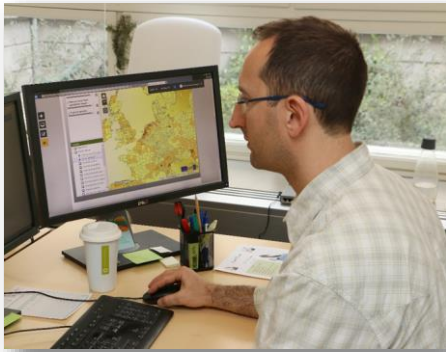


Added value of the Adaptation Support Tool

ECRAN Workshop Step B2

09 November 2015,
Zagreb

Kati Mattern, EEA



Climate-ADAPT (URL: <http://climateadapt.eea.europa.eu>)

Use numbers:

(Google Analytics; 2014)

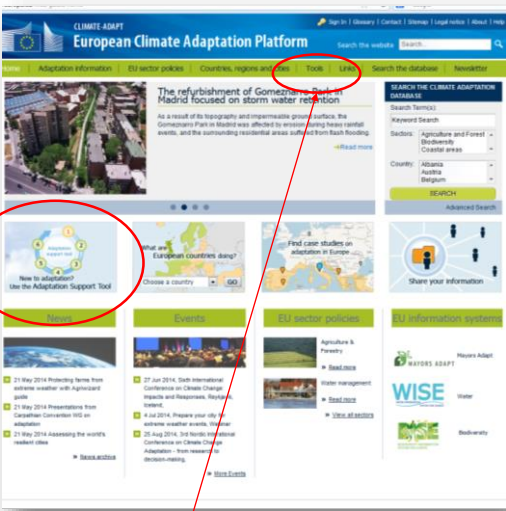
- Total number of visits: 5800/month (average)
- Unique visitors: 3600/month (average)

Most visited pages:

Country pages
Adaptation Support Tool (AST)

Accessible via
clickable logo
from the
homepage

Accessible via "tools" section from main menu



Unique feature: Adaptation Support Tool (AST)

Stepwise policy and planning tool

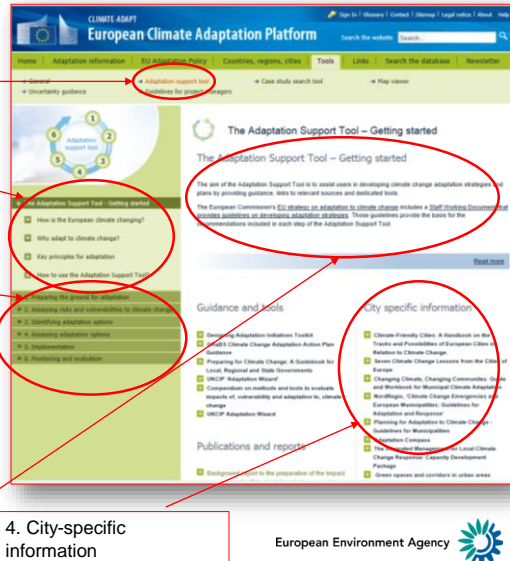
1. Available in a general and in a version specific for cities

3. More detailed support sections for each sub-step

1) Guidance via 6 steps assisting in the adaptation policy cycle

2. General introduction for each step

4. City-specific information



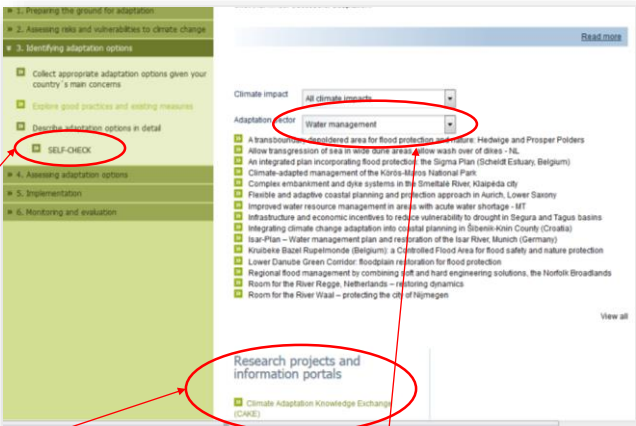
European Environment Agency

Available for each step

e. g.
Step 3
Identifying adaption options

Check lists for practical implementation

Further resources from the database



Pull-down menus with links to other tools

European Environment Agency

Steps of the AST

1. **Step 1: Preparing the ground for adaptation**
2. **Step 2: Assessing risks and vulnerabilities to climate change**
3. **Step 3: Identifying adaptation options**
4. **Step 4: Assessing adaptation options**
 - **Prepare a strategy document and get political approval**
5. **Step 5: Implementation**
 - **Develop an action plan**
6. **Step 6: Monitoring and evaluation**



European Environment Agency 

Step 1 Preparing the ground for adaptation

Recommended Sub-steps

1. Obtain high level support
2. Set up the process
3. Estimate human and financial resources and identify funding opportunities
4. Collect information
5. Communicate and raise awareness
6. SELF-CHECK



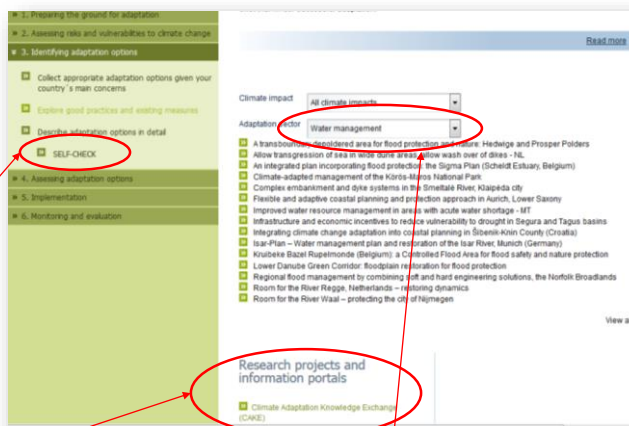
European Environment Agency 

Step 3: Identifying adaptation options

- 3.1 Collect appropriate adaptation options for your country
- 3.2 Explore good practices and adaptation measures
- 3.3 Describe adaptation options in detail

Check lists for practical implementation

Further resources from the database

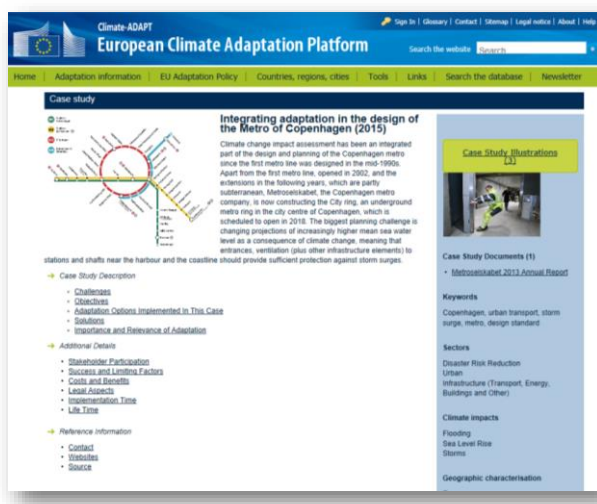


Pull-down menus with links to other tools (73 adaptation options, 70 case studies)

European Environment Agency 

Unique feature: 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



European Environment Agency 

• **Step 3.c Describe adaptation options in detail**

Information should be provided for the following points, as far as this is feasible:

- General aim of the adaptation option,
- Spatial scope,
- Social, economic and ecological context,
- Necessary steps of implementation and maintenance,
- Responsible actors and supportive actors for the implementation,
- Financial resources required,
- Time frame for planning and implementing to be fully effective.

Step 3.d Selfcheck

The following key issues are suggested as essential when identifying adaptation options:

- Gaps and barriers that hindered an adequate response in the past identified and understood
- A full portfolio of adaptation options considered
- Suitable adaptation options were described in detail

Adaptation policy and planning in practice

AST as “state of the art” and guidance, but there is a need to adapt to national/local needs

National adaptation policy process in European countries 2014

From a broad perspective, countries have taken similar pathways in addressing climate change adaptation, but according to the specific national circumstances varying approaches

Ad Jeuken (Deltares, The Netherlands)

- Policy does not naturally follow the AST structure
- Look for policy opportunity or try to create them
- Setting clear objectives, adaptation pathways, leave options open, refine during the process

National adaptation policy process in Germany (2008 to 2015)

- Timeline: Starting 2005, strategy 2008, Action Plan 2011 (framework at federal level), first Indicator based reporting 2015
- Most important: guiding questions, cause-effect relationship

Climate-ADAPT practice

- Starting with case studies, adaptation options as check list

European Environment Agency 

Content Update 2015: Improved features



Improved section on MRE (12/2015)



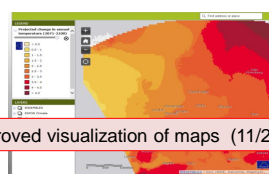
Modified/updated European Sector Policies (12/2015)



More systematic and transparent database update (12/2015)



Updated and harmonized European countries policy overview (11/2015)



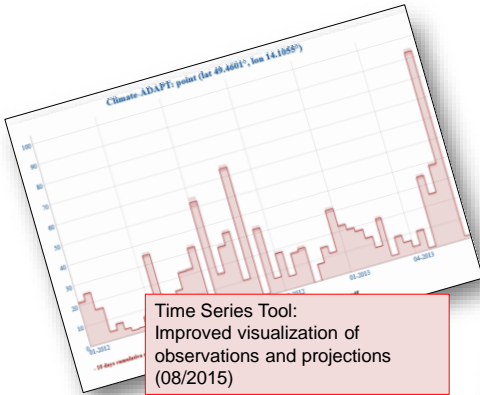
Improved visualization of maps (11/2015)



Content-wise clean-up of Adaptation options (06/2015)

European Environment Agency 

Content Update 2015: New features (EEA)



Further development 2015: new features (DG CLIMA)

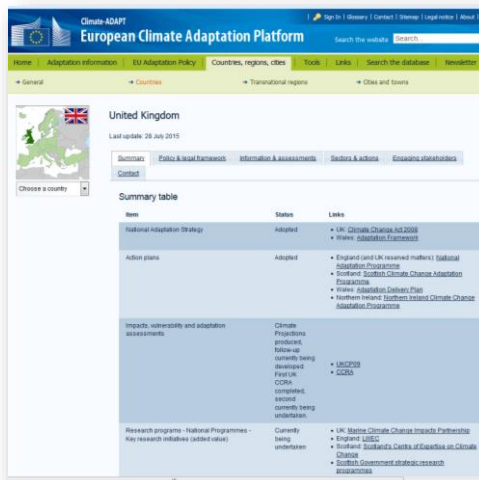


Main Focus 2016

- 1) Improve functionalities
 - Benefit from EEA Content Management System now and in future
- 2) Improve the updating of content
 - ETC CCA Stronger focus on webpages
- 3) Evaluate the content and functionalities of the platform
 - External evaluation

Unique Features: European countries adaptation policies

- Presenting official information based on governmental reporting (Art. 15 EU MMR)
- Unique summary of adaptation policy of EEA Member countries
- Web-based template with links to key national documents and official web-pages
- Accomodating different user groups via multiple entry points



The screenshot shows the 'United Kingdom' page on the Climate-ADAPT platform. It includes a 'Summary table' with the following data:

Item	Status	Links
National adaptation strategy	Adopted	<ul style="list-style-type: none"> UK Climate Change Act 2009 UK Climate Change Act 2009
Action plans	Adopted	<ul style="list-style-type: none"> England and Wales National Adaptation Programme Scotland National Adaptation Programme Northern Ireland National Adaptation Programme
Impacts, vulnerability and adaptation assessments	Climate Projections produced, follow-up currently being developed	<ul style="list-style-type: none"> UKCP09 UKCP09
Research programme - National Programmes - Key research initiatives (added values)	Currently being undertaken	<ul style="list-style-type: none"> UK Marine Climate Change Impacts Partnership England LSC Scotland Scottish Centre of Excellence on Climate Change Scotland Government strategic research programmes

Unique features: Adaptation Policy Tools

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

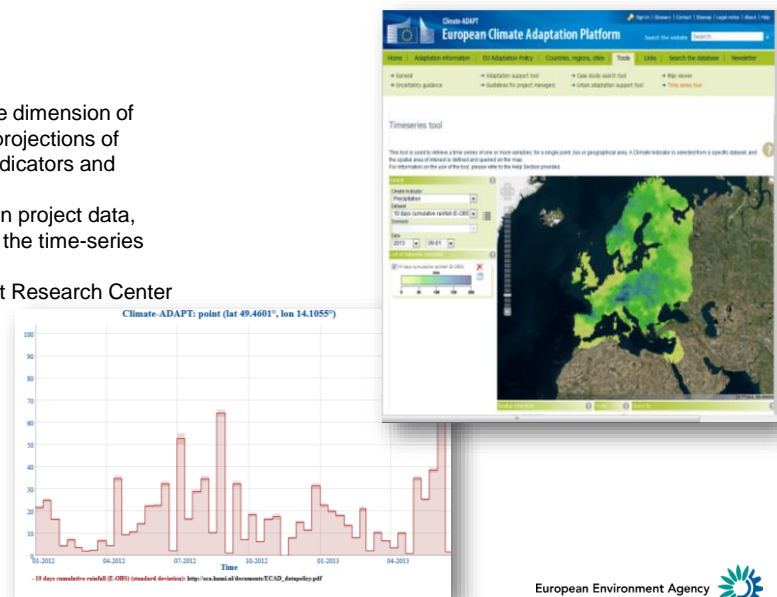


European Environment Agency 

Unique feature: Visualisation of climate observation and projection data

Time Series Tool

- Visualizing the time dimension of observations and projections of selected climate indicators and datasets
- Based on European project data, presented through the time-series tool
- Developed by Joint Research Center (JRC)



European Environment Agency 

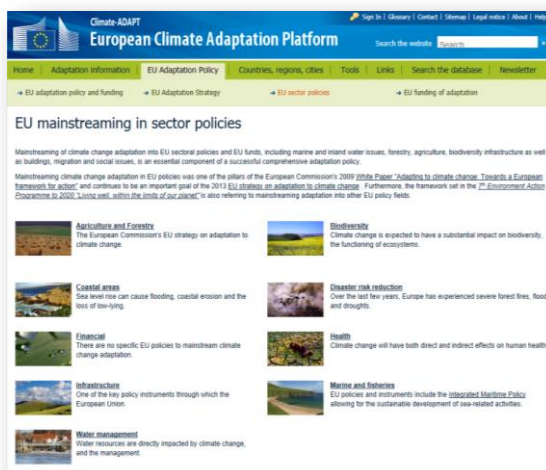
Unique feature: Case studies

- 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



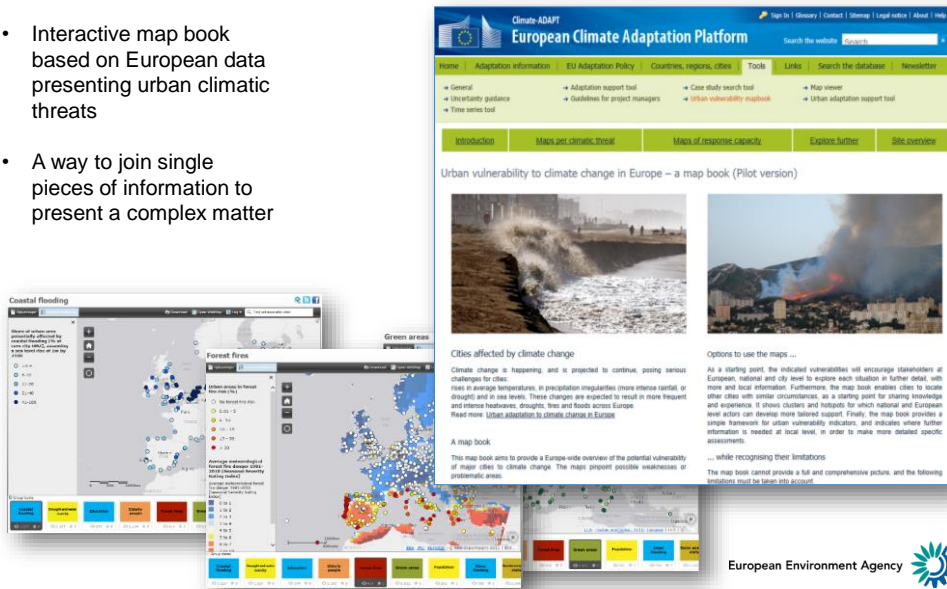
Unique feature: EU Sector policies

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



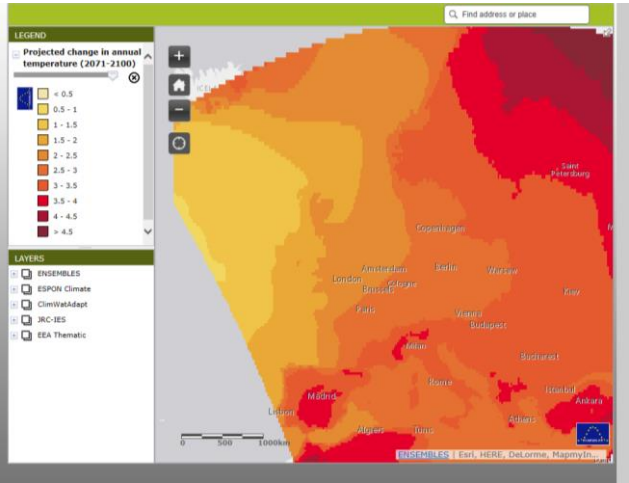
Unique feature: Interactive Urban vulnerability maps

- Interactive map book based on European data presenting urban climatic threats
- A way to join single pieces of information to present a complex matter



Unique feature: 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



Added value of an updated BSR window on Climate-ADAPT

Content-wise:

- Adding the transnational perspective to the information available on the national adaptation platforms
- Enhanced visibility of transnational activities
- Enable information sharing and learning
- Improved outreach of BSR information via newsletter

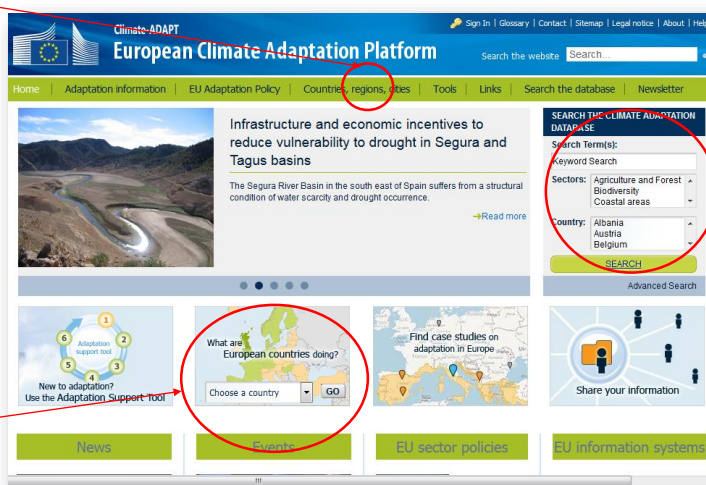
IT-wise:

- IT funding and hosting (maintenance) provided
- Benefits from DG/CLIMA EEA new functionalities development

Possible entry points to transnational information

Via entering the regions pages

Via a link on the individual country pages



Via searching for Baltic Sea region documents

Baltic Sea Region page (established December 2013)

Descriptive text on adaptation framework

Links to most relevant documents and information sources

Comprehensive Overview on all further data base resources related to the Baltic Sea Region

European Environment Agency

Status October 2015

Descriptive text on adaptation framework

Update needed?

More resources available?

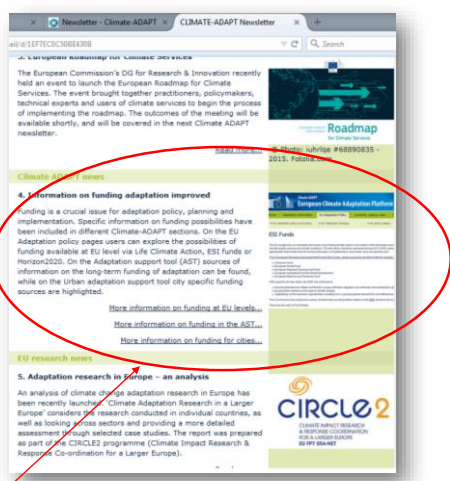

Links to most relevant documents and information sources

Most relevant information partly not accessible any more.


Comprehensive overview on all further DB resources related to the Baltic Sea Region

European Environment Agency

Inform European audience about new BSR information



Dissemination of Climate –ADAPT news

European Environment Agency 

Climate-ADAPT key principles

content	<ul style="list-style-type: none">• relevant information• quality assessed information
access	<ul style="list-style-type: none">• straightforward• up-to-date information
development	<ul style="list-style-type: none">• responsive to users needs• but keep basic structure

Assistance and submission work flow

Assistance and preparatory work:

- User registration via Eionet account
- Review of lists of possible items
- Review of metadata

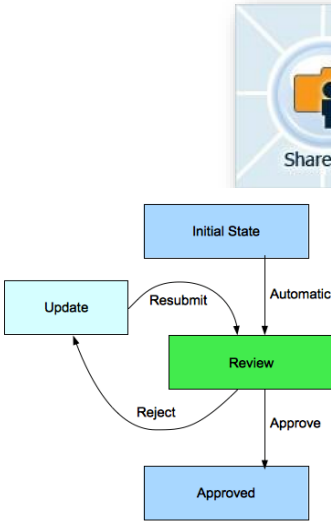
Submissions of content:

Web content:

- by EEA, ETC/CCA and consultants

Database items:

- by registered users
- via a review process



Baltic Sea Region page (established December 2013)

Descriptive text on adaptation framework

Links to most relevant documents and information sources



Comprehensive Overview on all further data base resources related to the Baltic Sea Region

Possible Roles and Work flow

Feature	CBSS secretariat	BSR countries
Yearly: Policy framework description	<ul style="list-style-type: none">Preparation of text changesSubmission to EEA	<ul style="list-style-type: none">Review and approval of text
Yearly: Links to most relevant documents	<ul style="list-style-type: none">Review and quality assuranceSubmission to EEA	<ul style="list-style-type: none">Proposals for suitable documentsReview and approval
Ongoing: Overview on all further DB items related to BSR	<ul style="list-style-type: none">Ongoing: review of lists of candidate items	<ul style="list-style-type: none">Submission of candidate items to CBSS secretariatPreparation of metadataSubmission to EEA
Ongoing: Links to original sources	<ul style="list-style-type: none">Support the availability of links	<ul style="list-style-type: none">Ensure the availability of links
....		

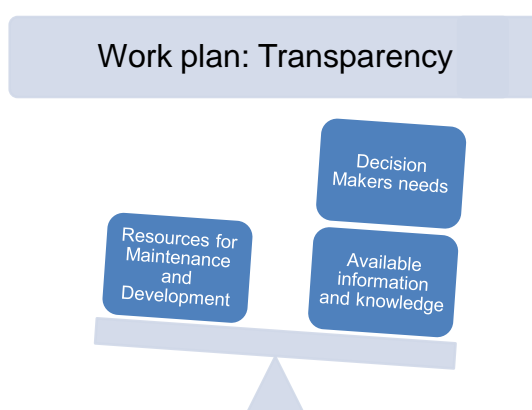
Metadata sheet for “publications and reports”

	Field name	Format	Definition
Compulsory fields	Name	Free text	Title of the item
	Description	Free text	Description of the item
	Keywords	Free text	Words immediately identifying the item
	Policy Sectors	Tick boxes	Sectors of relevance for policy-making
	Climate Impacts	Tick boxes	Impacts assessed or to be addressed through adaptation
	Elements	Tick boxes	Kind of analysis
	Year	Number	Year of release/update
	Website	Free text	One or more website to find further details
	Source	Free text	Information about legal and institutional aspects
	Document File	Upload	Document related to the item described
Compulsory fields	Geographic characterisation	Tick box – various level	Allows for more detailed geographic characterisation, including different level of information
	Countries	Tick boxes	Member States interested by the item
	Subnational Regions	Selection	NUTS2 classifications
	Municipality Name	Free Text	Name of city or local area
	Comments	Free text	Any comments provided with the item

Summary

- Good governance structure crucial for success
- Basis already given
- IT hosting available through EEA service
- Off-line preparation (EEA assistance available)
- On-line submission
- Set up BSR work structure and work flow

Further developing and updating Climate-ADAPT



Climate-ADAPT work plan 2014 to 2018

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



Proposed procedure April 2015

3-Step approach:

- 1) Descriptive pages on adaptation framework:
Update once per year: preparation by CBSS secretariat, adopted by countries
- 2) Links to most relevant documents and information sources:
Update once by year: Countries submit proposals: CBSS secretariat reviews and
- 3) Comprehensive overview on all further DB resources related to the Baltic Sea Region:
Submission by countries (and

