



A circular economy approach for lifecycles of products and services

Deliverable 8.1 Plan of exploitation and dissemination

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Summary

This document reports the dissemination and exploitation plan of the CIRC4Life project. It covers the dissemination and exploitation strategies, channels and activities to implement the strategies, and other related issues including resources and schedule for the implementation, as well the risks and mitigation measures.

The dissemination and exploitation plan is the first task of WP8 Dissemination and Exploitation. The rest tasks of this WP are also covered in Section 3 of this document, including 'Exploitation', 'Participation in publications, workshops, seminars, conferences and trade fairs/exhibitions', 'Policy alignment', and 'Training, teaching and education'.

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Acronyms and abbreviations

Abbreviation	Description
WP	Work packages
ICT	Information and communication technology
EEE	Electrical and electronic equipment
PM	Person-month

1 Introduction

Task 8.1 'Planning the dissemination and exploitation' (see Section 1.3.3. of WT3 Work package descriptions, Part A of ANNEX 1 of the Grant Agreement) is described as follows:

'A plan to complete the dissemination and exploitation activities will be developed, which will cover the following

- Develop the strategies engage the targeted audiences to increase awareness, understanding for adoption, internalization and/or integration of results.
- Identify the channels and tools for the dissemination and exploitation.
- Plan the resources and schedule activities for the dissemination and exploitation'.

This document is to report the plan developed by the consortium in order to successfully complete the dissemination and exploitation activities. It is structured as follows:

Section 2 is about the dissemination and exploitation strategies, which addresses the above first bullet point.

Section 3 addresses the above second bullet point and the resources issues stated in third bullet point. The channels and tools (means and activities) to implement the dissemination and exploitation strategies are presented in four sub-sections: 'Exploitation', 'Participation in publications, workshops, seminars, conferences and trade fairs/exhibitions', 'Policy alignment', and 'Training, teaching and education'. In addition, in each sub-section, the schedule of activities are also presented.

Section 4 identifies the risks and proposes the mitigation measures, in order to successfully implement the dissemination and exploitation plan.

Section 5 presents the resources for the dissemination and exploitation, which addresses the issue stated in the above this bullet point.

2 The strategies

"CIRC4Life" aims to achieve the following **objectives** for the dissemination and exploitation of the project results:

- Increased awareness of the "CIRC4Life" project's activities, outputs and benefits to targeted audiences. This approach will help with "word of mouth" type dissemination to build an identity and profile within the targeted community.
- Understanding for potential adoption which comprises activities that directly target audiences that can benefit from the project's offerings, and thus provide a deeper understanding of the project.
- Internalization and/or integration of results, aiming at moving from user awareness to user acceptance and promotes the willingness to make use of project's outputs, in order to ensure innovation capability growth.
- Securing the conditions for delivering innovations to the market paving the way to future commercial and non-commercial usage of CIRC4Life's outputs. This plan includes the specific IPR management strategy.

Target audiences for dissemination and exploitation of the project include the following (for further details, please refer to Section 2.2.1.2 of Part B, ANNEX 1 of the Grant Agreement):

Sectorial Associations and Networks of electrical and electronic equipment (lighting products and tablets in particular) and farming/agri-foods industry (at national and European level).

Decision makers and "influencers" involved in Industry, e.g. managers or directors within their organisations (e.g. pilot organisations or similar ones in the market/sector). In addition, the consortium aims to reach/contact professional associations, which provide educational courses to key decision-makers (CEOs, head of departments) in industrial organisations.

Academic community including research and academic organizations, scientific committees, international peer-reviewed journals, Internet Fora and other working groups related to the works foreseen in CIRC4Life.

Educational sectorial associations, networks and institutions.

Policy-makers, i.e. government bodies, especially at Member State and regional level, in charge of circular economy, sustainability, modernisation of education and social development policies.

The **main contents to be disseminated and exploited** include the following:

- Project's progress, findings and new challenges arising from the four demonstrators consisting on LED luminaire, tablets, farming products (vegetables), and meat-based products.
- Project's technology transfer experience.
- Training oriented material in order to support technical awareness and best practices learnt from the project results.
- New business models and processes arising from "CIRC4Life".
- Testimonials from SMEs, government bodies or stakeholders interested in potential adoption.

In order to support the products/services developed from the project to **reach their near to the market stage**, the project will implement the following **specific exploitation strategies** (for further information, please see section 2.2.1.6 of Part B, ANNEX 1 of the Grant Agreement):

- Exploitation through the meat supply chain via the ALIA Society
- Exploitation of LED Lighting products.
- Exploitation of vegetable products and farming
- Exploitation of the ICT platform via open access

- Exploitation of the traceability solutions developed in this project
- Exploitation of reusing/recycling of EEE

To increase the impact of the project results, **follow-up funding** will be pursued to ensure the dissemination and exploitation of the project results after the end of the project. For this purpose, co-operation through other regional funding programme to follow-up the CIRC4Life's outcomes (See Table 2.2.1 of Part B, ANNEX 1 of the Grant Agreement) will be considered.

Ensuring an effective implementation of dissemination and exploitation strategies, the dissemination plan will aim at ensuring that the project's outcomes are widely disseminated to the most relevant target audiences, at appropriate times, via appropriate methods, and that those who can contribute to the development, evaluation, dissemination, uptake and exploitation of the CIRC4Life outcomes can be identified and be encouraged to participate.

The dissemination and exploitation plan will bring together current knowledge of target audiences, existing networks and priority activities during the project. It will be annually reviewed and updated based on project developments progress and potential future dissemination and exploitation events. All CIRC4Life partners will use their dissemination and exploitation networks, industrial partnerships, standardisation activities and long-standing experience in EU funded projects to support the dissemination and exploitation, either through direct participation in WP8 or through their respective technical WPs and activities.

In order to ensure the dissemination and exploitation activities are carried out on time, and target the right audiences, the Exploitation Manager and the Dissemination Manager of the project will coordinate an annual dissemination and exploitation plan, which will list all the relevant dissemination and exploitation activities, and the relevant project partner(s) intending to participate.

The two managers will regularly screen upcoming and new events, based on their suitability for CIRC4life outcomes, and the potential impact that could be achieved.

3 Channels and tools for dissemination and exploitation

The channels and tools (means and activities) to implement the dissemination and exploitation strategies are presented in four sub-sections: 'Exploitation', 'Participation in publications, workshops, seminars, conferences and trade fairs/exhibitions', 'Policy alignment', and 'Training, teaching and education', as detailed below. In each sub-section, the schedules of activities are also presented.

3.1 Exploitation

(1) Related Exploitation Strategies, Business models and CIRC4Life approach

In order to ensure the uptake and exploitation of the project results by industry (professionals and companies), academia and policy-makers from the consortium, and outside the consortium, the exploitation strategies have been planned as detailed in Section 2.2.1.6 of Part B, ANNEX 1 of the Grant Agreement. The exploitation strategies will be implemented to facilitate and ensure the exploitation of the results of the project by these stakeholders.

The development of circular economy business models for the electrical/electronic products and agri-food sectors, is one of the key objectives of this project. A generic business model framework will incorporate the different business models approaches presented and will describe the main underlying activities and interactions between the stakeholders (e.g. producers, consumers, policy-makers) that intervene in the whole supply chain. These business models and CIRC4Life approaches presented in Part B, ANNEX1 of the Grant Agreement, will then be optimized and demonstrated for the electrical/electronic products and agri-food sectors.

(2) Exploitation Channels and Activities

In order to ensure that these business models and the CIRC4Life approaches are adopted to achieve the impact expected and to implement the exploitation strategies, the following exploitation channels and activities are planned which will be actioned by the key actors, who are shown inside the brackets at the end of each item shown below, supported by the whole consortium:

- The two new lighting products-services-systems for domestic and industrial lighting applications developed by this project, will be prepared for commercialisation by the lighting companies of the consortium. In addition, they will be exhibited in lighting trade fairs and presented in conferences (KOS and ONA).
- The findings related to EEE (lighting sector) will be exploited by lighting professionals and industry through a number of onsite demonstrations, events, reports, standards and educational courses imparted/informed by a list of EU and national lighting associations (Kosnic, Ona, NTU).
- The implementation of the CEBM related with the agri-food industrial sector within ALIA's association members (ALIA).
- The deployment of the CEBM in small scale farming products and organic vegetable in Scilly Organics and their business members, and subsequently scale up via existing networks of vegetable growers across Europe (JS and IEIA)
- The implementation of the recycling-reuse system in cities. The system will be demonstrated in a Spanish regional school, where tablets will be re-used. This demonstration will be followed by a plan of how to implement the system in other EU countries (Indumetal, Recyclia).
- The preparation for open access of the ICT platform developed in the project (ICCS, ENV, EECC).
- The implementation in the market of the Traceability techniques EPCIS with CEBM developed in the CEBM approaches (EECC, GS1).
- The developed recycling incentive scheme will be implemented and followed-up (Recyclia, Indumetal)

The IPR agreement will be prepared to facilitate the exploitation of the project results. The background (pre-existing knowhow) of the consortium partners will be described, so that it can be differentiated from the foreground (findings delivered by CIRC4Life). The partners will file provisional patent applications on any

promising developments pending research into their potential. Competing patents for which licensing may be needed will be searched.

The focus is to exploit the innovative solutions during and after the end of the CIRC4Life project. As part of this, the above described activities will make the benefits of the project results visible to all key stakeholders and their networks, while supporting and enabling the application of the project results in different ways.

All involved consortiums partners have valuable and far-reaching networks, that will ensure and support the exploitation of the developed circular economy business models. The CIRC4Life project results will be exploited as part of different activities like speaker slots on conferences, workshops and seminars, presented at trade fair and exhibition with its own stand or publication in well-known journals. This exploitation activities will be summarized in deliverable D8.3 in the end of the CIRC4Life project (M35).

Schedule for conducting the exploitation activities

The following timetable is planned to achieve the expected results of the dedicated exploitation strategies.

- Kick-off the activities, M18
- Continue conducting the activities through the period M18-M34
- Develop the report of Deliverable D8.3, M33-M35

3.2 Participation in publications, workshops, seminars, conferences and trade fairs/exhibitions

The following activities via relevant channels will be conducted by the project consortium in order to disseminate the project objectives, contents and outcome to a wide range of audiences:

- (1) **Publications in peer-reviewed journals with open access** in circular economy, sustainability, product design and manufacture, policy and related areas of this project, such as
 - Journal of Cleaner Product, <https://www.journals.elsevier.com/journal-of-cleaner-production/>, impact factor 6.651;
 - Journal of Industry Ecology, <https://onlinelibrary.wiley.com/journal/15309290>, impact factor 4.365;
 - Resources, Conservation and Recycling <https://www.journals.elsevier.com/resources-conservation-and-recycling>, impact factor 5.228; and
 - Sustainability <http://www.mdpi.com/journal/sustainability>, impact factor 2.177

It is planned that the seven research partners (NTU, CIRCE, LAU, IEIA, SWE, CEPS and ICCS) will try, to the extent possible and depending on their internal resources, to publish three papers per partner in average and **21 papers in total**. This project has allocated 42,000 Euros for the open access publication fees (2,000 Euros per paper), as detailed in Section 4 of this document.

(2) Presentations at International, national and local conferences, seminars, and workshops.

Examples of such events are shown in Table 2.2.2 of Part B, ANNEX 1 of the Grant Agreement. The participations of such events are updated in line with the progress of the project and availability of suitable events, to disseminate the CIRC4Life project at various levels (EU organised international events, large international conferences, across EU projects, and organisational internal events, etc.), for example,

- NTU and ICCS will participate in the World Circular Economy Forum (WCEF), 22-23 October 2018, <https://www.sitra.fi/en/events/world-circular-economy-forum-2018-programme/#>, Yokohama, Japan and the EASME side event "New Services for a Circular Economy" to be held alongside the WCEF on 24th October 2018 to be organised by the European Commission, aiming to create synergies among the new circular economy projects and increase international visibility to the innovative solutions that will be demonstrated in the coming years.

- CIRCE will participate in the 32nd International Conference on Efficiency, Cost, Optimization, Simulation and Environmental Impact of Energy Systems (ecos2019), 23-28 June 2019 (abstract deadline 22 November 2018) Warsaw, Poland <http://www.s-conferences.eu/ecos2019>, to disseminate the project at a large international scale.
- ALIA will present the CIRC4Life project at the kick-off meeting of a European project called 'RE-LIVE WASTE: Improving innovation capacities of private and public actors for sustainable and profitable REcycling of LIVEstock WASTE', 25 - 27 July 2018, Sassari (Sardinia), Italy, for dissemination and collaboration opportunities between EU supported projects.
- NTU team presented the CIRC4Life project at the 2017-2018 ADBE School Research Conference, 21-22 June 2018, enabling the dissemination the project across the Nottingham Trent University.

It is planned, on average, **for each partner team of the consortium to try to participate in three international conferences.**

(3) Presentations at International/national Trade-fairs.

The outcome of the project will be demonstrated with electrical products and agri-foods. The products resulted from the project will be exhibited in relevant trade fairs and industrial exhibitions such as:

- ANUGA World Trade Fair of Food Industry (7100 companies, 158600 visitors);
- Meat Attraction National meat sector trade fair, Madrid, Spain;
- SEPOR National Livestock Industrial and Agri-food Trade Fair, Lorca, Spain;
- "Edi.live", the UK leading annual trade fair of energy and resource efficiency and sustainability for business;
- The annual trade fair "Strategies in Light", the largest lighting trade fair in the world.
- The CEBMs demonstrated by Scilly Organic vegetable farm will be deployed through business members trade membership organisations, such as Organic Growers Alliance, UK.

Considering the products or their prototypes will be available at a late stage of the project, it is expected to participate in the trade fairs/exhibitions at the late of second year or 3rd year of the project.

Schedule for conducting the activities mentioned in the above sub-sections (1), (2) and (3):

- Planning the activities, M1-M3
- Conducting the activities stated in sub-sections (1) and (2), continue throughout the project period, M1-M35
- Conducting the activities stated in sub-section (3), continue throughout the 2nd half of the project period, M19-M35
- Recording the activities in the SharePoint, within 2 weeks after completing each activity.
- Schedule, review and report the activities to the project board, annually in M12, M24 and M36
- Deliverable D8.1 Plan of dissemination and exploitation, M3
- Deliverable D8.3 Report on the activities of exploitation and disseminations (publication, conference/workshop/seminars presentations, training, teaching and education), M35

3.3 Policy alignment

(1) Identification of the barriers and enablers to the implementation of circular economy policies

During the first phase of the project (M2-M8, June to December 2018), CEPS in consultation with the partners will create an inventory of relevant policies and regulations at the EU level and in selected Member states. CEPS will provide an excel table (or a similar format) where the policies and regulations will be included. The compilation of the inventory will be essentially based on desk/Internet-based research of European institutions

and national government websites complemented if needed by short interviews with European Commission and national governments' officials.

Based on the case studies developed in this project CEPS will identify the barriers and enablers to the implementation of circular economy policies (M16-M24 – August 2019 to April 2020). This work will be carried out in close collaboration with the leaders of the case studies. The partners involved in the implementation/demonstration phases will suggest the companies to be contacted for feedback on barriers and enablers.

(2) Key elements of the dissemination process

The process of dissemination will include three main elements:

- A Mid-term Policy Workshop (M20-M24, organisation of this event will take place between December 2019 and April 2020)
- A Report (Deliverable 8.2) including on the policy work conducted in this project (M33, January 2021)
- A Policy Brief/Dossier (Milestone Ms8) compiling the policy recommendations project in a format accessible to time-constrained policy-makers (M33, January 2021)

Mid-term Policy Workshop:

The process of identifying barriers and enablers will be supported by discussions with stakeholders in the context of a Mid-term Policy Workshop, which will be organized by CEPS in collaboration with the partners¹ at a suitable timing during the second part of the period attributed to the above task. The workshop will be typically organized within the Brussels CEPS premises, which are conveniently located close to the European institutions and to the central station. CEPS premises include several conference rooms, equipped with up to date audiovisual material. The workshop will consist of a short presentation by a CEPS researcher of the findings to date (c. 20 minutes), followed by presentations by the case-studies leaders (10 minutes each). These presentations will be followed by comments from selected stakeholders (5 to 7 minutes each) and a roundtable discussion with the rest of the workshop participants. The workshop will gather between 30 and 50 stakeholders including policy-makers, industry, associations, research/academia and NGO representatives. Among the objective of this workshop will be to disseminate to policy makers and other stakeholders the project results up to this period. The results of the workshop will also feed into the development of the Policy Brief/Dossier.

Report:

Once the process of identifying barriers and enablers is completed, a report on policy alignment will be drafted and will include i) an inventory of policies and regulation, ii) an analysis of barriers and enablers to the implementation of the CEBMs, and iii) the policy dossier including evidence-based policy recommendations. The report will include both our in-house research and the results of the discussions held at the Mid-term Policy Workshop.

CEPS/CIRC4Life Policy Brief/Dossier:

CEPS will produce a Policy Brief/Dossier branded CEPS/CIRC4Life Policy Brief, which will provide cross-cutting policy recommendations. The Policy Brief/Dossier will be part of the Report on the policy work (Deliverable 8.2). The Policy Brief/Dossier will be approximately 10 to 15 pages long and will summarise the main conclusions of the research relative to Task 8.4. It will provide thematic & horizontal evaluations and will be aligned along key messages for policymaking facilitation. The Policy Brief/Dossier will be produced in the well-established CEPS format consisting in presenting concise, policy-oriented analysis in a format that allows time-constrained policy-makers to access the key messages. The Policy Brief/Dossier will be published on the CEPS (www.ceps.eu) and

¹ All relevant partners will suggest speakers

CEPS Energy Climate House (www.ceps-ech.eu) websites, as well as the project's website and disseminated through social media.

The Report and its Policy Brief/Dossier will be disseminated to policy makers and other relevant stakeholders through the following actions:

- They will be sent via e-mail to those policy-makers and other stakeholders at the EU and member state level who participated in the process (e.g. at the Mid-term Policy Workshop, or whom we interviewed in the process of identifying policies & regulations, and barriers & enablers).
- CEPS in collaboration with the partners will identify further relevant stakeholders in their respective networks who may have a specific interest in this topic and bring the policy results of the project to their attention.
- The policy work of the project will be presented in key policy events where CEPS is invited to participate. For example, CEPS is a knowledge platform of the Green Growth Knowledge Platform (GGKP), a large international network initiated by the OECD, the World Bank, UNEP and the Green Growth Institute. As a knowledge partner CEPS participates in various events that bring together policy makers working on the green economy from around the world. CEPS can disseminate the policy results during these events.

Schedule for conducting the activities

- CEPS provides template for inputting identified policies and regulations, M5
- Comments by selected partners on legislative areas to be assessed, M6
- Finalisation of inventory of policies and regulations, M9
- Start work on barriers and enablers & suggestions by partners on companies to provide, M16
- Preparation Mid-term Policy Workshop: Comments by partners on agenda/speakers, M21
- Mid-term policy workshop & finalizing list of barriers and enablers, M24
- Start work on policy recommendations, M24
- Produce policy recommendations and first draft of D8.2, M31
- Submission of D8.2 and MS8, M33

3.4 Training, teaching and education

The outcome of the CIRC4Life project will be disseminated via business training and higher education as detailed below.

(1) Training to business audience

This will be conducted through two different channels: online and onsite. Training materials will be developed first, based on the CIRC4Life project outcome, for business audience to update their knowledge in circular economy. The onsite training will be delivered via training courses and workshops run by Swerea. The online training will be conducted with the MOOCs (Massive Open Online Courses) as a means for transferring the results to a larger audience. Swerea has been involved in developing a MOOC for Design for R (Reuse, Repair, Remanufacturing, Recycling...) funded by an EIT Raw Material project and will use this MOOC to further disseminate the CIRC4Life project outcome.

(2) Dissemination of the knowledge gained in CIRC4Life in universities and research centres

The following actions will be carried out by the universities and research centres:

- To utilise the outcome from the CIRC4Life Project in Undergraduate and Master courses: each university or research centre will select one or several courses in the subject area of Circular Economy and will reserve a lecturing space for showing lessons learnt from CIRC4Life Project and the development of short academic projects for students. To that end, materials will be developed and shared among partners in order to have a common approach. For instance, CIRCE will closely work with the University

of Zaragoza in the course “Energy sustainability”, offered for master students online and on campus. The number of students reached will be over 50 every year and come from different parts of the world, not only from Spain.

- Undergraduate and master student theses: the aforementioned courses will foster the promotion of undergraduate and master theses in line with the activities of CIRC4Life project. The aim is that every year (starting from 2019), at least one undergraduate or master thesis is promoted per university/research centre.
- PhDs: the input of PhD students to the project will be important to achieve not only innovative solutions, but also key research findings. This is why CIRC4Life will foster the involvement of PhD students whose thesis are in line with the project’s objectives. The challenge is that at least one PhD student per partner university (SWE, NTU, LAU and CIR) initiates his/her studies on the topics covered by CIRC4Life project.

In addition, the website is the main communication tool for the project, where all the dissemination materials will be published in a timely manner. The website is an interactive environment that will give access to all the aspects related to training, teaching and education in relation to the CIRC4Life project. Website will be linked to social media in order to be attractive to general public and be rapidly accessed by interested stakeholders and general audience.

Schedule for conducting the activities:

- Plan of the activities: M3
- Conducting the activities throughout the project duration, which is divided into 3 periods: M1-M5 (activities mainly related to planning); M6-M17 (execution); M18-M30 (execution).
- Recording the activities in the SharePoint, within 2 weeks after completing each period (M6; M18 and M30).

3. Risk management and mitigation

In order to successfully implement the dissemination and exploitation plan, the following risks have been identified together with their mitigation measures. These were initially presented in the proposal, and further confirmed at the project kick-off meeting. They will be carefully monitored during the project.

No.	Risk description	Proposed Risk-mitigation measures
1	Standards/policies/other barriers prevent the use of new CEBM totally or partly	During the development of the CEBM, present and future standards/policies and other things are taken into account, but we will also point out obstacles to policymakers, in order to help them develop better policies for a Circular Economy.
2	Failure to exploit the results of the project in industry	An analysis of the possible barriers for adoption of the CEBM developed has been devised in the work plan to ensure the implementation and exploitation of the CEBM in industry, and achieve the expected impact. If, despite this, the CBEMs were not adopted/used by industry, then professional associations from the EEE and agri-food sectors would be contacted to prepare an incentive plan for the members of these associations willing to adopt and try these CBEMs. This incentive plan could be financially supported by regional funding after the end of project (i.e. follow-up funding).
3	Tasks do not meet stated time schedule	The Consortium Agreement will be signed by all partners at the beginning of the project. In the agreement, guidelines for managing knowledge and IP will be described.

Table 3.1 Dissemination/exploitation Risks and mitigation measures

4. Resources

(1) Financial resources

Financial resources to conduct the activities for publications in open-access journals

It is planned that the seven research partners (NTU, CIRCE, LAU, IEIA, SWE, CEPS and ICCS) will publish three papers per partner in average and 21 papers in total. This project has allocated 42,000 Euros for the open access publication fees (2,000 Euros per paper), which will be centrally-controlled for open-access publications only. The research partners will work with other relevant partners of the consortium to develop the journal papers.

Financial resource to conduct the activities for presentation at the international conferences:

It is planned, in average, **for each partner team of the consortium to participate in three international conferences**, and 7,500 Euros is allocated to each team to do so.

Financial resource to conduct activities of presentation at trade fairs and industrial exhibitions:

The industrial partners of the LED lighting and meat product manufacturers have been allocated 40,000 Euros for attending the trade fares and exhibitions.

The financial resources related to the other activities of the dissemination and exploitation are included in each partners costing presented in Section 3.4 of Part B, ANNEX 1 of the Grant Agreement.

(2) Person-months allocation

The person-months for dissemination and exploitation activities are shown in Table 4.1. Please note that the PMs shown in the table is planned numbers, which may change during the dissemination and exploitation implementation, but the change cannot lead the partner's total PMs over the number stated in Part A, ANNEX 1 of the Grant Agreement.

Partner No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Partners	NTU	ENV	JS	KOS	CIR	EECC	IEIA	SWE	MMM	ONA	IND	GS1G	LAU	CEPS	ICCS	REC	ALIA
PMs for EXP	2	1	1	2	0	2	1	2	0	2	1	4.5	0	0	2	1.5	3
PMs for PP	3	0.5	0.5	0.5	3	0.5	1	1	0.5	0.5	0.5	0.5	3	1	3	0.5	0.5
PMs for PA	0	0	0	0	0	0	2	0	0	0	0	0	0	7	0	0	0
PMs for TTE	2.5	0	0	0	2.5	0	0	2	0	0	0	0	2.5	0	0	0	0

Table 4.1 Planned person-months for dissemination and exploitation activities

Note: In the above table, the meaning of the abbreviations PM, EXP, PP, PA and TTE are as follows:

PMs = Person-months

EXP = Exploitation,

PP = Publications and Participation in workshops, seminars, conferences and trade fairs/exhibitions,

PA = Policy alignment, and

TTE = Training, teaching and education