



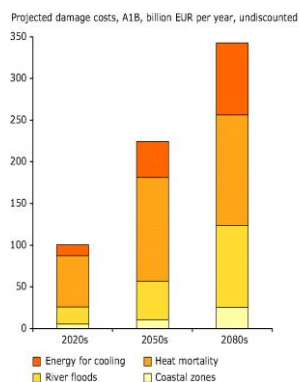
The EU strategy on adaptation to climate change

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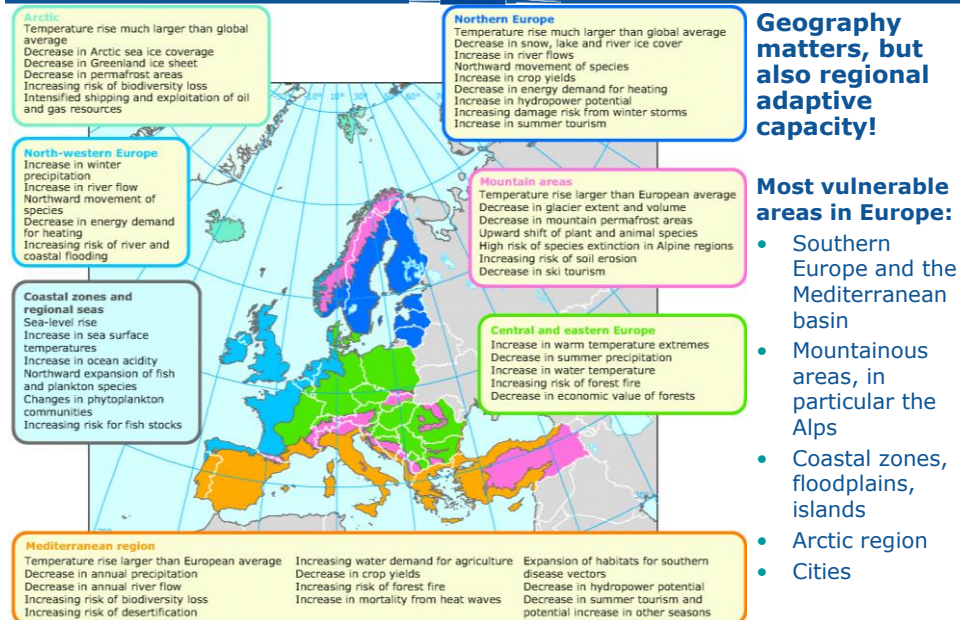
Mitigation and adaptation are both necessary and complementary

- **We need to increase mitigation efforts.** If the 2°C target is missed, adaptation increasingly costly.
- **We need to adapt.** Adaptation is inevitable (delayed impact of emissions). Adaptation is cheaper
 - 1€ invested in flood protection saves 6 € damage costs.
- **We need to act now.** Postponed adaptation and maladaptation will lead to higher damage costs.
 - ≥ 100 bn/year by 2020; 250 bn/year by 2050 for the EU
- **We need to prioritise actions** by focusing on most urgent needs



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Territorial climate impacts



Geography matters, but also regional adaptive capacity!

Most vulnerable areas in Europe:

- Southern Europe and the Mediterranean basin
- Mountainous areas, in particular the Alps
- Coastal zones, floodplains, islands
- Arctic region
- Cities

What have we done so far?

- *Member States:*
 - ☐ National Adaptation Strategies (16 EU MS)
 - ☐ Some Action plans / few concrete activities
 - ☐ Vulnerability assessments (few)
 - ☐ Dedicated online portals (some)
 - ☐ Research on adaptation / priority areas (most)
 - ☐ Monitoring, evaluation (starting)
- *Cities (some):*
 - ☐ Adaptation strategies
 - ☐ Sector-specific action e.g. heat wave plans
 - ☐ Small-scale local adaptation projects



Why an EU Strategy?

- **Cross-border** dimensions
- EU competence in **common policies** affected by climate change
- **Economies of scale** in capacity-building, research, data-gathering and knowledge transfer
- **Different capacities** and vulnerabilities across regions and population call for solidarity
- **EU Funding (MFF)**: climate-related expenditure

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Climate change in brief

2020 package

2030 framework

2050 roadmap

European Climate Change Programme

Greenhouse gas monitoring and reporting

Emissions Trading System (EU ETS)

Effort Sharing Decision

Low Carbon Technologies

Transport

Protection of the ozone layer

Fluorinated Greenhouse Gases

Forests and Agriculture

Adaptation to climate change

How will we be affected?

What is the EU doing?

Mainstreaming

Knowledge gaps

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

Policy

Documentation

Studies

EU Adaptation Strategy Package

- 30/07/2013 - SWD (2013) 299 - [Principles and recommendations for integrating climate change adaptation considerations under the 2014-2020 European Maritime and Fisheries Fund operational programmes](#) (179 kB)
- 18/06/2013 - [Council conclusions on the EU Adaptation Strategy](#)
- 16/04/2013 - COM (2013) 216 - [An EU Strategy on adaptation to climate change](#)
- 16/04/2013 - SWD (2013) 131 - [Summary of the Impact Assessment](#)
- 16/04/2013 - SWD (2013) 132 - [Impact Assessment Part 1](#) (716 kB)
- 16/04/2013 - SWD (2013) 132 - [Impact Assessment Part 2](#) (2.27 Mb)
- 16/04/2013 - COM (2013) 213 - [Green paper on the insurance of natural and man-made disasters](#)
- 16/04/2013 - SWD (2013) 133 - [Climate change adaptation, coastal and marine issues](#) (448 kB)
- 16/04/2013 - SWD (2013) 136 - [Adaptation to climate change impacts on human, animal and plant health](#) (354 kB)
- 16/04/2013 - SWD (2013) 137 - [Adapting infrastructure to climate change](#) (494 kB)
- 16/04/2013 - SWD (2013) 138 - Climate change, environmental degradation and



Overall objective

Contribute to a more climate-resilient Europe

Priority 1:
**Promoting
action by
Member States**

Priority 2:
**Better informed
decision-
making**

Priority 3:
**Key vulnerable
sectors**



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Priority 1: Promoting action by Member States

Action 1. Encourage MS to adopt Adaptation Strategies and action plans

- Guidelines on adaptation strategies
- Adaptation Preparedness scoreboard
- Check in 2017 coverage & quality of NAS

Action 2. LIFE funding, including adaptation priority areas

- cross-border floods management, cross-border coastal management
- urban environment
- mountain and island areas
- drought-prone areas (water, desertification, fire risks)

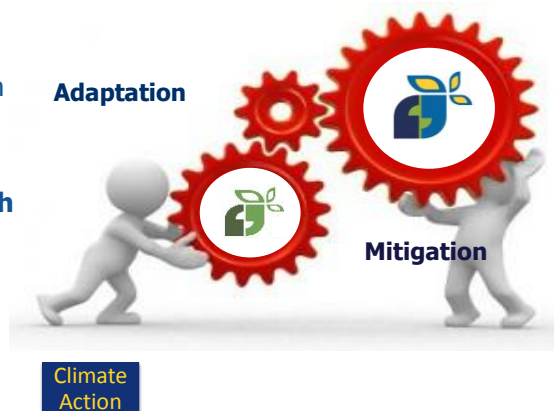
Action 3. Promoting adaptation action by cities along the Covenant of Mayors initiative

- Launch in March 2014
- Complements mitigation efforts under existing Covenant

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Action 3: Mayors Adapt

- Mayors Adapt follows the **model of the Covenant of Mayors** initiative – it is a parallel exercise for adaptation
- Objective: support local authorities in taking coherent action on both mitigation and adaptation – promoting an **integrated approach**



Mayors Adapt – What do we offer?

- Practical support offered by a dedicated **helpdesk** for operational questions,
- Knowledge support via targeted **guidance materials** - specifically tailored to local authorities,
- **Possibilities of networking** and peer-to-peer learning activities through dedicated **events**,
- **Visibility** and communication on cities' commitment to adaptation via personalised signatory profiles on the Mayors Adapt website,
- **Synergies** with the Covenant of Mayors and other relevant initiatives (LIFE, Climate-ADAPT)



Mayors Adapt – LIFE 1st Call for Proposals

"Project proposals focusing on **urban adaptation** are actively encouraged. This focus will allow responding to several of the themes identified in the EU Adaptation Strategy, such as green infrastructure and ecosystem-based approaches to adaptation; innovative adaptation technologies; floods; water; elaboration and implementation of adaptation strategies and plans."

"developing and implementing local adaptation strategies and action plans, such as those linked to the urban adaptation initiative ('Mayors Adapt')"

<http://ec.europa.eu/environment/life/funding/life2014/index.htm#adaptation>

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Mayors Adapt – How cities can join?

- Present and discuss the commitment document provided in the municipal council (or equivalent decision-making body),
 - Complete and sign the commitment document,
 - Send the signed commitment document to helpdesk@mayors-adapt.eu for the local authority's inclusion in the list of official signatories.
- ➔ The initiative is open to ALL cities in the EU, whatever their size, whatever the implementation stage of their climate policy!

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Priority 2: Better informed decision-making

Action 4. Knowledge-gap strategy

- Identify and prioritise knowledge gaps
- Feed this into programming Horizon 2020
- Better interfaces science/policy/business
- EU-wide vulnerability assessments: JRC (economic costs of cc); Integrated threat and risk assessment reports (2015).

Action 5. Climate-ADAPT:

- Develop interfaces with other databases and climate services
- Inclusion of Copernicus (Ex-GMES) climate services

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Priority 3: Key vulnerable sectors

Action 6. Climate proofing the Common Agricultural Policy, Cohesion Policy, and the Common Fisheries Policy

- Guidance
- Capacity building

Action 7. Making infrastructure more resilient

- Mapping standards through CEN/CENELEC/ETSI
- Guidelines for project developers

Action 8. Promote products & services by insurance and finance markets

- Green paper insurance of disasters
- Stakeholder dialogue

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CLIMATE-ADAPT

European Climate Adaptation Platform

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New to adaptation?
Use the Adaptation Support Tool

Climate Change Adaptation in Europe

The European Climate Adaptation Platform (CLIMATE-ADAPT) aims to support Europe in adapting to climate change. It is an initiative of the European Commission and helps users to access and share information on:

- Expected climate change in Europe
- Current and future vulnerability of regions and sectors
- National and transnational adaptation strategies
- Adaptation case studies and potential adaptation options
- Tools that support adaptation planning

[» Read more](#)



Find case studies on adaptation in Europe



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

Events



EU sector policies



Agriculture & Forestry

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EU information systems



WISE Water



Governance, financing and review

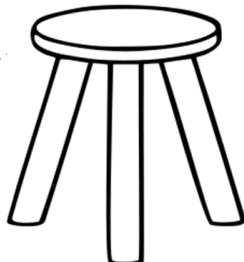
- **Governance:** discussion with Member States and stakeholders
- **Financing:** EU 2014-2020 programmes; EU funds, IFIs...
- **Monitoring:** developing indicators
- **Report to EP and Council in 2017.**

Climate mainstreaming (mitigation, adaptation)



Europe 2020 Strategy (smart, sustainable, inclusive growth)

- Emissions down 20%
- Energy efficiency up 20%
- Renewables 20%



Proposed EU Budget 2014-2020

- Mainstreaming
- At least 20% climate-related expenditure as reaffirmed by Council 7-8 February 2013
- Tracking of climate spending

Legislative package for ESIF 2014-2020 (ERDF, ESF, CF, EAFRD, EMFF)

- Thematic objective 4 "supporting the shift towards a low-carbon economy in all sectors"
- Thematic objective 5 "promoting climate change adaptation, risk prevention and management"
- Mainstreaming across all thematic objectives, investment priorities
- Fund-specific regulations, e.g. ERDF and CF

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Fact Sheets



http://ec.europa.eu/clima/publications/index_en.htm#Mainstreaming



Disaster Risk Management and Climate Change Adaptation

- **The EU civil protection mechanism legislation promotes exchange of good practices, incl. on preparing national civil protection systems to cope with the impacts of climate change**
- **Important to enhance synergies between the two communities**



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Thank you for the attention

