076C CAPEM

totalclaimed

4546261 85

Cycle Assessment Procedure for Eco-Materials

(FR) Création et Développement des Eco-Entreprises (CD2E)

Grant rate	50.	00 % Match fur	nding	4,546,261.85
RDF	4,546,26	51.85 Total elig	ble	9,092,523.70
Bu	ıdget line	Total	%	Total Budget
1 Partner s	staff	2,959,112.60	32.54 %	-
2 External	experts	978,385.44	10.76 %	B.L. 1
3 Travel a	nd accommodation	218,630.92	2.40 %	B.L. 2
4 Meetings	6	106,143.01	1.17 %	B.L. 3 B.L. 4
5 Publicity		1,013,311.75	11.14 %	B.L. 5
6 Equipme	ent	61,642.32	0.68 %	B.L. 6 B.L. 7
7 Investme	ents	3,277,543.61	36.05 %	B.L. 8
8 Audit cos	st	108,450.12	1.19 %	B.L. 9
9 Admin c	ost	369,303.93	4.06 %	
otal paid	4,546,26	1.86 Total clair	med:	4,762,064.02

1818504.74 2727757.11 3637009.48

Project summary description

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The aim of the CAP'EM project is to contribute to increase the manufacture, distribution and use of ecomaterials in the building industry of North West Europe (NWE), by allowing better demonstration of their benefits. The definition of "eco-materials" is directly linked to eco-designed materials which lead to improve economic and technical performance as well as environmental and health impacts. Through an international investigation, made by Ernst & Young for Cd2e in 2006 to identify why eco-materials were more developed in Northern Countries, and what were in these countries the barriers and the ways to create, develop and promote their specific markets, it appeared that different characteristics and approaches were used. Each approach has interests or specific regional / national characteristics. developing these products and ways of use them will gain from being benchmarked and more commonly promoted and tested through identical ways. Since eco-materials are widely recognized in many others major sectors of production as electronics, the use of eco-materials terminology to verify low environmental impacts is not well developed in the building sector in Europe. CAP'EM project will begin working on the dissemination of a common definition for eco-material, shared by the major actors involved in eco and low energy building sector in NWE, both for new and renovation buildings. The project will capitalize on those materials presumed as "eco-materials" available in the areas covered by the partners involved in the project ; these materials will be analysed through a common methodology which will allow assessment of their real impacts. In order to foster their business in NWE construction public and private building sector, broad information and demonstration of the performances of the most relevant eco-materials will then be achieved.

Institu	nstitution Legal status C		C-try	Eligible		ERDF		Match fu	Inding	NWE	
<u>1. Création et</u> <u>Développement des Eco-</u> <u>Entreprises (CD2E)</u>			Non-Profit Organisation	FR	2,817,116.99		1,408,558.50 1,		1,408	558.50	Y
Investments for partner 1 (18.31% of total investments)											
	No De	escription		lı	nv. code		Total		Paid		
	1 Computer software		V	VP1I1	1(00,000.00	9	97,106.54			
	2 Demonstration building (FR)		V	VP4I2	50	00,000.01	4	78,626.26			
						60	00,000.01	5	75,732.80		
2. Association of Community Rail Partnerships (ACORP)			UK	73	2,714.00	366	8,357.00	366	6,357.00	Y	

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ner 6 (0.85% of to	FR otal inv	260 restments				Paid	
ner 6 (0.85% of to	otal inv	restments		130,20	12.00	130,202.90	Y
FR)	In)		JZ.90	130,202.90	I
		IV. CODE		Tatal		Deid	
	W			Total	05.7	Paid	
blic Authority		VP4I6		,893.60		20.37	
blic Authority				,893.60		20.37	
-	DE),856.76	560,42	28.38	560,428.38	Y
ner 7 (23.98% of	total in	ivestment	is)				
	In	nv. code		Total		Paid	
)	V	VP4I7	785	,999.99	1,414,2	69.51	
			785	,999.99	1,414,2	69.51	
Enterprise	NL		0.00		0.00	0.00	Y
ner 8 (0.00% of to	otal inv	estments)				
	In	nv. code		Total		Paid	
)	W	VP4I8		0.00		0.00	
				0.00		0.00	
fit Organisation	BE	1,505	5,642.97	752,8	21.49	752,821.49	Y
ner 9 (17.24% of	total in	vestment	(e)				
		nv. code	.0)	Total		Paid	
BE)		VP4I5	50	,000.00		0.00	
)		VP4I9		,180.01	1,645,7		
)		VI 415		,180.01	1,645,7		
fit Organisation	NL		3,465.00	484,23	32.50	484,232.50	Y
ner 10 (6.99% of	total in	ivestment	is)				
· · · · · · ·	In	nv. code		Total		Paid	
,	V	VP4I10	228	,970.00	405,8	93.02	
X			228	,970.00	405,8	93.02	
X		199	9,663.00	99,8	31.50	99,831.50	Ŷ
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WorkPackages

No.	Title	Start date	End date	Budget
1	Development of assessment procedure and methodology	01 Sep 2008	01 Jul 2011	772,864.51
2	Evaluation of identified available eco-materials	01 Jan 2009	01 Apr 2012	1,272,953.32
3	Dissemination of knowledge on eco-materials among professionals	01 Jan 2010	01 Dec 2012	1,454,803.79
4	Demonstration and follow-up of the use of eco-materials in NWE	01 Jan 2009	01 Dec 2012	4,091,635.66
5	Interlinking CAPEM with national Life Cycle tools and databases	01 Sep 2013	01 Jul 2014	545,551.42
6	Establishment of a CAP'EM Environmental Product Declaration (EPD) Programme	01 Sep 2013	01 Aug 2014	545,551.42

Outputs	Start Date	End Date	Budget
 WP 1 - Development of assessment procedure and methodology State-of-art of simplified LCA methodologies among the partners Harmonized definitions of eco-material and eco-construction Harmonized assessment procedure (methodology, tool and database) Computer software specifications 30 reference eco-materials Validated computer software Validated assessment procedure for identification of materials as eco-materials Installed computer software (Excel sheet) 	01 Sep 2008	01 Jul 2011	772,865
 WP 2 - Evaluation of identified available eco-materials At least 100 selected eco-materials to be evaluated Requested datas (technical, financial, economic, environmental and health informations) for at least 100 selected eco-materials Simplified LCA results for at least 100 selected eco-materials Ranking classification of at least 100 evaluated eco-materials Markets features for at least 100 evaluated eco-materials 	01 Jan 2009	01 Apr 2012	1,272,953
 WP 3 - Dissemination of knowledge on eco-materials among professionals Communication strategies designs towards manufacturers, retailers, users and advisers Communication strategies specifications towards manufacturers, retailers, users and advisers Communication strategies documents towards manufacturers, retailers, users and advisers Communication strategies objects towards manufacturers, retailers, users and advisers 	01 Jan 2010	01 Dec 2012	1,454,804

Outputs	Start Date	End Date	Budget
WP 4 - Demonstration and follow-up of the use of eco-materials in NWE	01 Jan 2009	01 Dec 2012	4,091,636
 Design and specifications of demonstration buildings, including the demonstration showrooms Organized demonstration network of five represented member states Booklet of the eco-materials demonstration network Transnational building sites visit reports local level actions : One day per week will be dedicated to consciousness raising and communication on eco-materials / eco-construction / energy savings to final users, in link with public communities. One thematic "technical" event for professionals will be organised each month by each partner. One other partner will be invited to attend the event. Transnational exchange of know how, expertise, technologies and knowledge on eco-materials will then be shared permanently. a specific demonstration show will be organised every two months in each demonstration center: the focus will be organised twice a year, in the framework of CAPEM project, each time in a different place. A call for papers will be organised 6 months before, at European and international level. Realtime assessment of technical performance : CAPEM partners will update regularly the official CAPEM project website by bringing information concerning hydrothermal characteristics of the walls, ceilings, floors of the different demonstration buildings using eco-materials selected in the CAPEM project. Newspaper specialised articles: during and after the CAPEM project. Newspaper specialised articles: during and after the CAPEM project. Newspaper specialised articles: during and after the CAPEM project. Newspaper specialised articles: during and after the CAPEM project or a group of eco-material selected by CAPEM project or a group of eco-material selected by CAPEM project or a group of eco-material selected by CAPEM project or a group of eco-material selected by CAPEM project or a group of eco-material selected by CAPEM project or a group of 			
WP 5 - Interlinking CAPEM with national Life Cycle tools and databases 1 benchmark of LC tools for the building industry in the UK, France, Belgium and the Netherlands Partnerships with 8 organisations (2 in each participating country: UK, France, Belgium, the Netherlands) 8 recalculation methods developed and approved by partners 80 regional references for eco-materials (at least 10 materials in each tool/database) CAP'EM Building Product Comparison System enhanced to include end of life data ("gate to grave") "Gate to grave" data included for 20 pilot materials in the CAP'EM Building Product Comparison System 1 transnational event with 150 participants	01 Sep 2013	01 Jul 2014	545,551
WP 6 - Establishment of a CAP'EM Environmental Product Declaration (EPD) Programme Internationally recognised CAP'EM EPD Programme Operator Established General Programme Instructions developed and approved Product Category rules developed and approved 20 EPDs produced	01 Sep 2013	01 Aug 2014	545,551

Investments

Show Investment(s) Gantt chart

No.	Title	Code	P. No.	WP	Start date	End date	Total
1	Simplified LCA computer software for eco-materials	WP1I1	1	1	01 Feb 2009	01 Oct 2011	100,000.00
2	Renovated demonstration building in Northern France	WP4I2	1	4	01 Jan 2010	01 Dec 2012	500,000.00
3	Renovated demonstration building in UK (North)	WP4I3	2	4	01 Jan 2010	01 Dec 2012	538,500.00
4	New demonstration building in UK (South)	WP4I4	3	4	01 Jan 2009	01 Dec 2012	531,000.00
5	Renovated demonstration building in Belgium (Wallonia)	WP4I5	9	4	01 Jan 2010	01 Dec 2012	50,000.00
6	Showroom in Picardie Region	WP4I6	6	4	01 Jan 2009	01 Dec 2012	27,893.60
7	Renovated demonstration building in Germany	WP417	7	4	01 Sep 2009	01 Dec 2012	786,000.00
8	Renovated demonstration building in The Netherlands	WP418	8	4	01 Jan 2010	01 Dec 2010	0.00
9	New demonstration building in Belgium (Flanders)	WP419	9	4	01 Jan 2009	01 Dec 2011	515,180.00
10	Movable and permanent eco-materials exhibition in the Netherlands	WP4I10	10	4	01 Oct 2010	31 Dec 2012	228,970.00

Action Plan

No	Name	Start date	End date	WP
1	Presentation of existing methodologies / benchmark	01 Jan 2009	01 Mar 2010	1
2	Discussion and design of procedure (definitions, methodology, tool and database)	01 Mar 2009	01 May 2011	1
3	Specification of simplified LCA computer software	01 May 2009	01 Nov 2010	1
4	Selection of 30 reference known eco-materials	01 Jul 2009	01 Jun 2010	1
5	Testing and setting of computer software with 30 reference eco-materials	01 Sep 2009	01 Jul 2011	1
6	Testing and setting of assessment procedure with 30 reference eco-materials	01 Nov 2009	01 Jul 2011	1
7	Selection of 150 eco-materials for all construction systems properly covering the 5 member states	01 Sep 2009	01 Nov 2010	2
8	Critical collection of requested data for 150 eco-materials	01 Sep 2009	01 Dec 2011	2
9	Evaluation of 150 eco-materials	01 Jan 2010	01 Dec 2011	2
10	Classification of 150 eco-materials	01 Jun 2010	01 Feb 2012	2
11	Market approach for 150 eco-materials	01 Jul 2010	01 Apr 2012	2
12	Design and specification of communication strategy - manufacturers	01 May 2010	01 Jun 2010	3
13	Design and specification of communication strategy - retailers	01 May 2010	01 Jun 2010	3
14	Design and specification of communication strategy - users	01 May 2010	01 Jun 2010	3
15	Design and specification of communication strategy - advisers	01 May 2010	01 Jun 2010	3
16	Implementation of communication strategy - manufacturers	01 Jul 2010	01 Dec 2012	3
17	Implementation of communication strategy - retailers	01 Jul 2010	01 Dec 2012	3
18	Implementation of communication strategy - users	01 Jul 2010	01 Dec 2012	3
19	Implementation of communication strategy - advisers	01 Jul 2010	01 Dec 2012	3
20	Design and specification of demonstration buildings	01 Jan 2009	01 Jun 2011	4
21	Implementation of the demonstration network	01 Jan 2010	01 Dec 2012	4
22	Transnational visits to the building sites at various stages	01 Jan 2010	01 Dec 2012	4
23	BENCHMARK AND PARTNERSHIP WITH LIFE CYCLE DATABASES AND LIFE CYCLE CALCULATION TOOLS FOR THE BUILDING INDUSTRY IN NORTH WEST EUROPE	01 Sep 2013	01 Dec 2013	5
24	ADAPTATION OF CAP'EM DATA FOR INCORPORATION IN THE PARTNERS' TOOLS	01 Dec 2013	01 Jul 2014	5
25	EXTENSION OF THE CAP'EM BUILDING PRODUCT COMPARISON SYSTEM WITH 'GATE-TO-GRAVE' DATA AND BESPOKE ADAPTATION TO EACH REGIONAL TOOL.	01 Feb 2014	01 Jul 2014	5
26	TRANSNATIONAL LIFE CYCLE IN BUILDINGS EVENT	01 Apr 2014	01 Jul 2014	5
27	ESTABLISHING A PROGRAMME OPERATOR	01 Sep 2013	01 Dec 2013	6
28	PRODUCTION OF A GENERAL PROGRAMME INSTRUCTIONS (GPI)	01 Dec 2013	01 Apr 2014	6
29	DEVELOPMENT OF PRODUCT CATEGORY RULES (PCRS)	01 Apr 2014	01 Jun 2014	6
30	PRODUCTION OF EPDS FROM CAP'EM DATA	01 May 2014	01 Aug 2014	6

