

# **EU Adaptation Strategy** ***relevance to macro-regional strategies***

*Presented by Andras Toth, DG Climate Action, Adaptation unit*

Meeting of macro-regional coordinators

Budapest, 17 November 2017



# Dual challenge

1. We must sharply cut greenhouse gas emissions to prevent unmanageable impacts ('**mitigation**')



**2030 Climate and Energy Package**



**European Adaptation Strategy (2013)**

2. We must also adapt to climate change to increase society's resilience and manage unavoidable impacts ('**adaptation**')

***Complementary and can be mutually reinforcing!***

# **Actions in the Adaptation Strategy**

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

1. Encouraging MS adaptation strategies
2. Providing LIFE funding
3. Adaptation in the Covenant of Mayors

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

4. Bridge the knowledge gap
5. Climate-ADAPT development

## **Priority 3: Climate-proofing EU action**

6. Mainstreaming to CAP, ESIF and CFP
7. Resilient infrastructure
8. Insurance and financial products for resilience

# **Priority 1**

**Promoting action  
by Member States**

# Action 1 – MS adaptation strategies

- 2013 – Commission guidelines on formulating adaptation strategies, developing, implementing and reviewing national adaptation policies
  - ✓ SWD(2013) 134 final – " Guidelines on developing adaptation strategies"
- 2014 – The Commission develops "an adaptation preparedness scoreboard, identifying key indicators for measuring Member States' level of readiness"
  - ✓ Developed in close consultation with MS authorities via WG6
- 2017 – The Commission assesses the general progress on adaptation action in the MS – now linked to the evaluation
  - 25 MS have adaptation strategies today (vs 15 in 2013)




# Most MS have national adaptation strategies



## Choose Thematic Map:

National adaptation strategy

[Show Thematic Map](#)

-  No links available for this theme
-  Links available for this theme
-  Currently no information available

[Disclaimer]

Source: EEA (2017)

The pending three strategies are close to finalisation



# Adaptation Preparedness Scoreboard



Adaptation policy-making process	Main areas of performance		Key domains of relevance	
	N°	Definition	N°	Definition
Step 1: Preparing the ground for adaptation	1	A central administration body is in charge of adaptation policy making and vertical and horizontal coordination arrangements are in place with other governmental bodies	1a	A central administration body officially in charge of adaptation policy making
			1b	Horizontal (i.e. sectoral) coordination mechanisms exist within the governance system, with division of responsibilities
			1c	Vertical (i.e. across levels of administration) coordination mechanisms exist within the governance system
	2	Stakeholders (e.g. interest groups, scientists and general public) are involved in the preparation of adaptation policies	2a	A dedicated process is in place to facilitate stakeholders' involvement in the preparation of adaptation policies
			2b	Transboundary cooperation is planned to address common challenges with relevant countries
Step 2: Assessing risks and vulnerabilities to climate change	<div>... <a href="http://climate-adapt.eea.europa.eu/eu-adaptation-policy/index.html/strategy">http://climate-adapt.eea.europa.eu/eu-adaptation-policy/index.html/strategy</a> ... ... Results published: draft 12/2017 final 4Q/2018</div>			
Step 3: Identifying adaptation options				
Step 4: Implementing adaptation action				
Step 5: Monitoring and evaluation				

Results published: draft 12/2017 final 4Q/2018

## **Action 2: Provide LIFE funding to support capacity building and step up adaptation action in Europe. (2014-2020)**

- **Total LIFE Climate Action envelope for 2014-2017: 449.6 million (split between mitigation and adaptation)**
- **Demonstration, best-practice or governance and information projects awarded through annual calls:**
  - 27 'traditional' adaptation projects in 2014-2015 calls: urban adaptation and sustainable agriculture/forestry are most represented, some governance projects
- **'Integrated Projects' implement climate change adaptation strategies at regional, national or trans-national level:**
  - One 'integrated' adaptation project in 2015: implementing 21 municipal adaptation strategies in the Central Denmark Region
- **Natural Capital Financing Facility: a pilot instrument financing loans and equity for investments contributing to biodiversity and/or climate change adaptation**

First operations to be signed in 2017





## Action 3: adaptation in the Covenant of Mayors

Covenant of Mayors  
for Climate & Energy

- 2015: launch of the Covenant of Mayors for Climate & Energy: to inform, mobilise and support cities
  - It integrates Mayors Adapt initiative (launched in 2014)
  - Signatories now pledge to:
    - Reduce CO<sub>2</sub>/GHG emissions by at least 40% by 2030
    - Adapt to the impacts of climate change
    - Translate their political commitment into local results by developing local action plans and reporting on their implementation
- **600+ EU cities**, covering **50+ million inhabitants**, **from 25 Member States** have already committed to **develop local adaptation plans**, some have started submitting them. Potential of thousands of cities joining.
- Going global...

# 7,100+ CITIES

REPRESENTING

# 600

MILLION  
PEOPLE



# 8%

OF TOTAL  
GLOBAL  
POPULATION

IN OTHER  
WORDS

**THE WORLD'S LARGEST  
COALITION OF CITIES  
FIGHTING CLIMATE CHANGE**



**GLOBAL COVENANT**  
*of MAYORS for*  
**CLIMATE & ENERGY**



**COMPACT**  
*of MAYORS*



**Covenant of Mayors**  
for Climate & Energy

Existing offices

Global Secretariat

North  
America

European Union  
& EFTA

Eastern-  
Europe &  
South  
Caucasus

South  
Mediterranean

South  
America

Sub-  
Saharan  
Africa

India

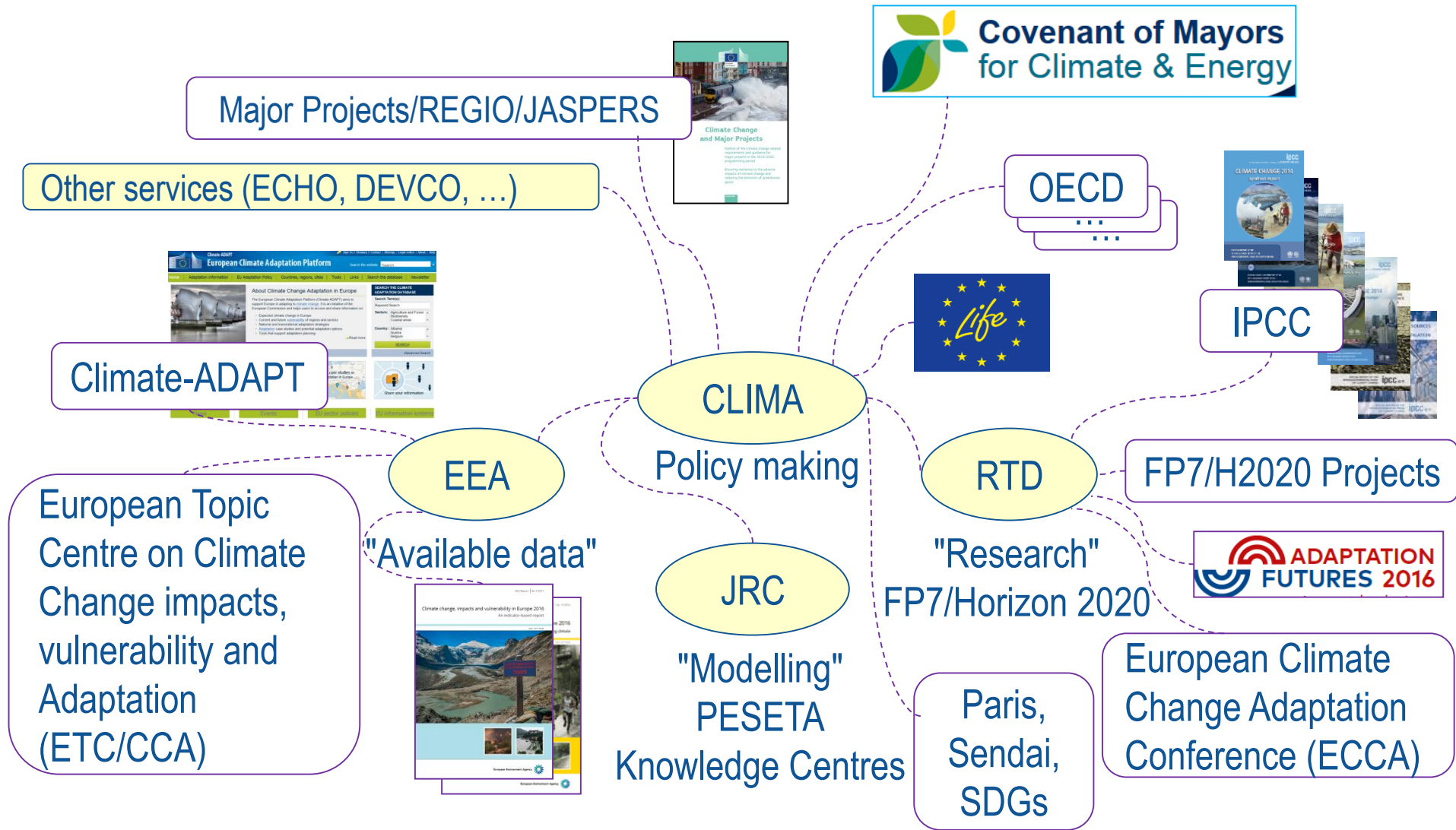
China

Japan

# **Priority 2**

## **Better informed decision-making**

# EU Adaptation Strategy, Action 4: Bridge the knowledge gap





CLIMATE-ADAPT

# European Climate Adaptation Platform

## Action 5: Further develop Climate-ADAPT

### Intended users

Adaptation stakeholders (transnational, national and sub-national): governmental organisations (ministries and public agencies), research institutes and practitioners

### Content

Sector policies; Projects; Countries, regions and cities; Knowledge tools (e.g. adaptation support tool), and databases; Networks

### Repository of information

One of the most visited EEA thematic sites

### Geographical scope

The EU28 (+ IS, LI, NO, CH, TR)

### Next steps

**2017 Evaluation by EEA (survey open until April 21<sup>st</sup>. 2017)**



Portal for Members States action, sectors and projects, hosted by the European Environment Agency and co-managed by DG CLIMA

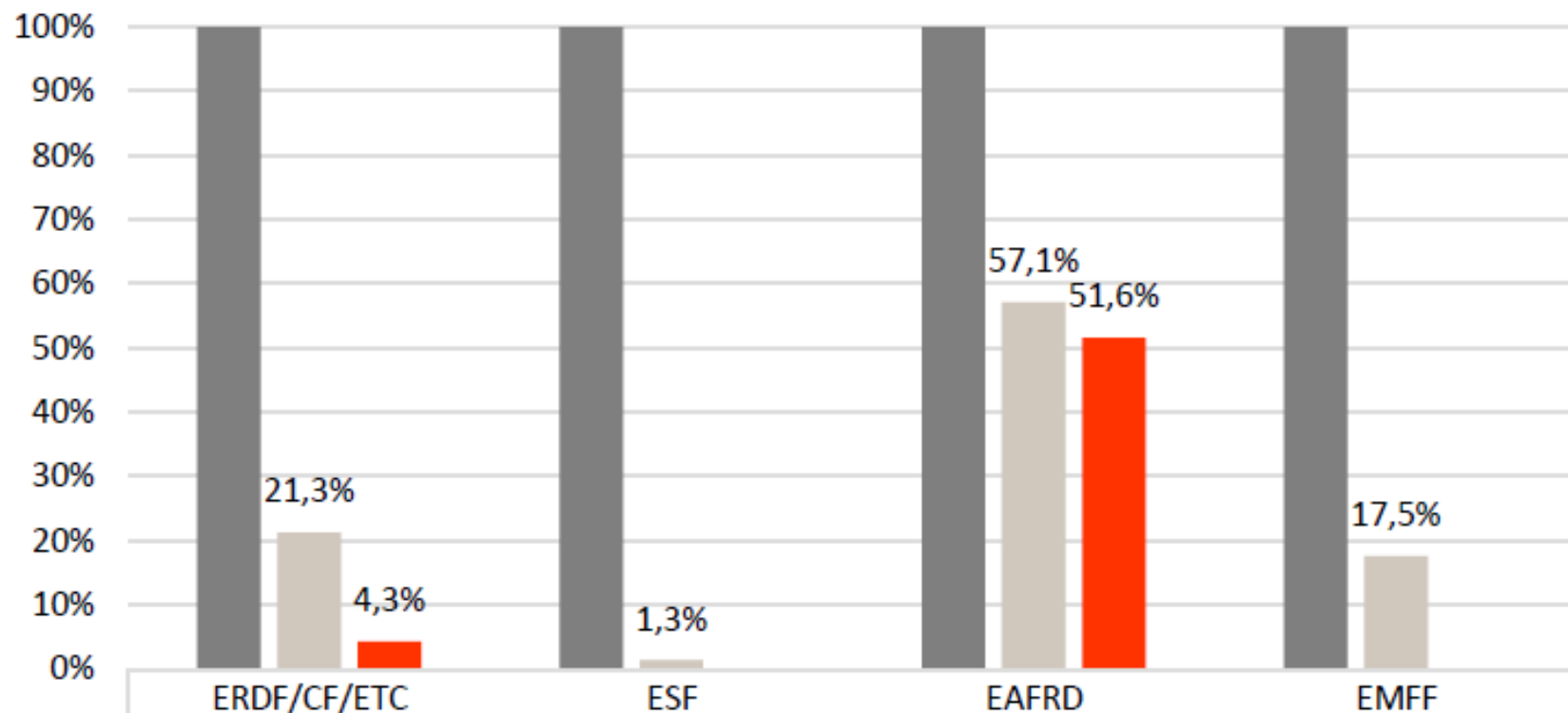
<http://climate-adapt.eea.europa.eu/>

# **Priority 3**

## **Climate-proofing EU action**



# Action 6 – Mainstreaming Adaptation into Agriculture, Cohesion, and Fisheries



	ERDF/CF/ETC	ESF	EAFRD	EMFF
Total support	EUR 260.1 billion	EUR 82.2 billion	EUR 98.6 billion	EUR 5.7 billion
Climate action	EUR 55.3 billion	EUR 1.1 billion	EUR 56.3 billion	EUR 1 billion
Adaptation	EUR 11.2 billion	n/a	EUR 50.9 billion	n/a

■ Total support ■ Climate action ■ Adaptation

Source: Mainstreaming of Adaptation into the ESIF 2014-2020, COWI, April 2017

[https://ec.europa.eu/clima/sites/clima/files/budget/docs/report\\_maindstreaming\\_adaptation\\_en.pdf](https://ec.europa.eu/clima/sites/clima/files/budget/docs/report_maindstreaming_adaptation_en.pdf)

## *European Territorial Cooperation 2014-2020 - allocations to climate action and adaptation*

Cooperation Type	Number of CPs	Union support (MEUR)		
		Total Climate Action Support	For adaptation	For mitigation and/or adaptation
Cross-border	57	1,217.3	333.7	302.7
Transnational	15	647.0	94.7	139.0
Interregional	3	33.8	-	-
Total	75	1,898.1	428.4	441.7

1. TO6 (environment) more used than TO5 (adaptation and risk preparedness)
2. Two relevant case studies: Danube TP and Adriatic-Ionian CP

Source: Mainstreaming of Adaptation into the ESIF 2014-2020, COWI, April 2017

[https://ec.europa.eu/clima/sites/clima/files/budget/docs/report\\_mainstreaming\\_adaptation\\_en.pdf](https://ec.europa.eu/clima/sites/clima/files/budget/docs/report_mainstreaming_adaptation_en.pdf)



## EU Strategy for the Baltic region (EUSBSR)



- **First EU macro-regional strategy**
- **Adopted in 2009**
- **8 countries (SE, DK, EE, FI, DE, LV, LT, PL)**
- **13 policy areas and 4 horizontal actions within 3 main objectives:**
  - ❖ **Save the sea**
  - ❖ **Increase prosperity**
  - ❖ **Connect the region**
- **June 2015 revised Action Plan: more focus on a reduced number of areas (from 22 to 17)**
- **Increase Prosperity Sub-objective 'Climate Change adaptation, risk prevention and management' under Increase prosperity**
- **HA Climate, Action 2: Climate change adaptation**
- **Flagship initiatives: BSR Climate Change Dialogue Platform; W2B (Urban bio-waste to renewable energy); BuildingEFFECT(Energy Efficiency); ClimUrban (Urban flood management; BUF (Baltic Sea Region for Smart Cities)**
- **More info: [www.balticsea-region-strategy.eu](http://www.balticsea-region-strategy.eu)**



## EU Strategy for the Danube region



- **Adopted in 2011**
- **14 countries** (Member states: AT, BG, HR, CZ, HU, DE, RO, SK, SI; Candidate and potential candidate countries: RS, BIH, ME; Neighbourhood Countries: UA, MD)
- **11 priority areas within 4 pillars:**
  - ❖ Connect the region
  - ❖ Protecting the environment
  - ❖ Strengthening the region
  - ❖ Building prosperity
- **PA 05 Environmental Risks explicitly address climate change challenges. One of the outcomes: Climate Adaptation Strategy for the Danube River Basin adopted in 2012.**
- **More info:** [www.danube-region.eu](http://www.danube-region.eu),

## EU Strategy for the Adriatic-Ionian Region



- The European Council of December 2012 requested the EC to present an EU Strategy for the Adriatic-Ionian Region by end 2014.
- 8 countries (Member states: HR, EL, IT, SI; Candidate and potential candidate countries: AL, RS, BIH, ME)
- Adopted in 2014 (18th June 2014 by the EC, October 2014 by GAC and European Council)
- 4 pillars are identified as of priority interest:
  - ❖ Blue Growth
  - ❖ Connecting the Region (transport and energy networks)
  - ❖ Environmental quality
  - ❖ Sustainable Tourism
- **Climate action as a horizontal objective;**
- **Environmental quality pillar includes climate action. For example, a regional strategy on adaptation to climate change is to be developed.**
- **More info:**  
[http://ec.europa.eu/regional\\_policy/cooperate/adriatic\\_ionian/index\\_en.cfm](http://ec.europa.eu/regional_policy/cooperate/adriatic_ionian/index_en.cfm)

## EU Strategy for the Alpine Region



- The European Council of December 2013 invited the EC to elaborate an EU Strategy for the Alpine Region by the mid of 2015
- 7 countries (Member states: AT, FR, DE, IT, SI; Non-member states: CH, LI)
- Adopted 28 July 2015, currently under LUX Presidency preparing Conclusions for GAC November,
- 3 thematic priorities have been preliminary identified:
  - ❖ Competitiveness and Innovation
  - ❖ Environmentally friendly mobility
  - ❖ Sustainable management of energy, natural and cultural resources
- ❖ **Action 8 to improve risk management and better manage climate change: a comprehensive vulnerability assessment; development of a regional adaptation strategy to climate change**
- ❖ **Possible projects: Virtual Alps Observatory, Research on Regional and Transboundary adaptation; Monitoring, modelling and evaluation.**
- More info:  
[http://ec.europa.eu/regional\\_policy/cooperate/alpine/index\\_en.cfm](http://ec.europa.eu/regional_policy/cooperate/alpine/index_en.cfm)



## Action 7: Ensuring more resilient infrastructure

- Guidelines for project development (EUFIWACC)
- Mainstreaming adaptation into European standardisation

*Execution of Mandate M/526 to revise infrastructure standards (energy, transport, buildings/construction) in full speed*

- 1<sup>st</sup> phase: identifying the standards (close to being finished)
- 2<sup>nd</sup> phase: adapting the standards
- CEN guidelines on adaptive standards

# Climate Change and Major Projects in the 2014-2020 programming period



## Structure and content



### Climate Change and Major Projects

Outline of the climate change related requirements and guidance for major projects in the 2014-2020 programming period

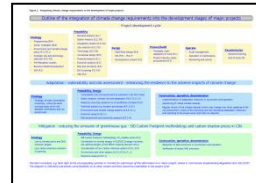
Ensuring resilience to the adverse impacts of climate change and reducing the emission of greenhouse gases

Climate Action

European  
Commission



**Introduction  
(major projects,  
climate change, ...)**



**Project cycle, integrating  
climate change**



**Adaptation:  
vulnerability and  
risk assessment**



**Mitigation: EIB Carbon  
footprint methodology +  
carbon shadow price in CBA**



**Information on a  
major project  
(climate aspects)**



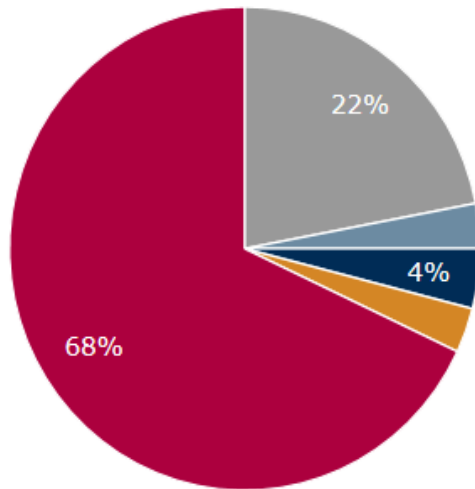
**Legal and other  
references and  
explanatory  
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# Action 8 – Insurance and financial products for adaptation

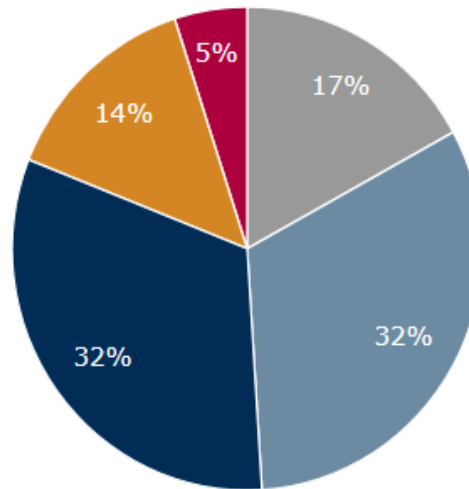


## Impacts of extreme events in EEA member countries (climate-related and geophysical hazards; 1980–2015)

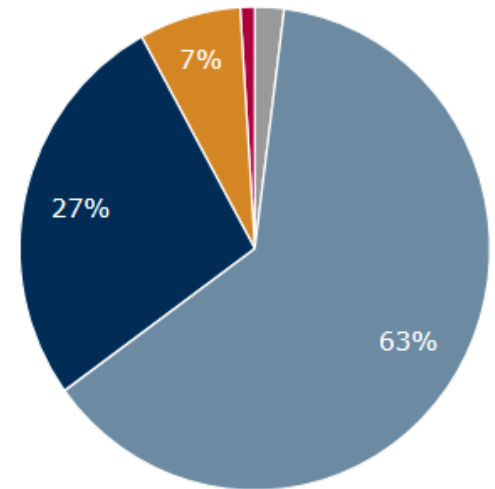
### Fatalities 114 807



### Total economic losses EUR 520 billion (2015 prices)



### Insured losses EUR 155 billion (2015 prices)



● Geophysical events   ● Meteorological events   ● Hydrological events   ● Climatological events   ● Climatological event (heat wave)

Source: Munich RE  
NatCatSERVICE

# Action 8 – Insurance and financial products for adaptation

Ongoing work on:

- Taking stock of insurance mechanisms covering weather and climate related disaster risks, applied in (and beyond) the EU
- Determining cost effectiveness of insurance mechanisms
- Analysis of which mechanisms incentivise prevention of risk and support damage reduction
- Definition of next steps in insuring weather and climate related extreme events

# Adaptation in the International Context

## Paris Agreement

- Balanced approach to mitigation/adaptation
- Global goal on adaptation
- Adaptation in the ambition cycle and transparency

## 2030 Agenda for Sustainable Development

- Goal 13: Take urgent action to combat climate change and its impacts
- Resilience mainstreamed: 12 SDGs directly involve taking action on climate change



## The Sendai Framework on Disaster Risk Reduction

- Mutually reinforcing objectives
- Coherence with climate change and sustainable development

## The New Urban Agenda

- Integrates the Paris Agreement and commits to climate promoting action in cities

### Sendai Framework for DRR: Seven Global Targets



## Implications for adaptation in the EU...

- New vision and new opportunities for adaptation:
  - Need to align to UNFCCC cycle and reporting requirements
  - Need to refocus, steer and align domestic efforts with international processes



# THE EVALUATION:

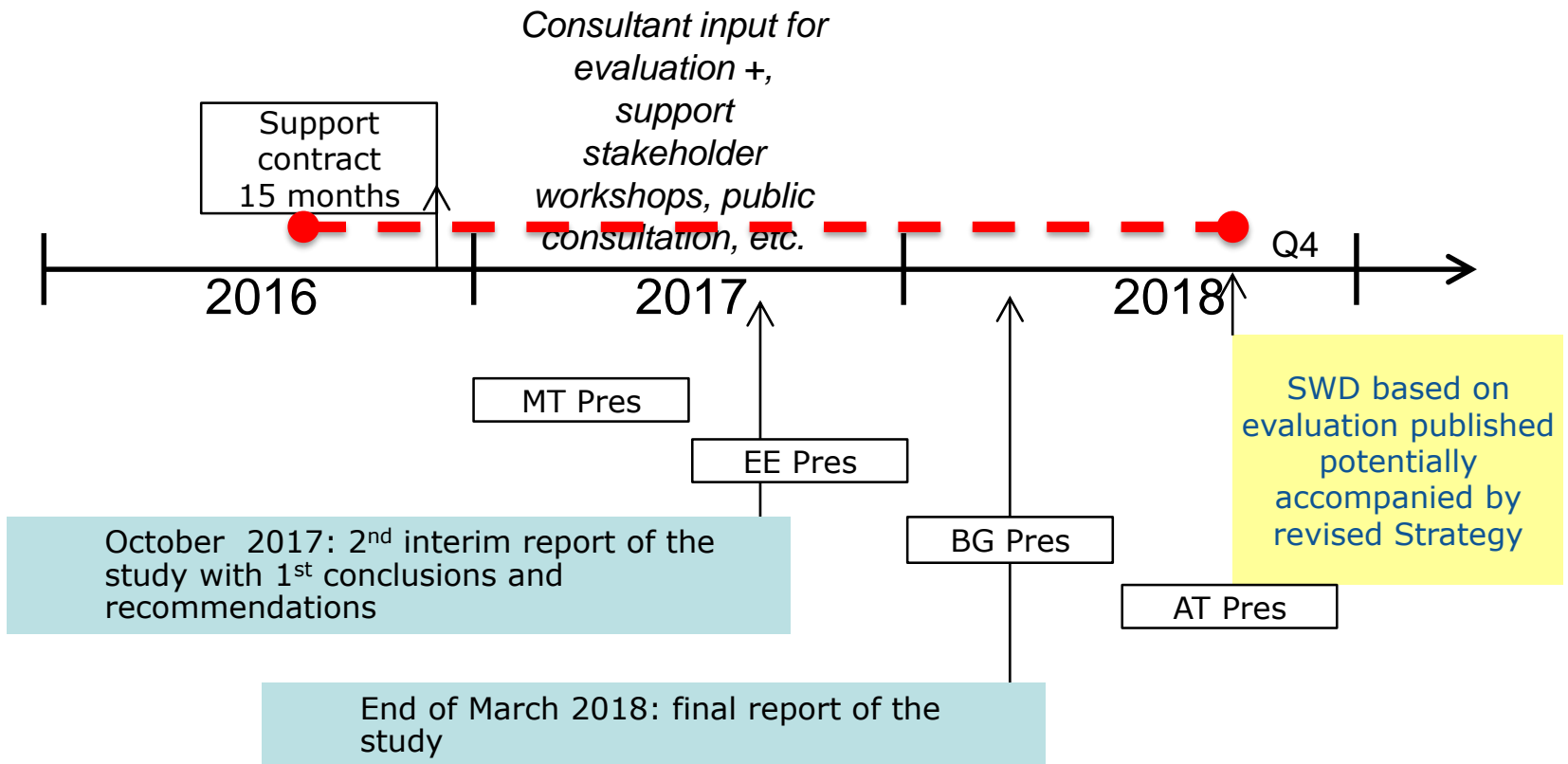
- ❖ examines the actual implementation and the achievements of the objectives and the eight Actions of the EU Adaptation Strategy.
- ❖ assesses the relevance, effectiveness, efficiency, coherence and EU added value of the overall Strategy, and
- ❖ assesses the actual state and progress in the implementation of the 8 actions against what could reasonably be expected to have been achieved by end 2017.
- ❖ *The Roadmap of the evaluation was published in September 2016:*

[http://ec.europa.eu/smart-regulation/roadmaps/docs/2016\\_clima\\_011\\_evaluation\\_adaptation\\_strategy\\_en.pdf](http://ec.europa.eu/smart-regulation/roadmaps/docs/2016_clima_011_evaluation_adaptation_strategy_en.pdf)

# The consultation process

- ❖ An external study assisting in the evaluation started in January 2017
- ❖ A Stakeholder Consultation Strategy, with more detailed information, was published on the CLIMA website in March
- ❖ Two stakeholder workshops (5 April and 23 January 2018)
- ❖ Interviews and surveys with different stakeholders groups (including MS, EU Institutions, NGOs, private sector, local/regional Authorities) in July-August 2017
- ❖ One web based public consultation (~December 2017 – ~February 2018)

# Strategy evaluation and possible revision - indicative timeline



Thank you  
for your attention



**Directorate-General for Climate Action ("DG CLIMA"):**  
<http://ec.europa.eu/clima>

**EU Strategy on Adaptation to Climate Change:**  
[http://ec.europa.eu/clima/policies/adaptation\\_en](http://ec.europa.eu/clima/policies/adaptation_en)

**European Climate Adaptation Platform:**  
<http://climate-adapt.eea.europa.eu>

**Covenant of Mayors for Climate & Energy:**  
[www.covenantofmayors.eu](http://www.covenantofmayors.eu)

