

# Carpathian Convention Working Group on Adaptation to Climate Change 4<sup>th</sup> Meeting, 1 October 2015

## Climate-ADAPT - Options for the presentation of the Carpathian Convention

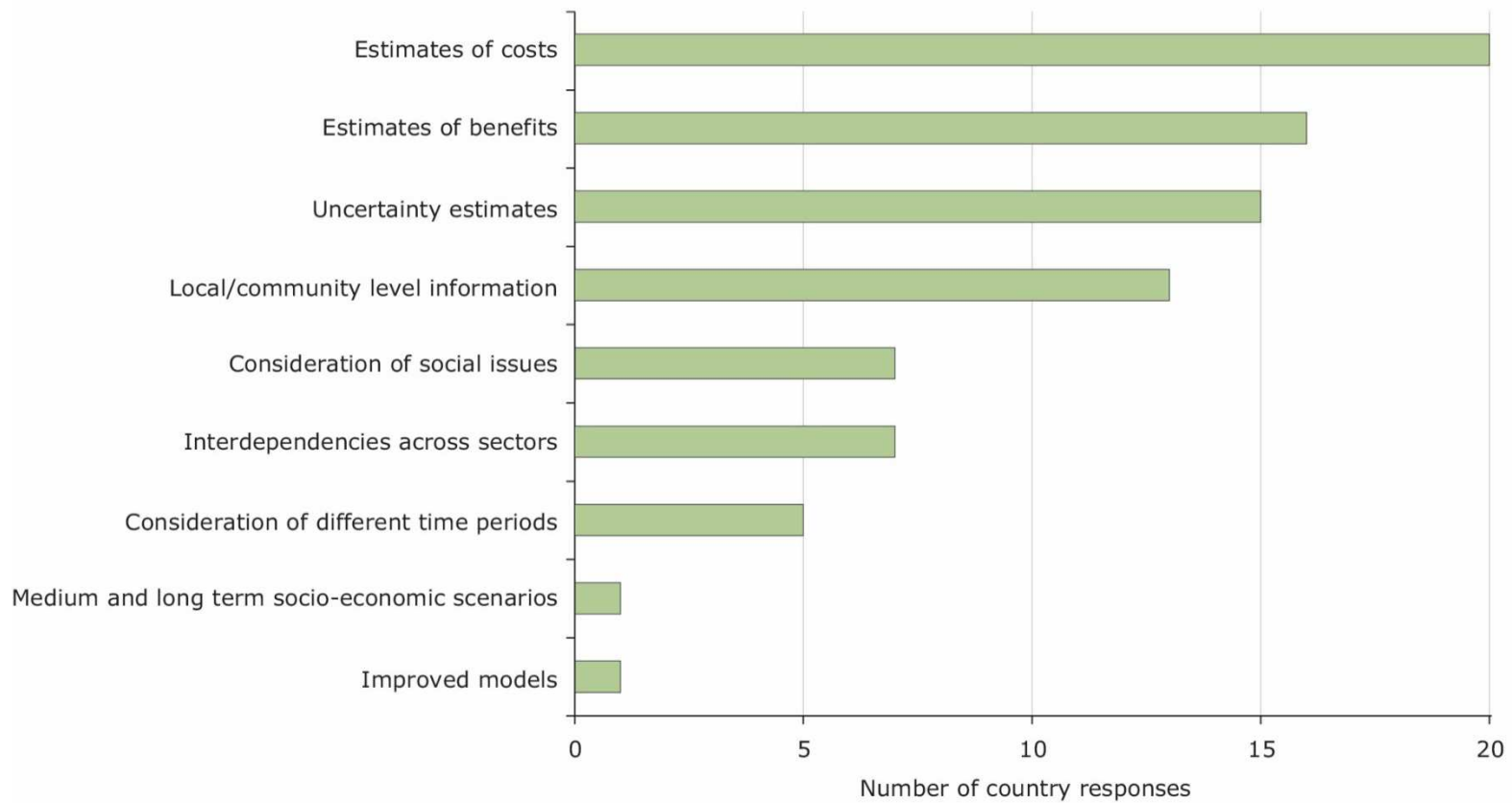
Kati Mattern (EEA)



Photo: EEA

# Information and knowledge gaps for risk and vulnerability assessments

**Figure 2.7 Information that is still needed for risk or vulnerability assessments (Question 20; 26 responding countries)**



# Climate-ADAPT framework

## Mandate:

Launched 2012, supports developing and implementing adaptation strategies, policies and actions

## Intended Users:

Experts and decision makers on EU, transnational, national, sub-national levels, research institutes

## Maintenance:

Funded and carried out by EEA with DG CLIMA, supported by ETC/CCA

## Use numbers:

(Google Analytics; 2013/2014):

Total number of visits: 5800/month (average)

Unique visitors: 3600/month (average)

The screenshot shows the homepage of the Climate-ADAPT European Climate Adaptation Platform. The header includes the EEA logo, the platform name, and navigation links like 'Sign In', 'Glossary', 'Contact', 'Sitemap', 'Legal notice', and 'About | Help'. A search bar is located in the top right. Below the header is a main navigation menu with links for 'home', 'Adaptation information', 'EU sector policies', 'Countries, regions and cities', 'Tools', 'Links', 'Search the database', and 'Newsletter'. The main content area features a featured article titled 'The refurbishment of Gomeznarro Park in Madrid focused on storm water retention' with a 'Read more' link. To the right is a search box for the 'CLIMATE ADAPTATION DATABASE' with fields for 'Search Term(s)', 'Keyword Search', 'Sectors' (Agriculture and Forest, Biodiversity, Coastal areas), and 'Country' (Albania, Austria, Belgium). Below the search box are buttons for 'SEARCH' and 'Advanced Search'. The page also includes several interactive widgets: 'New to adaptation? Use the Adaptation Support Tool', 'What are European countries doing?' with a country selection dropdown, 'Find case studies on adaptation in Europe' with a map, and 'Share your information' with a social media icon. At the bottom, there are four columns: 'News' with a list of recent articles, 'Events' with a list of upcoming conferences, 'EU sector policies' with links for 'Agriculture & Forestry' and 'Water management', and 'EU information systems' with logos for 'Mayors Adapt', 'WISE', and 'Biodiversity'. The footer contains the EEA logo and the text 'European Environment Agency'.

# Use information - Key features of Climate-ADAPT

The screenshot shows the Climate-ADAPT website interface. At the top, there is a navigation bar with links for Home, Adaptation information, EU Adaptation Policy, Countries, regions, cities, Tools, Links, Search the database, and Newsletter. A search bar is also present. The main content area features a featured article titled "Infrastructure and economic incentives to reduce vulnerability to drought in Segura and Tagus basins" with a "Read more" link. To the right is a search section titled "SEARCH THE CLIMATE ADAPTATION DATABASE" with a search term input, a keyword search field, and dropdown menus for Sectors (Agriculture and Forest, Biodiversity, Coastal areas) and Country (Albania, Austria, Belgium). Below the main content are several interactive tiles: "Adaptation support tool" (AST) with a circular diagram, "What are European countries doing?" with a country selection dropdown, "Find case studies on adaptation in Europe" with a map, and "Share your information" with a network diagram. At the bottom, there are buttons for News, Events, EU sector policies, and EU information systems. Red callout boxes with arrows point to these features: "EU policy and funding" points to the "EU Adaptation Policy" link; "AST" points to the "Adaptation support tool" tile; "Database search" points to the search section; "Search for case studies" points to the "Find case studies on adaptation in Europe" tile; and "Country profiles" points to the "What are European countries doing?" tile.

## Transparency: Climate-ADAPT Work plan (2013-2018)

year	Content priorities	Functionality/tools priorities
2014	<ul style="list-style-type: none"> <li>• EU policy /funding</li> <li>• AST update</li> <li>• Dissemination</li> </ul>	<ul style="list-style-type: none"> <li>• Develop cities submission forms and map-based search tool</li> <li>• Improve spatial climate data</li> </ul>
2015	<ul style="list-style-type: none"> <li>• City information</li> <li>• Reporting under MMR</li> </ul>	<ul style="list-style-type: none"> <li>• Overview on country information</li> <li>• User interactivity</li> </ul>
2016	<ul style="list-style-type: none"> <li>• Content links with Copernicus Climate Services</li> </ul>	<ul style="list-style-type: none"> <li>• Migration of Content Management System</li> </ul>
2017	<ul style="list-style-type: none"> <li>• Content evaluation and revision related to EU Adaptation Strategy</li> </ul>	<ul style="list-style-type: none"> <li>• Functionality links with Copernicus</li> <li>• Functionality evaluation and revision related to EU Adaptation Strategy</li> </ul>
2018	<ul style="list-style-type: none"> <li>• Develop/Implement new content required from revised EU Adaptation Strategy</li> </ul>	<ul style="list-style-type: none"> <li>• Develop/Implement new functionalities required from revised EU Adaptation Strategy</li> </ul>

# Country profiles: Modified country information

## Climate-ADAPT country profiles:

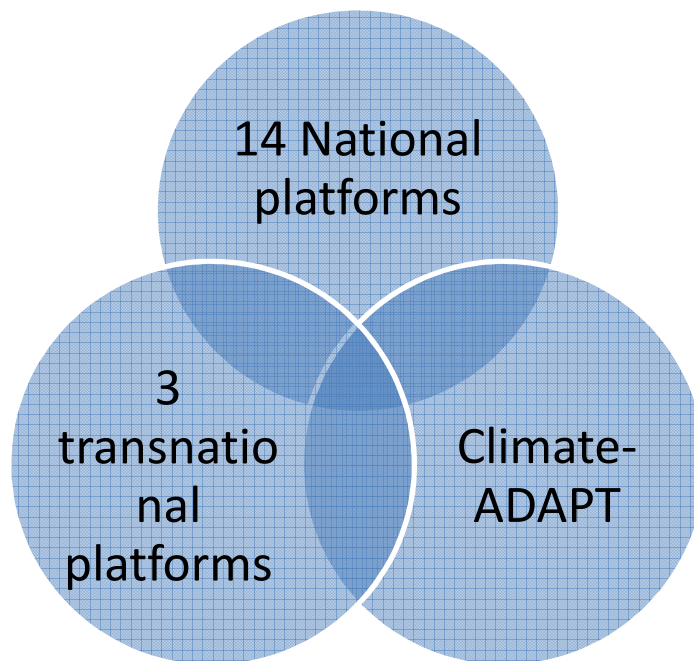
- Official information based on governmental reporting (Art. 15 EU MMR)
- Unique summary of adaptation policy of EEA Member countries
- links to key national documents and official web-pages
- Expected update: end of June 2015



The screenshot displays the Climate-ADAPT website interface. At the top, there is a navigation bar with the logo and the text "Climate-ADAPT European Climate Adaptation Platform". Below this is a search bar and a menu with options like "Home", "Adaptation information", "EU Adaptation Policy", "Countries, regions, cities", "Tools", "Links", "Search the database", and "Newsletter". A secondary menu shows "General", "Countries", "Transnational regions", and "Cities and towns". The main content area is titled "Belgium" and features a map of Europe with Belgium highlighted. Below the map is a dropdown menu labeled "Choose a country". To the right of the map are tabs for "Legal framework", "Assessments", "Priority sectors", "Local actions", "Summary", and "Contact". The "Summary" tab is selected, showing text about the National Climate Commission (NCC) and the National Climate Plan 2009-2012. It also mentions the National Adaptation Strategy (NAS) adopted in December 2010 and the Flemish Climate Policy Plan 2013-2020. The text describes the structure of the NCC and the role of the three regions and the federal government in developing adaptation plans. It also mentions the International Scheldt Commission (ISC) and the International Meuse Commission (IMC) and the KLIPOS research platform.

# Overview on adaptation platforms in Europe (EEA Technical Report, to be published 12 May 2015)

→ Varying mandates, target audiences, operational models, content, and functionalities  
→ define complementarity



ADAPTATION PLATFORMS	2007	2008	2009	2010	2011	2012	2013	2014
<b>NATIONAL</b>								
Austria								Since 2009, substantially updated and revised in 2013.
Denmark								CCA Strategy 2008 and launched in 2009 continuously developed.
Finland								Planning started in 2009 and it became operational in 2011.
France								ONERC evolved into an adaptation portal launched in 2006, and was revised in 2009 to support the NAPCC. Wiklimat launched in 2013.
Germany								Launched in 2008 as a follow-up of the NAS. 2011 NAP required strengthening of the portal which was re-launched after improvements in 2013.
Hungary								KIJMADA launched in 2013.
Ireland								A phased approach to develop the platform – planning in 2010, working on an operational platform for launch in 2015.
Spain								Idea of developing a platform originated in 2010 and launched in 2013.
Norway								Ministry of Climate & Environment established an adaptation working group in 2007, and launched a portal, Klimatilpassing.no in March 2009.
The Netherlands								First plans in December 2013, became operational in August 2014. Created by the programme Knowledge for Climate.
Poland								Developed as part of the KIJMADA project (2011–2013) and launched in October 2013.
Switzerland								Federal Council mandate summer 2009, start of platform planning end 2010 with March 2012 launch.
Sweden								Initial portal launched in 2007, with the Swedish National Knowledge Centre for Climate Change Adaptation being set up in 2012 providing an opportunity to relaunch.
United Kingdom								Launched UKCIP platform in 2000 with continuous improvements, and major updates in 2003, 2008, 2010, 2013 and still active. National responsibility transferred to Environment Agency 2012, with GOV.UK launched in April 2013.
<b>TRANS-NATIONAL</b>								
Alpine Region								Platform conceptual work in 2012 and launched in 2014. There is an additional pre-existing portal on the Alpine Convention website supporting its Action Plan for Climate Change.
Baltic Sea Region								Baltic Window as part of Climate-ADAPT – implementation period 2011–2013, launched in 2013.
Pyrenees								Pyrenees Observatory for Climate Change project 2010–2014.
<b>EUROPEAN</b>								
Climate-ADAPT								Identified as an integral component of White Paper. Launched 2012.
Legend:								Platform in development Platform live

# Tools: Adaptation Support tool

## Stepwise policy and planning tool

- Available in a general and in a version for the specific needs of cities

## For each step:

- Pull-down menus with links to other tools
- Further resources from the database highlighted
- Check list for practical implementation

The screenshot displays the 'European Climate Adaptation Platform' website. The header includes the 'CLIMATE-ADAPT' logo, navigation links (Sign In, Glossary, Contact, Sitemap, Legal notice, About, Help), and a search bar. The main navigation menu features 'Home', 'Adaptation information', 'EU Adaptation Policy', 'Countries, regions, cities', 'Tools', 'Links', 'Search the database', and 'Newsletter'. A secondary menu lists 'General', 'Adaptation support tool', 'Case study search tool', and 'Map viewer', with 'Adaptation support tool' and 'Guidelines for project managers' being active. The main content area is titled 'The Adaptation Support Tool – Getting started' and includes a circular diagram with six numbered steps. Below this, there is a list of topics under 'The Adaptation Support Tool - Getting started', with 'How to use the Adaptation Support Tool?' highlighted. The page also features sections for 'Guidance and tools' and 'City specific information', each with a list of relevant documents and reports.



# Inspiring case studies

- Successful and verified adaptation approaches
- Metadata sheet with easy access to all aspects of planning and implementation
- Including images and documents
- Searchable via filter criteria
- Accessible via different entry points including an interactive map based search tool

The screenshot shows the 'Climate-ADAPT European Climate Adaptation Platform' website. The main content area features a case study titled 'Integrating adaptation in the design of the Metro of Copenhagen (2015)'. On the left, there is an interactive map of the Copenhagen metro system. The main text describes how climate change impact assessment was integrated into the design and planning of the metro since the first line was designed in the mid-1990s. It mentions the construction of the City ring, an underground metro ring in the city centre, scheduled to open in 2018. A key challenge is the increasing mean sea water level due to climate change, which requires entrances and ventilation to be protected against storm surges. The sidebar on the right contains sections for 'Case Study Illustrations (3)', 'Case Study Documents (1)' (listing the 'Metroselskabet 2013 Annual Report'), 'Keywords' (Copenhagen, urban transport, storm surge, metro, design standard), 'Sectors' (Disaster Risk Reduction, Urban, Infrastructure), 'Climate impacts' (Flooding, Sea Level Rise, Storms), and 'Geographic characterisation'.



CLIMATE-ADAPT

# European Climate Adaptation Platform

Sign In | Glossary | Contact | Sitemap | Legal notice | About | Help

Search the website

Home | Adaptation information | EU sector policies | Countries, regions and cities | **Tools** | Links | Search the database | Newsletter

- General
- Adaptation support tool
- **Case study search tool**
- Map viewer
- Uncertainty guidance
- Guidelines for project managers

## Case Study Search tool ?

- Dessau, Sachsen-Anhalt, Deutschland
- Dessau, Sachsen-Anhalt, Deutschland
- Dessau



### Display Options

Climate Impacts:

Adaptation Sectors:

### Legend

- Your selected location
- Featured case study in similar biogeographical region
- Case study in similar biogeographical region
- Featured case study in non-similar biogeographical region
- Case study in non-similar biogeographical region
- Your biogeographical region

### Case Study Search Results

#### Case studies in similar biogeographical region

	Urban storm water management in Augustenborg, Malmö	★ FEATURED	New!
	Lower Danube Green Corridor: floodplain restoration for flood protection	★ FEATURED	New!
	Stuttgart: combating the heat island effect and poor air quality with green ventilation corridors	★ FEATURED	New!
	Integrated System for the Safeguard of Venice and its Lagoon against flooding (MOSE)	★ FEATURED	New!
	Beach nourishment as a successful measure against erosion, Rostock - DE		

Share your information

# EU Adaptation policy

- Mainstreaming of adaptation into EU sector policies
- Including links to key documents and official web-pages
- Highlighting key information from the Climate-ADAPT database



The screenshot shows the Climate-ADAPT website with the following content:

**Climate-ADAPT European Climate Adaptation Platform**

Sign In | Glossary | Contact | Sitemap | Legal notice | About | Help

Search the website:

Home | Adaptation information | **EU Adaptation Policy** | Countries, regions, cities | Tools | Links | Search the database | Newsletter

→ EU adaptation policy and funding → EU Adaptation Strategy → **EU sector policies** → EU funding of adaptation

## EU mainstreaming in sector policies

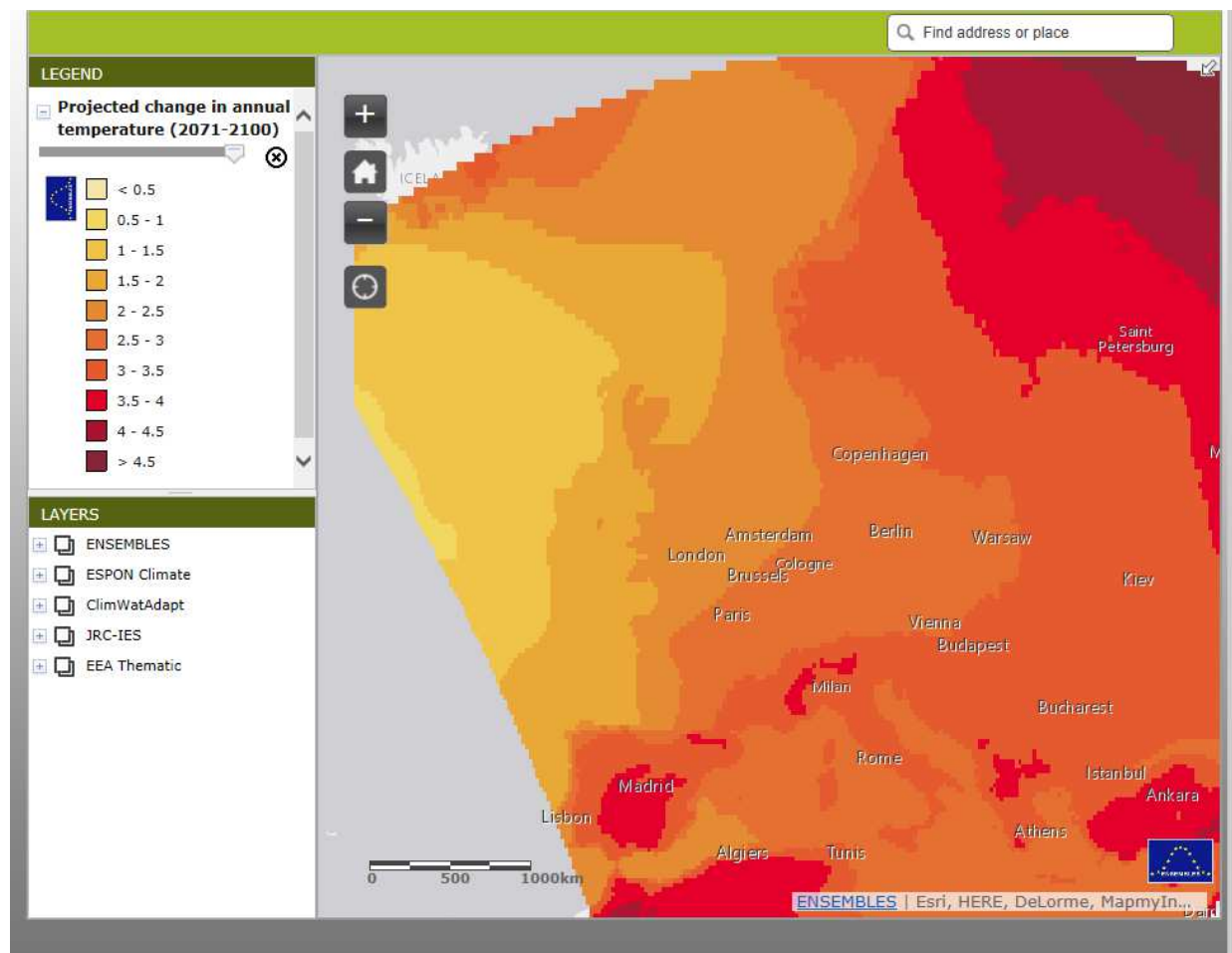
Mainstreaming of climate change adaptation into EU sectoral policies and EU funds, including marine and inland water issues, forestry, agriculture, biodiversity infrastructure as well as buildings, migration and social issues, is an essential component of a successful comprehensive adaptation policy.

Mainstreaming climate change adaptation in EU policies was one of the pillars of the European Commission's 2009 [White Paper "Adapting to climate change: Towards a European framework for action"](#), and continues to be an important goal of the 2013 [EU strategy on adaptation to climate change](#). Furthermore, the framework set in the [7th Environment Action Programme to 2020 "Living well, within the limits of our planet"](#) is also referring to mainstreaming adaptation into other EU policy fields.

 <p><b>Agriculture and Forestry</b> The European Commission's EU strategy on adaptation to climate change.</p>	 <p><b>Biodiversity</b> Climate change is expected to have a substantial impact on biodiversity, the functioning of ecosystems.</p>
 <p><b>Coastal areas</b> Sea level rise can cause flooding, coastal erosion and the loss of low-lying.</p>	 <p><b>Disaster risk reduction</b> Over the last few years, Europe has experienced severe forest fires, floods, and droughts.</p>
 <p><b>Financial</b> There are no specific EU policies to mainstream climate change adaptation.</p>	 <p><b>Health</b> Climate change will have both direct and indirect effects on human health.</p>
 <p><b>Infrastructure</b> One of the key policy instruments through which the European Union.</p>	 <p><b>Marine and fisheries</b> EU policies and instruments include the <a href="#">Integrated Maritime Policy</a> allowing for the sustainable development of sea-related activities.</p>
 <p><b>Water management</b> Water resources are directly impacted by climate change, and the management.</p>	

# Tool: Map viewer

- Visualisation of climate observation and projection data
- European data from research projects and Joint research Center (JRC)
- Easy navigation
- Easy access to the data sources
- Metadata available



# Keep informed about Climate-ADAPT



## CLIMATE- ADAPT European Climate Adaptation Newsletter

Your update on Adaptation to  
Climate change in Europe

European Environment Agency 

Issue March 30, 2015

[EU policy and EEA activities](#) | [Climate-ADAPT news](#) | [EU research news](#)  
[Transnational, national and local activities](#) | [Events](#) | [Subscribe](#)

### News

#### » EU policies and EEA activities

##### » 1. European Environment - State and Outlook 2015

The European Environment Agency has published its flagship report, the European Environment - State and Outlook 2015 (SOER 2015). It contains excellent online resources with detailed information, including downloadable graphs, tables and images. The report is compiled every five years and includes an assessment of trends and prospects, information on individual countries and regions, cross-country comparisons and the global context. Aggregated level information on climate change, impacts, vulnerability and adaptation is included.


[Read more...](#)



© Photo: EEA

##### » 2. New financial instrument to address climate challenges

The European Commission and the European Investment Bank have launched a financial instrument to drive investment in adaptation to climate change and efforts to preserve natural capital. The Natural Capital Financing Facility (NCFF) will support projects focused on biodiversity and ecosystem services, including adaptation action such as green infrastructure and adaptation-related businesses. The pilot phase of the NCFF runs to 2017 with



Newsletter - Climate-ADAPT x CLIMATE-ADAPT Newsletter x +

ail/d/1EF7EC0C50BE430B

Search

### 5. European Roadmap for Climate Services

The European Commission's DG for Research & Innovation recently held an event to launch the European Roadmap for Climate Services. The event brought together practitioners, policymakers, technical experts and users of climate services to begin the process of implementing the roadmap. The outcomes of the meeting will be available shortly, and will be covered in the next Climate ADAPT newsletter.

[Read more...](#)

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### Climate ADAPT news

#### 4. Information on funding adaptation improved

Funding is a crucial issue for adaptation policy, planning and implementation. Specific information on funding possibilities have been included in different Climate-ADAPT sections. On the EU Adaptation policy pages users can explore the possibilities of funding available at EU level via Life Climate Action, ESI funds or Horizon2020. On the Adaptation support tool (AST) sources of information on the long-term funding of adaptation can be found, while on the Urban adaptation support tool city specific funding sources are highlighted.

[More information on funding at EU levels...](#)


[More information on funding in the AST...](#)

[More information on funding for cities...](#)

### EU research news

#### 5. Adaptation research in Europe – an analysis

An analysis of climate change adaptation research in Europe has been recently launched. 'Climate Adaptation Research in a Larger Europe' considers the research conducted in individual countries, as well as looking across sectors and providing a more detailed assessment through selected case studies. The report was prepared as part of the CIRCLE2 programme (Climate Impact Research & Response Co-ordination for a Larger Europe).



# Features of the BSR pages

Climate-ADAPT  
European Climate Adaptation Platform

Home | Adaptation information | EU Adaptation Policy | Countries, regions, cities | Tools | Links | Search the database | Newsletter

→ General → Countries → Transnational regions → Cities and towns

## Impacts & Vulnerabilities

General | Policy Framework | Impacts & Vulnerabilities | Adaptation Actions

The Baltic Sea Region (BSR) with its huge geographical extent covers two climatic zones: while a humid, sub-polar climate predominates in the north and northeast, the south and southwest show an oceanic, temperate climate. Global climate models project the warming of the BSR to be higher than the global mean warming will be. The climatic variety will most likely be increased. The region's high vulnerability to climate change is presented further below for four sectors: tourism, biodiversity, food production, and infrastructure.

[Read more](#)

### Search Results

- ▶ Publications and reports (44)
- ▶ Information portals (2)
- ▶ Guidance (1)
- ▶ Tools (4)
- ▶ Maps, graphs and datasets (1)
- ▶ Indicators (1)
- ▶ Research and knowledge projects (29)
- ▶ Organisations (17)

Share your information

### Selected Indicators

- » Arctic and Baltic sea ice
- » Sea-level rise
- » Sea surface temperature

### Publications & Reports

- » BACC – The Baltex Assessment of Climate Change for the Baltic Sea basin
- » Baltadapt Report #7: Conceptualization of Vulnerability and Review of Assessments around the Baltic Sea Region
- » European Coastal Climate Change Impacts, Vulnerability and

### Information Portals

- » OURCOAST, the European portal for Integrated Coastal Zone Management
- » Baltadapt project

Share your information

Web content

Highlighted database items

Database search results

# The quality assessed database – item types

Database criteria:

- relevance for adaptation
- Relevance at European level
- Accessible for all European users (in English, at least with an English summary)

The screenshot shows the 'Climate-ADAPT European Climate Adaptation Platform' website. The header includes navigation links like 'Home', 'Adaptation information', 'EU Adaptation Policy', 'Countries, regions, cities', 'Tools', 'Links', 'Search the database', and 'Newsletter'. A search bar is present with the text 'Search the website Search...'. Below the header, there is a section titled 'The database contains quality checked information and is annotated by climate adaptation experts with keywords.' It includes a search input field and two radio button options: 'Any of these words:' and 'All of these words:'. A 'Search' button is also visible. The search results are displayed as a list of item types with their respective counts:

Item Type	Count
Publications and reports	504
Information portals	123
Guidance	108
Tools	44
Maps, graphs and datasets	101
Indicators	44
Research and knowledge projects	401
Adaptation options	66
Case studies	64
Organisations	90

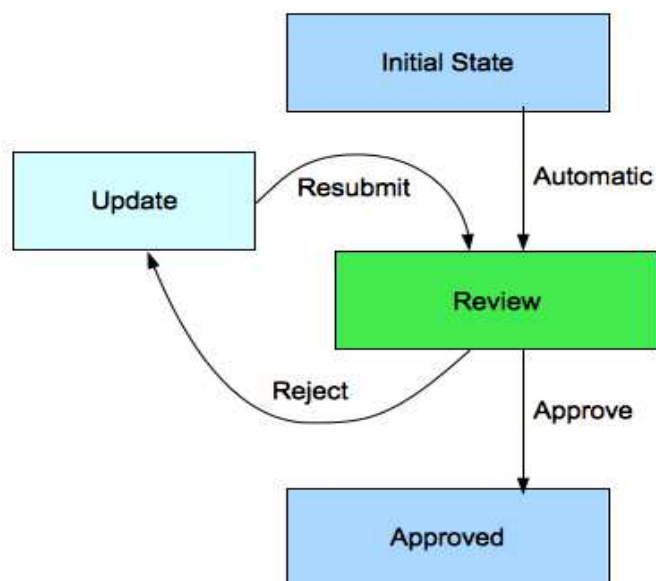
# Submissions of content

## Web content:

- by DG CLIMA, EEA, ETC/CCA and consultants

## Database items:

- by registered users
- via a review process





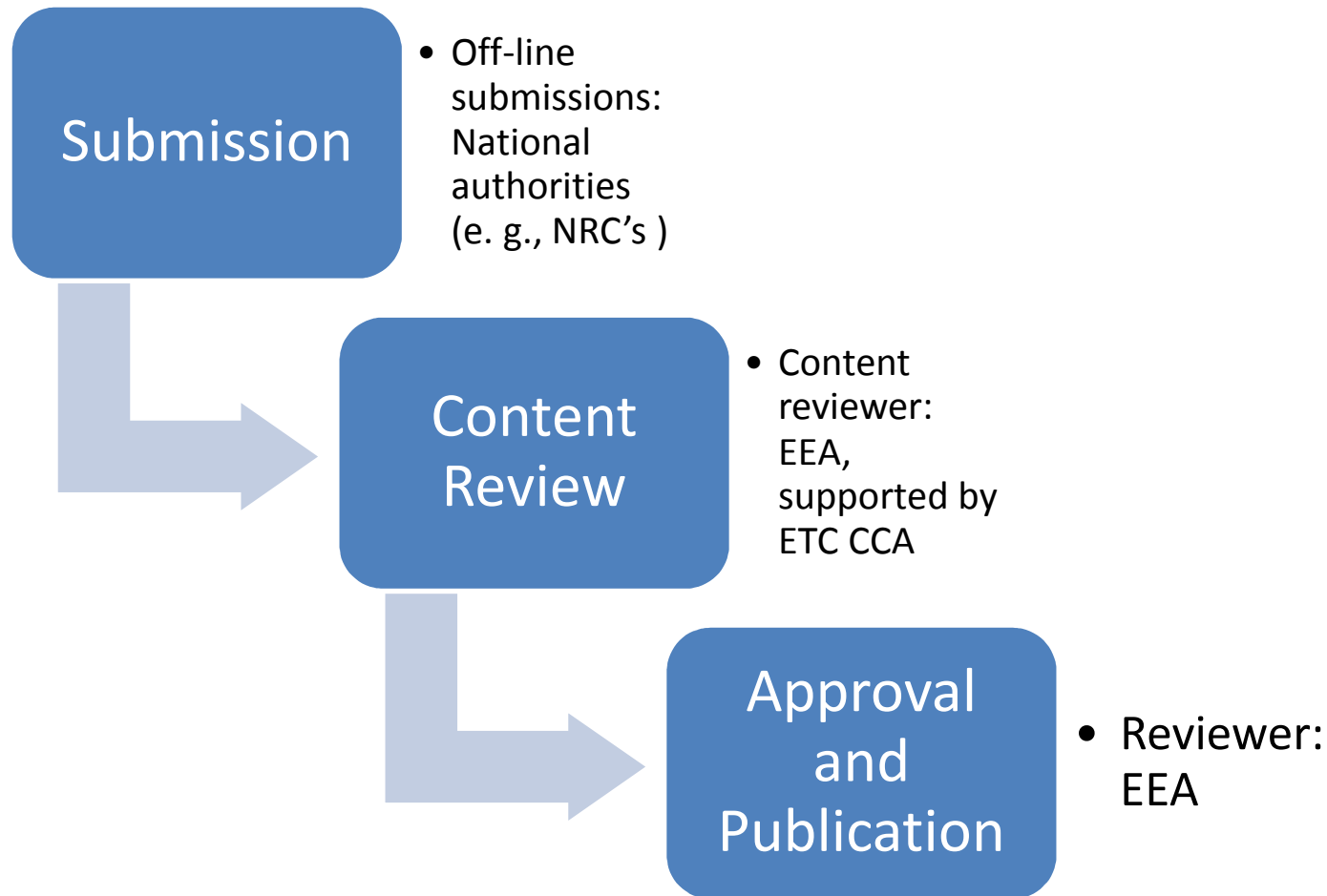
## Who is updating Climate-ADAPT?

Registered users having an EIONET account and interested in climate change adaptation:

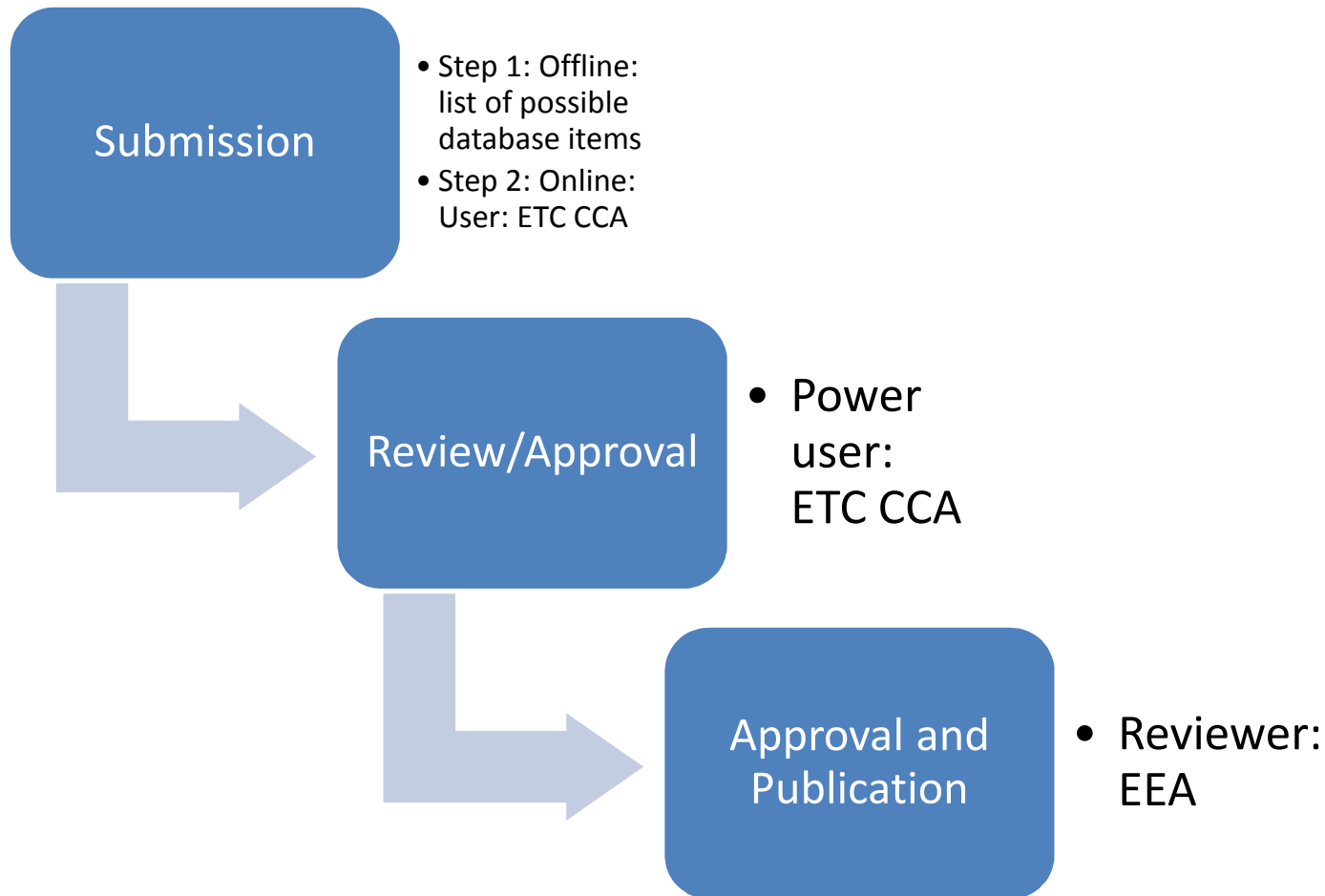
- EEA and EC (site admin, database and web pages)
- European Topic Centres (ETC) (database and web content)
- NRC (country representatives) (country pages)
- Transnational organisations/conventions/... (DB, transnational pages)
- cities administrations (DB, urban pages)
- partners in projects (private and public) (DB, project pages)
- Research organisations (DB)

Approximately 75 % of all submissions

# How is the submission of web content organized?



# How is the submission of database items organized?



## Further exchange on Climate-ADAPT

- Yearly EEA Eionet Workshop (Copenhagen, June)
- Expert workshop on adaptation platforms (June)
- 2 webinars per year (next November)
- Conference workshops (Adaptation futures, Rotterdam, May 2016)

# Thank you

