

Annex I

EEA/ACC/13/002-ETC/CCA

Work programme 2017

Action Plan 1

Version 2.0

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Introduction

The **European Topic Centre on Climate Change impacts, vulnerability and Adaptation (ETC/CCA)**¹ is a Consortium of European institutions contracted by the **European Environment Agency (EEA)** to supply thematic expertise and carry out specific tasks identified in the *EEA Multi-Annual Work Programme (MAWP)* and specified in the *EEA Annual Work Programmes (AWPs)* in the area of climate change impacts, vulnerability and adaptation across Europe.

The ETC/CCA is a part of and supports the **European environment information and observation network (Eionet)**. The Eionet is a partnership network of the EEA and its member and cooperating countries. It consists of the EEA itself, six European Topic Centres (ETCs) and a network of experts from 39 member and collaborating countries in national environment agencies and other bodies dealing with environmental information.

The ETC/CCA assists the EEA in supporting EU policy development on climate change impacts, vulnerability and adaptation and disaster risk prevention by providing relevant information and contributing to the harmonisation, quality assessment and exchange of data and/or information. This encompasses knowledge base, data and indicators on climate change and its impacts across sectors and regions, assessment of climate change vulnerabilities and natural hazard risks to society and ecosystems and current or planned adaptation strategies and actions. Supporting capacity building in EEA member countries is a component of the ETC activities as well.

In particular, the ETC/CCA supports the implementation and the planned 2017 review of the 2013 EU Strategy on Climate Change Adaptation, by assisting the EEA in supporting the European Climate Adaptation Platform (Climate-ADAPT) and preparing updated or new indicators and contributions to assessment reports. The ETC/CCA will also increasingly assist policy evaluation related work following up the work initiated in 2015 on monitoring, reporting and evaluation of climate change adaptation at national level.

The work of the ETC/CCA also follows and feeds into the cycle of large assessments every 5 years (*European State of the Environment and Outlook Report 2015 - SOER 2015* being the most recent).

In performing its activities under the overall leadership, steer and supervision of the EEA, the ETC/CCA cooperates with the other ETCs on cross-cutting projects, where needed and appropriate, which is explained in more detail in the descriptions of the relevant Tasks.

¹ <http://cca.eionet.europa.eu/>.

Table 1: Overall budget overview 2017 per ETC partner (€)

N.A.

Table 2: Overall budget overview 2017 per EEA project (€)

N.A.

Table 3: Overview of sub-contracts (€)

N.A.

Table 4 List of key deliverables (sorted by date)

January-June				
Due date	Task number	Title	ETC TM [Task Manager]	EEA Responsible
15/04/2017	1.4.2.3	<u>1.4.2.3KD1</u> - Prepare the final version of the report, ready to be sent for editing and lay outing	Jaroslav Mysiak	Sergio Castellari, Blaz Kurnik
30/04/2017	1.4.2.3	<u>1.4.2.3KD3</u> - 1. Provide meta-data and underpinning data for all figures and maps. 2. Provide and support inclusion of references to Zotero reference system	Jaroslav Mysiak	Sergio Castellari, Blaz Kurnik
30/04/2017	1.4.4.1	1.4.4.1KD4 - First Quarterly Progress Report (QPR1/2017)	Silvia Medri	André Jol
25/06/2017	1.4.3.1	<u>1.4.3.1KD5</u> - 2017 EEA report on “Climate-ADAPT evaluation”: 3) final draft for Eionet consultation	Silvia Medri	Kati Mattern, André Jol
30/06/2017	1.4.1.1	<u>1.4.1.1KD1</u> - Journal paper on process and key results of 2016 EEA CCIV report: 2) Final version (<i>Key deliverable</i>)	Andreas Marx	Hans-Martin Füssel
30/06/2017	1.4.1.2	<u>1.4.1.2KD1</u> - Update of CSI012 on Global and European temperatures	Paul van der Linden	Blaz Kurnik

July-December				
Due date	Task number	Title	ETC TM [Task Manager]	EEA Responsible
01/07/2017	1.4.3.1	<u>1.4.3.1KD5</u> - 2017 EEA report on “Climate-ADAPT evaluation”: 4) revised final draft	Silvia Medri	Kati Mattern, André Jol
30/07/2017	1.4.4.1	<u>1.4.4.1KD5</u> - Second Quarterly Progress Report (QPR2/2017)	Silvia Medri	André Jol
31/07/2017	1.4.2.2	<u>1.4.2.2KD1</u> - Stock-taking of work undertaken on social vulnerability, justice and climate adaptation: 1) Working Paper on assessment of social dimensions of urban climate change impact	Margaretha Breil	Birgit Georgi, new EEA staff
30/09/2017	1.4.1.2	<u>1.4.1.2KD2</u> - Briefing (or a short report) towards the 1.5 and 2 degree targets	Paul van der Linden	Blaz Kurnik
30/09/2017	1.4.2.2	<u>1.4.2.2KD1</u> - Stock-taking of work undertaken on social vulnerability, justice and climate adaptation: 2) Workshop	Margaretha Breil	Birgit Georgi, new EEA staff
30/09/2017	1.4.2.5	<u>1.4.2.5KD2</u> - Scoping paper on review and recommendations	Jos Timmerman	Kati Mattern
30/10/2017	1.4.4.1	<u>1.4.4.1KD6</u> - Third Quarterly Progress Report (QPR3/2017)	Silvia Medri	André Jol
01/11/2017	1.4.2.1	<u>1.4.2.1KD2</u> - Final ETC/CCA Technical Paper on ‘Indicators to monitor adaptation to climate change’ 2) Final version	Patrick Pringle	André Jol, new EEA staff
23/11/2017	1.4.4.1	<u>1.4.4.1KD8</u> - Draft Action Plan 2018	Silvia Medri	André Jol
30/11/2017	1.4.1.1	<u>1.4.1.1KD3</u> - Update of CSI047 on Global and European sea-level rise	Andreas Marx	Hans-Martin Füßel
30/11/2017	1.4.1.1	<u>1.4.1.1KD4</u> - Final draft of (2018) EEA report on national CCIV assessments	Andreas Marx	Hans-Martin Füßel
30/11/2017	1.4.2.4	<u>1.4.2.4 KD1</u> - Scoping paper: 3) Final version	Maria Berglund	Blaz Kurnik
01/12/2017	1.4.2.2	<u>1.4.2.2KD1</u> - Stock-taking of work undertaken on social vulnerability, justice and climate adaptation: 3) Draft ETC paper	Margaretha Breil	Birgit Georgi, new EEA staff
15/12/2017	1.4.3.1	<u>1.4.3.1KD6</u> - ETC/CCA Working Paper reporting all activities undertaken: 2) final draft	Silvia Medri	Kati Mattern, André Jol
01/03/2018	1.4.4.1	<u>1.4.4.1KD7</u> - Fourth Quarterly Progress Report (QPR4/2017)	Silvia Medri	André Jol

SA1.4 Climate Change Impacts, Vulnerability and Adaptation

EEA Strategic objective

The EEA multiannual objective in the strategic area 1.4 *Climate Change Impacts, Vulnerability and Adaptation* is to support and inform policy development and implementation in the area of climate change impacts, vulnerability and adaptation by means of data, information/indicators and assessments.

Specific ETC objectives

To support the EEA in:

- Finalizing the EEA report on Climate Change Adaptation and Disaster Risk Reduction and producing an EEA report on “Climate-ADAPT evaluation”
- Preparing a (2018) EEA report on national CCIV assessments in Europe
- Producing an ETC/CCA Technical Paper on national-level ‘Indicators to monitor adaptation to climate change’
- Developing: an ETC Working Paper stock-tacking of work undertaken on social vulnerability, justice and climate adaptation; a Scoping paper on the transformative approach and actions making European cities climate-resilient
- Developing a Scoping paper on climate change impacts and adaptation in the agricultural sector in Europe
- Developing an ETC/CCA Working Paper, presenting the state of the art of adaptation policies in transnational regions in Europe
- Contributing to a briefing towards the global 1.5 and 2 degree targets
- Maintaining, updating and improving Climate-ADAPT as a key element of the 2013 EU Adaptation Strategy, by updating and further developing database, Web content and links to relevant sources of information, implementing results of relevant DG CLIMA projects, and enhancing the involvement of users and contributors
- Contributing to the 2017 ECCA Conference, to the annual ICLEI conference on urban adaptation and to the annual Eionet Workshop on climate change impacts, vulnerability and adaptation (CCIVA).

Tasks descriptions

The following pages contain the Tasks descriptions.

EEA project 1.4.1 Climate change and hazard indicators

1.4.1.1 European climate change indicator report

Main managers

ETC task manager: Andreas Marx

ETC task deputy manager: Mikael Hildén

EEA project manager: Hans-Martin Füssel

Expected main outputs

- Support dissemination of findings of the 2016 CCIV report, in particular through a journal paper (open access) describing the process and main findings
- Prepare a (2018) EEA report on national CCIV assessments in Europe
- Update CSI 047 (Global and European sea level rise) with most recent data and publish the indicator on the EEA website

Context

The EEA publishes the fourth indicator-based report on climate change impacts in Europe (CCIV) with contributions from key partners, such as JRC, WHO and ECDC, by the end of 2016. Furthermore, EEA publishes also the ca. 40 indicators covered in this report in the EEA Indicator Management System (IMS) by the end of 2016.

Detailed description of tasks

- Co-authoring an open access journal paper describing the process and main findings of the 2016 EEA CCIV report, to be used as background for conference presentations (in particular ECCA 2017), and possibly to be re-used as EEA Briefing/Article. Tentative authors include all those who contributed directly to the summary of the 2016 EEA CCIV report. This paper will draw primarily on the: Executive Summary, Chapter 1 (Introduction) and Chapter 6 (Multi-sectoral vulnerability) of the 2016 CCIV report, but it will provide additional information on the process and on indicator selection.
- Support drafting an EEA report on national CCIV assessments in Europe (to be published in Q1/2018). The report will present a comprehensive overview of national CCIV assessments in EEA member countries, based on an online questionnaire. Inclusion of national CCIV assessments not available in English is desirable. In addition, the report could include a few sub-national assessments from Europe (in particular from countries with a strong federal element) and possibly one assessment from a non-European OECD country (such as USA or Australia). This task requires an expert meeting with a small subset of interested countries to test the draft questionnaire.

The (online) questionnaire will include questions to cover the following topics:

- organisation of work (political context; who conducted the assessment; who was involved, who was consulted, etc.);
- assessment methods and communication of results;
- key results and their use to inform the policy process;
- “lessons learned” and plans for a revision of CCIV assessments.

The aim is to send the invitation to the final survey out to EEA Member Countries in mid May 2017. (The online questionnaire will be open for approximately 8 weeks.)

Furthermore, the 11th Eionet Workshop on CCIVA (tentative timing: late June) could be used to provide clarification to countries and to motivate them to participate in the survey. EEA has proposed a session on national CCIV assessments for the ECCA 2017 conference in early June 2017, which can also form an additional input.

For the EEA report on CCIV assessments, the results from the online survey as well as earlier efforts on this topic by the UK and the “German-speaking countries” (DE/AT/CH) will be considered. Country-specific examples could be highlighted in the report in order to enhance the ownership of the work. In 2017, the ETC team will work on a first draft version of the report to be finalised in Q1 2018.

It is to be discussed whether global initiatives (e.g. PROVIA, CLICC) could be considered as well. Preparing an updated assessment of CSI 047 (Global and European sea level rise) with most recent data and publishing the indicator on the EEA website.

Deliverable(s)

No	Description	ETC (Sub)task manager	Team	EEA responsible	Date
<u>1.4.1.1KD1</u>	Journal paper on process and key results of 2016 EEA CCIV report: 1) Manuscript ready for submission 2) Final version (<i>Key deliverable</i>)	Andreas Marx	Mikael Hildén	Hans-Martin Füssel	1) 15/03/2017 2) 30/06/2017
1.4.1.1D2	Expert meeting outcomes and final questionnaire on national CCIV assessments	Andrea Prutsch	Mikael Hildén, Andreas Marx, Markus Leitner, Mike Sanderson, Tiago Capela Lourenço	Hans-Martin Füssel	30/05/2017
<u>1.4.1.1KD3</u>	Update of CSI047 on Global and European sea-level rise	Andreas Marx	Matthew Palmer	Hans-Martin Füssel	30/11/2017
<u>1.4.1.1KD4</u>	Final draft of (2018) EEA report on national CCIV assessments	Andrea Prutsch	Mikael Hildén, Andreas Marx, Markus Leitner, Mike Sanderson, Tiago Capela Lourenço	Hans-Martin Füssel	30/11/2017

List of planned meetings

Date	Venue	Title	ETC/CCA participant(s)
18-19/01/2017	Copenhagen (Denmark)	ETC/CCA 2017 Kick Off meeting (2 half days)	Andreas Marx
Date T.B.D. in April 2017	Copenhagen (Denmark)	Expert meeting on national CCIV assessments	Andrea Prutsch, Mikael Hildén, Andreas Marx, Tiago Capela Lourenço, Mike Sanderson
Date T.B.D. in June 2017	Copenhagen (Denmark)	11 th Eionet Workshop on CCIVA (to present current state of work to EEA Member Countries)	Andrea Prutsch
Date T.B.D in the period: XX/09-10/2017	Copenhagen (Denmark)	2 nd Management Committee meeting (2 half days)	Andreas Marx
Date T.B.D in the period: XX/09-10/2017 (back to back with the ETC/CCA 2 nd Management Committee meeting)	Copenhagen (Denmark)	Writing team meeting for the report on national CCIV assessments	Andreas Marx, Mikael Hildén, Andrea Prutsch, Tiago Capela Lourenço, Mike Sanderson

Resources**Staff (days)**

Partner	Name	No of days
UFZ	Andreas Marx	35,0
EAA	Andrea Prutsch	30,0
	Markus Leitner	20,0
FFCUL	Tiago Capela Lourenço	20,0
MO	Matthew Palmer	4,0
	Mike Sanderson	20,0
SYKE	Mikael Hildén	30,0
UK Partner T.B.D.	Expert T.B.D. (reviewer of the key deliverable) ²	5,0
Total		164,0

² Corresponding budget calculated with a mean ETC/CCA rate, and temporarily allocated to CMCC (for budget calculation purpose). Expert to be identified as early as possible.

Other specific costs (€)

N.A.

1.4.1.2 European climate change indicators

Main managers

ETC task manager: Paul van der Linden

ETC task deputy manager: Robert Dunn

EEA project manager: Blaz Kurnik

Expected main outputs

- Contribute to a briefing towards the global 1.5 and 2 degree targets (lead by ACC3 and ETC/ACM)
- Update CSI012 (Global and European temperature) with the most recent data and publish the updated version of the indicator on the EEA website

Context

The EEA annually publishes the Core Set indicators on Global and European temperatures (CSI012) and on Greenhouse gases (GHG) concentrations (CSI013 - under ACC3 responsibility). The CSI012 describes absolute changes and rates of change in average near-surface temperature for the globe and for a region covering Europe with the respect to the pre-industrial period. It describes the links between the global temperature and GHGs concentrations and presents the projected increases in temperature including projected exceedance of the global 2 degree target.

In 2017 (and before the COP23) EEA will publish a briefing towards the global 1.5 and 2 degree targets. The briefing will be built on two indicators CSI012 and CSI013 and focus on the detailed description of exceeding the global 1.5 and 2 degree targets.

Detailed description of tasks

1. Preparing an updated assessment of CSI012 (Global and European temperature) with most recent data and publishing the indicator on the EEA website
2. Contributing to the preparation of a briefing on the global 1.5 and 2 degree targets for Global temperature. This briefing will assess the current knowledge base on the topic and improve the assessments of CSI013 and CSI012 with regards to the global 1.5 and 2 degree targets.

Links

- Links with other Tasks of the ETC/CCA AP 2017: None.
- Potential linkages with other ETCs: ETC/ACM for Briefing on the global 2/1.5 degree target.

Deliverable(s)

No	Description	ETC (Sub)task manager	Team	EEA responsible	Date
<u>1.4.1.2KD1</u>	Update of CSI012 on Global and European temperatures	Paul van der Linden	Paul van der Linden, Robert Dunn	Blaz Kurnik	30/06/2017
<u>1.4.1.2KD2</u>	Briefing (or a short report) towards the 1.5 and 2 degree targets	Paul van der Linden	Paul van der Linden, Jason Lowe	Blaz Kurnik	30/09/2017

List of planned meetings

Date	Venue	Title	ETC/CCA participant(s)
18-19/01/2017	Copenhagen (Denmark)	ETC/CCA 2017 Kick-Off meeting (2 half days)	Paul van der Linden
Date T.B.D in the period: XX/09-10/2017	Copenhagen (Denmark)	2 nd Management Committee meeting (2 half days)	Paul van der Linden

Resources**Staff (days)**

Partner	Name	No of days
MO	Jason Lowe	11
	Paul van der Linden	11
	Robert Dunn	3
SYKE	Stefan Fronzek (reviewer of the key deliverable)	2
Total		27

Other specific costs (€)

N.A.

EEA project 1.4.2 Climate change adaptation and disaster risk reduction assessments

1.4.2.1 Monitoring and evaluation of adaptation

Main managers

ETC task manager: Patrick Pringle

ETC task deputy manager: Kirsi Mäkinen

EEA project manager: André Jol, new EEA staff³

Expected main output(s)

- Database (spreadsheet) with information on national adaptation indicators
- ETC/CCA Technical Paper on national-level 'Indicators to monitor adaptation to climate change'
- Contribution to the dissemination of the 2016 work on 'Evaluation of adaptation'

Context

There is a growing interest in MRE (monitoring, reporting and evaluation) systems for climate change adaptation at national level. An increasing number of countries are developing and implementing such systems and many are planning to do so in the future. This is driven by national adaptation strategies and plans and increasingly also by international developments and key global agreements of 2015 (Sendai framework for disaster risk reduction, SFDRR; sustainable development goals, SDG, and the UNFCCC climate change Paris agreement), as well as EU policies (the 2017/2018 evaluation of the EU climate change adaptation strategy).

The 2015 EEA Technical Report on 'National monitoring, reporting and evaluation of climate change adaptation in Europe' demonstrated the importance and interest of countries in sharing experiences and approaches. The report specifically highlighted the importance and interest of countries in further understanding the methods that can be used to monitor and evaluate adaptation policies.

In 2016 ETC/CCA produced a technical paper on 'Evaluation of climate change adaptation at national level in a learning context', which summarised lessons that may be learnt from evaluation activities in other thematic areas with somewhat similar characteristics, including international/EU/national policies on international development cooperation; sustainable development; and biodiversity. Policy evaluation criteria used in the EU (coherence; relevance, effectiveness, efficiency, EU added-value) were considered as well. In addition work started to develop an outline for another technical paper with a working title of '**Indicators to monitor adaptation to climate change**' that will be completed in 2017. ETC/CCA also contributed to a MRE session at the global Adaptation Futures conference (Rotterdam, May 2016) and the EEEN forum (Copenhagen, Sep 2016).

³ From Q1/2017.

At the 10th Eionet workshop on CCIVA, held in June 2016, countries expressed a great interest in learning from each other regarding adaptation indicators. Furthermore the European Commission will prepare and publish an adaptation preparedness scoreboard for EU Member States, with qualitative indicators, in 2017. This will be part of the Commission's report on the progress and evaluation of the EU Adaptation Strategy (2017/2018). There is also an interest at EU level to consider quantitative adaptation indicators complementary to the scoreboard.

In 2017 the main focus of ETC/CCA in the area of MRE will be on expanding the work on adaptation indicators. The 2015 EEA report provided examples of national level indicators and explored how they have been developed and for what purposes, but did not seek to provide a detailed list or analysis of the full range of indicators developed. In addition, indicator sets have been developed since this report was developed. The activity will take into account progress at global level, regarding information and indicators to be reported (e.g. SFDRR and SDG) as well as EU level, including also work by Eurostat (e.g. on possible future SDG reporting).

Detailed description of tasks

- **Database (spreadsheet) with information on national adaptation indicators** – The current methodological approaches followed by European countries for evaluating their adaptation policies often include the use of indicators, which have generally been developed for monitoring and reporting purposes in the first place. Countries use different approaches, including qualitative and quantitative; process, input, outputs and outcome based; and incorporation of impact, risk and vulnerability indicators. In 2016 ETC/CCA started collecting information on national adaptation indicators within a template capturing the main features, which was tested on a few example countries. In 2017 ETC/CCA will systematically collect and analyse adaptation indicators from an agreed selection of EEA member countries, which have currently systems in place. The metadata will be included in the database (spreadsheet) in an easily accessible way. The draft database will be shared with countries for a review in order to improve the quality of the database content (not to revisit data gathering process). The purpose of this database is not to recommend the use of specific indicators but to enable comparison between approaches and where possible highlight the factors, which influence indicator selection. The working assumption is that indicators from up to six countries will be included in the database (Finland, UK, Germany, Austria plus two more).
- **ETC/CCA Technical Paper on 'Indicators to monitor adaptation to climate change'** – The ETC/CCA technical paper will include an overview of the latest developments and agreed requirements at global and EU level and the potential implications and opportunities for European states. In doing so, the report will draw some conclusions on possible ways to improve the coherence of indicator development at national level in the context of the emerging EU and global policy requirements. It will also provide an overview of key (4 or 5) adaptation-focussed indices in terms of their objectives, coverage and content. For each country the paper will describe briefly the main features of their national adaptation indicator sets, while referring to the database for further details. The paper will identify and analyse the types of indicators that have been included in the database (e.g. qualitative and quantitative; process, input, outputs and outcome based; impact, risk and vulnerability indicators) used for different sectors and objectives and analyse to what extent there are common approaches and/or differences. It will

highlight the factors, which influence indicator selection informed by a series of interviews with the 6 countries considered in the database (e.g. data availability, resource limitations and differing objectives).

- **Contribution to the dissemination of the 2016 work on ‘Evaluation of adaptation’** – The ETC/CCA may contribute to international conferences presenting and disseminating the 2016 work on ‘Evaluation of adaptation’, where relevant. This can include the ECCA2017 conference (Glasgow, June 2017) (to be decided).
- **Assessing adaptation options** – The ETC/CCA will improve the sections: “assessing cross-cutting issues, trade-offs and synergies of adaptation options” and “prioritization of adaptation options” of the Step 4⁴ (‘Assessing adaptation options’) of the Climate-ADAPT Adaptation Support Tool (AST) , where there is currently limited information. This task will require a review of the latest literature on options’ appraisal and assessment in order to outline the full range of approaches open to decision makers and to communicate this to decision-makers via Step 4 of the AST. This could involve the development of a simple checklist, a guide or a map.

Links

- Linkages with other Tasks of the ETC/CCA AP2017:
 - 1.4.1.1 (European climate change indicator report)
 - 1.4.2.2 (Urban adaptation) on vulnerability indicators
 - 1.4.3.1 (Climate-ADAPT)
- Linkages with other ETCs: N.A.

⁴ <http://climate-adapt.eea.europa.eu/knowledge/tools/adaptation-support-tool/step-4>.

Deliverable(s)

No	Description	ETC (Sub) task manager	Team	EEA responsible	Date
1.4.2.1D1	Database (spreadsheet) with information on national adaptation indicators 1) Draft 2) Final version	Andrea Prutsch	Andrea Prutsch, Eleni Karali, Kirsi Mäkinen, Patrick Pringle, Mikael Hildén	André Jol, new EEA staff	1) 01/04/2017 2) 01/06/2017
<u>1.4.2.1KD2</u>	Final ETC/CCA <i>Technical Paper</i> on 'Indicators to monitor adaptation to climate change' 1) Draft 2) Final version (<i>key deliverable</i>)	Patrick Pringle	Andrea Prutsch, Eleni Karali, Kirsi Mäkinen, Patrick Pringle	André Jol, new EEA staff	1) 11/09/2017 2) 01/11/2017
1.4.2.1D3	Dissemination of 2016 work on 'Evaluation of adaptation'	Eleni Karali	Eleni Karali, Patrick Pringle	André Jol, new EEA staff	Events and dates T.B.D.
1.4.2.1D4	Adaptation options assessment – review and update	Clare Downing	Patrick Pringle, Clare Downing	André Jol, new EEA staff	31/10/17

List of planned meetings

Date	Venue	Title	ETC/CCA participant(s)
18-19/01/2017	Copenhagen (Denmark)	ETC/CCA 2017 Kick-Off meeting (2 half days)	Patrick Pringle
Date T.B.D in the period: XX/02/2017	Copenhagen (Denmark)	1 st Writing Team meeting	Eleni Karali, Andrea Prutsch, Kirsi Mäkinen, Patrick Pringle
05-09/06/2017	Glasgow (UK)	ECCA 2017 (contribution to session, T.B.C.) (or other Conference T.B.D.)	Patrick Pringle, Eleni Karali
Date T.B.D in the period: XX/09-10/2017	Copenhagen (Denmark)	2 nd ETC/CCA Management Committee meeting (2 half days)	Patrick Pringle
Date T.B.D in the period: Autumn 2017	Copenhagen (Denmark)	2 nd Writing Team meeting	Eleni Karali, Andrea Prutsch, Kirsi Mäkinen, Patrick Pringle

Resources

Staff (days)

Partner	Name	No of days
CMCC	Eleni Karali	28
EAA	Andrea Prutsch	17
	Markus Leitner	8
	Sonja Völler	6
SYKE	Kirsi Mäkinen	45
	Mikael Hildén	2
UKCIP	Patrick Pringle	67
	Clare Downing	12
	Roger Street (reviewer of the key deliverable)	3
Total		188

Other specific costs (€)

N.A.

1.4.2.2 Urban adaptation

Main managers

ETC task manager: Margaretha Breil

ETC task deputy manager: Kirsi Mäkinen

EEA project manager: Birgit Georgi, new EEA staff

Expected main outputs

- Deliver an ETC Working Paper stock-tacking of work undertaken on social vulnerability, justice and climate adaptation
- Deliver a scoping paper on the necessary transformative approach and actions to make cities in Europe climate-resilient under current and future conditions.
- Contribute to the organisation of an Open European Day Resilient Cities 2017 together with ICLEI and other partners.
- Update the interactive urban vulnerability map descriptions

Context

Urban adaptation is a priority area in the *EU Adaptation Strategy* (2013) and in a couple of national strategies. It has proven that urban adaptation is a joint task of stakeholder at all levels – the local and regional level as the mostly implementing levels and national governments and EU as providing a supportive framework for cities. The Commission had established the *Mayors Adapt* initiative that merged with the *Covenant of Mayors* in 2015 and became the *Covenant of Mayors for Climate and Energy*. This initiative became global in 2016 and has combined forces with the global *Compact of Mayors*.

The European *Urban Agenda* process (led by DG REGIO) has identified 12 priority areas for action, among them climate adaptation. DG REGIO plans to launch a partnership on this in 2017. This partnership of EU institutions (incl. EEA), national, regional and local bodies and city networks will analyse the situation in the field and develop an action plan to address the challenges using a multi-level governance approach.

To support these and other initiatives, like *C40* or *Making my city resilient*, the Commission services, countries, cities and city networks, EEA provides the necessary information needed for decision-making.

In 2016, the EEA published the report *12/2016 Urban adaptation to climate change in Europe 2016 – Transforming cities in a changing climate*. It complements the 2012 report on urban adaptation and provides a comprehensive, but still not complete overview on the complex situation in Europe. Based on the experience gathered under the development of this report, the issues that could not sufficiently be considered and results from the discussions of the *Open European Day Resilient Cities* 5 July 2016, the ETC developed a Working Paper on possible future topics for EEA in that area. These include a broader consideration of the systemic character of climate change impacts expressed in the field of social vulnerability, justice and climate adaptation; urban adaptation in Eastern and South-Eastern Europe; land use planning and adaptation; monitoring, reporting and evaluation;

transformation in urban Europe and urban Europe 2050 – themes that EEA can prioritise and consider over the next years.

On 5 July 2016, the third *Open European Day at Resilient Cities* took place in Bonn. It was organised in cooperation with ICLEI Europe and built on contributions of other partners (DG CLIMA, DG RTD, EIB, EU research projects). Participants were very satisfied with the content and format of that event and expressed their strong wish that this networking and capacity-building event will continue on a regular basis. Given the outcome and success, an annual Open European Day should be organised thereby linking it to other ongoing initiatives and events such as the Resilient Cities conference, ECCA, Adaptation Futures and the Covenant of Mayors for Climate and Energy.

In 2015, the EEA published an interactive *Map book on urban vulnerability* under Climate-ADAPT based on preparatory work by the ETCs CCA and SIA/ULS in 2013/2014. This map book was further extended and updated with new data that became available at EUROSTAT, EEA and other places in 2016. The map book gets increasingly attention from users and should therefore continuously updated when new information comes in (also from the State of European cities report of DG REGIO, end of 2016) and in terms of user-friendliness. This work needs to include also the link to other climate and urban services, in particular EEA's work on urban indicators and DG ENV's work on indicators for the European Green Capital Award / Green Leaf Award.

Detailed description of tasks

- **Stock-taking of work undertaken on social elements of climate vulnerability, climate justice and climate adaptation** and identification of a couple of case studies where actors succeeded in factoring criteria for social justice into the analysis of climate change adaptation and the definition of adaptation options.

Analogously to issues of environmental harm not being equally distributed throughout society (see for instance Part D of the EEA report "Late lessons from early warnings II" (EEA report 1/2013) also climate change impacts are not equally distributed in society. Recent work from the UK (see JRF's Climate Just programme) puts evidence on the social conditions, which contribute to climate vulnerability not only in relation to heat impacts, but also to flooding. These differences in vulnerabilities across urban areas potentially will influence the feasibility of adaptation solutions, as not all solutions will be accessible for groups in all areas of the city. Thus, adaptation solutions can potentially increase existing or create new inequalities. Further studies of this phenomenon for countries outside the UK are actually starting and national and international institutions increasingly recognize social differentiations with regards to environmental impacts including climate change (see for instance Kovats et al. 2010). Also authors agree that findings from research in the area of environment and health in cities have a link to urban adaptation strategies.

Activities in the task include:

- To screen literature and research projects and to ask NRCs for further national sources of information.
- To summarise the results in a **background paper** for an expert workshop.

- To organise an expert workshop (tentatively early Sept. 2017) to discuss the screening results and the questions at stake. Aside of researchers and other experts this should include also selected city stakeholders.
- To summarise the results of the analysis and the workshop and use them as the basis of an ETC report to be published in 2018.
- Transformative adaptation and a systemic approach to adaptation are a relatively new area. Yet as the EEA report on urban adaptation (2016) has shown, they constitute the way forward. This needs to be seen in the overall context of transformation of the society, which was raised in SOER 2015 and is most probably the focus of one part of the SOER 2020. Furthermore, NRCs requested in the EIONET meeting 2016 more detailed examples of transformative urban adaptation including the description of barriers and success factors. Aiming at a SOER contribution or stand-alone report in 2018, a **scoping paper** needs to be developed in 2017 on the intended focus, specific target, context, scope, approach. This needs to take into account other EEA activities on transformation, the discussions in the SOER 2020 process, and transformations in the socio-economic area as well. Building on the 2016 Urban adaptation report, a further **review** will be done to identify useful examples for cities and actions that can be characterised as going beyond incremental changes and towards transitions/transformations. This includes verifying how far new transformation actions are taking place, how they can be characterized, which barriers they face and which enabling factors can promote them. This analysis will be complemented with reflections on the relation between local needs in terms of adaptation and climate resilience needs in relation to other policy goals. At the same time, the role of frameworks provided by regional, national governments, the EU and other institutional assets for enabling or hampering cities to apply a broad transformative approach will be investigated.
 - Information will come from structured expert and practitioner interviews (with city representatives, city networks and other experts) with regards to transformative adaptation. Potential good practice examples illustrating the potentials of the transformative approach will be selected.
 - The results of the analysis will be synthesised in a scoping paper where these success factors and barriers are described and ways forwards, including good examples of such support from higher levels will be identified.
- To support the EEA in organising the **Open European Day Resilient Cities 2017** in a widely similar set up as of 2016, thereby considering Covenant of Mayors activities and the ECCA 2017 conference, Adaptation Futures conference 2018 and others. The work will be done in close collaboration with ETC/ULS. Work includes contributing to: detailing the programme and developing short background documents for participants, speakers and moderators; finding appropriate stakeholders, supporting the organisation during the day in the form of moderating, observing, session set up and/or general support.
- The **map book urban vulnerability** needs a continuous update according to new data becoming available. ETC ULS will update several maps and statistics. Accordingly the assessments in the indicator factsheets need to be adjusted.

Links

- Linkages with other Tasks of the ETC/CCA AP2017: 1.4.3.1 (Climate-ADAPT).
- Linkages with other ETCs: ETC/ULS (Task on Open European Day Resilient Cities 2017 and Task on Task on Urban Web Maps).

Deliverable(s)

No	Description	ETC (Sub)task manager	Team	EEA responsible	Date
<u>1.4.2.2KD1</u>	Stock-taking of work undertaken on social vulnerability, justice and climate adaptation: 1) Working Paper on assessment of social dimensions of urban climate change impact 2) Expert Workshop 3) Draft ETC paper	Kirsi Mäkinen	Margaretha Breil, Rob Swart, Clare Downing, Linda Romanovska	Birgit Georgi, new EEA staff	1) 31/07/2017 2) XX/09-10/2017 3) 01/12/2017
1.4.2.2D2	Scoping paper adaptation and urban transformation - transition 1) First draft 2) Final draft	Margaretha Breil	Rob Swart, Kirsi Mäkinen, Thomas Dworak, Patrick Pringle	Birgit Georgi, new EEA staff	1) 30/06/2017 2) 15/12/2017
1.4.2.2D3	Support the EEA in the organisation of the Open European Day of the Resilient Cities Conference (Bonn, Germany) 1) Elaborate on the programme and development of short background documents for participants, speakers and moderators 2) Support the organisation of the	Margaretha Breil	Margaretha Breil, Linda Romanovska	Birgit Georgi, new EEA staff	1) 30/04/2017 2) 03/05/2017

	2017 Open European Day 3) Contribute to the ICLEI conference report 4) Start preparing the 2018 Open European Day				3) 30/06/2017 4) 31/12/2017
1.4.2.2D4	Urban vulnerability map book - Updates of assessments in the factsheets on demand	Jos Timmerman	Jos Timmerman, Margaretha Breil	Birgit Georgi, new EEA staff	On-going activity

List of planned meetings

Date	Venue	Title	ETC/CCA participant(s)
18-19/01/2017	Copenhagen (Denmark)	ETC/CCA 2017 Kick-Off meeting (2 half days)	Margaretha Breil
Date T.B.D in the period: March/April 2017	Web conference	Team meeting (for scoping/preparing the expert workshop on social vulnerability, justice and climate adaptation and for scoping the transition report)	Margaretha Breil, Clare Downing, Kirsi Mäkinen, Linda Romanovska
03/01/2017	Bonn (Germany)	Open European Day at the ICLEI Resilient Cities Conference	Margaretha Breil, Linda Romanovska
Date T.B.D in the period: XX/09-10/2017	Copenhagen (Denmark)	2 nd Management Committee meeting (2 half days)	Margaretha Breil
Date T.B.D (back to back with the 2 nd Management Committee meeting)	Copenhagen (Denmark)	Expert Workshop on social vulnerability, justice and climate adaptation (3 days 2 nights)	Margaretha Breil, Clare Downing, Kirsi Mäkinen, Linda Romanovska

Resources⁵**Staff (days)**

Partner	Name	No of days
CMCC	Margaretha Breil	50
FT	Thomas Dworak	5
	Linda Romanovska	15
SYKE	Kirsi Mäkinen	25
UKCIP	Clare Downing	18
WER	Jos Timmerman	5
	Rob Swart	5
PARTNER T.B.D.	Expert T.B.D. ⁶ (reviewer of the key deliverable)	2
TOTAL		125

Other specific costs (€)

N.A.

⁶ Corresponding budget calculated with a mean ETC/CCA rate, and temporarily allocated to CMCC (for budget calculation purpose). Expert to be identified as early as possible.

1.4.2.3 Disaster risk reduction

Main managers

ETC task manager: Jaroslav Mysiak

ETC task deputy manager: Rob Swart, Reimund Schwarze

EEA project manager: Sergio Castellari, Blaz Kurnik

Expected main outputs

- Finalize the **2017 EEA Report** on Climate change adaptation (CCA) and Disaster Risk Reduction (DRR). The activities will include:
 - assisting in management of the core authors team of the report
 - addressing the comments from the review of the final draft by the Advisory Group and the Eionet
 - developing the final version of the report (including final list of references included in the reference system)
 - providing the underpinning data for the maps and graphs
 - providing assistance to post-launch activities (such as support in drafting presentations, media enquiries, participation in conferences such as ECCA 2017).

Context

The EEA will produce a new **2017 EEA report “Climate change adaptation and disaster risk reduction in Europe - Synergies for the knowledge base and policies”** (hereunder referred to as “**2017 EEA CCA/DRR Report**”) which aims to facilitate a better awareness and communication among decision-makers, policy and science experts and practitioners of CCA and DRR on differences and potential synergies between both areas regarding the knowledge base, policy developments and implementation. The report will also describe trends and projections of selected extremes and economical losses from weather and climate related disasters.

This report will serve as an input to the process of the EC’s report of the EU Adaptation Strategy, scheduled for autumn 2017.

The 2017 EEA CCA/DRR report will update and improve the analysis and address novel topics with the respect to the previous work done by EEA and others.

This Task builds on work done in the ETC/CCA 2016 Task 1.4.2.3 Disaster risk reduction. In 2016 the work on the report produced draft versions that should be submitted to consultation by Eionet and the External Advisory Group in early 2017. In addition the work makes use of the final version of the 2016 EEA report on Climate change impacts and vulnerability (due to be published end 2016, developed under the ETC/CCA 2016 (Task 1.4.1.1 European climate change indicators and report 2016), where relevant.

Outline of the 2017 EEA CCA/DRR Report

- **Chapter 1: Introduction and setting the scene**
- **Chapter 2: Overview of the policies and practises at EU level on CCA and DRR** with particular focus on differences, **opportunities** and **synergies** between CCA and DRR policies and measures, such as:
 - Methods and tools in CCA and DRR
 - CCA and DRR practises in Europe (national and sub-national levels)
 - Coordination and collaboration between CCA and DRR
 - Implementation in practice
- **Chapter 3: Observations and projections of extreme weather and climate related events and disasters at the European scale.** The chapter describes:
 - Hazards: heat-waves, hail, extreme precipitations, droughts (meteorological, soil moisture and hydrological), floods (by means of river discharge data) and forest fires, wind storms (including Medicanes), storm surges, landslides and avalanches.
 - Uncertainties and data gaps and needs.
 - Analysis of selected events of natural hazards in EEA member countries.
- **Chapter 4: Impacts and risks from natural hazards on ecosystems, health and socio-economic sectors.** The chapter describes:
 - The State of the art of damages/loss data at European and National level,
 - Analysing links between floods, heat waves, droughts on human health and well-being,
 - Environmental impacts of extreme weather and climate related events
 - Economic damages from natural hazards by analysing data from Munich Re.
- **Chapter 5: Case studies on successful practises:**
 - Cases/examples of practices of links/synergies between CCA and DRR policies across some EEA member countries (national and possibly sub-national levels).
- **Chapter 6: Opportunities for better integrate CCA and DRR in policies and in practice**
 - Chapter builds on the previous chapters (Ch. 2 and 5) and presents solution how to integrate both communities, by improving better horizontal and vertical coordination, integrating the knowledge from DRR into CCA and vice versa.

Detailed description of tasks

The following activities are carried out in 2017:

1. **Finalise the report** by addressing the comments from the Advisory Group (AG) and the EIONET review
2. Collect and provide the **meta data and underpinning data** for all figures included in the report
3. Supporting preparing and participating in relevant meeting (including advisory group, and authors team meetings), which will be organized by electronic means (e.g. Skype, WebEx).
4. Support to the **post-launch activities** of the report (such as support in report distribution and presentation at meeting and conferences, support in drafting presentation and support in addressing media enquiries).
5. Support dissemination of findings of the 2017 CCA/DRR report, in particular through a journal paper (open access) describing the process and main findings.

Links

- Linkages with other Tasks of the ETC/CCA AP2017: 1.4.1.1 (European climate change indicator report)
- Linkages with other ETCs: ETC/ICM (direct link to the supporting Task 1.4.2.3 Disaster risk reduction).

Deliverable(s)

No	Description	ETC task manager	Team	EEA responsible	Date
<u>1.4.2.3KD1</u>	Prepare the final version of the report, ready to be sent for editing and lay outting	Jaroslav Mysiak	Rob Swart, Koen Kramer, Jaroslav Mysiak, Paul van der Linden, Reimund Schwarze, Patrick Pringle	Sergio Castellari, Blaz Kurnik	15/04/2017
1.4.2.3D2	Support and participate to relevant authors meetings (remotely)	Jaroslav Mysiak	Rob Swart, Koen Kramer, Jaroslav Mysiak, Paul van der Linden, Reimund Schwarze, Patrick Pringle	Sergio Castellari, Blaz Kurnik	15/04/2017
<u>1.4.2.3KD3</u>	1. Provide meta-data and underpinning data for all figures and maps. 2. Provide and support inclusion of references to Zotero reference system	Jaroslav Mysiak	Rob Swart, Koen Kramer, Jaroslav Mysiak, Paul van der Linden, Reimund Schwarze, Patrick Pringle	Sergio Castellari, Blaz Kurnik	30/04/2017
1.4.2.3D4	Post launch activities (support in drafting presentations, and media enquiries)	Jaroslav Mysiak	Rob Swart, Reimund Schwarze, Patrick Pringle	Sergio Castellari, Blaz Kurnik	Between the launch of the report and 30/09/2017
1.4.2.3D5	Participation in meetings JRC and DRMKC organises in the context of DRR and other meetings at EU level (report within 2 weeks after the workshops/meetings) ⁷	Jaroslav Mysiak	Jaroslav Mysiak	Sergio Castellari	On-going activity
1.4.2.3D6	Assistance in presentation of the CLIM039 indicator, based on the analysis completed in 2016	Jaroslav Mysiak	Jaroslav Mysiak	Sergio Castellari, Blaz Kurnik	30/04/2017

⁷ Please refer to table: 'List of planned meetings'.

ETC/CCA expert roles

Name	Partner	Role
Jaroslav Mysiak	CMCC	<ul style="list-style-type: none"> Finalisation of the Report and the related dissemination activities Participation in the DRMKC activities on disaster loss data Assistance in the publication of the CLIM039 indicator
Paul van der Linden	UKMO	Finalisation of the Report and the related dissemination activities
Schwarze Reimund	UFZ	Finalisation of the Report and the related dissemination activities
Rob Swart	WER	Finalisation of the Report and the related dissemination activities
Patrick Pringle	UKCIP	Finalisation of the Report and the related dissemination activities

List of planned meetings

Date	Venue	Title	ETC/CCA participant(s)
18-19/01/2017	Copenhagen (Denmark)	ETC/CCA 2017 Kick-Off meeting (2 half days)	Jaroslav Mysiak
Dates T.B.D	Venues T.B.D.	Post launch events T.B.D. (see del. 1.4.2.4D4)	Jaroslav Mysiak, Paul van der Linden, Rob Swart, Reimund Schwarze, Patrick Pringle
Date T.B.D	Venue T.B.D. by JRC	JRC and DRMKC meetings T.B.D. (see del. 1.4.2.4D5)	Jaroslav Mysiak
Date T.B.D in the period: XX/09-10/2017	Copenhagen (Denmark)	ETC/CCA 2017 2 nd Management Committee meeting (2 half days)	Jaroslav Mysiak

Staff (days)

Partner	Name	No of days
CMCC	Jaroslav Mysiak	22
MO	Paul van der Linden	10
UFZ	Reimund Schwarze	10
UKCIP	Patrick Pringle	10
WER	Rob Swart	10
	Koen Kramer	2
Total		64

Other specific costs (€)

N.A.

1.4.2.4 Climate change impacts and adaptation in agriculture

Main managers

ETC task manager: Maria Berglund

ETC task deputy manager: Claire Jacobs

EEA project manager: Blaz Kurnik

Expected main output

- Develop a Scoping paper on climate change impacts and adaptation in the agricultural sector

Context

Agriculture sector is highly exposed to climate change, as farming activities depend strongly on climatic conditions. Agriculture also contributes to climate change through the release of greenhouse gases into the atmosphere but can also provide solutions to reduce emissions. Agriculture is impacted by rising temperatures and precipitation variability (positive and negative effects) and also by extreme weather and climate events (negative effects). Adapting agriculture to climate change can reduce the damage of those impacts and make society more resilient and food production more sustainable.

The EU Policy framework

The Common Agricultural Policy (new CAP 2014-2020) addresses climate change and adaptation through mandatory greening (Pillar 1) and voluntary measures under the rural development programmes (Pillar 2). Pillar 2 offers a number of measures to implement adequate solutions to the challenges of climate change and to enable a more sustainable EU agriculture. Given the pressure on natural resources, agriculture has to improve its environmental performance through more sustainable production methods. The contribution of cross compliance and greening under Pillar I is limited with respect to adaptation to climate change. On the other hand, under Pillar II, the rural development programmes offer support to farmers, who also have to adapt to climate change by developing greater resilience to disasters and a changing climate in a sustainable way. Sustainable management of natural resources and climate action therefore represents one of the three main objectives of the CAP. 21% of the total CAP budget in 2014-2020 is related to climate change adaptation and risk prevention. How effective the CAP is in leading to more sustainable agriculture production in light of the need for adaptation to climate change remains to be seen considering the emphasis on voluntary participation by the agriculture community.

A linked but separate issue is the lack of knowledge of how semi-subsistence farming outside of the CAP (i.e. not receiving direct payments), which has a significant share of the agriculture sector in some countries, cope with climate change and what instruments, if any, are available to them.

The EU Strategy on Adaptation to Climate change (published as communication in 2013) focuses on three objectives and eight actions. Action 6 links climate change to CAP with the focus on climate-proofing of the CAP. Various Commission staff working documents (SWDs) and Green papers (GPs) focus on different aspects of adapting agriculture to climate change, for example a SWD on

“Adaptation to climate change impacts on human, animal and plant health”, “Principles and recommendations for integrating climate change adaptation considerations under the 2014-2020 rural development programmes” and to a lesser extent “Green paper on the insurance of natural and man-made disasters”.

The EU knowledge base

A scoping paper will review the available scientific and “grey” literature and consider the relevant work and activities (outside and inside the EEA, including scientific literature and expert knowledge).

Detailed description of tasks

- **Prepare a scoping paper on climate change impacts and adaptation in agricultural sector.** This paper will be a starting point for an EEA report on climate change impacts and adaptation in agriculture sector. The scoping paper will focus on the following elements.
 - 1) Describing key climate change impacts on agriculture sector, which includes the crop production and livestock systems in different European regions. Such as:
 - Increases in temperature and temperature variability influencing growing seasons, shifting climatic zones (positive for some regions, negative for others) phenology, crop yield, heat stress, health status and diseases, frequency of frost events
 - Changes in precipitation patterns influencing frequency of droughts, soil erosion, irrigation needs
 - Salt water intrusion into freshwater aquifers used for irrigation in coastal zones
 - Combination of raising temperatures and changes in precipitation influencing evapo(-transpiration), crop production and frequency and magnitude of pest diseases
 - Combination of increased variability of temperature and precipitation, like heavy precipitation, heat waves, droughts and water scarcity, frost, and hail
 - Combined impacts (like heat waves and droughts), Multiple impacts during a growing season (like spring frost, summer droughts, autumn heavy precipitation) and Cascading impacts (impacts in one region disrupting agricultural sector in another region).
 - 2) Presenting different options and solutions of adapting the agriculture to current and future climate change. This part should include also policy and funding overview (gaps and challenges) on climate change adaptation in agriculture. The emphasis should be on solutions, including:
 - Overview of policies on climate change adaptation in agriculture at the EU level
 - Technical solutions: This section will be broken down along the different management systems: Fruit, vegetables, wine, arable and mixed farming. Technical solutions will cover changes in agricultural practices to rising temperatures, e.g. drought-resistant crops; responsible and targeted use of pesticides; sustainable water use depending on the local circumstances, use of hail and frost protection, flood prevention etc.
 - Management and business solutions: This section will detail between semi-subsistence, small and large farms
 - a) Managerial solutions: insurance schemes, education of farmers about the climate change impacts, changes in extreme events and use of early warning systems

- b) Business solution: e.g. shifting towards other products or services, shifting business
 - User needs: lessons learned from user interactions on earlier experiences in adaptation options, recommendations from practice, bottom up approaches including farmers in the sector in developing solutions and decision-making.
- Identify and follow the outcomes from relevant European projects and initiatives on the Climate change impacts and adaptation in agriculture sectors in Europe (such as the H2020 and FP7 projects, DG CLIMA, DG AGRI and DG JRC work, and FAO initiatives/programmes with European focus). These outcomes will feed into the scoping paper.

Links

- Linkages with other Tasks of the ETC/CCA AP2017: 1.4.1.1 (European climate change indicator report)
- Linkages with other ETCs: ETC/ACM (work on agriculture and climate change mitigation in ACC3 and pollution from agriculture in ACC1).

Deliverable(s)

No	Description	ETC (Sub)task manager	Team	EEA responsible	Date
<u>1.4.2.4 KD1</u>	Scoping paper: 1) 1 st draft 2) 2 nd draft 3) Final version (<i>key deliverable</i>)	Maria Berglund	Maria Berglund, Thomas Dworak, Claire Jacobs, Serena Marras	Blaz Kurnik	1) 31/05/2017 2) 30/09/2017 3) 30/11/2017

List of planned meetings

Date	Venue	Title	ETC/CCA participant(s)
18-19/01/2017	Copenhagen (Denmark)	ETC/CCA 2017 Kick-Off meeting (2 half days)	Maria Berglund
Date T.B.D. (back to back with the ETC/CCA 2017 Kick-Off meeting)	Copenhagen (Denmark)	1 st Writing team meeting (2 half days)	Maria Berglund, Thomas Dworak, Claire Jacobs
Date T.B.D in the period: XX/06/2017	Web conference	2 nd Writing team meeting	Maria Berglund, Thomas Dworak, Claire Jacobs, Serena Marras
Date T.B.D in the period: XX/09-10/2017	Copenhagen (Denmark)	2 nd Management Committee meeting (2 half days)	Maria Berglund
Date T.B.D in the period: XX/10/2017	Web conference	3 rd Writing team meeting	Maria Berglund, Thomas Dworak, Claire Jacobs, Serena Marras

Resources**Staff (days)**

Partner	Name	No of days
CMCC	Serena Marras	10
FT	Maria Berglund	33
	Thomas Dworak	10
SYKE	Stefan Fronzek (reviewer of the key deliverable)	2
WER	Claire Jacobs	14
Total		69

Other specific costs

N.A.

1.4.2.5 Adaptation in transnational regions

Main managers

ETC task manager: Jos Timmerman

ETC task deputy manager: Wolfgang Lexer

EEA project manager: Kati Mattern

Expected main outputs

- Develop an ETC/CCA Working Paper, presenting the state of the art of adaptation policies in transnational regions in Europe
- Provide recommendations for the work to be conducted in 2018

Context

Impacts of climate change occur across borders (e.g. river and coastal flooding, impacts on biodiversity, forest fires, spread of vector-borne diseases). Coordinated adaptation policy, planning and implementation can help to cope efficiently with these challenges (e.g. there is proof of reduced flood damages for the large river flood events in Middle Europe from 2003 to 2013), whereas lack of cooperation can increase climate change impacts⁸.

Trends for climate change impacts and vulnerability in Europe are summarized in the 2016 EEA “Impacts” report (to be published). Key observed and projected climate change and impacts for the main regions in Europe are visualized in this report and explained in more detail for Arctic, Northern Europe, North-western Europe, Central and Eastern Europe, Mediterranean region, Mountain regions, EU Outermost regions and the Overseas Countries and Territories. The Overseas Countries and Territories will not be included in this task for the time being.

Some first analyses of climate change impacts at transnational level have been produced already by EU funded projects (e.g. Baltadapt and Carpivia) but in general, detailed impact and vulnerability analyses in particular at transnational level are still lacking.

Policy framework for adaptation at transnational level

At EU level the 2013 EU Adaptation Strategy has framed the adaptation policy for transnational regions with the aim to contribute to a more climate-resilient Europe. This means enhancing the preparedness and capacity to respond to climate change impacts at all governance levels in the EU (including the transnational level) by developing a coherent approach and improving coordination.

This coherent approach is being implemented by promoting action in member states, improving the knowledge base (including Climate-ADAPT, EU funded research and the Copernicus Climate Services), and providing financial support for adaptation.

⁸ E.g. Bakker, M. H. N. (2006), Transboundary river floods: Vulnerability of continents, international river basins and countries, PhD thesis Oregon State University, Oregon, USA, 276 pp.

The European Structural and Investment funds⁹ as well as the Horizon 2020 and the LIFE programme should provide significant support also to transnational regions to invest in adaptation programmes and projects, especially in the framework of the dedicated Investment Priorities on adaptation of the ERDF and Cohesion Fund. Based on the definition of the strategic goals and thematic priorities, priority is given to adaptation flagship projects that address key trans-regional and/or cross-border issues.

There are several examples of joint adaptation projects among European countries or cities, some of them also co-financed by the EU (e.g. LIFE). In particular, Cohesion policy co-finances many cross-border, transnational and interregional adaptation programmes and projects, including those in the framework of the EU macro-regional strategies in the Danube area and the Baltic Sea. There are [12 regions](#) in Europe for transnational co-operation. In addition, specific EU agreed strategies exist for four macro-national regions: [Baltic Sea](#), [Danube](#), [Alpine](#), and [Adriatic and Ionian](#) regions (see the Transnational pages on Climate-ADAPT <http://climate-adapt.eea.europa.eu/countries-regions/transnational-regions>). For the West Balkan countries funding for supporting the adaptation policy process was provided in the frame of the ECRAN project on adaptation (2014-2016) and will be further provided via IAP (DG NEAR).

Although EU funding is available, access to funds for transnational level projects remains sometimes problematic, particularly when non-EU countries and partners are involved. This was reported, for example, at the meeting of the Adaptation Working group of the Carpathian Convention (October 2015, Hungary).

Knowledge base

At the EU level, guidance, knowledge and experience regarding all steps of the adaptation policy planning and implementation are shared via Climate-ADAPT. Transnational sections give overview information about policy frameworks in all EU Macro-regions and provide access to information on specific EU funding opportunities. For some regions, sub-sections with detailed information on the policy framework, assessments, stakeholder involvement and adaptation actions are already available (e.g. the Baltic Sea Region) or under development (e.g. for the Carpathian region and the Pyrenees). These pages support cooperation via sharing common knowledge and best practices for the regions.

The transnational regions are included in all dissemination activities of EEA for adaptation knowledge (e.g. Eionet meeting, expert meetings, Climate-ADAPT Webinars, bi-monthly newsletter, conferences etc.).

Progress of adaptation at transnational level

Based on the different economic backgrounds and the varying governance approaches across the transnational regions in Europe, adaptation is embedded in different policy frameworks. In the Benelux region, adaptation is already implemented in the cross-border cooperation for some priority

⁹ The Cohesion Fund, the European Regional Development Fund (ERDF), the European Social Fund (ESF) the European Agricultural Fund for Rural Development (EAFRD) and the European Maritime and Fisheries Fund (EMFF).

sectors. This uses the well-functioning cooperation structures of the international river protection commissions (e.g. ICPR) in order to mainstream adaptation into the relevant policy sectors. On the contrary, other regions, such as the Carpathian Mountains Region and the Union of the Mediterranean, have already a sufficient scientific knowledge base for climate change impacts and some recommendations for policy actions, but are still struggling with awareness raising and capacity building, to enable the uptake and implementation of the recommended adaptation actions. Based on the decision COP 4/10 on “Adaptation to climate change”, the current focus of the Carpathian Convention’s working group on adaptation is to seek for strategic cooperation with the other working groups on adaptation in transnational regions in Europe in attempts to enable stakeholders in the Macro-region to apply for European funds.

In particular the Baltic States Macro-region is quite advanced in building a common knowledge base via Climate-ADAPT and sharing experiences in Climate dialogue forums. Yet it struggles with the lack of political anchoring of the practical adaptation actions at national level.

On 9 May 2016 a first meeting was held in Brussels, jointly initiated by the Benelux and the Council of the Baltic Sea Secretariats (CBSS), involving the Macro-regions of Benelux, Baltic Sea, Carpathians and the Mediterranean. The purpose of the meeting was to explore the strategic role of the transnational level in the implementation of the EU Adaptation Strategy, the policy framework on adaptation including its legal basis, as well as financial support available for adaptation at macro-regional level. Since there is no concrete political mandate for this group no specific action was agreed beyond the announcement of the next workshop (2018).

In particular during this event it became clear that the level of preparedness is very diverse and that the role of the Macro-regions within the multi-governance perspective of the EU Adaptation Strategy is not very clear and strong. DG CLIMA was not present in the meeting. The cooperation of countries within one region and among the European transnational regions via building common databases, develop decision support systems and sharing of best practices should be further supported.

Therefore the EEA could play a decisive role and should support a network for facilitating knowledge sharing on adaptation among the Macro-regions.

This could be achieved by:

- enabling learning from each other by compiling the policy approaches used in the transnational regions via an 2018 EEA report on “Adaptation policies in Transnational regions in Europe”. This should include an analysis of the adaptation policy at transnational level based on a self-assessment comparable to the process and the categories used in the 2014 EEA report on national adaptation policies;
- supporting transnational level vulnerability analysis considering new knowledge available ‘from research such as the EU funded research projects such as IMPRESSIONS¹⁰ via involving the experts in respective EEA activities;

¹⁰ <https://docs.google.com/forms/d/e/1FAIpQLSeho0XVPFO-HwxGPq86WJrxGfgq7qetXOJBUXxjVccBWv7Q/viewform?c=0&w=1>

- enhancing the links from Climate-ADAPT to transnational regions web-based information ;
- providing advice to DG CLIMA and supporting a possible DG CLIMA service contract for Science-Policy workshops in transnational regions comparable to the 2014 project at national level;
- actively supporting the development of specific pages on Climate-ADAPT dedicated to adaptation in the transnational regions, using the template of the Baltic Sea Pages (for the Carpathian convention, the Pyrenees, and others);
- continuing to support the ECRAN follow-up activities;

In 2017 stocktaking work will be carried out to further define and prioritise the above mentioned actions.

Detailed description of tasks

- Review of the state of the art of adaptation policies in transnational regions in Europe as well as the knowledge available through a desk study and targeted interviews (a limited number of interviews is foreseen). The collected information will be used to develop fact sheets for the different regions, similar to the Transnational pages on Climate-ADAPT and possibly other regions to be decided (e.g. tri-lateral cooperation Wadden Sea¹¹, Benelux, Mediterranean region¹², other?). The topics of the fact sheets will be defined, taking into account the categories used in the 2014 EEA report on national adaptation policies.
- Compiling the fact sheets into a scoping paper, including recommendations towards the work to be done in 2018.

Links

- Linkages with other Tasks of the ETC/CCA AP2017: 1.4.3.1 Climate-ADAPT
- Potential linkages with other ETCs: T.B.D.

¹¹ <http://www.waddensea-secretariat.org/>

¹² <http://ufmsecretariat.org/>

Deliverable(s)

No	Description	ETC (Sub)task manager	Team	EEA responsible	Date
1.4.2.5D1	Factsheets for transnational regions in Europe	Jos Timmerman	Wolfgang Lexer, Elisa Calliari, Margaretha Breil	Kati Mattern	31/05/2017
<u>1.4.2.5KD2</u>	Scoping paper on review and recommendations	Jos Timmerman	Wolfgang Lexer, Elisa Calliari, Margaretha Breil	Kati Mattern	30/09/2017

List of planned meetings

Date	Venue	Title	ETC/CCA participant(s)
18-19/01/2017	Copenhagen (Denmark)	ETC/CCA 2017 Kick-Off meeting (2 half days)	Jos Timmerman
March 2017	Web conference	Progress meeting	Jos Timmerman, Wolfgang Lexer, Elisa Calliari, Margaretha Breil
September 2017	Web conference	Discussion on scoping paper	Jos Timmerman, Wolfgang Lexer, Elisa Calliari, Margaretha Breil
Date T.B.D in the period: XX/09-10/2017	Copenhagen (Denmark)	2 nd Management Committee meeting (2 half days)	Jos Timmerman

Resources**Staff (days) per Partner**

Partner	Name	No of days
CMCC	Elisa Calliari	8
	Margaretha Breil	8
EAA	Wolfgang Lexer	8
UPM	Ángel Aparicio (reviewer of key deliverable)	2
WER	Jos Timmerman	15
Total		41

Other specific costs (€)

N.A.

1.4.2.6 Workshops

Main managers

ETC task manager: Silvia Medri

EEA project manager: André Jol

Expected main outputs

- Contribute to and participate in the 11th annual Eionet Workshop on climate change impacts, vulnerability and adaptation (CCIVA)
- Participate in the three annual NFP/Eionet meetings

Context

In 2016 the EEA organised the 10th annual Eionet workshop on CCIVA and three NFP/Eionet meetings.

In 2017 the 11th Eionet workshop on CCIVA will be organised by the EEA (likely in June), with the purpose of discussing on-going and planned work on CCIVA by the: EEA, European Commission, international organisations and EEA Member Countries. In 2017 the EEA will organize also three annual NFP/Eionet meetings (in March, May-June and October). The ETC/CCA will participate in such meetings.

Detailed description of tasks

The ETC/CCA will participate and contribute to the 2017 Eionet workshop on CCIVA, including by preparing the minutes of the workshop and a follow-up report.

The ETC/CCA will participate in the 2017 three annual NFP/Eionet meetings (and attached regular EEA/ETC coordination meetings), including by preparing related ETC documents upon EEA request.

Links

- Potential linkages with other Tasks of the ETC/CCA AP2017: all Tasks.
- Potential linkages with other ETCs: all ETCs.

Deliverable(s)

No	Description	ETC (Sub)task manager	Team	EEA responsible	Date
1.4.2.6D1	Participation in the 11 th Eionet Workshop on CCIVA, including support in preparing minutes and report	Silvia Medri	Silvia Medri	André Jol	XX/06/2017 ¹³
1.4.2.6D2	Participation in the three NFP/Eionet meetings: 1) 1 st NFP/Eionet Meeting 2) 2 nd NFP/Eionet Meeting 3) 3 rd NFP/Eionet Meeting	Silvia Medri	Silvia Medri	André Jol	1) 1-2/03/2017 2) 31/05-01/06/2017 3) 04-05/10/2017

List of planned meetings

Date	Venue	Title	ETC/CCA participant(s)
1-2/03/2017	Copenhagen (Denmark)	1 st NFP/Eionet Meeting	Silvia Medri
31/05-01/06/2017	Copenhagen (Denmark)	2 nd NFP/Eionet Meeting	Silvia Medri
XX/06/2017 ¹⁴	Copenhagen (Denmark)	11 th Eionet Workshop on CCIVA	Silvia Medri
04-05/10/2017	Copenhagen (Denmark)	3 rd NFP/Eionet Meeting	Silvia Medri

Resources**Staff (days)**

Partner	Name	No of days
CMCC	Silvia Medri	25,0
Total		25,0

Other specific costs (€)

N.A.

¹³ Date to be defined by the EEA in 2017.¹⁴ Date to be defined by the EEA in 2017.

EEA project 1.4.3 Information systems (Climate-ADAPT)

1.4.3.1 Climate-ADAPT

Main managers

ETC task manager: Silvia Medri

ETC task deputy managers: Ana Gomes, Valentina Giannini

EEA project manager: Kati Mattern

Expected main outputs

- Update and improve Climate-ADAPT database (DB) and Web content
- Improve the links of Climate-ADAPT to the relevant sources of information
- Produce a 2017 EEA report on “Climate-ADAPT evaluation” (major output)
- Implement results of DG CLIMA projects relevant to Climate-ADAPT (content/IT)
- Enhance the involvement of users and contributors
- Support the EEA in the exchange and enhancement of knowledge on adaptation platforms

Context

The European Climate Adaptation Platform (Climate-ADAPT¹⁵) is hosted by the EEA since its launch in March 2012.

During 2016 the EEA, supported by the ETC/CCA, improved and updated the content of the platform – particularly the EU sector policy and transnational regions pages – improved existing tools – such as the ‘MRV’ step of the Adaptation Support Tool – systematically enhanced the coverage of research projects and their results from various projects – DG CLIMA, INTERREG and FP7 research – and developed FAQ sections for users and information providers. The European Climate Adaptation Newsletter¹⁶ was published bimonthly (6 times per year), including a specific Climate-ADAPT section informing about the publication of new features and content, that helped to further promote Climate-ADAPT use. In order to allow a better learning from each other at national level a process was set up to collect contributions from NRCs and from transnational regions on a regular basis. The streamlining of the DB maintenance was continued.

The EEA actively contributed to European Commission funded Environment and Climate Regional Accession Network (ECRAN)¹⁷ workshops with West Balkan countries and Turkey, and to the Baltic Sea Region Round Table on Climate Change Adaptation¹⁸. At these workshops Climate-ADAPT was presented and the submission of content promoted.

¹⁵ <http://climate-adapt.eea.europa.eu/>.

¹⁶ <http://climate-adapt.eea.europa.eu/newsletter>.

¹⁷ <http://www.ecranetwork.org/>.

¹⁸ <http://www.cbss.org/cbss-baltic-21-roundtable-climate-change-adaptation-baltic-sea-region/>.

The EEA, supported by the ETC/CCA, also presented Climate-ADAPT at a range of conferences, including Adaptation Futures 2016 and EnviroInfo 2016.

Furthermore the platform was migrated to the EEA common Content Management System 'Plone' (June - October 2016).

For the second time the content of the Climate-ADAPT database was systematically analysed and assessed. Based on the identified gaps, the ETC/CCA Climate-ADAPT thematic experts focused the screening of the literature on this in order to methodically fill these gaps. Within the EEA and the ETC/CCA specific expertise was built up to carry out such systematic analysis on a regular basis and in order to ensure that the acquired know-how is not lost against the expert turnover there is a need to document the knowledge and lessons learned. Awareness was raised that the Climate-ADAPT "internal knowledge management" is an important future topic (see following relevant section 'a').

Based on the 2015 EEA Technical Report "Overview on national adaptation platforms in Europe"¹⁹ in 2016 an "Expert meeting on adaptation platforms in Europe" was held back to back with the yearly Eionet workshop on CCIVA in order to continue exchanging experiences on important aspects of the adaption platform development (engagement of users, selection and presentation of content, monitoring and evaluation of adaptation platform use).

Furthermore, the involvement of users and contributors was further enhanced, e.g. by means of direct contacts and/or meeting(s). The EEA, supported by the ETC/CCA, continued to carry out the more regular exchange (through Webinars) both with information providers and users in order to inform them as well as to get feedback on the development of Climate-ADAPT. The results of the user/information provider feedback were used to set the priorities for the further improvement of Climate-ADAPT, in particular for the evaluation of Climate-ADAPT, and to jointly work with Member States on specific topics (e.g. on the monitoring of Platform use).

Regarding the future Copernicus Climate Change Service (C3S)²⁰, the EEA discussed in 2016 the possible linkages between C3S and Climate-ADAPT with the Service provider (ECMWF), the pre-operational projects (such as CLIPC²¹) and sectoral information system projects (such as SWICCA²²).

The internal management of the Climate-ADAPT sub-tasks previously based on the exchange of emails and the Eionet forum was changed in 2016 to working with the EEA project management system 'Taskman'. Documents are continued to be shared via the Eionet forum. The modification allows a more transparent management of the Climate-ADAPT activities, and sharing of work in progress for a remote team and the availability of all decisions and related documents for every team member at any time. An additional added value is the close connection to the EEA IDM Taskman tickets. In order to also enhance the efficiency of the bi-weekly Climate-ADAPT Management Group Skype calls a more formal system of agenda/minutes was introduced.

¹⁹ EEA Technical report No 5/2015, <http://www.eea.europa.eu/publications/overview-of-climate-change-adaptation>

²⁰ <http://climate.copernicus.eu/>

²¹ <http://www.clipc.eu/>

²² <http://swicca.climate.copernicus.eu/>

DG CLIMA aims to reduce their involvement in the operational work of Climate-ADAPT. A Climate-ADAPT Advisory Group was re-established with the aim to more actively involve all relevant DGs of the European Commission, in contributing to Climate-ADAPT and in ensuring linkages and synergies across Commission/EEA activities on various platforms and networks.

In 2017 further improvements and updates are planned as a follow-up to these activities and as part of the 2014-2018 Climate-ADAPT Work Plan (revised version of April 2014)²³. In 2017 the EEA and DG CLIMA will revise the work plan, based on the evaluation and possible revision of the EU Adaptation Strategy.

The 2017 **priorities**, in line with the Climate-ADAPT *Work Plan*, are the following ones.

Evaluation

- Continue the regular criteria-based analysis of Climate-ADAPT content such as the DB, Web pages and Newsletter.
- Further support EEA in analysing the Climate-ADAPT use, in particular via Google analytics statistics, a user/information provider survey and the newsletter statistics.
- Support the preparation and writing of the envisaged 2017 EEA report on “Climate-ADAPT Evaluation” as an input to the EU Adaptation Strategy evaluation process carried out by EC service contractors as well as the 2018 EC Staff Working Document of to the European Parliament on the progress of the EU Adaptation Strategy.

Content

- Improve the content of the most relevant Web pages and the DB in a timely and structured way, including closing identified gaps
- Develop a link to the future content and functionalities of the C3S and present the results of the pre-operational Copernicus projects
- Improve the presentation of content related to important EU activities (Green Infrastructure, Ecosystem based approaches, Natural Water Retention Measures, Disaster Risk Management Knowledge Centre - DRMKC)²⁴
- Enhance trans-national information for individual transnational regions
- Systematically and efficiently include results of EU research projects, LIFE and Interreg projects

IT

- Support EEA in making full use of the new Climate-ADAPT functionalities provided by the new Content Management System Plone (e. g. via retrospective review and re-tagging of the DB items, according to possible new item categories).

²³ http://forum.eionet.europa.eu/nrc-climate-change-adaptation/library/workshops-meetings/expert-workshop-climate-change-adaptation-platforms/meeting-documents/040614_climateadapt_wp_summary

²⁴ To be clarified by the EEA after discussions with DG CLIMA and DG ENV and other DGs.

Detailed description of *subtasks*²⁵

a) Maintenance of Climate-ADAPT DB Content

• DB Content Quality Assurance

- Update all the categories of Climate-ADAPT DB items except the category: ‘Indicators’. All experts should in 2017 further consider a stronger focus on general adaptation items covering all the different steps of the adaptation cycle (see the Adaptation Support Tool – AST²⁶). All experts should also focus more on the following specific topics²⁷: Green Infrastructure, Ecosystem based approaches, Natural Water Retention Measures, DRMKC²⁸.
 - In particular, all the relevant thematic experts should check the references of the assessment reports produced within the other ETC/CCA 2016 and 2017 Tasks²⁹, and include in the DB any missing items.
 - Moreover, experts should check and improve the internal consistency of DB items, i.e. mark outdated items that need a link to newer versions.
- The FAQs for users and for information providers should be updated based on the new Plone work flow. The use of the internal discussion forum (on the Eionet Forum) is also recommended.

• Further development of the DB

- Continue: (statistically) analysing the coverage of the Climate-ADAPT database, applying the methodology used in the 2015 statistical analysis³⁰; verifying the results with the thematic experts and identifying possible gaps in the capturing of the European adaptation knowledge base; developing proposals how they can be filled T (once per year).
- Analyse and document how the 2015 gaps in the Climate-ADAPT database were filled by the structured updating.
- Update the DB according to the identified gaps, as a top priority.
- Support the EEA in the process of: proactively preparing (off-line) possible DB submissions from external providers (e.g. in connection to sub-task ‘d’), screening the information (subsequently) collected from the providers, identifying what information is eligible (and developing off-line lists of potential new DB items), and finally reviewing and submitting them.

²⁵ ETC/CCA actual contribution to be refined and agreed upon in 2017 considering work progress and budget use.

²⁶ <http://climate-adapt.eea.europa.eu/adaptation-support-tool>.

²⁷ To be clarified by EEA after discussions with DG CLIMA and DG ENV and other DGs.

²⁸ <http://drmkc.jrc.ec.europa.eu/>.

²⁹ Namely: (Task 1.4.1.1) 2016 EEA report on Climate change impacts and vulnerability; (Task 1.4.2.2) EEA 2016 report on Urban adaptation; (Task 1.4.2.1) 2016 ETC Working Paper on the Evaluation of climate change adaptation at national level; (Task 1.4.2.3) 2017 EEA (draft) report on Disaster risk reduction and climate change adaptation.

³⁰ <http://forum.eionet.europa.eu/etc-cca-consortium/library/etc-cca-2014-2018/etc-cca-2015/project-1.4.3-information-systems-climate-adapt/task-1.4.3.1-climate-adapt/further-development-climate-adapt-db/database-coverage-analysis>.

- Support the EEA in further analysing the Climate-ADAPT Web statistics, e.g. to identify the most searched keywords and visited items categories to understand the interests of the users and detect any possible gaps.
- **Internal knowledge management**
 - The documented experience and knowledge gathered during e. g. the statistical analysis of the DB and the use analysis of the newsletter etc . will be the starting point for the internal knowledge management. This is meant to keep the growing knowledge available for the remotely working and often changing team. Lessons learned on the platform analysis and assessment should be summarized in the most practical way and uploaded (as one ‘living’ word document or different files under one dedicated folder) on the Eionet forum.
 - Organize an exchange on cross-cutting topics among the thematic experts as part of the 2017 Thematic experts meeting (e. g. the observation of knowledge development trends and/or policy developments, etc.).

b) Further development of Climate-ADAPT case studies & adaptation options

- **Case studies³¹**
 - Assess the coverage of case studies (once per year) and systematically update the Climate-ADAPT DB on case studies based on the identified major gaps³² in sector (marine and fishery, health and to a lesser extent: agriculture, energy, transport, forestry and financial), impacts (ice and snow) and geographic coverage (Northern periphery, Black Sea, Alpine space, e.g. in connection to the C3-Alps ‘Climate Adaptation Platform for the Alps’³³); and possibly also for not covered countries.
 - Support and edit submissions of case studies.
 - Carry out a survey for the actual use of the case studies via a questionnaire towards the case study contacts regarding the number of contacts and the topics discussed. Assess the results considering the use of the case studies per sector, per impact and per country.
 - Finalize the content already developed in 2016 for a (about 10 pages) leaflet describing and illustrating 8-10 Climate-ADAPT case studies. The leaflet is aimed at improving knowledge dissemination on Climate-ADAPT case studies and at encouraging external submissions.
- **Adaptation options³⁴**
 - Include adaptation options for gaps identified in the 2016 adaptation options analysis³⁵ (e. g. mountain areas).

³¹ <http://climate-adapt.eea.europa.eu/sat>

³² <http://forum.eionet.europa.eu/etc-cca-consortium/library/etc-cca-2014-2018/etc-cca-2015/project-1.4.3-information-systems-climate-adapt/task-1.4.3.1-climate-adapt/climate-adapt-case-studies/analysis-case-study-coverage>

³³ <http://portal.c3alps.eu/kip#/>

³⁴ <http://climate-adapt.eea.europa.eu/adaptation-measures>

- On a re-active basis, verify and edit external submissions of adaptation options (e. g. the Natural Water Retention Measures, EIB, others), including both new ones and updated versions of existing ones.
- Update the existing matrix of options per case studies with the identification of the links between the two and ensure appropriate cross-linkages between case studies and adaptation options if needed, consistently with the on-going development of the Climate-ADAPT DB.
- Update in Q4 the annual adaptation options coverage overview, identify possible gaps using the methodology of the previous 2016 analysis and develop adaptation options to fill the gaps based on the knowledge available.

c) Further development of Climate-ADAPT Web Content

Improving the content of the Climate-ADAPT Web pages and the efficiency of the process of their update by using the improved Plone functionalities is another key 2017 **priority**.

- Regularly update the news/events pages and to support the EEA in producing a regular newsletter including a systematic analysis of the use statistics and possible revision of the newsletter at the end of the year. All the thematic experts will be reminded to regularly provide input to it, by uploading proposals on a dedicated folder “candidate newsletter items”³⁶ on the Eionet Forum.
- Re-use the material prepared for the news/events to support the EEA in the dissemination on social media (Facebook, Twitter)³⁷ to enhance the awareness of Climate-ADAPT at the broader public and the engagement of the community.
- Support the EEA in further updating the countries pages based on voluntary submissions of MMR reporting on adaptation in Europe via the ‘Reportnet’ tool. The ETC/CCA should support the EEA in the regular check and update of the hyperlinks in the 33 country profiles.
- Support the EEA in creating new country profiles for the six West Balkan states based on voluntary submissions using the template of the MMR reporting obligations for EU member states.
- Support the EEA in a structured update of the Web content of Climate-ADAPT and in the inclusion of links to Web pages, either external to the Platform and internal (sub-pages). That covers the systematic screening of the information available from information providers’ Websites/DBs, the selection of the information eligible to be presented according to the agreed criteria (see Climate-ADAPT *Standard Operational Procedures*) and the development of

³⁵ <http://forum.eionet.europa.eu/etc-cca-consortium/library/etc-cca-2014-2018/etc-cca-2016/project-1.4.3-information-systems-climate-adapt/1.4.3.1-climate-adapt/subtask-b-deliverable-1.4.3.1d2-further-development-climate-adapt-case-studies/climate-adapt-adaptation-options>

³⁶ <http://forum.eionet.europa.eu/etc-cca-consortium/library/etc-cca-2014-2018/etc-cca-2015/project-1.4.3-information-systems-climate-adapt/task-1.4.3.1-climate-adapt/european-climate-adaptation-newsletter/candidate-newsletter-items>

³⁷ This must be discussed and agreed first within EEA in the context of the existing EEA Facebook/Twitter accounts, and then with DG CLIMA.

proposals for content publication. Specific support shall be provided to the EEA in the update of the following pages.

- **Adaptation information**
 - Pages: “Observations and scenarios”³⁸, “Vulnerabilities and risks”³⁹ and “Uncertainty guidance”⁴⁰ – update the content based on the work on the “European climate change indicators report” (Task 1.4.1.1);
 - “Costs and benefits of adaptation” page – update the content mainly based on the results of the ECONADAPT project;
- **EU policy pages**⁴¹ – update the pages based on the recent developments in the sector policies including proposing DB items highlighted in the relevant ‘portlets’ of the pages (case studies, adaptation options); specifically:
 - support the inclusion of results of the DG CLIMA funded project “Communities of practice”⁴² (e. g. sector factsheets and other text/DB updates)
 - improving the coverage of multimedia products (e.g. videos);
 - update (in Q4) the content of the DRR page⁴³ based on the progress of the work on the EEA 2017 CCA/DRR report (Task 1.4.2.3);
- **Tools pages** – check and update the Adaptation Support Tool (AST) – in Task 1.4.2.1 (see the subheading: “Assessing adaptation options” in the “Description of tasks”) a guidance on “assessing cross-cutting issues, trade-offs and synergies of adaptation options” as well as on “prioritization of adaptation options” will be developed based on literature review, for the update of the step 4⁴⁴ of the AST.
- **Transnational regions pages**⁴⁵ – review and further develop submissions from the Baltic Sea Region and possibly other regions (Carpathian Convention, Pyrenees, Alpine region, West Balkan states); propose improvements to existing pages (e.g. Mediterranean based on UNEP-MAP process);

³⁸ <http://climate-adapt.eea.europa.eu/observations-and-scenarios>

³⁹ <http://climate-adapt.eea.europa.eu/vulnerabilities-and-risks>

⁴⁰ <http://climate-adapt.eea.europa.eu/uncertainty-guidance-ai>

⁴¹ <http://climate-adapt.eea.europa.eu/eu-adaptation-policy/mainstreamingb>

⁴² The Service Contract “Climate-ADAPT: dissemination and capacity building supporting adaptation in the framework of the EU adaptation strategy” will support the climate change adaptation planning process by integration of adaptation into ‘communities of practice’ for selected EU policy sectors or vulnerable regions. The contract will also foster the utilisation of Climate-ADAPT through promoting its use, contributing to improvement of content and provision of promotional and learning material (http://ec.europa.eu/clima/tenders/2015/210619_en.htm).

⁴³ <http://climate-adapt.eea.europa.eu/web/guest/disaster-risk-reduction>

⁴⁴ <http://climate-adapt.eea.europa.eu/knowledge/tools/adaptation-support-tool/step-4>

⁴⁵ <http://climate-adapt.eea.europa.eu/transnational-regions>

- **Cities pages**⁴⁶ – update the content and ensure connectivity to Mayors Adapt/new Covenant of Mayors initiative;
- **Research projects pages**⁴⁷ – continuously update the presentation of main relevant FP7/Horizon 2020 and LIFE projects results, including expected outputs, and also develop proposals for the submission of relevant outputs to the DB with a particular focus on the most relevant LIFE project results, based on consultation with EASME and the respective projects coordinators (EEA to establish a systematic scan process with EASME);
- **New page for the link with C3S** – develop an introductory text and drafts for the presentation of the C3S pre-operational projects, including expected time schedule for planned outputs, as well as developing proposals for review or submission of related DB items⁴⁸.

The **main priorities for the Web content further development in 2017** are: the timely update of the EU policy sector pages based on the “communities of practice” project’s outputs and ETC/CCA proposals for the most relevant adaptation options and case studies; the update of the country pages and the inclusion of the West Balkan country pages; the inclusion of new information to the transnational regions pages; the new page for the link to the C3S and the updated page on “cost-and benefit of adaptation”.

d) Evaluation of Climate-ADAPT

- The EEA will further develop the internal evaluation of Climate-ADAPT sections towards a self-assessment of the Platform. This will, among others, be based on the recommendations in the 2014 ETC/CCA “Working Paper on analysis of Climate-ADAPT use and possible improvements”. The ETC should support the EEA in carrying out further analysis steps as already described in the sections b) and c) and (possibly) implementing any changes to be identified.
- The ETC/CCA will support EEA in preparing, carrying out and analysing the results of a web-based survey for Climate-ADAPT users and information providers, as described in a 2016 *Scoping Paper*.
- The ETC/CCA will support EEA in developing an EEA Report on “Climate-ADAPT Evaluation” promoting the platform content and functionalities and describing the achievements of the platform compared to its mandate, based on the results of the above mentioned analysis and the survey. The detailed structure and content of the report as well as the time schedule for its development is described in a 2016 EEA *Working Paper*.

⁴⁶ <http://climate-adapt.eea.europa.eu/cities>

⁴⁷ <http://climate-adapt.eea.europa.eu/research-projects>

⁴⁸ This is a very small task since there will be only a descriptive page using the template of the research projects page, and Thomas Dworak (FT) volunteered using an existing text proposal on C3S for the national level.

e) Enhancement of the involvement of users and contributors

- As a follow-up activities of the 2015 Technical Report Paper “Overview of climate change adaptation platforms in Europe”⁴⁹ support the EEA through a Climate-ADAPT session at the annual Eionet Workshop on CCIVA, and by collecting on the Eionet Forum relevant methodology documents (e. g. the relevant Climate-ADAPT DB content analysis papers).
- Support the EEA in the preparation of a Climate-ADAPT session at the ECCA 2017 conference (Glasgow, 6-8 June 2017) presenting the information of the EEA 2017 report on “Climate-ADAPT evaluation”.
- Support the EEA in continuously interacting with users and contributors on the further development of Climate-ADAPT. The EEA will continue the regular exchange with Member States and the research community on all relevant aspects of the Platform development through one Webinar in Q4 2017 (focus T.B.D., e.g. (i) the link with C3S) complemented by the Eionet workshop (Task 1.4.2.5). The ETC/CCA will participate in and provide support during the Webinar as well as contribute to preparing the Webinar background and follow-up summary papers.
- Revise the existing printed and digital dissemination products according to the updates of the relevant Climate-ADAPT pages (e. g. the Country flyer, the Climate-ADAPT storylines) and to the up-to-date EEA style guidelines⁵⁰. Such items should be in formats that are easily used by the ETC/CCA experts (e.g. a suite of slides that could be added to own presentations, selectively as needed). These dissemination products as well as a new Climate-ADAPT poster to be developed in 2017, will support the promotion of the 2017 EEA Report on “Climate-ADAPT Evaluation” and of the main features of Climate ADAPT.
- Illustrative Climate-ADAPT use cases developed for the “Climate-ADAPT Evaluation” report should be summarized into so called “use stories” to be published on the platform itself (e.g. on the “About CLIMATE-ADAPT” page⁵¹).

f) IT related support

- Support EEA in making full use of the new Climate-ADAPT functionalities provided by Plone (e. g. via testing the improved Climate-ADAPT layout and retrospective review of the database according to possible new item categories, like videos) .
- Further support EEA in improving the consistency of the database regarding the geographical characterisation of the DB items in relation to the transnational regions pages.

Links

- Linkages with other Tasks of the ETC/CCA AP2017:
 - 1.4.1.1 (European climate change indicators report)
 - 1.4.2.1 (Monitoring and evaluation of adaptation)
 - 1.4.2.2 (Urban adaptation)

⁴⁹ <http://www.eea.europa.eu/publications/overview-of-climate-change-adaptation>.

⁵⁰ “EEA official logos and corporate identity manual”: <http://www.eea.europa.eu/about-us/who/eea-logos/eea-logos>.

⁵¹ <http://climate-adapt.eea.europa.eu/about>.

- 1.4.2.3 (Disaster risk reduction)
- 1.4.2.4 (Climate change impacts and adaptation in agriculture)
- 1.4.2.5 (Adaptation in transnational regions)
- 1.4.2.6 (Workshops)
- Potential linkages with other ETCs: ETC/ICM; ETC/ULS; ETC/BD.

ETC/CCA team for Climate-ADAPT per *subtasks* and *themes*

ETC/CCA experts per <i>Subtasks</i>	
SUBTASK	EXPERTS
a) Maintenance and further development of Climate-ADAPT DB Content	<ul style="list-style-type: none"> • Coordination of work: Ana Gomes (leader), Valentina Giannini, Silvia Medri • All the <i>Thematic Experts</i>⁵² and <i>Content Reviewers</i> (Valentina Giannini and Ana Gomes)
b) Further development of Climate-ADAPT case studies & adaptation options	<ul style="list-style-type: none"> • Coordination of work: Emiliano Ramieri • Contributors: all the <i>Thematic Experts</i>⁵³
c) Further development of Climate-ADAPT Web content	<ul style="list-style-type: none"> • Coordination of work (incl. analysis and formulation of proposals): Valentina Giannini (leader), Ana Gomes, Silvia Medri • Contributions: <ul style="list-style-type: none"> – Adaptation information – Valentina Giannini – EU policy pages – All thematic experts lead by Valentina Giannini – Country pages – Clare Downing (when/if needed supported by Fokke deJong) – Transnational regions pages – Clare Downing supported by Wolfgang Lexer for the Alpine region – Cities pages – Linda Romanovska – Research projects pages – Andreia Sousa, supported by Tiago Capela Lourenço – New page for the link with C3S – Andreia Sousa – Revision of page on costs and benefits of adaptation (Thomas Dworak) – News/events & newsletter, plus social media support – Fokke de Jong – Possible support also by other experts.
d) Climate-ADAPT evaluation report	<ul style="list-style-type: none"> • Coordination of the evaluation work: Valentina Giannini • Contributions: <ul style="list-style-type: none"> – Preparation of the user/information provider survey: Valentina Giannini/Clare Downing – Preparation and writing of the EEA Report on “Climate-ADAPT Evaluation” – coordination: Valentina Giannini; contributors: Clare Downing, Ana Gomes, Eleni, Karali, Silvia Medri, Emiliano Ramieri, Fokke de Jong, Andreia Sousa; – Possible support also by other experts.

⁵² See table ‘ETC/CCA experts per Themes’.

⁵³ See table ‘ETC/CCA experts per Themes’.

e) Enhancement of the involvement of users and contributors	<ul style="list-style-type: none"> • Coordination of work: Clare Downing (leader), Valentina Giannini (deputy leader) • Contributors: Eleni Karali, Ana Gomes, Tiago Capela Lourenço, Fokke de Jong, Hans Sanderson; possible support also by other experts.
f) IT support	Ana Gomes, Valentina Giannini, Emiliano Ramieri Possible support also by other experts.

ETC/CCA experts per Themes	
THEMES	EXPERTS
Content Reviewer Coordinators	Valentina Giannini, Ana Gomes
General adaptation⁵⁴	Valentina Giannini
Cities	Linda Romanovska
Health	Markus Leitner
Biodiversity	Andreia Sousa
Agriculture; Forestry	Serena Marras
Coastal areas; Marine and fisheries	Emiliano Ramieri
Disaster risk reduction	Expert T.B.D.
Financial	Thomas Dworak
Water management; Infrastructure - Energy	Ingrid Coninx
Infrastructure – Buildings; Tourism	Valentina Giannini
Infrastructure – Transport	Ángel Aparicio
Mountains regions	Wolfgang Lexer

⁵⁴ Items covering adaptation as a whole, with all the different steps of the adaptation cycle - see the AST.

Deliverable(s)

No	Description	ETC (Sub)task manager	Team	EEA responsible	Date
1.4.3.1D1	1) Maintenance of Climate-ADAPT DB content 1a) Climate-ADAPT DB content quality assurance 1b) Update of the Climate-ADAPT <i>Standard Operational Procedures</i> 2) Further development of Climate-ADAPT DB: DB statistical analysis and DB coverage gaps analysis 3) Internal knowledge management 4) IT related support	1) Silvia Medri, Ana Gomes, Valentina Giannini 2) Ana Gomes 3) & 4) Ana Gomes, Valentina Giannini	Ana Gomes, Silvia Medri, Valentina Giannini, Andreia Sousa, all the thematic experts ⁵⁵	Kati Mattern, André Jol	1a) On-going activity 1b) On-going activity 2) Q4 3) & 4) On-going activity
1.4.3.1D2	Enhancement of Climate-ADAPT case studies and adaptation options	Emiliano Ramieri	Emiliano Ramieri and all thematic experts	NN., Kati Mattern	On-going activity
1.4.3.1D3	Further development of Climate-ADAPT Web content	Silvia Medri, Valentina Giannini	Silvia Medri, Ana Gomes, Andreia Sousa, Fokke de Jong, and all thematic experts	Kati Mattern, André Jol	On-going activity
1.4.3.1D4	Enhancement of the involvement of users and contributors & support and participation to related meetings ⁵⁶	Clare Downing (leader), Valentina Giannini (deputy leader)	Clare Downing, Valentina Giannini, Ana Gomes, Eleni Karali, Tiago Capela	Kati Mattern, André Jol	On-going activity

⁵⁵ See table 'ETC/CCA experts per Themes'.

⁵⁶ Includes the meetings listed in the Table 'List of planned meetings' and Task or sub-Task relevant (virtual) meeting.

			Lourenço, Fokke de Jong, Hans Sanderson, Silvia Medri (possible support by other experts)		
<u>1.4.3.1KD5</u>	2017 EEA report on “Climate- ADAPT evaluation”: 1) 1 st draft 2) 2 nd draft 3) final draft for Eionet consultation (<i>Key deliverable</i>) 4) revised final draft (<i>Key deliverable</i>)	Valentina Giannini, Silvia Medri	Valentina Giannini, Silvia Medri, Ana Gomes, Eleni Karali, Clare Downing, Emiliano Ramieri, Andreia Sousa, Tiago Capela Lourenço	Kati Mattern, André Jol	1) 15/03/2017 2) 31/05/2017 3) 25/06/2017 4) 01/07/2017
<u>1.4.3.1KD6</u>	ETC/CCA <i>Working Paper</i> reporting all activities undertaken 1) 1 st draft 2) final draft (<i>key deliverable</i>)	Silvia Medri	Silvia Medri, Ana Gomes, Valentina Giannini	Kati Mattern, André Jol	1) 30/06/2017 2) 15/12/2017

List of planned meetings

Date	Venue	Title	ETC/CCA participant(s)
Date T.B.D in the period: 20/01-20/02/2017	Web conference	1 st writing team meeting for the 2017 EEA report on "Climate-ADAPT evaluation"	Valentina Giannini, Silvia Medri, Ana Gomes, Eleni Karali, Clare Downing, Emiliano Ramieri, Tiago Capela Lourenço, Fokke de Jong
03/05/2017	Copenhagen (Denmark)	2 nd writing team meeting for the 2017 EEA report on "Climate-ADAPT evaluation"	Valentina Giannini, Silvia Medri, Ana Gomes, Eleni Karali, Clare Downing
06-08/06/2017	Glasgow (UK)	3 rd European Climate Change Adaptation Conference (ECCA 2017)	Clare Downing, Emiliano Ramieri
XX/06/2017 ⁵⁷	Copenhagen (Denmark)	11 th Eionet Workshop on CCIVA	Silvia Medri ⁵⁸ , Eleni Karali, Valentina Giannini
Q4 2017	Lisbon (Portugal)	Thematic expert meeting	All thematic experts, Silvia Medri, Clare Downing, Fokke de Jong

⁵⁷ Date T.B.D. by EEA in 2017.

⁵⁸ Travel and subsistence budget are allocated under Task 1.4.2.6 (Workshop).

Resources**Staff (days)**

Partner	Experts Name	No of days
CMCC	Eleni Karali	27,0
	Expert T.B.D. ⁵⁹	22,0
	Silvia Medri	40,0
	Valentina Giannini	110,0
	Serena Marras	35,0
DCE-AU	Hans Sanderson	1,0
EAA	Wolfgang Lexer	9,0
	Markus Leitner	18,0
FFCUL	Ana Gomes	67,0
	Andreia Sousa ⁶⁰	113,0
	Tiago Capela Lourenço	10,0
FT	Linda Romanovska	22,0
	Thomas Dworak	20,0
THETIS	Emiliano Ramieri	45,0
UKCIP	Clare Downing	60,0
UPM	Ángel Aparicio	15,0
WER	Ingrid Coninx	30,0
	Fokke de Jong	35,0
TOTAL		679

Other specific costs (€)

N.A.

⁵⁹ Corresponding budget calculated with a mean ETC/CCA rate. Expert to be identified as early as possible.

⁶⁰ Fellowship contract.

EEA project 1.4.4 ETC management

1.4.4.1 ETC/CCA management and coordination

Main managers

ETC task manager: Silvia Medri

ETC task deputy managers: Eleni Karali, Lorella Reda

EEA project manager: André Jol

Expected main outputs

- Coordinate and manage efficiently the ETC/CCA Consortium
- Validate the deliveries and contributions of the ETC/CCA, according to the 2017 Action Plan (AP2017)
- Maintain links to the Eionet (consultations of draft papers and reports)
- Review the ETC/CCA capacities and expertise in connection with the EEA Management Plan
- Secure resources and capacities to support the activities in 2017 and beyond
- Prepare progress reports periodically and implement changes in the ETC/CCA work if needed.

Detailed description of tasks

The ETC/CCA Consortium **Coordinating Team** based at CMCC – composed of the *Manager* and *Scientific Coordinator* Silvia Medri, the *Deputy Manager* for all technical/scientific issues Eleni Karali and the *Deputy Manager* for all administrative/financial issues Lorella Reda – will regularly coordinate administrative/financial and technical/scientific work for the efficient running of the ETC/CCA.

Furthermore the *Coordinating Team* will be responsible for the following activities.

- (In relation to deliverables 1.4.4.1KD4-7) Coordination of the preparation of the three **Quarterly Progress Reports (QPRs)** and the final report describing the progress of activities and budget use by the ETC/CCA (with the contribution of all *Partner Responsibilities*); coordination of the preparation of the Consortium's biannual financial reporting **Financial Cost Statement (FCS)** (with the contribution of all *Partner Responsibilities*).
- (In relation to deliverable 1.4.4.1D2) Organisation and preparation of and participation in the annual ETC/CCA **Kick-Off Meeting** (during the first quarter of the year), involving *Task Managers* as well as the responsible EEA staff (*Partner Responsibilities* can be requested to follow the meeting virtually). This meeting aims at launching the AP2017 activities, supporting the continuity of work from one year to the subsequent one, assessing the main expected outcomes in the year for the various Tasks and supporting the work planning.
- (In relation to deliverable 1.4.4.1D3) Organisation, preparation of and participation in two ETC/CCA **Management Committee Meetings** in the second and third quarter of the year respectively. Participation is usually by videoconference in the first meeting and by physical presence at the EEA premises in the second meeting. Additional similar meetings with *Partner Responsibilities*, *Task Managers* and (possibly) *Project Deputy Managers* as well as the EEA staff might be organized by electronic means depending on the needs emerging in the course of the

year. These meetings aim at assessing the work progress and the budget use in the various Tasks, planning future steps and addressing any problems that might emerge.

- (In relation to deliverable 1.4.4.1KD8) Coordination of the preparation of the ETC/CCA draft Action Plan for the year 2018 (AP2018).

In order to reduce travel costs and CO₂ emissions and to effectively use experts' time, these meetings will be organized as much as possible back-to-back with other planned EEA meetings (such as the NFP/Eionet meetings or the Eionet workshops) or by using information and communication technologies (ICTs) (e.g. through phone- or video-conferencing).

Links

- Linkages with other Tasks of the ETC/CCA AP2017: all Tasks
- Potential linkages with other ETCs: all ETCs (on ETCs management issues).

Deliverable(s)

No	Description	ETC (Sub)task manager	Team	EEA responsible	Date
1.4.4.1D1	Coordination and management of the ETC/CCA	Silvia Medri	Silvia Medri, Lorella Reda, Eleni Karali, Jos Timmerman, Hans Sanderson, Andrea Prutsch, Ana Gomes, Thomas Dworak, Paul van der Linden, Mikael Hildén, Emiliano Ramieri, Andreas Marx, Patrick Pringle, Ángel Aparicio	André Jol	On-going activity
1.4.4.1D2	Organization of and participation in the ETC/CCA 2017 Kick-Off meeting	Silvia Medri	Silvia Medri, Eleni Karali, and all <i>Task Managers</i>	André Jol	18-19/01/2017
1.4.4.1D3	Organization of and participation in the: 1) 1 st Management	Silvia Medri	Silvia Medri, Lorella Reda, Eleni Karali, Jos Timmerman, Hans Sanderson, Andrea Prutsch, Ana Gomes, Thomas Dworak, Paul	André Jol	1) XX/04/2017

	Committee meeting (virtual) 2) 2 nd Management Committee meeting (physical)		van der Linden, Mikael Hildén, Emiliano Ramieri, Andreas Marx, Patrick Pringle, Ángel Aparicio		2) Date T.B.D in the period: XX/09-10/2017
<u>1.4.4.1KD4</u>	First Quarterly Progress Report (QPR1/2017)	Silvia Medri	Silvia Medri, Lorella Reda, Eleni Karali, Jos Timmerman, Hans Sanderson, Andrea Prutsch, Ana Gomes, Thomas Dworak, Paul van der Linden, Mikael Hildén, Emiliano Ramieri, Andreas Marx, Patrick Pringle, Ángel Aparicio	André Jol	30/04/2017
<u>1.4.4.1KD5</u>	Second Quarterly Progress Report (QPR2/2017)	Silvia Medri	Silvia Medri, Lorella Reda, Eleni Karali, Jos Timmerman, Hans Sanderson, Andrea Prutsch, Ana Gomes, Thomas Dworak, Paul van der Linden, Mikael Hildén, Emiliano Ramieri, Andreas Marx, Patrick Pringle, Ángel Aparicio	André Jol	30/07/2017
<u>1.4.4.1KD6</u>	Third Quarterly Progress Report (QPR3/2017)	Silvia Medri	Silvia Medri, Lorella Reda, Eleni Karali, Jos Timmerman, Hans Sanderson, Andrea Prutsch, Ana Gomes, Thomas Dworak, Paul van der Linden, Mikael Hildén, Emiliano Ramieri, Andreas Marx, Patrick Pringle, Ángel Aparicio	André Jol	30/10/2017
<u>1.4.4.1KD7</u>	Fourth	Silvia	Silvia Medri, Lorella	André Jol	01/03/2018

	Quarterly Progress Report (QPR4/2017)	Medri	Reda, Eleni Karali, Jos Timmerman, Hans Sanderson, Andrea Prutsch, Ana Gomes, Thomas Dworak, Paul van der Linden, Mikael Hildén, Emiliano Ramieri, Andreas Marx, Patrick Pringle, Ángel Aparicio		
<u>1.4.4.1KD8</u>	Draft Action Plan 2018	Silvia Medri	Silvia Medri, Lorella Reda, Eleni Karali, Jos Timmerman, Hans Sanderson, Andrea Prutsch, Ana Gomes, Thomas Dworak, Paul van der Linden, Mikael Hildén, Emiliano Ramieri, Andreas Marx, Patrick Pringle, Ángel Aparicio	André Jol	23/11/2017

List of planned meetings

Date	Venue	Title	ETC/CCA participant(s)
18-19/01/2017	Copenhagen (Denmark)	ETC/CCA 2017 Kick-Off meeting (2 half days)	Silvia Medri, Eleni Karali and all <i>Task Managers</i> ⁶¹
Date T.B.D in the period: XX/09-10/2017	Copenhagen (Denmark)	2 nd Management Committee meeting (2 half days)	Silvia Medri, Lorella Reda, Eleni Karali, all <i>Task Managers</i> ⁶² and <i>Partner Responsibles</i>
Date T.B.D	Copenhagen (Denmark)	Participation in interview for ETC Topics Review (2 half days)	Silvia Medri

⁶¹ Travel & Subsistence budget for Task Managers allocated under respective Tasks.

⁶² Travel & Subsistence budget for Task Managers allocated under respective Tasks.

Resources⁶³**Staff (days)**

Partner	Name	No of days
CMCC	Eleni Karali	30,0
	Lorella Reda	189,0
	Silvia Medri	146,0
DCE-AU	Hans Sanderson	1,0
EAA	Andrea Prutsch	4,0
FFCUL	Ana Gomes	4,0
FT	Thomas Dworak	4,0
MO	Paul van der Linden	4,0
SYKE	Mikael Hildén	4,0
THETIS	Emiliano Ramieri	1,0
UFZ	Andreas Marx	4,0
UKCIP	Patrick Pringle	4,0
UPM	Ángel Aparicio	1,0
WER	Jos Timmerman	4,0
Total		400,0

Other specific costs (€)

200,00 Euro
