



LIFE Project Number
LIFE07 INF/FIN/000152

Mid-term Report
Covering the project activities from 01/10/2009 to 14/06/2010

Reporting Date
14/06/2010

LIFE+ PROJECT NAME or Acronym
Climate Change Community Response Portal

Data Project

Project location	Finland
Project start date:	01/01/2009
Project end date:	31/12/2011
Total budget	€1,987,534
EC contribution:	€990,317
(%) of eligible costs	50

Data Beneficiary

Name Beneficiary	Finnish Meteorological Institute
Contact person	Mrs Hanna Niemi-Hugaerts
Postal address	Erik Palménin aukio 1, FI-00560 Helsinki
Telephone	+358 50 361 3315
Fax:	+358-9-19293146
E-mail	Hanna.niemi-hugaerts@fmi.fi
Project Website	Fmi.fi/cccrp

1. Table of contents

1. Table of contents	2
2. List of key-words and abbreviations	3
3. Executive summary	4
3.1. General progress	4
3.2. Assessment as to whether the project objectives and work plan are still viable	4
3.3. Problems encountered.....	4
4. Administrative part	5
5.1.1. Action 1: Management and monitoring	7
5.1.2. Action 2: Climate Change Explained Wizard.....	10
5.1.3. Action 3: Climate data and scenarios wizard.....	12
5.1.4. Action 4: Climate impacts wizard.....	13
5.1.5. Action 5: Community response wizard.....	14
5.1.6. Action 6: Climate change community response portal (CCCRP).....	15
5.1.7. Action 7: Communication and dissemination	16
5.2. Envisaged progress until next report	18
5.3. Impact:	20
6. Financial review by actions.....	21
7. Annexes	22
7.1. Deliverables.....	22
7.2. Dissemination materials.....	22
7.3. Maps, drawings, technical designs, technical memos etc. as appropriate.....	22
7.4. Output indicators	23

2. List of key-words and abbreviations

AFLRA – Association of Finnish Local and Regional Authorities
CANEMU - Carbon neutral municipalities
CaRePol - Climate Change Adaptation in Norway, Sweden and Finland – Do Research, Policy and Practice meet?
CCCRP – Climate Change Community Response Portal
CHAMP – Climate Change response through Managing Urban-27 Platform
CHel – City of Helsinki
CIV – Climate Impacts Wizard
CK – City of Kuopio
CKer – City of Kerava
CL - City of Lappeenranta
COR – Council of Oulu Region
CFREC – Central Finland Regional Environment Centre
CRoi – City of Rovaniemi
CRii - City of Riihimäki
CSPR - Centre for Climate Science and Policy Research, Linköping University
FMI – Finnish Meteorological Institute
FNBE - The Finnish National Board of Education
HEUREKA - The Finnish Science Centre Heureka
IMMU- Mitigation of climate change with local actions
ISTO - Climate Change Adaptation Research Programme ISTO
Julia2030 – Mitigation of and Adaptation to the Climate Change in Metropolitan Areas – From Strategy to Implementation
KNMI – Royal Dutch Meteorological Institute
ME – Ministry of the Environment
MP – Municipality of Parikkala
PM – Project Manager
PMO – Prime Minister’s Office
PT – Project Team
PTG – Pilot Test Group (= project pilot group)
RCCF - Regional Council of Central Finland
RCSC – Regional Council of South Carelia
SEI - Stockholm Environment Institute
SG – Steering Group
SNOWCARBO – Monitoring and assessment of carbon balance related phenomena in Finland and northern Eurasia
SYKE – Finnish Environment Institute
TCR - Joint Authority of Tampere Central Region
UKCIP - United Kingdom Climate Impacts Programme
UCR – Uusimaa Regional Council
VACCIA - Vulnerability Assessment of ecosystem services for Climate Change Impacts and Adaptation
VTT - Technical Research Centre of Finland
YLE – Finnish National Broadcasting Company
YTK – Helsinki University of Technology
YTV – Metropolitan Area

3. Executive summary

3.1. General progress

The general progress of the project during the reporting period has been very satisfactory. We have completed many milestones, out of which the release of the technical pilot of the portal (<http://pilotti.ilmasto-opas.fi>, username: eulife password: a2a5qc2b) was the most important one, and started work on almost all of them. The name for the final product as well as the visual identity of it have been decided, which, even though not listed as one of the milestones, has been a major step for the project both in perspective of the publicity as well as internally for the spirit in the project.

3.2. Assessment as to whether the project objectives and work plan are still viable

Based on the feedback we have received when presenting the project in various events and on the progress that we have made after Inception report, we feel very confident that our project plan and its objectives are viable. Despite of the delays we had in the preparatory phase, we are now back on schedule and there are no more delays at sight. We have been able to hire the competent staff needed for us to be able to catch up with the preliminary plans. We have also developed a programming team consisting of staff from both SYKE and FMI, making the programming work more efficient. To manage this work we are using JIRA, a web-based project management tool. To work more efficiently together the beneficiaries are using the project's online community to publish their work and to get comments from each other on articles and other content they have created for the pilot before actually before publishing those on the pilot portal.

3.3. Problems encountered

- There are no problems foreseen that would have implications for future actions or somehow jeopardize the project goals.

4. Administrative part

4.1 Project management

- *Describe what the project manager and other representatives of the coordinating beneficiary have done to organise/co-ordinate the project: meetings, seminars etc. What the associated beneficiaries have done.*

The Project Manager (PM) has been responsible for arrangements for the Project Team (PT) (Annex 2) and the Steering Group (SG) (Annex 3) meetings. Financial management team include one person from each of the three beneficiaries. They work in the administration of the beneficiaries and assist the project manager and the project team to keep track of costs.

PM has been responsible also for organising the meetings of the Communication and dissemination team (CDT) (Annex 12).

One report (excluding this Mid-term report) has been delivered since the start of the project: Inception report (30.9.2009).

There have been joint meetings for the content producers from Actions 2, 3, 4 and 5 to coordinate better the content production and harmonize the content provided by each action.

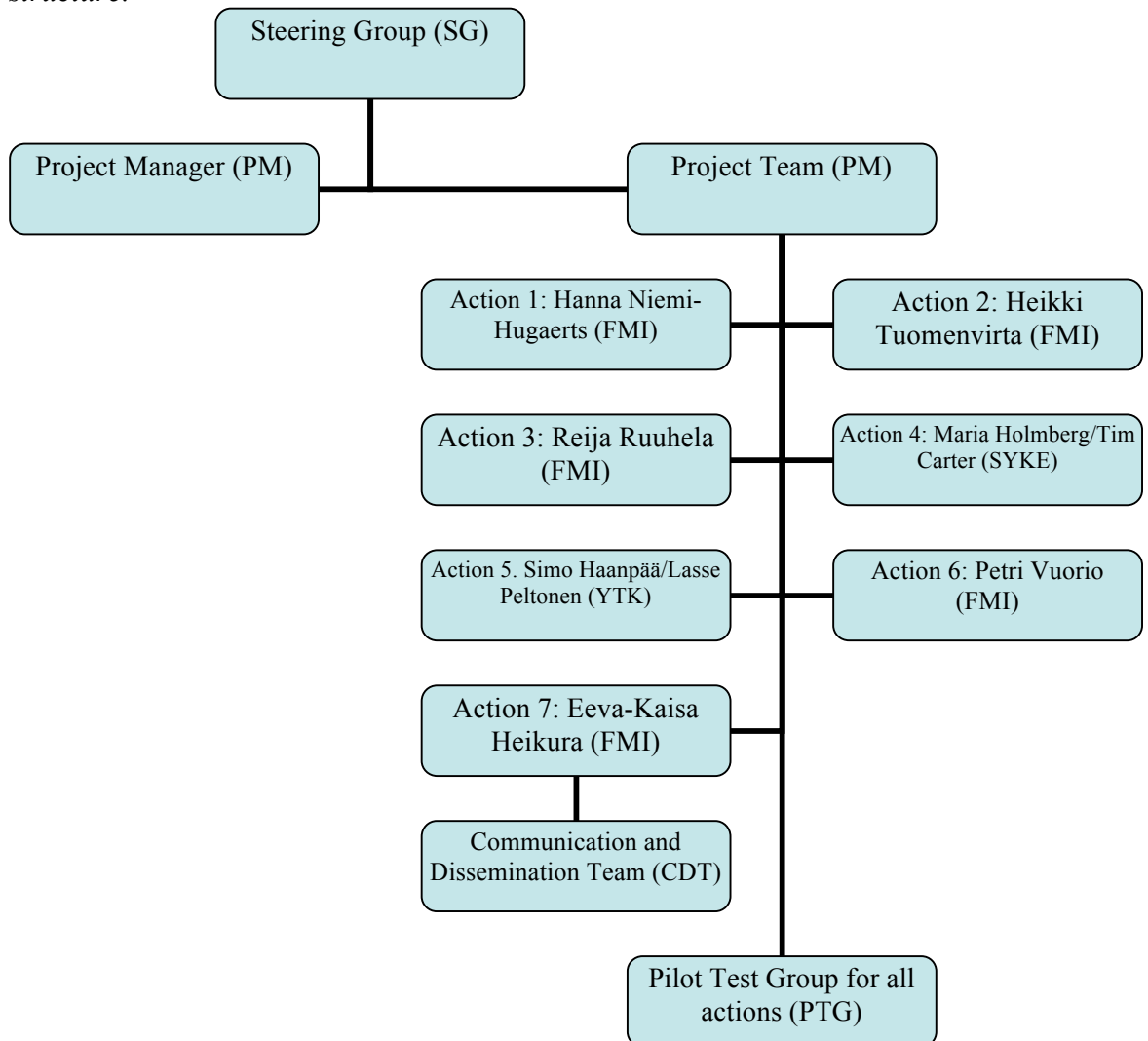
4.2 Changes in the administration of the project

The project manager of the CCCRP project changed 1.3.2010. The current project manager is Mrs Hanna Niemi-Hugaerts. Petri Vuorio has taken Niemi-Hugaerts' place as the responsible person of the action 6. Mrs Reija Ruuhela (FMI) replaced Mr Ari Venäläinen (FMI) as the responsible person for Action 3 since 1.11.2009.

The associated beneficiary number 3, Helsinki University of Technology (YTK) of the CCCRP project has merged with two other universities (Helsinki School of Economics and the University of Art and Design Helsinki) into a foundation-based Aalto University. All commitments of Helsinki University of Technology (YTK) regarding project LIFE07 INF/FIN/000152 (CCCRP) have been transferred of to Aalto University as of the 1st of January 2010. We will make an amendment of this change after the mid-term has been approved, as we were directed to do.

4.3 Organigramme of the project team and the project management structure

- *A clear informative organigramme of the project team and the project management structure.*



5. Technical part

5.1. Actions

5.1.1. Action 1: Management and monitoring

Sub-action 1.1 Administrative, technical and financial aspects

Management of the project has been described in 4.1 and there has been a Project Manager (Karhu/Niemi-Hugaerts) working full time solely on this project since beginning of 2009. During 1/10/2009 to 14/06/2010 the PT has had meetings 6 (planned target 9) and the SG three times (according to the planned schedule) with attending rate of 64% (11/15, 9/15, 9/15). Dates, places, participants and the minutes of the PT meetings are in Annex 2 and Annex 3 contains the same information for the SG meetings. The composition of both SG and PT corresponds with that described in the project proposal. Listings of the members of the PT, SG and the Pilot Test Group (PTG) are in Annex 6.

The less than planned amount of PT meetings can be regarded as sufficient as we have been using the project's online community as a platform for collaboration. In addition there has been joint meetings between different actions for the content production and the map tool.

In the inception report there were mentioned some problems we foresaw at that point, but we have discovered that their nature is mainly financial and transferring costs from one category to another can easily solve them. We have looked into this issue with our monitors and it is now clear that these changes call for no additional amendment request due to the small amount. This also allows us to address the problem we foresaw with us having too little contact with the end users, as we can direct some money that was budgeted for other things to strengthening this dialog.

We have looked at the issues raised in the Annex to letter ENV/E-4/FN/bb Ares (2009) 330392 and taken action accordingly.

General

Please find the corrected output indicator table 6 Publications with budgeted costs as an Annex 25 to this report.

Commission asked the project to provide Please find more detailed information how the project is planning to raise the interest of media in order to comply with the indicators in form of the publicity plan of the project attached as an Annex 8 to this report.

Technical issues

Please find the completed detailed implementation plan with Life logo attached as Annex 11 to this report.

Please find the project deliverable Report of survey on user needs (actions 2-6) with Life logo attached as Annex 17 to this report.

Please find the completed evaluation plan for actions 2-6 attached as Annex 9 to this report.

The non-operational project web site of the YTK

http://ytk.tkk.fi/tutkimus/hankkeet/climat_cange has been corrected to

<http://ytk.tkk.fi/fi/tutkimus/hankkeet/cccrp/> (in Finnish) and

http://ytk.tkk.fi/en/research/projects/cccrp_en/ (in English).

Financial issues

The comments on Overheads and allocation of Web tools workshop costs have been noted. In TES documents the current situation of finances can be seen.

Sub-action 1.2.Monitoring

The project progress and results are being monitored by the SG. In the fifth SG group meeting (Annex 3) PM presented an overview of the project progress and it was discussed by the SG. All in all the SG has been satisfied with the progress of the project. Milestones, deliverables, reports to LIFE+ Programme as well as the Indicators of progress listed in the Technical application forms Part C –detailed technical description of the proposed actions will be used to monitor the progress and results of the project.

We have chosen Jarkko Westman from Oy Auditor Ab as the independent auditor to make the independent financial auditing in February 2012.

Sub-action 1.3 Project work support

Members of the project team have taken part in trainings to support their work in this project. There were four types of training organized: on project work, on writing for websites, on Liferay application development and on using Liferay as a content management tool.

The training related to project work and it was organized at FMI on 9th and 10th of December. Juha Karhu, Tapio Kytö, Mikko Laapas and Hanna Niemi-Hugaerts attended this training. Training was paid by FMI.

The training for Liferay application development was organized at FMI on 15th and 16th of February. Two members of the project team attended this meeting. Training was organized by Solita and paid by the CCCRP project.

The training for web authoring was organized in three different occasions: first one was organized at FMI on December 3rd. Three members of project team attended this training and the notes from this training can be seen in Annex 16. The second training, similar to the first training, was organized also at FMI on 12th of January. A third training with slightly different content was organized in SYKE on May 11th. Most of the content producers from SYKE took part in this training. These trainings were organized and paid by FMI and SYKE.

Internal training for the content providers in the use of Liferay as a content management system has been organized in April and May. There were no additional costs for this training.

Sub-action 1.4 Networking

The excellent level of networking established during the first reporting period has been maintained and the contacts have been held alive. Concrete results of networking are beginning to emerge as CCCRP has been chosen to be a basis for interministerial climate change communication in www.

The CCCRP project continues networking at multiple levels: Life+ projects (VACCIA, SNOWCARBO, CHAMP, Julia2030), other regional (BalticClimate, BaltCICA) and national ongoing projects (CANEMU, Maverick, IMMU), national institutions (Uni Lapland, The Finnish Science Centre Heureka, Central Finland Regional Environment Centre, Regional Council of Central Finland, Department of Communications at the University of Helsinki, MediaLab at the University of Art and Design Helsinki) and organizations (Demos), Nordic

projects (CaRePol) and organizations (Norwegian Meteorological Institute, The Directorate for Civil Protection and Emergency Planning of Norway, Danish Energy Agency), European level (UKCIP, KNMI, EC DG Environment) and international level (Environment Canada, Stockholm Environment Institute).

Table 1: Status of the milestones of the project

Name of the Milestone	Action code	Deadline	Status
project web site released (http://fmi.fi/cccrp)	7.1	27.2.2009	completed
the first Steering Group meeting (Annex 3)	1	31.3.2009	completed
project pilot group established for actions 2-6 (Annex 14)	1	31.5.2009	completed
eLearning solution and content designed, software selected	2	30.9.2009	completed for the relevant parts
content selected and presentation forms defined	3	30.9.2009	completed
content selected and presentation forms defined	4	30.9.2009	Started, will be completed by 31.12.2009
release of pilot Climate Change Explained Wizard	2	31.5.2010	Completed
release of pilot Climate Data and Scenarios Wizard	3	31.5.2010	In progress
release of pilot Portal	6	31.5.2010	Completed
preparation of impacts research to suit CIW	4	31.8.2010	Started
release of pilot Climate Impacts Wizard	4	31.12.2010	Started
release of pilot Community Response Wizard	5	31.12.2010	Started
seminar for research results providers and pilot group of actions 2-6	1	28.2.2011	not started
Portal released (Finnish)	6	30.8.2011	Started
1st user seminar for the target group	7	15.9.2011	not started
last user seminar for the target group	7	15.12.2011	not started
survey of user comments on Portal + all the Wizards	1	15.12.2011	not started
Final modifications to Portal and the Wizards	1	15.12.2011	not started
English and Swedish versions of Portal + Wizards released	1	15.11.2011	not started

5.1.2. Action 2: Climate Change Explained Wizard

This action produces awareness raising information on climate change based on material created by the expert organisations. Wizard provides relevant information to assist in the use of other wizards and tools of the Portal. In addition, visits to the web-site should motivate users to increase their knowledge and take action to mitigate and adapt. Climate Change Explained Wizard of the CCCRP Portal should primarily work as an online assistant for users in their tasks.

Sub-action 2.1. Preparatory phase (01/01/2009-30/09/2009)

Status: completed

During the preparatory phase all our aims were reached in the sense that they are relevant to our updated plans. Based on user surveys we took the approach of creating modular content that can be used to support the more practise-based content (such as Community response wizard) in the portal. This approach also supports our goal better, as we want the users to not only understand climate change but also to take action by adapting and mitigating.

We tested solutions for organizing and capturing webinars. Practical knowledge was documented in the project website and can be used to produce additional material for the Portal. No single software was chosen for the production of the e Learning module, instead multiple softwares will be utilized.

Sub-action 2.2. Implementation phase (01/10/2009 – 31/12/2011)

Status: in progress

The work description below follows the detailed implementation plan of Action 2 (Annex 11 in the CCCRP mid-term Report)

Content specification

Most of the features of the Climate Change Explained Wizard utilize text articles. The format of the articles (titles, content, graphical material, referencing, key words, links etc.) have been specified in a working document (in Finnish). Article topics and structure of articles in the Wizard have been specified and can be found at the project web site. In addition, topics for eLearning modules have been collected at the project web site. Two of them were selected for the pilot.

Content Design

Prototype of the Glossary tool has been designed. Digital templates of articles follow the structure and format of the articles. Two eLearning modules (“Sea Level Rise” and “Timeline”) have been planned. (Annex 7, p.4-5) Designing of two other eLearning modules (“Carbon Cycle” and “Calculation of Radiative Forcing”) have been commenced. With the eLearning modules we mean explanatory (in most case interactive) animations or other type of interactive visualizations that are focused on illustrating processes, phenomena or terms related to climate change.

Content Production

Content production has been the most labour intensive part of Action 2 during the reporting period. About fifteen authors have been drafting the articles in the three partner institutes. The pilot portal contains about 70 articles and their number is increasing steadily. Articles cover most of the topics on climate science and mitigation as well as selection of articles on climate change impacts and adaptation. Most articles on impacts, adaptation and mitigation focus on Finland whereas global issues remain to be covered.

Sea Level Change was selected as one of the eLearning models produced for the pilot. The topic offers possibility to present mechanisms, impacts and adaptation on an interactive world map. The other topic is a eLearning module "Timeline of the Earths past climate variations". In the module user can explore the climatic history of Earth during its existence 4,6 billion years in relation with tectonic activity (a prime source of climate variation in hundreds of millions of years timescale) and evolution of life. The interactivity of the module will be increased during the next reporting period. Macromedia Flash was utilised in the production of e Learning modules. (Annex 7, p.4-5 or <http://pilotti.ilmasto-opas.fi/ilmastonmuutos/-artikkeli/merenpinnan-nousu-kartalla> and <http://pilotti.ilmasto-opas.fi/ilmastonmuutos/-artikkeli/kylmien-jaatikoitymisvaiheiden-esiintyminen-maapallon-ilmastohistoriassa> in the pilot website)

"Glossary tool" -module assists the user to check meanings of unfamiliar terms in the easiest possible way. A user interface/widget prototype has been programmed where a term can be "opened up" in the browser without leaving the page to a different tool elsewhere in the web. The glossary tool will be based on the widget and updated and expanded version of EnDic internet glossary. The existing EnDic dictionary will be updated and expanded by adding climate change related terms and their explanation in three languages. Existing terms in EnDic will be checked from the climate change point of view and explanatory parts may be added. Planning of the "Glossary tool" has begun and it will be implemented during the next reporting period.

Main tasks lying ahead for Action 2 in Implementation Phase are (see Annex 11 for details):

- Produce remaining text articles
- Produce more eLearning modules
- Set up an Editorial Board consisting of project experts to increase coherence and interlinkages between articles
- Implementation of glossary tool
- Add some interactive functions, e.g. possibility submit questions and/or quizzes
- Produce non-textual material, e.g. webinars

Technical Implementation

Two eLearning modules and the prototype of the glossary tool have been implemented. The draft articles can be accessed at the pilot web site. **Milestone** for the Action 2 on 3.6.2010 was the "**release of pilot Climate Change Explained Wizard**". This milestone was achieved. Pilot version of the Climate Change Explained Wizard is running in the pilot portal.

Sub-action 2.3. Evaluation phase (12/2010-)

Status: started

The evaluation phase of Action 2 has started with drafting of the evaluation work plan. Most of the tasks will take place after the release of the portal during 2011. However, preliminary evaluation will be done based on the material at the technical pilot portal. These include key

task testing in cities of Rovaniemi and Raasepori as well as testing by the project pilot group's 23 members. Detailed evaluation work plan for Actions 2-6 is included in the Annex 9.

Most of the goals scheduled for the technical pilot have been achieved. No major risks that could prevent reaching the objectives of the Action 2 or influencing other Actions are foreseen.

5.1.3. Action 3: Climate data and scenarios wizard

The climate observation and climate change scenario data which will be available in the portal has been determined and has already been described in the Inception Phase Report. Action 3 has been following those determinations in planning the user interface.

It turned out that potential users are not able to describe their wishes if they need to start from scratch. Therefore the final user interface will be defined taking into account the feedback we will achieve from the pilot. For the pilot the Climate Data and Scenario Wizards end user group was defined with the help of FMI's climate service unit's experience of typical data requests and questions. End user group was divided as professional users and layman users. The majority of the Climate Data and Scenario Wizards end users will be on the level of laymen, so simplicity and clarity are essential. The preliminary user interface is based on these descriptions. The feedback from the user interface in the pilot will be used in the final determining and programming of the data flow and user interface.

Act 3 and Act 4 has been planning the user interface in close collaboration and from the users point of view the Climate data wizard and Climate impacts wizard will appear as single user interface. This ambitious aim makes the data flow process more complicated but will most probably serve users' needs better than originally planned.

Sub-action 3.1 Preparatory phase (01/01/2009-30/09/2009)

Status: completed

Basic infrastructure for querying and delivering data and a basic user interface has been planned (Technical specification Annex 10).

Determination of the data available in the portal completed, Sep 2009

Sub-action 3.2. Implementation phase (01/10/2009 – 31/12/2011)

Status: In progress

Basic infrastructure for querying and delivering data and a basic user interface has been implemented and they will be published in the pilot portal on week 25. Those will be developed further according to user needs and feedback until final release of the portal.

Programming the data flow for the pilot completed, May 2010

Programming the user interface for the pilot completed, May 2010

Milestones

Release of pilot Climate Data and Scenarios wizard completed, June 2010

Future activities

Final determination of the user interface according to feedback Oct, 2010

Programming and optimizing the data flow and users interface May, 2011

Sub-action 3.2. *Evaluation phase (12/2010-)*

Status: Not started

5.1.4. Action 4: Climate impacts wizard

Work on presenting climate impacts in the portal Climateguide.fi has progressed according to plans. Suitable presentation formats of impacts results have been defined (Annex 18) The types of impacts results to be presented in the portal have been selected (Annex 19). The impacts results include both articles and quantitative projections, obtained as results of simulation model runs. The articles will contain information on general characteristics of the each sector, on climate sensitivity of the sector and projected climate impacts for the sector. A total number of 168 impacts articles have been planned and 20 draft articles have been prepared by May 2010 (Annex 20).

The quantitative projections on climate change impacts include results of model runs already carried out, available in the impacts data base of A4 (Annex 21). They consist of 30 graphs and 894 gridded maps (10x10km). The results have been obtained by simulations of impacts models using climate projections based on different emission scenarios and global climate model runs (Annex 22). In addition, preparations have been made to include results from other model simulations, primarily those used in the ISTO-programme (Annex 23) and other work on agricultural impacts (Annex 24).

Work on a climate scenario selection tool has been delayed until after completion of the Technical Pilot in May 2010, where more generic technical issues were allocated higher priority. Selection of standard climate scenarios will be postponed till November 2010.

Detailed tasks of the implementation and evaluation phases are presented in Annex 11. Below is a list of major milestones with their status and month of completion.

The major milestones of A4 with status (Started, Not Started) and Month of completion:

Definition of suitable presentation formats of impacts results. Completed December 2009 (Annex 18)

Definition of map tool functionality and linkages to A6. Completed April 2010 (Annex 19)

Selection of impacts results Completed May 2010 (Annex 20, Annex 21, Annex 22).

Production of background material (Started Annex 20) June 2011

Selection of scenarios (Started) November 2010.

Contact research groups that will provide impacts results (Started) December 2010

Selection of model runs (Started) December 2010

Preparation and release of pilot version of impacts content contributing to Portal (Not Started) December 2010

Survey of user responses to impacts content on pilot Portal (Not Started) January 2011

Programming map tool June (Started) 2011

Conversion of research results into comprehensible examples June 2011

Production of impacts content for the portal (Started) October 2011

Translation of material (Not Started) December 2011

Present the web tool in seminars, workshops and through interaction with the press (Not Started) January 2011

Evaluate usability and awareness raising potential (Not Started) December 2011

Evaluate documented use during test phase (Not Started) December 2011

5.1.5. Action 5: Community response wizard

Action 5 has proceeded as planned and we expect achieve the tasks mentioned in our work plan. In the fall of 2009 we cleared our aims in terms of article production and wrote first versions of mitigation articles to be published in the Community Response Wizard. Beginning of 2010 we started to draft mitigation articles for the Climate Change Explained Wizard and specified the structure of CRW for the visual and technical design purposes. We also started to draft adaptation articles, which will be completed by 08/10. During the reporting period we have held five meetings (Annex 27)

Technical pilot released in 05/10 will include a set of articles related to energy production. Example libraries of adaptation and mitigation activities will be added to the portal before test rounds performed by a larger test group in 9-10/10. Technical issues will be later refined towards a GIS application, which will be incorporated into the portal after the release of the final pilot version in 12/10. To allow for additional fine-tuning of the CRW after test rounds with pilot group in 9-12/10 and to focus marketing inputs, it was decided to release the CRW pilot together with a pilot version including all wizards in 12/10.

Past/ongoing activities:

- Produce internet-articles (200 words / 2000 characters) for the Community Response wizard in co-operation with SYKE (10/09-06/10)
- Literature survey and first drafts of the articles completed (12/09, SYKE: mitigation, YTK: adaptation) (*completed*)
- Designing a step-by-step pathway for adaptation and mitigation decision Annex 26 (01/10-05/10, YTK) (*completed*)
- Coherence check with national guidelines (mitigation and adaptation policies & legislation) (09/09-01/10, SYKE: mitigation, YTK: adaptation) (*in progress*, to be completed alongside article production in 12/10)
- Final articles and check-lists completed, first case-studies, good practices and supporting material identified (06/10, SYKE: mitigation, YTK: adaptation) (*Completed* for articles related to technical pilot, otherwise *In progress*. To be completed before release of the pilot portal in 12/10)
- Specification and design of interactive elements of the Wizard (09/09-12/09, YTK) (*Completed*)
- Developing content-specific and technical linkages to other Wizards
- Coherence check between the Community Response Wizard and other Wizards in the project (01/10-12/10, YTK, SYKE) (*In progress*)

Future activities:

- Testing of the Community Response Wizard tool (08-12/10, YTK)
- Fine-tuning of the wizard based on user feedback (09/10-12/10, YTK)
- Pilot version of the Community Response Wizard tool released (12/10, YTK) (*release postponed from 09/10 to the release of full pilot version of the portal, to allow for fine-tuning with user groups and to save in marketing inputs*)
- Specification and integration of suitable GIS applications / data in the Wizard (10/10-05/12, SYKE, YTK) (*integration of GIS applications postponed until after release of the pilot due to coding schedules*)
- Preparing for regional dissemination events to market the portal and to offer the stakeholders with a chance to discuss with the experts from the project team (01/11-07/11)

- Organising 12 1-day regional dissemination events in co-operation with selected regional offices in Finland (08/11-12/11, YTK)

5.1.6. Action 6: Climate change community response portal (CCCRP)

The plans for the Climate Change Community Response Portal that were stated in our project application are still valid. This work package has collaborated closely with the other work packages in order to provide the overall structure and implementation that brings together all the actions and leaves the end user with a feeling of one, complete portal.

Sub-action 6.1. Preparatory phase (01/01/2009-30/09/2009)

Completed

Site engine and CMS system

We have chosen Liferay as the content management platform for the portal to be in line with FMI's content management solution. There has been many benefits from this decision but

Specification of the site structure

Site structure has been specified and can be seen in the technical pilot of the portal. <http://pilotti.ilmasto-opas.fi> (only in Finnish, username: password:)

Site interface and layout

Site interface and layout have been designed. Both can be seen on the screenshot (Annex 7) and on the technical pilot site: <http://pilotti.ilmasto-opas.fi> (username: eulife password: a2a5qc2b).

Detailed work plan for the implementation of the main project web site

This has been made and can be seen in the detailed implementation plan (Annex 8).

Detailed evaluation work plan for project main web site

We have created the detailed evaluation work plan for the website and for the actions. They are all combined into one document (Annex 9) which includes both preliminary testing and the actual evaluation of the project's outcome.

There were no deliverables or milestones of the action 6 during the preparatory phase.

Sub-action 6.2. Implementation phase (01/10/2009 – 31/12/2011)

Status: In progress

Description of what has been done:

In action 6 the implementation of Liferay as a portal platform and CMS solution has taken place. We have developed the necessary content viewing and navigational portlets on top of the basic platform as well as implemented our own content types with specific format and adjusted the content management interface to support the content types we have created. The visual identity was also implemented into a Liferay theme with the help of Samcom Oy and can be seen on the pilot portal.

Milestone: release of pilot portal (deadline 31.3.2010) Completed

The technical pilot of the portal (<http://pilotti.ilmasto-opas.fi> username: eulife password: a2a5qc2b) has been presented to the steering group on 3rd of June and it will be released to closed beta testing on 8th of June. We are calling this release version the technical pilot, as we are testing the Liferay platform, the interface solutions and the content management part. The pilot showcases selected elements of each action and its main purpose is to serve as a test bed for the overall concept we have created.

Progress made:

Progress is well in line with the plans and the work will continue as we work based on our own observations as well as the feedback received from the test users and the pilot group. We will still need to work on quite many usability issues and develop a purpose-built search tool that recognises different content types, but all this work will progress as planned.

Sub-action 6.3. Evaluation phase (12/2010-)

Not started.

5.1.7. Action 7: Communication and dissemination

In order to strengthen the communication and dissemination aspects of the project a Communication and Dissemination Team (CDT) was formed consisting of communications experts from FMI and SYKE as well as project team members. List of CDT meetings can be found in Annex 12. CDT produced a separate Communication and dissemination plan for the project (Annex 8).

Sub-action 7.1. Project web site - obligatory

The CCCRP project web site in Finnish, English and Swedish <http://fmi.fi/cccrp> has been updated on a regular basis. The project web site is a milestone of the Action 7 and is thus in progress. The project web pages at SYKE in Finnish, Swedish and English (www.ymparisto.fi/syke/cccrp) and YTK in Finnish (<http://ytk.tkk.fi/fi/tutkimus/hankkeet/cccrp/>) and English (http://ytk.tkk.fi/en/research/projects/cccrp_en/) have been updated as well. These web pages serve also the purpose of notice boards, as the logical place for a notice board of CCCRP-project is in the Internet.

Progress made:

The progress with the project web site is well in line with the established time schedule. The web site is being updated regularly with project activities, progress, results and project documentation. The visibility and awareness of CCCRP has increased among the stakeholders of the project through the project web site. There is no reason to assume that the objectives of the sub-action would not be achieved

Sub-action 7.2. Marketing CCCRP

Description of what has been done:

Marketing of CCCRP is in progress. Logo and visual look were designed during the reporting period (Annexes 1 and 7.). A visual designer was hired for the job for 8 weeks.

In the project plan we envisaged a public competition on the portal name as a marketing activity. Nevertheless, it became obvious that such an important aspect of the portal can not be decided that way. Instead, the names and domain names of the portal, “Ilmasto-opas.fi” in Finnish, “Klimatguiden.fi” in Swedish and “Climateguide.fi” in English were carefully considered in the Communication and dissemination team of the project. The names were accepted by the Steering group meeting on 19.3.2010. As a replacing marketing activity to the name competition, CCCRP project and Climateguide.fi will be presented at the Municipality Fair in Helsinki, during 6.-7.9.2010 and at the Environment, Municipal Engineering, Waste&Recycling, Water & Wastewater 2010 –fair in Helsinki during 6.-9.10.2010.

The CCCRP project organised 5 workshops/seminars/meetings for users and other stakeholders where the project was marketed (Annex 14). Furthermore, CCCRP was marketed in 13 other international and national meetings/seminars/workshops/conferences that were organised by other entities than the project itself (Annex 13). More than 500 persons in different stakeholder groups were exposed to the marketing activities during these occasions. Listings of these marketing activities with related material can be found in Annexes 14 and 13 respectively.

The CCCRP project was presented to wider public through two written articles. One in Finnish (<http://mmm.multiedition.fi/klimaatti/uutiskirje/2010/2-2010/fi/6.php>) and in Swedish (<http://mmm.multiedition.fi/klimaatti/uutiskirje/2010/2-2010/sv/6.php>) in *Klimaatti*, a climate change newsletter of the public administration. Klimaatti has more than 3200 subscribers. The second article was in Finnish in *Ilmansuojelu*, a journal of the Finnish Air Pollution Prevention Society (pages 4-6 of *Ilmansuojelu* nro 1/2010 available at http://www.isy.fi/islehdet/ISU1_2010_web.pdf). *Ilmasuojelu* –journal is widely read in the climate change personnel in the municipalities in Finland. 700 copies of each issue are printed.

Problems and delays:

The planned awareness campaign for research institutions was postponed until the next reporting period as better success for the campaign was envisaged after the launch of the pilot portal in June 2010. It is named as targeted information package I” in the detailed implementation plan (Annex 11). This postponement will not affect adversely other actions and will improve the effectiveness of the Action 7.

Progress made:

The progress with the marketing of the project is well in line with the established time schedule. The visibility and awareness of CCCRP has increased among the stakeholders of the project through the marketing activities There is no reason to assume that the objectives of the sub-action would not be achieved.

5.2. Envisaged progress until next report

In the upcoming months prior to the Progress report that is due in 16th of June 2011 we still have a lot of work to do and milestones to complete. During the summer 2010 we are testing the site in two cities: Rovaniemi and Raasepori and collecting feedback from the pilot group on the concept. In August 2010 we will use this feedback to evaluate if there is a need to still adjust our plans for the portal. Additionally work continues to fix some bugs and improve some smaller details of the technical pilot. Content production (text articles, data, e-Learning modules etc.) for Actions 2, 3, 4 and 5 is taking place until the actual release of the portal in August 2011.

By the end of the year 2010 we will release a more complete pilot of the the portal. It will included the comprehensive contents of pilot Climate Impacts Wizard and Community Response Wizard and also finalize the pilot Climate change Explained wizard and Climate Data and Scenarios Wizard. Additional features are developed under Action 6 based on the feedback of the users.

During early 2011 we will collect more feedback as well as statistics on the portal use. A seminar for research result providers and pilot group will be held in late February 2011. A summary of the results of this seminar will be ready by mid March.

While the project team is working hard on the content and the technical platform of the portal, there is also lot of work to be done on the networking and publicity issues. We will be taking every opportunity to present the portal in relevant events and publications. To increase the awareness of the portal we are cooperating closely with other research institutes and projects.

By the time of the Mid-Term report the project web site (fmi.fi/cccrp) has been updated at least six times. Targeted information packages for research institutions, local and regional authorities and local and regional authorities have been delivered. CCCRP has been presented in several conferences and seminars both nationally and internationally, e.g. at the AESOP annual conference. CCCRP has been presented and discussed in several dialogue workshops with the end users.

Upcoming milestones:

preparation of impacts research to suit CIW	4	31.8.2010	Started
release of pilot Climate Impacts Wizard	4	31.12.2010	Started
release of pilot Community Response Wizard	5	31.12.2010	Started
seminar for research results providers and pilot group of actions 2-6	1	28.2.2011	not started
Portal released (Finnish)	6	30.8.2011	Started
1st user seminar for the target group	7	15.9.2011	not started

Upcoming deliverables:

Summary of research result providers and pilot group seminar	1	15.3.2011	Not started
Press release on launch of the portal and Wizards	7	30.8.2011	Not started

Table presenting the progress proposed and actualized by mid term report.

Action	Number/name	2009				2010				2011				2012
		I	II	III	IV	I	II	III	IV	I	II	III	IV	I
1 Management and monitoring	proposed			x			x					x		x
	actual													
1.1 Admin., tech. and financial aspects	proposed													
	actual													
1.2 Monitoring	proposed													
	actual													
1.3 Project work support	proposed													
	actual													
1.4 Networking	proposed													
	actual													
2 Climate Change Explained Wizard	proposed													
	actual													
2.1 Preparatory phase	proposed													
	actual													
2.2 Implementation phase	proposed													
	actual													
2.3 Evaluation phase	proposed													
	actual													
3 Climate Data and Scenarios Wizard	proposed													
	actual													
3.1 Preparatory phase	proposed													
	actual													
3.2 Implementation phase	proposed													
	actual													
3.3 Evaluation phase	proposed													
	actual													
4 Climate Impacts Wizard	proposed													
	actual													
4.1 Preparatory phase	proposed													
	actual													
4.2 Implementation phase	proposed													
	actual													
4.3 Evaluation phase	proposed													
	actual													
5 Community Response Wizard	proposed													
	actual													
5.1 Preparatory phase	proposed													
	actual													
5.2 Implementation phase	proposed													
	actual													
5.3 Evaluation phase	proposed													
	actual													
6 CCCRP	proposed													
	actual													
6.1 Preparatory phase	proposed													
	actual													
6.2 Implementation phase	proposed													
	actual													

6.3 Evaluation phase	proposed													
	actual													
7 Dissemination	proposed													
	actual													
7.1 Project Web Site	proposed													
	actual													
7.2 Marketing CCCRP	proposed													
	actual													

5.3. Impact:

Information and Communication:

One of the main target audiences in the municipalities, the local planners and decision makers, are increasingly aware of the coming portal and based on their reactions, this portal is very much needed and can solve many issues they are dealing with when trying to address climate change.

If looking at the climate change related discussion taking place both online and in the letters from the readers –sections of printed media, it is obvious that there is a demand for reliable source of information, where individuals can check which of the presented claims are true and which not. This is where CCCRP portal becomes valuable, as we do not need to engage in the discussions but can link and refer to the research based materials on the site.

Also, the impacts of climate change are quite different in Finland than in many of the less fortunate countries. A lot of work needs to nevertheless be done to make people aware of these local and global impacts and of the adaptation and mitigation actions that these impacts call for. This is yet another need that our portal will fulfil.

The interministerial network for climate change communication has decided to rely on CCCRP portal in their web communication instead of developing another partly overlapping portal of their own with additional efforts.

These impacts are in line with the expectations as indicated in the proposal for this stage.

5.4. Outside LIFE: The portal has inspired the plans for SADC area climate change portal. This new portal is still in early planning stage, but it shows that the idea of CCCRP portal could be transformed into similar portals around the world.

6. Financial review by actions

Action number and name	Foreseen costs	Spent so far	Remaining	Projected final cost
Action 1 "Management and monitoring"	187,698	75,935	111,766	187,698
Action 2 "Climate change explained"	264,748	76,365	188,382	264,748
Action 3 "Climate data and scenario wizard"	280,749	100,037	180,712	280,749
Action 4 "Climate impacts wizard"	180,361	48,368	131,993	180,361
Action 5 "Community response wizard"	501,807	200,085	301,721	501,807
Action 6 "Climate change community response wizard"	214,349	124,542	89,806	214,349
Action 7 "Communication and dissemination"	221,348	31,731	189,616	221,348
TOTAL	1,851,060	657,063	1,193,996	1,851,060

Notes on CCCRP financial review:

- All items listed in budget (laptop, mobile phone etc.) as Equipment have been now transferred to Consumables due to the accounting guidelines in FMI
- External assistance category has not yet been widely used as we decided to build the technical pilot with our own personnel. This decision was made because of the tight schedule that didn't allow us to take the time that would have been needed for contracting. After we have received feedback on the pilot and finalized our specifications in August, we will start using more external assistance for both content production and for technical implementation. Also the online marketing of the portal (banners etc.) will be bought as external assistance.

7. Annexes

7.1. Deliverables

- Annex 11: Detailed implementation plan
- Annex 17: Report of the survey on user needs (with Life logo)

7.2. Dissemination materials

- List of events where CCCRP was presented Annex 13
- Press:
 - Article in Ilmansuojelu 1/2010: 'Suomalainen ilmastonmuutostietämys yhdelle sivustolle' (Haapää)
 - Klimaatti 2010/2: 'Ilmasto-opas.fi – ilmastotieto yhdestä osoitteesta' <http://mmm.multiedition.fi/klimaatti/uutiskirje/2010/2-2010/index.php>
- Online coverage:
 - Ilmastotalkoot Etelä-Karjalassa site: <http://194.251.35.222/Tiedote.asp?Sivunumero=1&TiedoteID=23325&NakymaID=539>
- Materials: Brochure for Kuntien ilmastokonferenssi, Roll-up
Annex 5: Printed materials and the memo from Kuntien V ilmastokonferenssi
- Presentation at Valtakunnalliset Ympäristötutkimus- ja Riskinarviointipäivät (National event for environmental studies and risk assessment), Kuopio, Finland 18.11.2009: 'Ilmastonmuutoksen yhteiskunnalliset vaikutukset' (Haapää)
- Seminars attended:
 - EcoKnowledge '09 Environmental Forum 12.10.2009 Lahti, Finland
 - Open 2009 Media Lab Helsinki doctor of arts symposium 5-6.11.2009 Helsinki, Finland
 - Helsingin seudun ilmastoseminaari 2010 28.1.2010 Helsinki, Finland
 - CHAMP-project training workshop 4.5.2010 Tampere, Finland

7.3. Maps, drawings, technical designs, technical memos etc. as appropriate

- Annex 1: Climate guide logo files (English version of the logos)
- Annex 2: Project Team meetings
- Annex 3: Steering group meetings
- Annex 4: List of workshops and meetings with users and other stakeholders organised by the project
- Annex 6: Listing of the members of Project Team, Steering Group and the Pilot Test Group
- Annex 7: Screenshots from the technical pilot of Climate guide
- Annex 8: Publicity plan

- Annex 9: Detailed evaluation work plan for Actions 2-6
- Annex 10: Technical architecture of Shorelark
- Annex 12: Communication and Dissemination Team meetings
- Annex 13: Presentations of CCCRP in workshops, seminars and conferences organised by other entities than CCCRP including photos and other relevant material
- Annex 14: The layout for the Climate guide
- Annex 15: Climate guide logo options
- Annex 16: Memo from the authoring for the web training
- Annex 18: Definition of suitable presentation formats of impacts results
- Annex 19: Definition of map tool functionality and linkages to Action 6
- Annex 20: Vaikutusartikkeleiden suunniteltu hierarkia ja lukumäärät
- Annex 21: Table 1. Number and type of simulated model results in database
- Annex 22: Table 3. Details of impacts variables available in database
- Annex 23: Isto-Finessi memo
- Annex 24: WOFOST-memo
- Annex 26: Apurin määrittely
- Annex 27: A5 Pöytäkirjat

7.4. Output indicators

- Annex 25: CCCRP Output indicators tables