



# Informing adaptation policy and practice in Europe – European Climate Adaptation Platform/Climate-ADAPT

*Lessons learnt*

Kati Mattern/4<sup>th</sup> International Climate Change Adaptation Platforms Meeting, Tokyo/15 December 2023





# Climate-ADAPT – Sharing knowledge for a climate resilient Europe

Jointly managed by European Commission and EEA

Knowledge for all steps of the adaptation policy cycle

Developed for **target group**: decision-makers at all governance levels in EU and organisations supporting them

Outreach 2023:

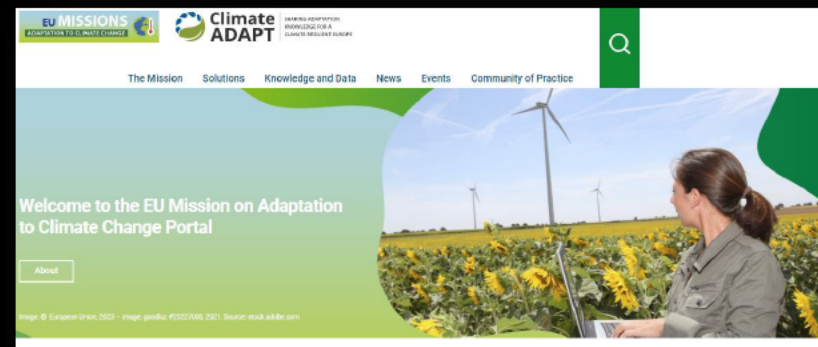
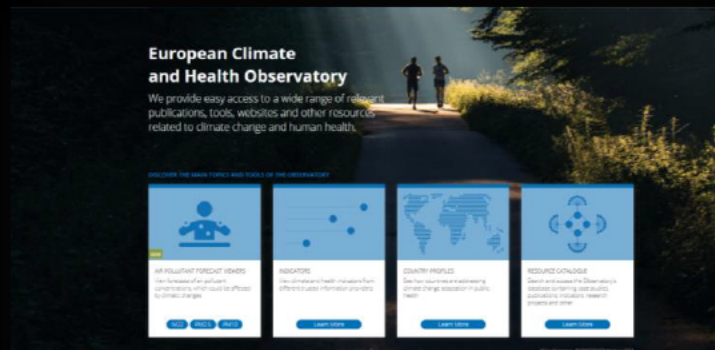
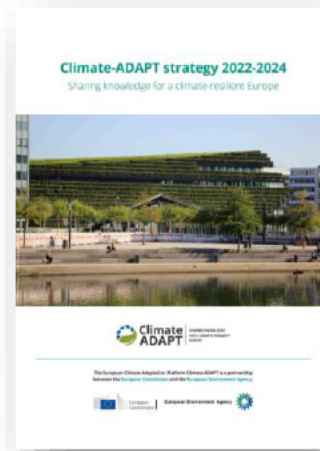
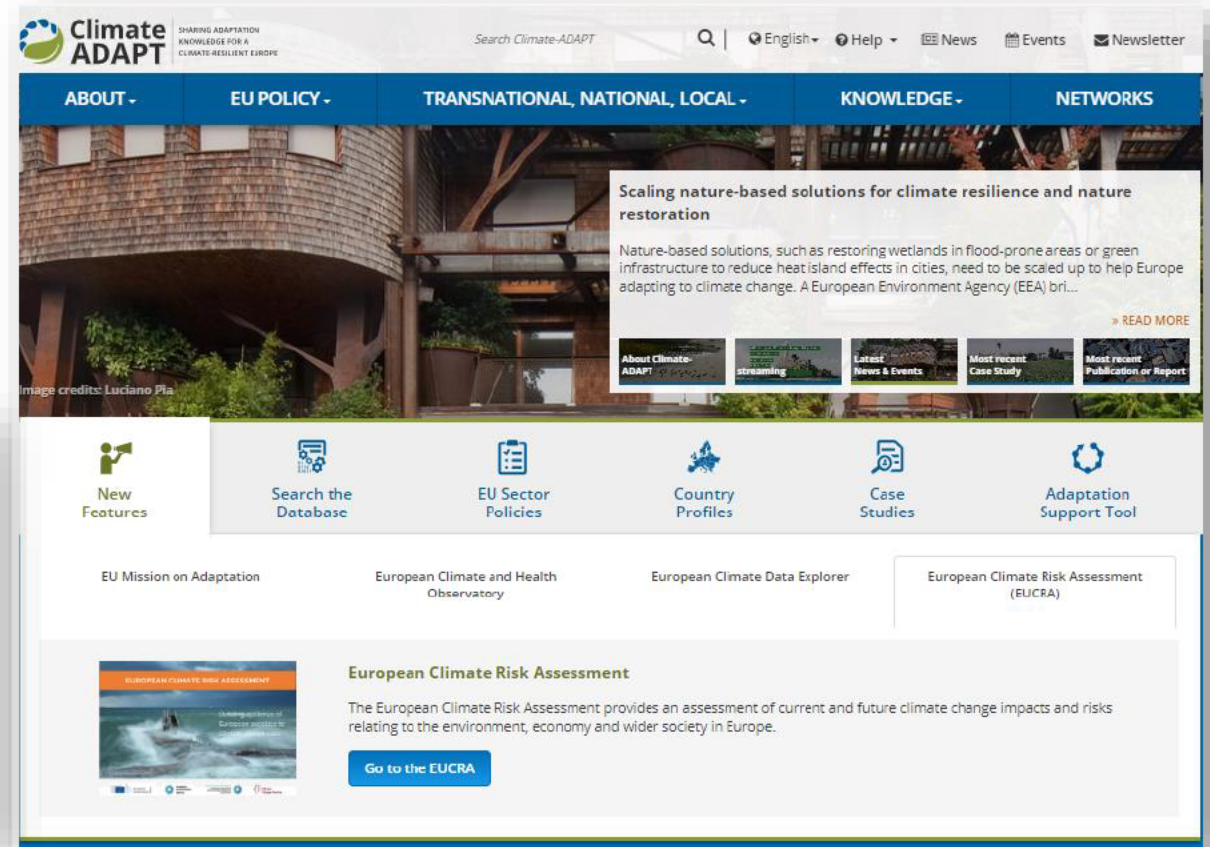
Average weekly visits: 16 000

Average weekly page views 26 700

Developed under multiannual strategies

Entry points into specialised sub platforms

[European Climate and Health Observatory](#)



link Climate-ADAPT: <https://climate-adapt.eea.europa.eu/>

[EU Mission on adaptation to Climate change portal](#)

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# Policy and funding programmes driving adaptation in the European Union



## Global level

### Policies:

UNFCCC Paris Agreement

Sendai Framework for Disaster Risk Reduction

Sustainable Development Goals

(EU: 448 million inhabitants)



## European level

### Policies:

European Climate Law ([Regulation \(EU\) 2021/1119](#))

EU Climate Adaptation Strategy

EU Regulation on governance of the Energy Union and Climate action and the Climate Law

EU Water Framework Directive and Floods Directive

EU Biodiversity strategy

EU Common Agricultural Policy

EU Action plan on sustainable finance

### Funding programmes:

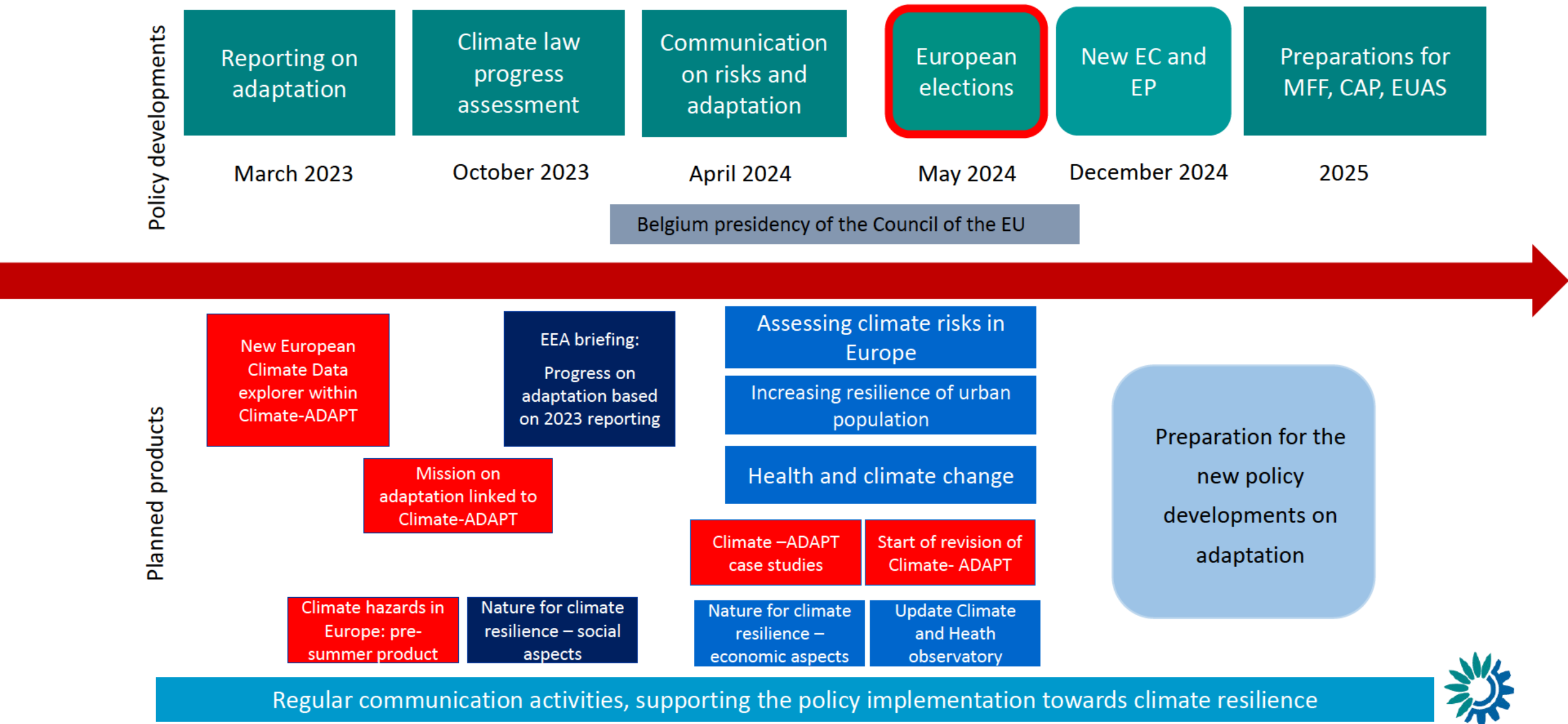
LIFE+, Copernicus, Horizon 2020/Europe, Interreg



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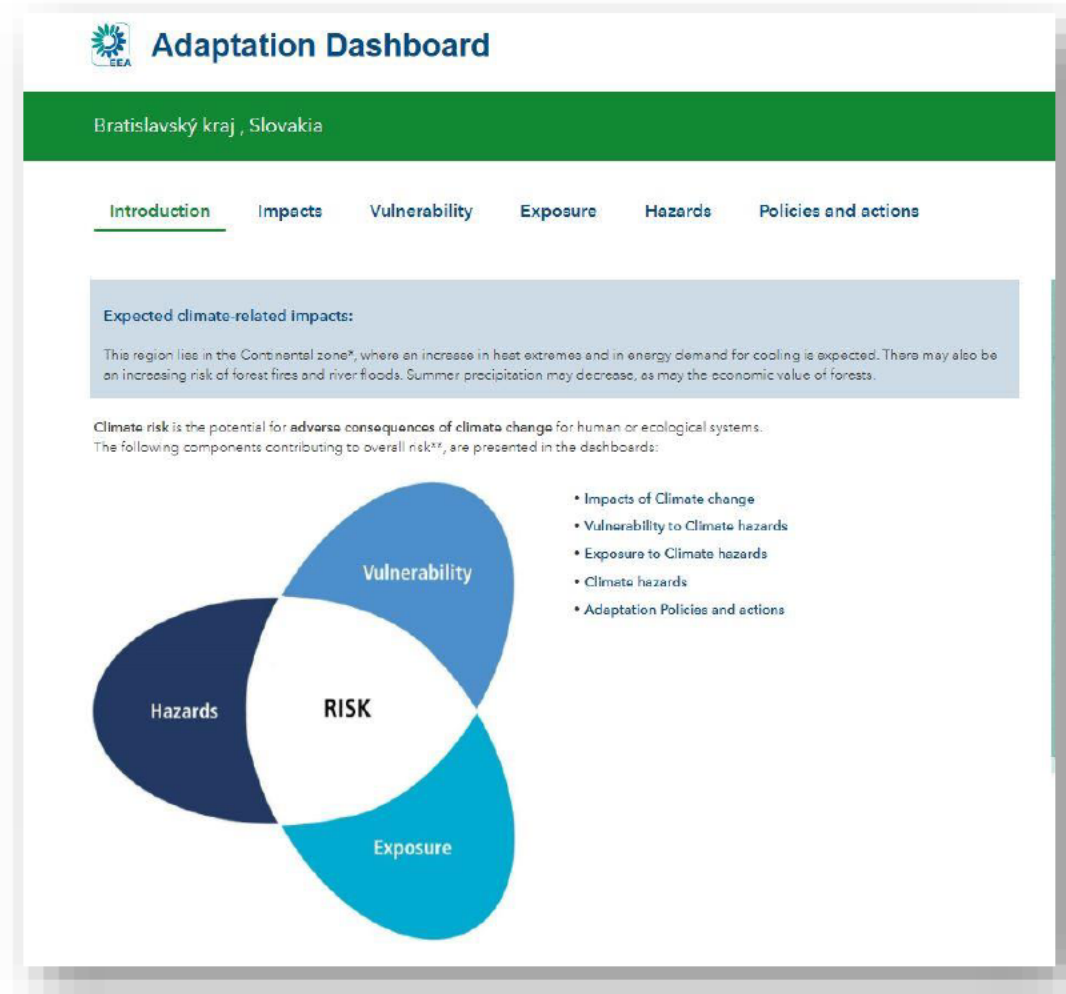
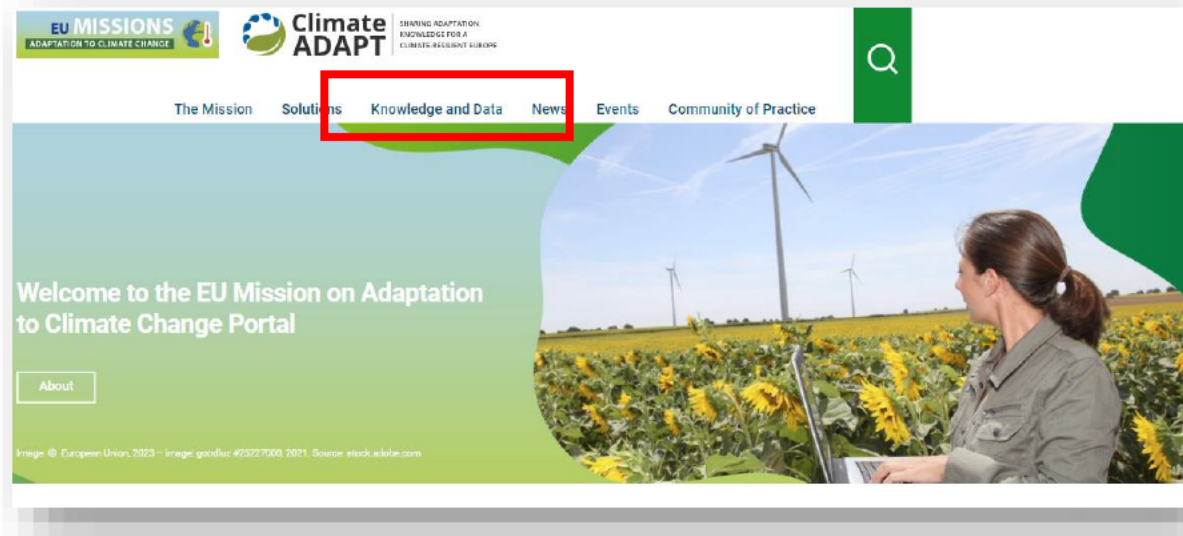


# Climate-ADAPT plays important role in supporting EU policies towards climate resilient society





# Action 1: Making climate and risk data accessible for local and regional adaptation

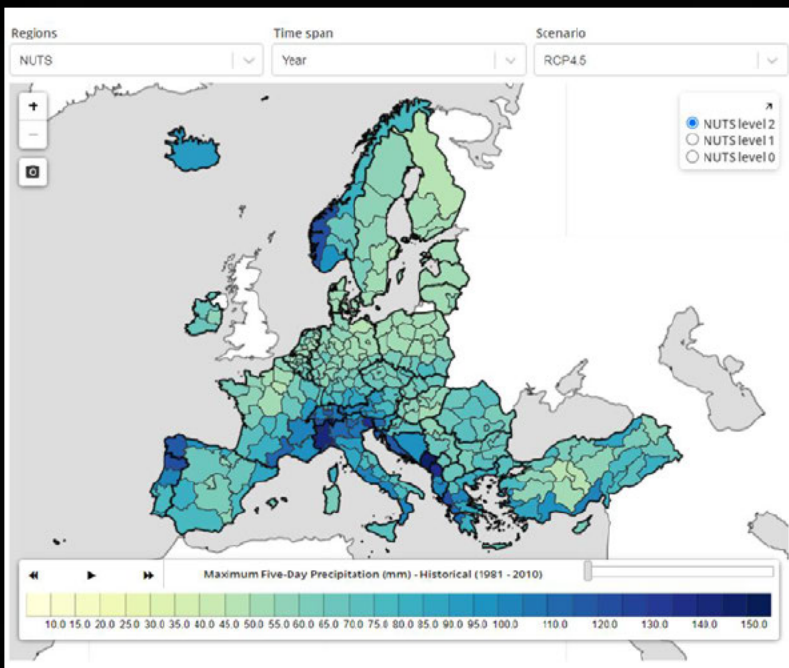


→ **Adaptation Dashboard**  
Accessible on EU Mission on adaptation Portal

## Data source: Climate-ADAPT - European Climate Data Explorer

Interface to indicators from Copernicus Climate Change Services (C3S) and ECMWF

- New : heating and cooling degree days, extreme precipitation days
- Data download available for subnational regions




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## Action 2: Is Europe on track: Make better use of reported [national adaptation policies](#)



CLIMATE ADAPT

CLIMATE ADAPTATION  
 ACTION TOOL FOR A  
 CLIMATE-RESILIENT EUROPE

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KNOWLEDGE -

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## Country Profiles

Select a country to go directly to the country profile



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Choose a country:  
Germany

### Information on national adaptation actions reported under the Governance Regulation

Reporting updated until: 2023-04-26

Item	Status	Links
Meteorological observations	Established	<a href="#">DWD Deutscher Wetterdienst</a>
Climate projections and services	Established	<a href="#">DWD Deutscher Klimadienst</a>
Adaptation portals and platforms	Established Established Established	<a href="#">Klimo Portal</a> <a href="#">Competence center KlimPass</a> <a href="#">Zentrum KlimaAnpassung</a>
Monitoring, reporting and evaluation (MRE) indicators and methodologies	Established Established	<a href="#">Methodology for the evaluation of the German adaptation strategy</a> <a href="#">Methodology for the evaluation of the German adaptation strategy</a>
Key reports and publications		<a href="#">First Progress Report</a> <a href="#">Second Progress Report on the German Strategy for Adaptation to Climate Change (DAS)</a> <a href="#">2019 Monitoring Report</a> <a href="#">Methodology for the evaluation of the German adaptation strategy</a> <a href="#">Politikanalyse zur Evaluation der Deutschen Anpassungsstrategie an das Klimawandel (DAS) - Evaluationsergebnisse</a> <a href="#">Climate Impact and Risk Assessment 2021 For Germany (Summary)</a> <a href="#">German Strategy for Adaptation to Climate Change</a>
National communication to the UNFCCC		<a href="https://unfccc.int/NCA">https://unfccc.int/NCA</a>
Governance regulation adaptation reporting		<a href="#">2021 Art. 15 (1) reporting</a> <a href="#">2023 Art. 17 (2)(b) reporting</a> <a href="#">2023 Art. 15 (1) reporting</a>

In March 2023, EU Member States under the Union and Climate Action and in line with countries that are not EU Member States Türkiye did so in 2021.

The Climate-ADAPT country profile provides information along with a [link](#) to the public consultation.

The two thematic maps above illustrate the formal status in the country.

## Country Profiles

## Decarbonisation - Adaptation

Information reported under the Governance Regulation

In 2023, EU Member States reported for the first time on the status of the integrated national energy and climate plans (INECP). The progress reporting is biennial and covers, among others, the Decarbonisation - Adaptation:

- Adaptation goals in integrated national energy and climate plans
- Information on adaptation which may affect the delivery of Energy Union long-term Union greenhouse gas emission reduction commitments under the Decarbonisation - Adaptation

The conditions of this progress reporting are defined under Article 17 of the Regulation on the Governance of the Energy Union and Climate Action (2018/1999) and in Annex III of the second Commission Implementing Regulation (2023/1701).

The Decarbonization - Adaptation dashboard showcases country specific information as of 30 September 2023.

### Country Overview

The map below illustrates information reported by EU Member States on the integrated national energy and climate plans. Country specific information can be filtered from the tab below, or by selecting a country from the map.

AT ES EG CY CZ DE DK EE EL ES FI FR GR HU IE IT LT

■ Yes - Adaptation goal included in the current INECP ■ No - Adaptation goal not included in the current INECP

© 2023 Mapbox © OpenStreetMap

### Country Overview

The map below illustrates information reported by EU Member States on the inclusion of adaptation goals in the current integrated national energy and climate plans. Country specific information can be displayed by selecting one or more countries from the tab below, or by selecting a country from the map.

AT BE BG CY CZ DE DK EE EL ES FI FR GR HU IE IT LT LU LV MT NL PL PT RO SE SI SK EU27

■ Yes - Adaptation goal included in the current NECP ■ No - Adaptation goals not included in the current NECP

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### Adaptation Goals

To find out more about adaptation goals included in the integrated national energy and climate plans visit the website of the European Commission, where all EU Member States NECPs are available. To access the website, click on the tab 'National energy and climate plans' at the bottom of the dashboard. In addition, EU Member States reported other documents containing adaptation goals. The overview of these documents is displayed below in the table. To access each document, simply click on either the title or description.

Country	Title	Description	
Netherlands	Delta Programme	Please note that the date above refers to the original decree establishing the Delta Commission, which anticipated the subsequent Deltawet. The first Delta Programme was presented in September 2010 and is updated yearly. The link provided is to the latest iteration of the Delta Programme (available in English), which provides a detailed overview.	
	National Climate Adaptation Strategy	The National Climate Adaptation Strategy (NAS) was presented to the House of Representatives in December 2015. It also met the European Commission's request for Member States to produce a climate adaptation strategy no later than 2017. For the detailed overview, please see the NAS (available in English) using the link below.	

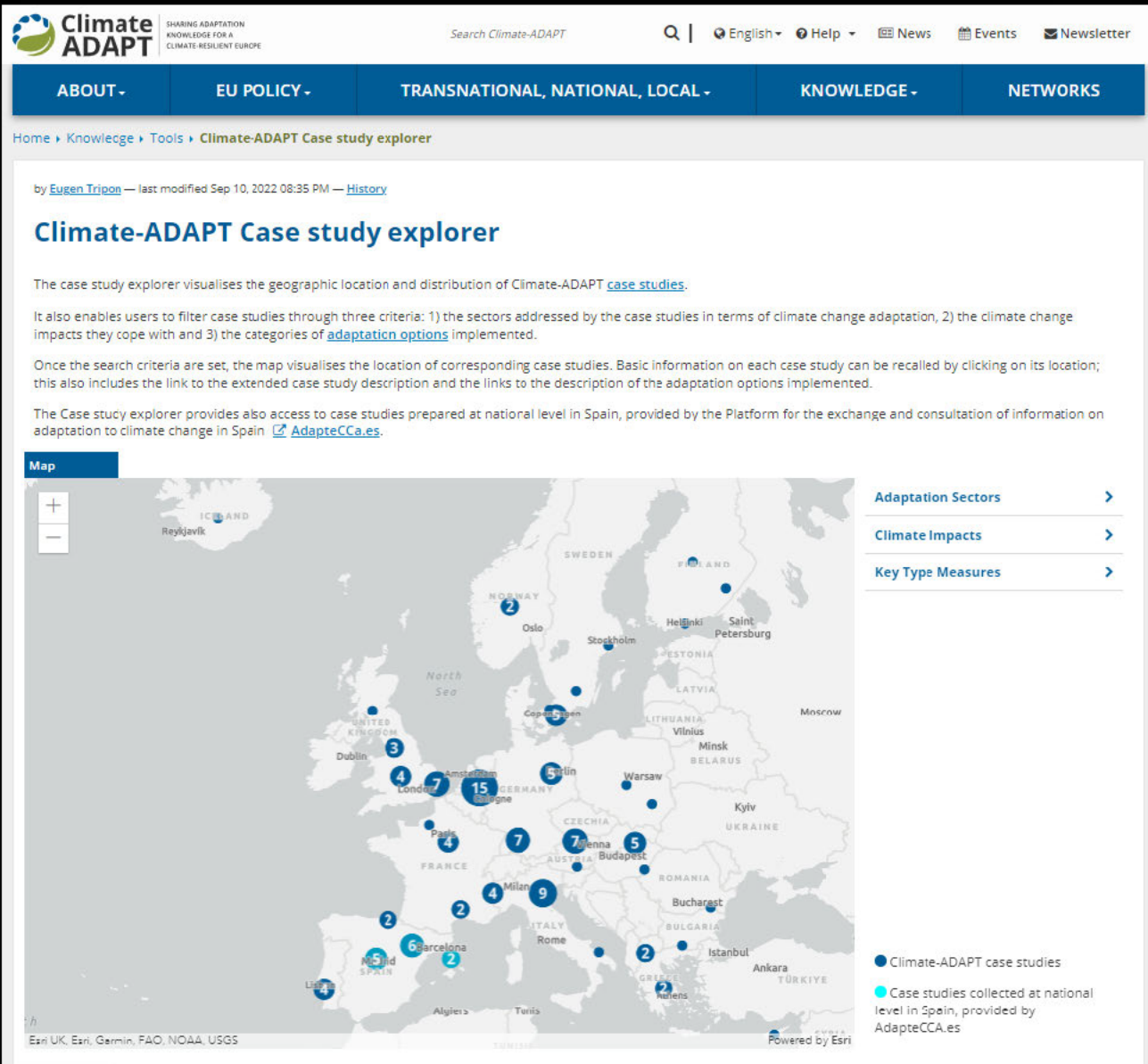
## [Decarbonisation - Adaptation dashboard](#)

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# Action 3: Unfolding the learning potential of case studies and adaptation options



Showing how to practically implement adaptation policies

- 2) New type: enabling factors - governance case studies
  - 2) Updating of individual case study content over time
  - 2) Showing hidden content of Climate-ADAPT case studies
- new filter 'Adaptation approaches':


- Monitoring, Reporting and Evaluation (MRE)
- Nature-based solutions
- Just resilience
- Synergies with mitigation
- Environmental aspects
- Economic aspects
- Societal aspects
- Cost-benefit analysis
- Replication/upscaling potential

2) Improving content and design of adaptation options

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[Infectious diseases](#)
[How prepared are we?](#)

## Extreme summer weather in a changing climate: is Europe prepared?


As our climate changes, the weather is becoming more extreme. The European Environment Agency looks at what might happen this summer; the impact of past weather events; what we can expect in the long term; and how prepared we are as a society.

Recent examples of the impact of extreme weather




**Summer of heatwaves in 2022**

Unprecedented heatwaves in south-western Europe led to tens of thousands of deaths in 2022.




**Devastating floods in 2021**

Extreme rainfall in July 2021 caused 227 deaths and damages amounting to nearly EUR60 billion.



**Disastrous droughts and wildfires in 2022**

Dry and hot conditions affected harvests in Europe and wildfires burned over 5,000 km<sup>2</sup>.



**Dengue outbreaks in 2022**

Exceptionally warm weather in 2022 increased the number of Dengue outbreaks in France.

Weather- and climate-related extremes caused economic losses estimated at EUR560 billion in the EU between 1980 and 2021, of which only EUR170 billion (30%) were insured. Nearly 195,000 fatalities have been caused by floods, storms, heat- and coldwaves, forest fires and landslides.



- Who at risk by which past extreme events/impacts, future projections, losses,
- Societal preparedness (policies, initiatives, inspiring examples)



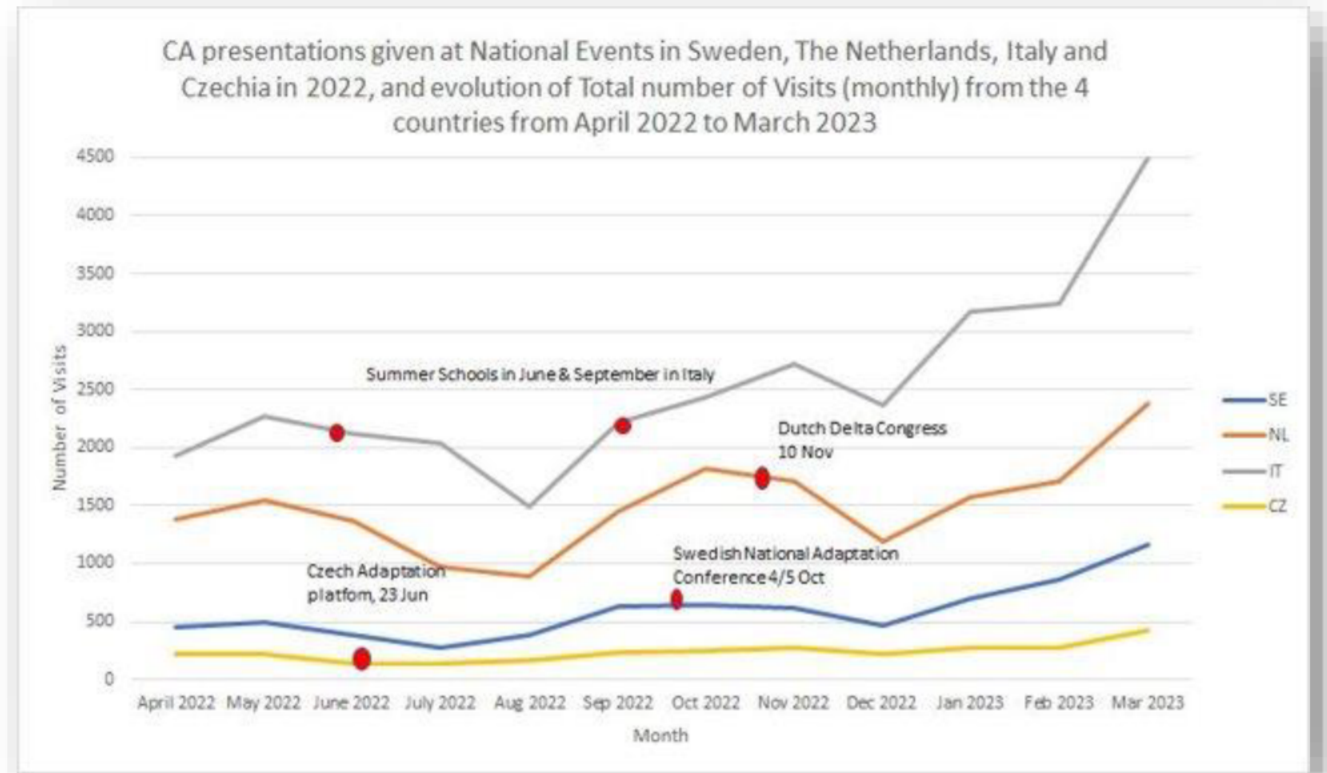
# Action 5: Multilanguage versions and direct contact to users to increase our impact

## Lowering the barrier for using the platform and sharing content

- Currently 5 Multi-language versions (automatic translation)
- By mid 2024: all official EU languages

## Reaching out directly to users at national levels

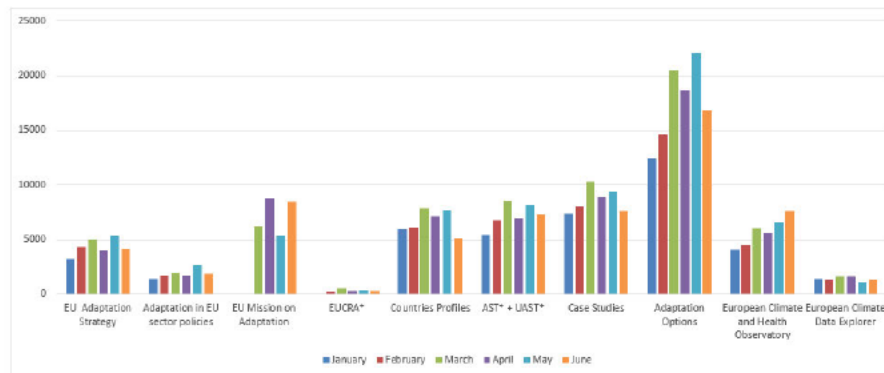
- Presented in 13 out of 27 EEA Member countries, together with national governments





# Action 6: Understanding and reacting on use numbers - 2024 platform evaluation

Evolution of page views of the Climate-ADAPT core content (monthly basis)



Page views (monthly basis)

26017 | 11351 | 28859 | 1661 | 39808 | 43111 | 51625 | 104999 | 34314 | 8433

Evolution of page views of Climate-ADAPT core content in the period 1 January – 30 June 2023.  
\*AST = Adaptation Support Tool; EUCRA = European Climate Risk Assessment; UAST = Urban Adaptation Support Tool

## Snapshot: current situation

(Page views 1/2023-6/2023):

- Adaptation options surprisingly well visited
- Case studies second, but only half the visits
- Adaptation in economic sectors comparable low

## Development over time

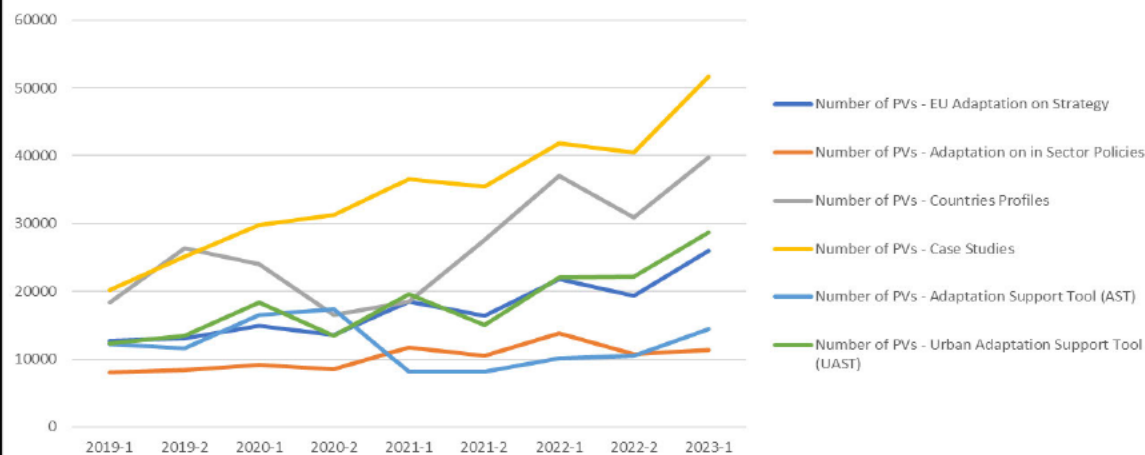
(Page views 2019-2023, per semester)

- Case studies, country (policy) profiles increasing
- Urban Adaptation Support Tool (UAST)/EU Adaptation on Strategy page increasing as well
- Adaptation Support Tool (AST) and Sector policies lagging behind in growth

## Geographic background

- Share of users: Europe 53.1, Asia 18.7

Total Number of PVs of key menu items, each semester during period 2019-2022





# Lessons learnt on Climate-ADAPT for adaptation in Europe

## Informing multi-level governance of adaptation is key for success

### Sharing a knowledge base:

- Complementary work with transnational regions, countries, sectors
- Considering maintenance to avoid performance problems

### Uptake of knowledge:

- Knowledge in national languages prerequisite for local levels engagement
- Active dissemination and promotion indispensable
- Transparency in platform development helps to maintain a network of users and providers
- Regular evaluation of platforms to ensure fulfilling user needs

### Supporting collaboration among sectors/across governance levels

- Investment of economic sectors into specific sub-platforms successful to engage sectoral actors
- Policy framework helpful, but not automatic success for informing policy and practice for climate resilience



EEA/Eionet Meeting 1 March 2023, Copenhagen



**Climate-ADAPT**

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

**EU Mission on Adaptation to  
Climate Change Portal:**

<https://climate-adapt.eea.europa.eu/en/mission>

**Feedback/questions:**

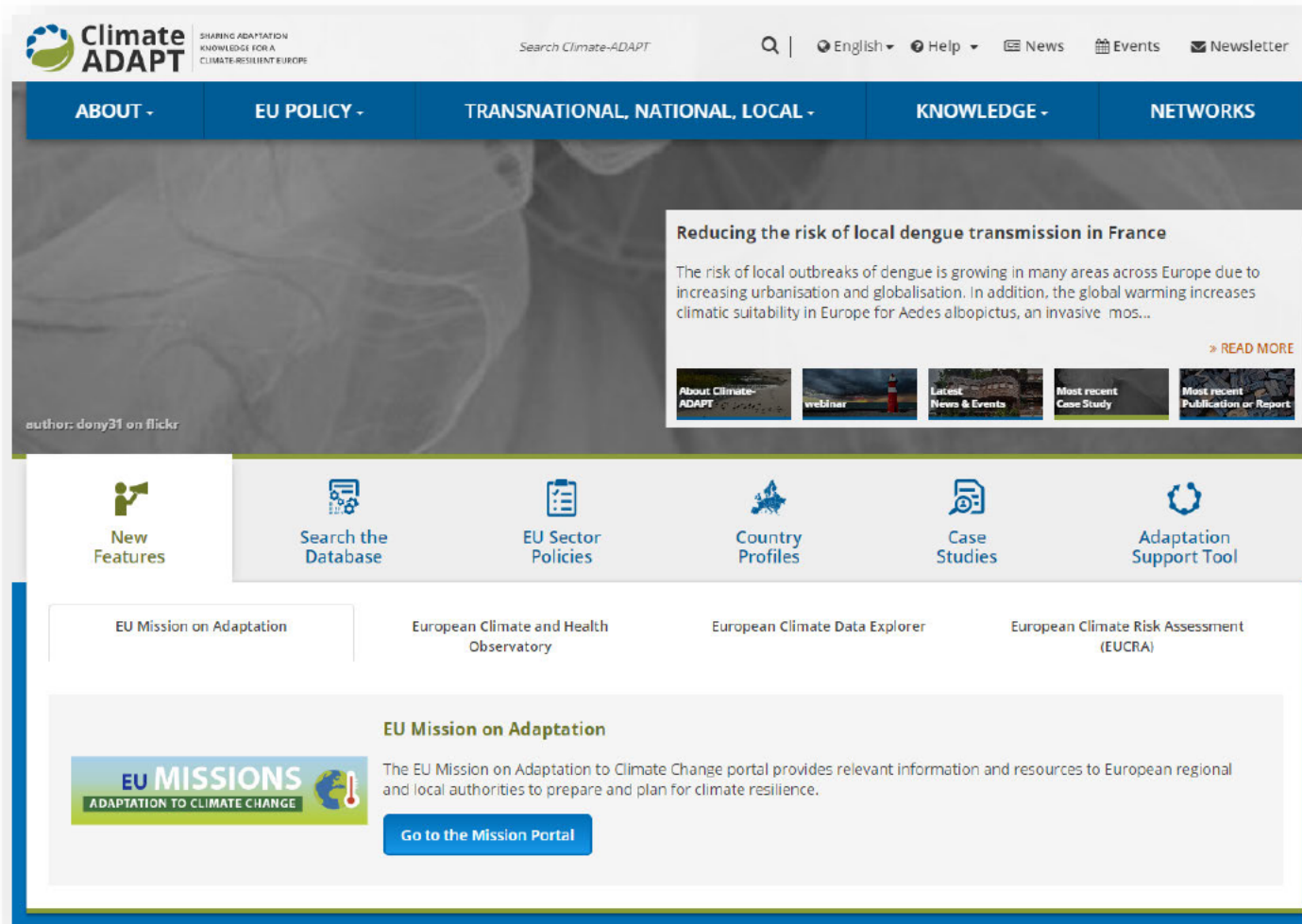
[climate.adapt@eea.europa.eu](mailto:climate.adapt@eea.europa.eu)

**Save the date:**

Next Climate-ADAPT webinar

**24 Januar 2024**

[Weblink to registration](#)



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