

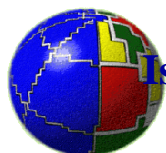
Climate-ADAPT *platform:* Adaptation Support Tool



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Tirana, Albania, 24-25 Nov. 2014



Istituto Nazionale di Geofisica e Vulcanologia



Outline

- EU Adaptation Strategy
- Climate-ADAPT Platform
- Adaptation Support Tool (*web link to Climate –ADAPT*)

EU CC adaptation strategy (2013)

Priority 1: Promoting action by Member States

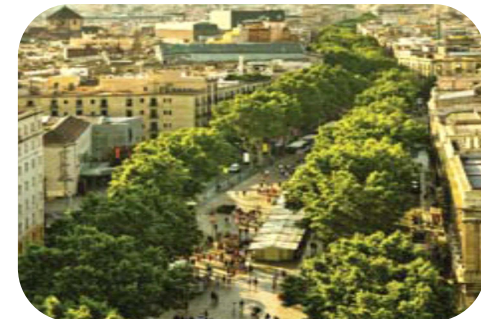
- Action 1. Encourage MS to adopt Adaptation Strategies and action plans
- Action 2. LIFE funding, including adaptation priority areas
- Action 3. Promoting adaptation action by cities along the Covenant of Mayors initiative

Priority 2: Better informed decision-making

- Action 4. Knowledge-gap strategy
- Action 5. Climate-ADAPT

Priority 3: Key vulnerable sectors

- Action 6. Climate proofing the Common Agricultural Policy, Cohesion Policy, and the Common Fisheries Policy
- Action 7. Making infrastructure more resilient
- Action 8. Promote products & services by insurance and finance markets



The documents

Commission Communication "An EU Strategy on adaptation to climate change" COM (2013) 216, including impact assessment

Green Paper on the insurance of natural and man-made disasters

Commission Staff Working Documents on:

- *Climate change adaptation, **coastal** and **marine** issues;*
- *Adaptation to climate change impacts on human, animal and plant **health**;*
- *Adapting **infrastructure** to climate change;*
- *Climate change, environmental degradation and **migration**;*
- *Technical guidance on integrating climate change adaptation in programmes and investments of **Cohesion Policy**;*
- *Principles and recommendations for integrating climate change adaptation considerations under the 2014-2020 **rural development programmes**;*
- *Guidelines on **developing adaptation strategies**.*

All documents are available at:

http://ec.europa.eu/clima/policies/adaptation/what/document_en.htm

EU Guidelines on developing adaptation strategies

page 5 footnote:

“Strategies shall be understood in this document as an umbrella term for adaptation policies (including strategies, action plan and potentially sectoral plans).

EU Guidelines on developing adaptation policies

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 Climate Adaptation Platform

Climate-ADAPT

- **Supports** governmental policy and decision makers developing and implementing climate change adaptation strategies, policies and actions
- **Complementary** to national and sectoral platforms
- **Launched 2012** (DG CLIMA, EEA)
- **EEA maintains**, with Commission, and supported by ETC CCA
- **New functionalities** since May 2014

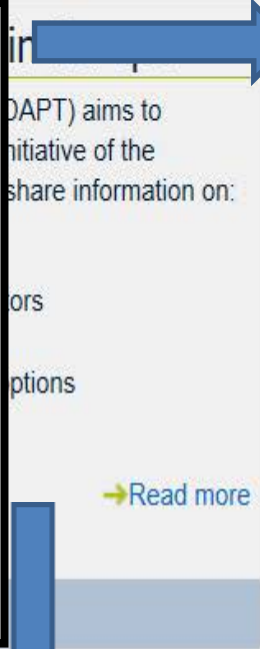


<http://climate-adapt.eea.europa.eu>



Updated features:

- EU Adaptation policy pages**
- Adaptation Support Tool**
- Overview of countries' activities**
- Information on transnational regions**
- Case study search tool**
- Database search functionality**
- Sharing of information**



SEARCH THE CLIMATE ADAPTATION DATABASE

Search Term(s):

Sectors:

Country:

[Advanced Search](#)



Adaptation support tool

- Aligned with **EU Adaptation Strategy's Guidelines** on developing adaptation strategies
- Additional information on the **use of the tool**
- Refined sub-structure of the **steps**
- **Updated resources** for each step retrieved from database
- Additional **check list** on every step
- Dedicated **section on funding**
- From 16 Oct onwards additional **urban adaptation support tool**



Case studies

- New and **more strict criteria** for the selection, e.g. implemented action
- **Local contact** is obligatory and the case study is **quality checked** by this contact
- **More detailed content** description and pictures
- **Success factors**
- **Cost-benefit** information
- Links to **adaptation options** section



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 bar lists: Home, Adaptation Information, EU Adaptation Policy, Countries, regions, cities, Tools, Links, Search the database, and Newsletter.

The 'Case study' section features a large image of the River Waal and a title: 'Room for the River Waal – protecting the city of Nijmegen (2016)'. The text describes the river's sharp bends and narrowness near Nijmegen, the Netherlands, and the measures taken to protect the city against flooding, including moving the Waal dike at Lent and constructing an ancillary channel.

Below the image, there are several sections:

- Case Study Description**
 - Challenges
 - Objectives
 - Adaptation Options Implemented In This Case
 - Solutions
 - Importance and Relevance of Adaptation
- Additional Details**
 - Stakeholder Participation
 - Success and Limiting Factors
 - Costs and Benefits
 - Legal Aspects
 - Implementation Time
 - Life Time
- Reference Information**
 - Contact
 - Websites

On the right side, there is a 'Case Study Illustrations(4)' section with a small image of the river and city. Below this are sections for 'Keywords' (Nijmegen, room for the river, dike relocation, integrated approach, urban development), 'Sectors' (Disaster Risk Reduction, Urban, Water management), 'Climate impacts' (Flooding), and 'Geographic characterisation' (Europe: Macro-Transnational region: North West Europe; Biographical regions: Atlantic).

Information on countries adaptation strategies



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

→ General → **Countries** → Transnational regions → Cities and towns



Choose a country 

France

Legal framework | Assessments | Priority sectors | Local actions | Summary | Contact

Responsibility for climate change adaptation is split between national, regional and local levels.

- The creation of a National Observatory for the Effects of Global Warming ([ONERC](#)) in 2001, tasked specifically with adaptation to climate change, followed by the adoption of the [National Adaptation Strategy in 2006](#), marked the beginning of French government activity in the adaptation field;
- Programme law 2009-967 of 3 August 2009, relating to the implementation of the Grenelle Environment Forum, makes provision in Article 42 for "the preparation of a National Adaptation Plan for a variety of areas of activity by 2011". The first [National Adaptation Plan](#) was published on 20 July 2011 and aims to present concrete measures designed to prepare for and exploit new climatic conditions in France. The Plan covers a five-year period (2011-2015). 20 key fields are identified for action. More than 90 % of actions have started and some like [Drias les futur du climat](#) are completed.
- Regional adaptation guidelines are defined in Regional Climate, Air and Energy Schemes (SRCAE) and local adaptation actions are designed within Territorial Climate-Energy Plans ([PCET](#)), under the provisions of Law 2010-788 of 12 July 2010.

Some French overseas communities have a specific competency regarding environmental policy (e.g. French Polynesia, New Caledonia). Thus adaptation policy falls under their local decision making process. French Polynesia is currently developing its strategic climate plan with specific provisions for adaptation issues.

In November 2009, France submitted its [fifth national communication](#) to the UNFCCC, with a significant part dedicated to adaptation issues and policies.



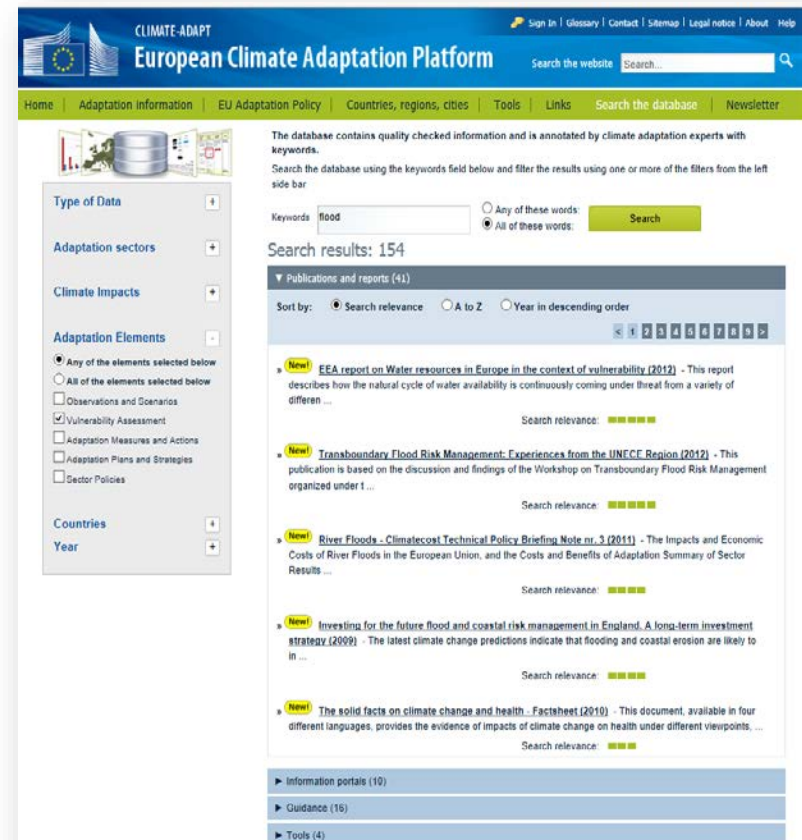
European Commission



European Environment Agency


Searching the database

- Updated search filters
- Search by year
- Geographical coverage



Map viewer

Information and maps from various projects, see example on *water stress*



CLIMATE-ADAPT
European Climate Adaptation Platform

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

Search the website

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

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

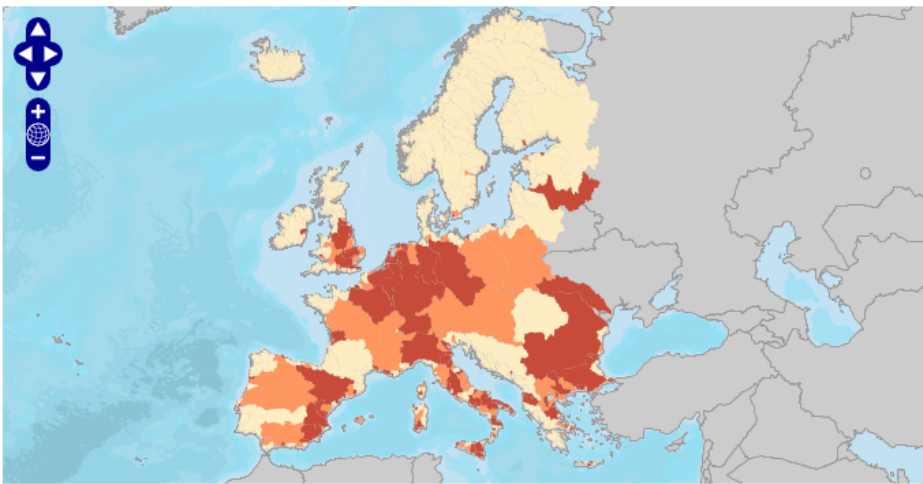


Table of contents

- ☐ Topography
- ☐ Annual average water stress (base line)
- ☐ Annual average water stress (2050, SUE)
- ☒ Annual average water stress (2050, EcF)
 - Low water stress
 - Mid water stress
 - Severe water stress
- ☐ Water stress, summer (base line)
- ☐ Water stress, summer (2050, SUE)
- ☐ Water stress, summer (2050, EcF)

Show a single map

Climate impact

Adaptation sector

Show a set of maps

- » Climate variables - projected changes (ESPON Climate Change project)
- » ESPON Climate Change project
- » Vulnerability and risk for the water sector

About this map viewer

Information for cities

Key activity: DG CLIMA funded initiative launched in 2014
'Mayors adapt'; conference 16 Oct 2014 with more than 100
cities <http://mayors-adapt.eu/>

Climate-ADAPT <http://climate-adapt.eea.europa.eu/cities> (will include city profiles from
MayorsAdapt from 2015)

Annual *European cities adapt to climate change*, **Open European
Day** (Bonn, May 2014)

<http://resilient-cities.iclei.org/bonn2014/open-european-day/>

EEA report 2012 (vulnerabilities; planning urban
adaptation; multi-level governance)

New report due in 2016



Denmark and Copenhagen adaptation actions (another example)

How to manage cloudburst and rain water

Action plan for a climate-proof Denmark

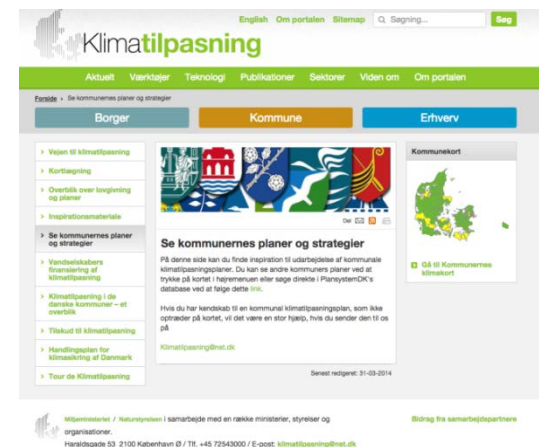


THE CITY OF COPENHAGEN CLOUDBURST MANAGEMENT PLAN 2012



Priorities for action:

- Areas with high risk
 - Synergies (road infrastructure, water framework directive)
 - urban development projects
- Aiming for a green and blue city



DK adaptation platform,
supports local actions

<http://en.klimatilpasning.dk/>

Copenhagen, extreme rainfall on 2 July 2011. Sewage system heavily overloaded, basements flooded, several motorways closed. Millions euro damage costs.





→ General
→ Uncertainty guidance

→ **Adaptation support tool**
→ Guidelines for project managers

→ Case study search tool
→ Urban adaptation support tool

→ Map viewer



» The Adaptation Support Tool - Getting started

- » How is the European climate changing?
- » Why adapt to climate change?
- » Key principles for adaptation
- » How to use the Adaptation Support Tool?

- » 1. Preparing the ground for adaptation
- » 2. Assessing risks and vulnerabilities to climate change
- » 3. Identifying adaptation options
- » 4. Assessing adaptation options
- » 5. Implementation
- » 6. Monitoring and evaluation



The Adaptation Support Tool – Getting started

The aim of the Adaptation Support Tool is to assist users in developing climate change adaptation strategies and plans by providing guidance, links to relevant sources and dedicated tools (urban practitioners find here also a specific [Urban Adaptation Support Tool](#)).

The European Commission has issued [EU guidelines on developing adaptation strategies](#) as a component of the [EU strategy on adaptation to climate change](#), with the aim to support EU Member States in the process of developing, implementing and reviewing their adaptation strategies. They provide a common understanding of key features relevant to adaptation processes, building on the experience available in the EU. The steps and recommendations of the Adaptation Support Tool are aligned with the contents of these guidelines.

[Read more](#)

Guidance and tools

- » **Designing Adaptation Initiatives Toolkit**
- » **GRaBS Climate Change Adaptation Action Plan Guidance**
- » **Preparing for Climate Change: A Guidebook for Local, Regional and State Governments**
- » **UKCIP 'Adaptation Wizard'**
- » **Compendium on methods and tools to evaluate impacts of, vulnerability and adaptation to, climate change**

Publications and reports

City specific information

- » **Climate-Friendly Cities: A Handbook on the Tracks and Possibilities of European Cities in Relation to Climate Change.**
- » **Changing Climate, Changing Communities: Guide and Workbook for Municipal Climate Adaptation**
- » **NordRegio, 'Climate Change Emergencies and European Municipalities: Guidelines for Adaptation and Response'**
- » **Planning for Adaptation to Climate Change - Guidelines for Municipalities**
- » **Adaptation Compass**
- » **The Integrated Management for Local Climate**