1	b1	c1	d1		
Part. 1. MERIT	Total Person-month	7,8	9,32				9,32	119%	-1,52
	Personnel costs	59174	73277,09				73277,09	124%	-14103,09
	Major cost item travel exp	7000	1520,99				1520,99	22%	5479,01
	Major cost item workshops	10500	8044,77				8044,77	77%	2455,23
	Major costs subcontracting	0	3000						
	Other costs ('the rest')	3000	426,06						
	Audit costs indirect costs	6000	900						
		15976	16653,78				16653,78	104%	-677,78
	Total Costs	101650	103822,69	0	0	0	103822,69	102%	-2172,69
Part. 2 ZEW	Total Person-month	4	4				4	100%	0
	Personnel costs	27956	27150,33				27150,33	97%	805,67
	Major cost item travel exp	2500	1916,15				1916,15	77%	583,85
	Major cost item workshops		0				0		
	Major costs subcontracting	0	0				0		
	Other costs ('the rest')		86,58				86,58	#DIV/0!	-86,58
	Audit costs		1000						

	indirect costs	6091	5830,61				5830,61	356%	-4194,11
	Total Costs	36547	35983,67	0	0	0	35983,67	98%	563.33
Part. 3 DTU	Total Person-month	0,5					0	0%	0,5
FC	Personnel costs	1487,5	2712,8				2712,8	182%	-1225.3
	Major cost item travel exp	500					0	0%	500
	Major cost item workshops								
	Major costs subcontracting	0							
	Other costs ('the rest')						0	0%	0
	Audit costs	0	510						
	indirect costs	1636.5	2848,44				2848.44	45%	-1211.94
	Total Costs	3624	6071,24	0	0	0	6071,24	168%	-1937.24

Part. 4 ICL	Total Person-month	7	7				7	100%	0
	Personnel costs	27990	14388,11				14388,11	51%	13601.89
	Major cost item travel exp	4000	765,71				765,71	19%	3234.29
	Major cost item workshops		0						
	Major costs subcontracting	0	0						
	Other costs ('the rest')		27,89				27,89		-27.89
	Audit costs		912,78						
	indirect costs	6398	3036,34				3036.34	47%	3361.66
	Total Costs	38388	19130,83	0	0	0	19130,83	50%	20169.95
Part. 5 LEIA	Total Person-month	3,5	6,3				6,3	180%	-2,8
FC	Personnel costs	7853	14,731				14,731	188%	-6878.48
	Major cost item travel exp	1500	1547,25				1547,25	103%	-47.25
	Major cost item workshops		0				0		
	Major costs subcontracting	0	0				0		

	Other costs ('the rest')		0				0	0%	0.00
	Audit costs		300						
	indirect costs	10420.5	5684,71				5684.71	55%	4735.79
	Total Costs	19773,5	22,263,435	0	0	0	22,263,435	113%	-2189.94
TOTAL	Total Person-month	22,8	26,62				26,62	117%	-3,82
	Personnel costs	124460.5	132,260				132259,81	12%	-7799.30
	Major cost item travel exp	15500	5750.1						9749.90
	Major cost item workshops	10500	8044.77						2455.23
	Major costs subcontracting	0	3000				3000		-3000.00
	Other costs ('the rest')	3000	540.53				540,53	18%	2459.47
	Audit costs	6000	3622.78						2377.22
	indirect costs	40522	34053.88				34053,88	84%	6468.12
	Total Costs	199982,5	187271,87	0	0	0	187271,87	94%	12710.64

6. Project barchart and status

Project Acronym: MEI Contract Nr. 044513	Months 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 First year 2nd year
WP1 Defining eco-innovation Task 1.1 A conceptual clarification of eco-innovation based on an understanding of innovation dynamics Task 1.2. Developing a typology of eco-innovation relevant to policy and research Task 1.3 A discussion of eco-innovation from an innovation dynamics perspective Task 1.4 A comparison of eco-innovation with normal innovation	----- (months 0-7) ----- ----- -----
WP2 Survey methodologies of eco-innovation Task 2.1 Critically review experience to date with the use of surveys to collect data on eco-innovation Task 2.2 Create an annotated library of survey questions on eco-innovation, which will include a brief evaluation of the strengths, weaknesses, and interpretation of each question Tasks 2.3 Identify and propose survey questions on eco-innovation and appropriate survey methodologies that could be included in general innovation surveys (such as the CIS)	----- (months 0-7) ----- -----

WP3 Panel data analysis of eco-innovation

Task 3.1 Describe how far eco-innovations are included in panel data in Europe ----- (months 0-7)

Task 3.2 Explaining the barriers of including environmental innovation in innovation panels -----

Task 3.3 Explaining potential use and limits of panel data -----

Task 3.4 Making recommendations how to include eco-innovations in panel surveys -----

WP4 Economic modelling of eco-innovation

Task 4.1 Structuring the different approaches for modeling eco-innovation ----- (months 7-11)

Task 4.2 Documentation of the data that is already used within these models -----

Task 4.3 Recommendations for improving the data used for modeling activities -----

WP5 Eco-patents

Tasks 5.1 Critically review experience to date with the use of patent data to collect data on eco-innovation ----- (months 4-11)

Task 5.2 Describe how patent data may be better used for measuring eco-innovation -----

Task 5.3 Analyse ways of combining patent data with other data on invention and innovation ----- (months 11-14)

WP6 Measurement of eco-innovation output using documentation and digital sources

Task 6.1 To review literature based indicators of innovation and their application to eco-innovation ----- (months 4-11)

Task 6.2 To explore the potential of web based search methods for the monitoring of eco innovation -----

Task 6.3 To assess the availability and prospects of evaluative compilations of significant eco-innovations ----- (4-17)

WP7 Indirect measurement of eco-innovation using company data

Task 7.1 To apprehend Benchmarking as an eco-innovation tool ----- (months 2-12)

Task 7.2 To identify the main methodological challenges and difficulties in using company environmental performance data for measuring eco-innovation. -----

Task 7.3 To develop and test a questionnaire for benchmarking and to make recommendations for further research and data collection activities. -----(months 4-12)

WP8 Measuring competitiveness of eco-innovation

Task 8.1 Competitiveness of eco-innovation and how it may be measured ----- (months 8-11)

Task 8.2. Assessment of eco-innovative capacity of (national) innovation systems -----

WP9 Discussion of proposals for collecting data and research with stakeholders ----- (months 10-12)

WP10 Dissemination

Task To disseminate the project findings through various means, reports and discussions with data experts, other experts and all interested people -----