



14th Climate-ADAPT Webinar
Online, 24 January 2024, 10:00-11:30 CET

New dashboards for adaptation policies, planning and implementation

European Environment Agency
Supported by the European Topic Centre on Climate Change Adaptation and LULUCF (ETC/CA)

14th Climate-ADAPT Webinar

WELCOME!

Housekeeping rules



Due to the large number of participants, microphones will be muted, and cameras switched off (by default).

Please use the chat for questions, comments, feedback.



The meeting will be recorded.

By staying in this meeting, you allow us to record the session.

Agenda

- 10:00 **Welcome**
- 10:05 **Topic I Informing the implementation of key EU Adaptation policies**
Feedback, questions, answers
- 10:35 **Topic II Better access to information on national adaptation policies**
Feedback, questions, answers
- 10:45 **Topic III Boosting adaptation with new and updated Climate-ADAPT tools and knowledge**
Feedback, questions, answers
- 11:05 **Topic IV Towards a new Climate-ADAPT Strategy beyond 2024**
- 11:30 **End of the Meeting**

Welcome

Peter Loeffler,
*European Commission,
DG Climate Action*

Blaz Kurnik,
*Head of group Climate change
impacts and adaptation
European Environment Agency*

The screenshot shows the Climate-ADAPT website. At the top left is the logo with the tagline "SHARING ADAPTATION KNOWLEDGE FOR A CLIMATE-RESILIENT EUROPE". A search bar and navigation links for "English", "Help", "News", "Events", and "Newsletter" are on the right. A blue navigation bar contains "ABOUT", "EU POLICY", "TRANSNATIONAL, NATIONAL, LOCAL", "KNOWLEDGE", and "NETWORKS". The main content area features a featured article titled "Reducing the risk of local dengue transmission in France" with a "READ MORE" link. Below this are five small thumbnail images. A horizontal menu with icons includes "New Features", "Search the Database", "EU Sector Policies", "Country Profiles", "Case Studies", and "Adaptation Support Tool". Below this menu are four boxes: "EU Mission on Adaptation", "European Climate and Health Observatory", "European Climate Data Explorer", and "European Climate Risk Assessment (EUCRA)". A large section for "EU Mission on Adaptation" includes a logo and a "Go to the Mission Portal" button.

Topic I Informing the implementation of EU adaptation policies

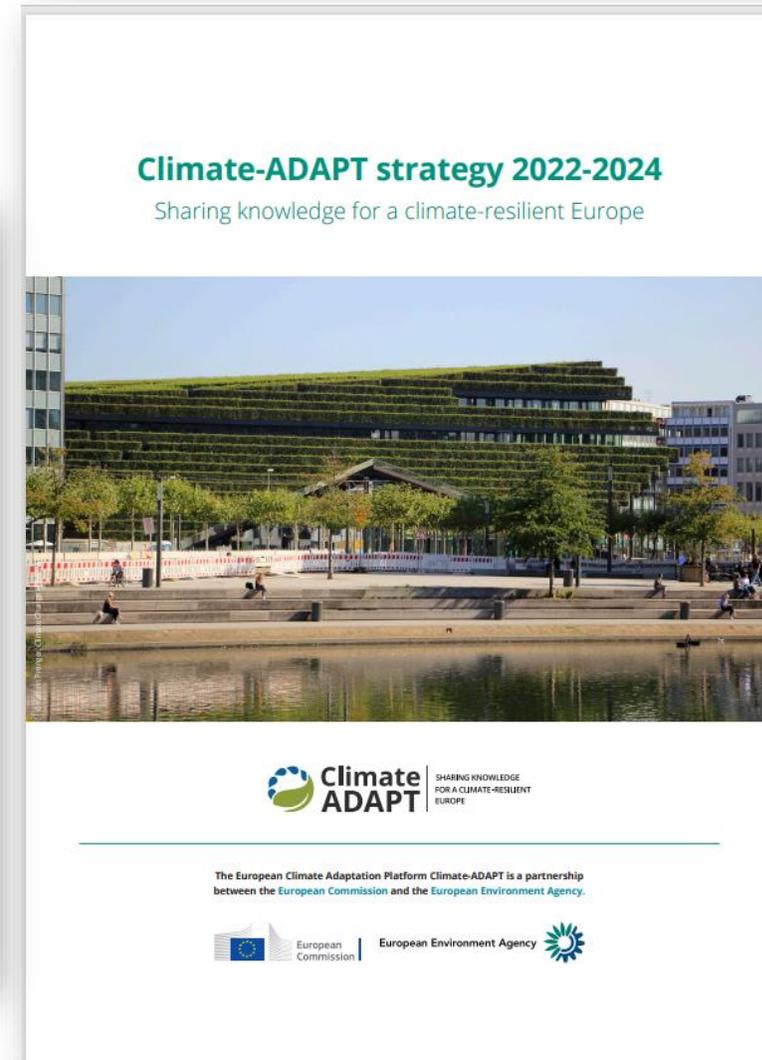
- **Climate-ADAPT in general**
- **European Climate Risk Assessment**
- **European Climate and Health Observatory**
- **EU Mission on Adaptation to Climate Change Portal**

The screenshot displays the Climate-ADAPT website interface. At the top left is the logo for Climate ADAPT, with the tagline 'SHARING ADAPTATION KNOWLEDGE FOR A CLIMATE-RESILIENT EUROPE'. A search bar and utility links for English, Help, News, Events, and Newsletter are on the top right. A blue navigation bar contains the following menu items: ABOUT, EU POLICY, TRANSNATIONAL, NATIONAL, LOCAL, KNOWLEDGE, and NETWORKS. The main content area features a featured article titled 'Reducing the risk of local dengue transmission in France' with a 'READ MORE' link. Below this are several small thumbnail images for 'About Climate-ADAPT', 'webinar', 'Latest News & Events', 'Most recent Case Study', and 'Most recent Publication or Report'. A horizontal bar with icons and labels provides quick access to 'New Features', 'Search the Database', 'EU Sector Policies', 'Country Profiles', 'Case Studies', and 'Adaptation Support Tool'. A red-bordered box highlights a section containing four links: 'EU Mission on Adaptation', 'European Climate and Health Observatory', 'European Climate Data Explorer', and 'European Climate Risk Assessment (EUCRA)'. Below these links is a banner for the 'EU MISSIONS ADAPTATION TO CLIMATE CHANGE' portal, which includes a description and a 'Go to the Mission Portal' button.

Implementing the 2022-2024 Climate-ADAPT Strategy

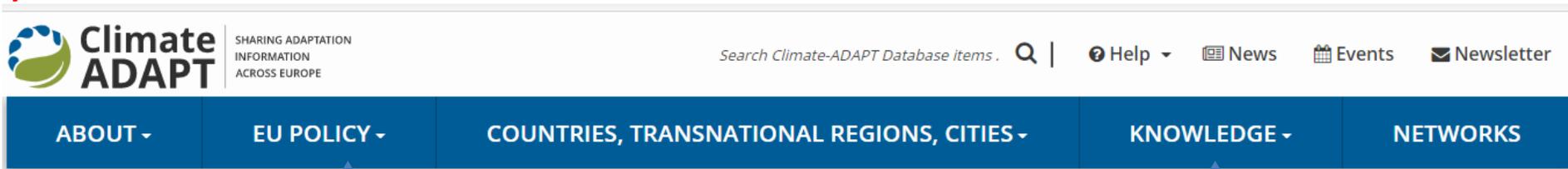
Table 1 Milestones and priority actions of the 2022-2024 Climate-ADAPT strategy

Year	Priority objectives	Milestone	Priority action
2022	Empowering people for action at multiple levels	Providing Climate-ADAPT in the EU national languages	Implementing the EU eTranslation tool on Climate-ADAPT
2023	Promoting solutions for action Driving regional and community resilience	Supporting participants in the EU mission on adaptation to climate change with new knowledge and subnational-level solutions	Making the EU 'mission knowledge hub' operational
2024	Providing trusted data and information Promoting solutions for action Empowering people for action at multiple levels Supporting international adaptation action and exchanges	Providing substantial support for implementing adaptation measures in EEA member countries through coherent and mutually supportive knowledge provided on adaptation platforms on Climate-ADAPT and at national levels	Fully implementing links to transnational, national and subnational adaptation platforms, as well as connecting and developing interoperability with relevant resources on climate impacts at the EU level
	All objectives	Assessing Climate-ADAPT's achievements until 2024 and identifying lessons learned	Undertaking an in-depth evaluation of Climate-ADAPT



July to December 2023: Climate-ADAPT updates

Continued migrating to a new Content Management System and to extend multilanguage sections (all official EU languages)



Faster adaptation

- Country profiles updated, based on 2023 National adaptation, reporting due to EU GovReg

More systemic adaptation

- **Knowledge resources searchable for 6 EU Sector policies**

Faster adaptation

European Climate Risk Assessment information updated
EU Mission on Adaptation to Climate Change Portal further developed
European Climate and Health Observatory

Smarter adaptation

Updates of

- **Impacts, risks and vulnerabilities information, European Climate Data Explorer**

Populating the forestry section with case studies
Extending and updating case studies and adaptation options

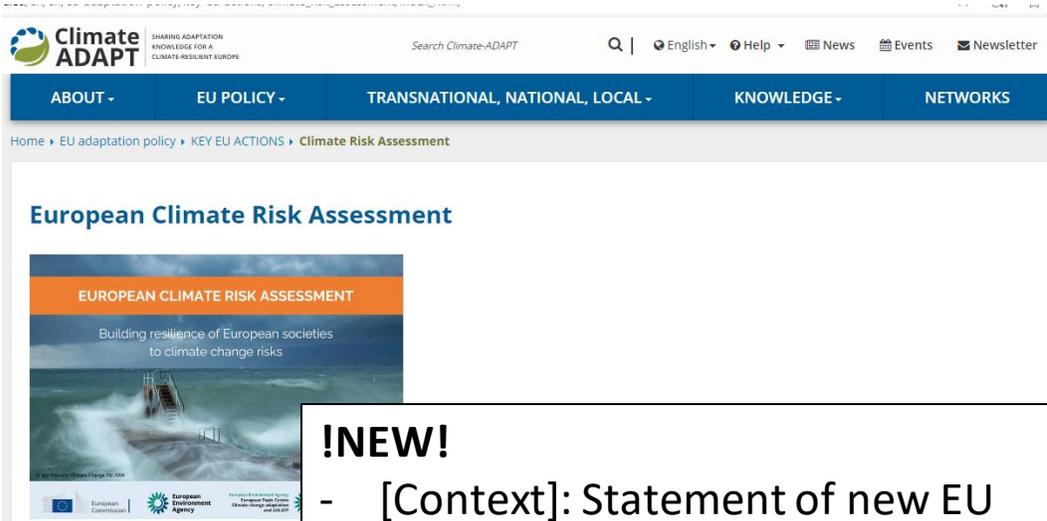


Kati MATTERN

European Environment Agency



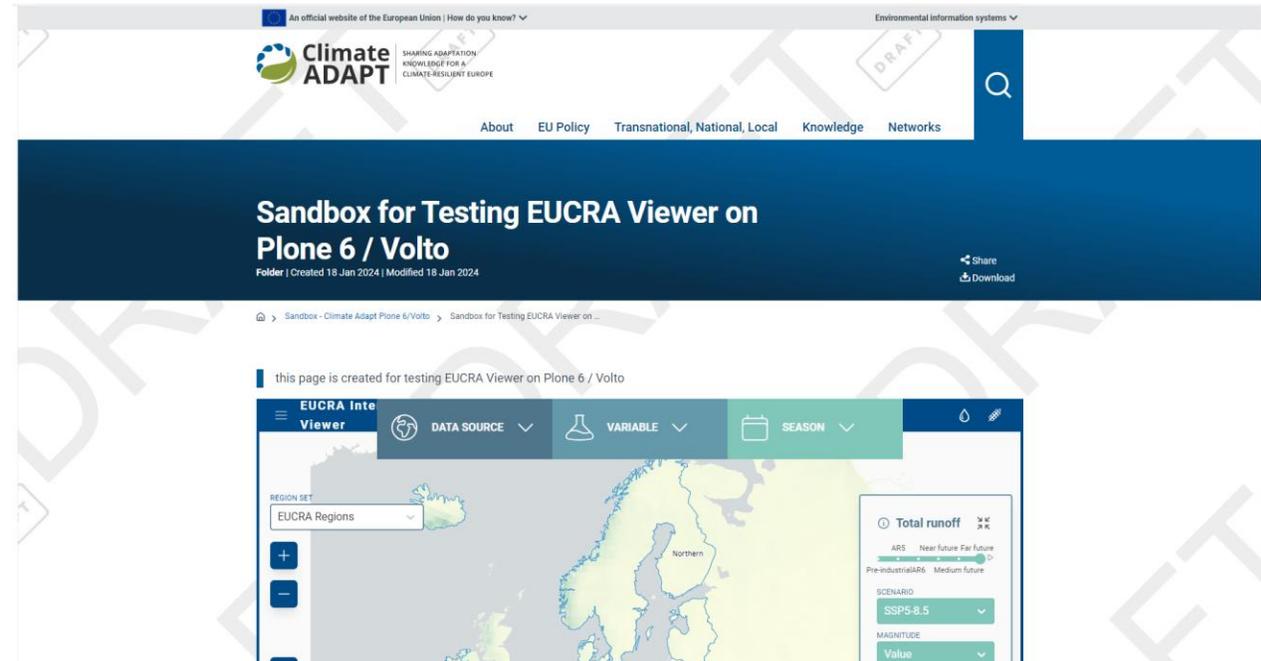
European Climate Risk Assessment



!NEW!

- [Context]: Statement of new EU Commissioner
- [Stakeholder]: Risk Review Panel
- [Partners]: institutes and URLs added
- [Structure]: details on report outline focusing on thematic factsheets and risk storylines
- [Process]: risk evaluation

COMING: EUCRA Viewer
To be published together with the EUCRA Report



European Climate and Health Observatory

About - Policy context - Evidence on climate and health - Resource catalogue - Publications and outreach -

European Climate and Health Observatory

We provide easy access to a wide range of relevant publications, tools, websites and other resources related to climate change and human health.

DISCOVER THE MAIN TOPICS AND TOOLS OF THE OBSERVATORY

 NEW AIR POLLUTANT FORECAST VIEWERS View forecasts of air pollutant concentrations, which could be affected by climatic changes NO2 PM2.5 PM10	 INDICATORS View climate and health indicators from different trusted information providers Learn More	 COUNTRY PROFILES See how countries are addressing climate change adaptation in public health Learn More	 RESOURCE CATALOGUE Search and access the Observatory's database containing case studies, publications, indicators, research projects and other Learn More
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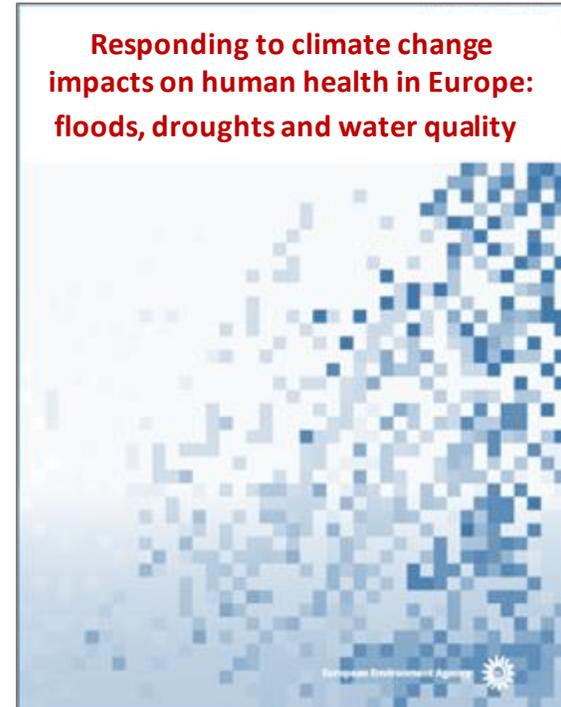
Piotr Kwatka, REDISCOVER Nature/EEA

New partner



Spring 2024:
Report on health impacts and responses -
focus: water

Responding to climate change
impacts on human health in Europe:
floods, droughts and water quality



European Environment Agency



European Climate and Health Observatory

New evidence pages

Occupational health and safety



Expected exposure related to climate change

- Increasing temperatures
- Extreme weather events
- UV radiation
- Vector-borne diseases

Impacts on workers

Outdoor workers

- At the highest risk are those who do **intense physical work in direct exposure to sunlight and heat**
- Heat stress** is the most important risk, which may lead to increased **internal body temperature, dehydration, mental fatigue, physical exhaustion, heat stroke and collapse**
- UV radiation** exposure increases the risk of **skin cancer** and **impaired motor-cognitive performance**
- Wider spread of **pathogens and disease vectors** increases the **biological risk** for workers
- Extreme weather** events expose workers to **dangerous working conditions**, which increases the risk of **infectious diseases, accidents and impaired mental health**
- Sectors at risk include **agriculture, forestry, fisheries, construction, mining and quarrying, transport and maintenance and utilities supplies**

Indoor workers

- At the highest risk of **increased heat stress** are those who work in **poorly cooled buildings** or in settings with high **industrial heat production**, carry out **heavy physical work** or must use **protective personal equipment**
- High indoor temperatures, combined with poor air quality, may lead to **decreased cognitive capacities**
- Health care workers' use of **protective equipment in hot conditions** can contribute to **heat stress**, while the **high demand and stressful conditions** during extreme events may increase **physical and mental health risks**

Policy responses

- European Framework Directive on Safety and Health at Work (89/391 EEC):** workplace risk assessment and preventive measures to protect workers
- European Directive on biological agents at work (2000/54/EC):** workplace risk assessment and preventive measures to protect workers to exposure to biological agents
- National legislation and/or recommendations
- Guidelines on action plans and measures

Water- and foodborne disease webpages

Climate sensitivity



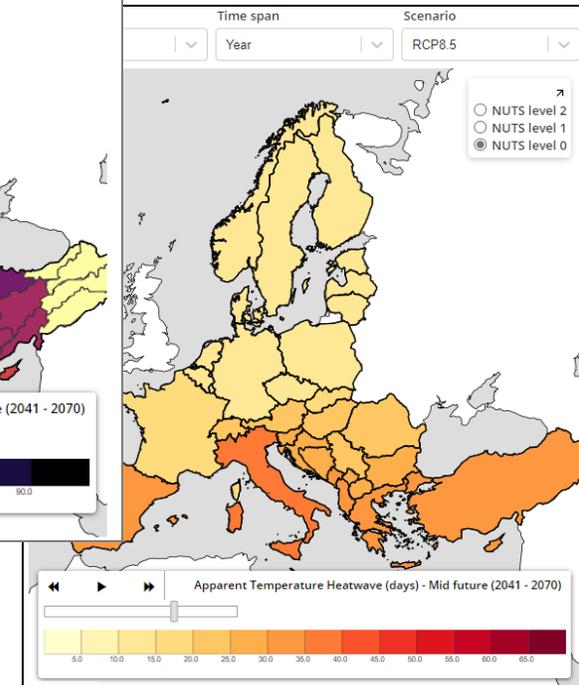
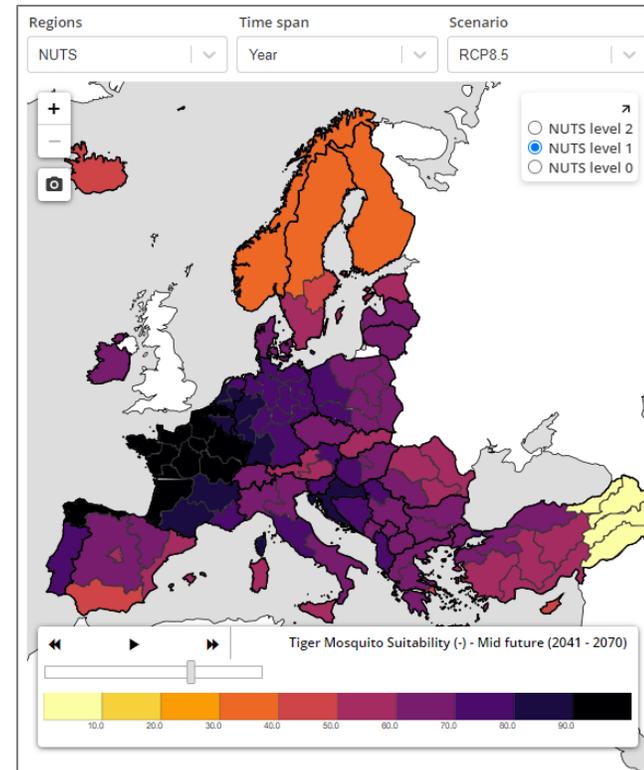
st relevance to human health prefer temperatures between :
eria can also survive outside of an animal's body. In aquatic
ommunities) are highest at temperatures between 10 and 15

In Europe, infections occur throughout the year, but peak sharply in summer, between June and August of the year, often in January (ECDC, 2017-2022). The timing and intensity of the summer peak vary

- Climatic suitability
- Seasonality
- Climate change impact

New and updated indicators

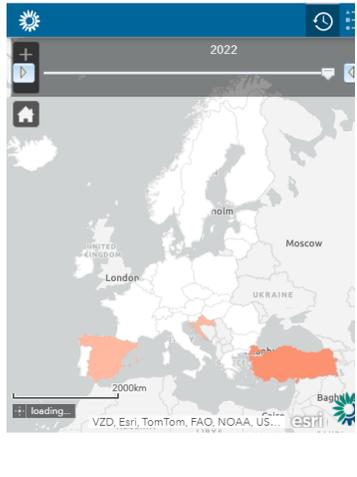
- *Climatologic & apparent T heatwave days*
- *Tropical nights*
- *Tiger mosquito climate suitability & season length*



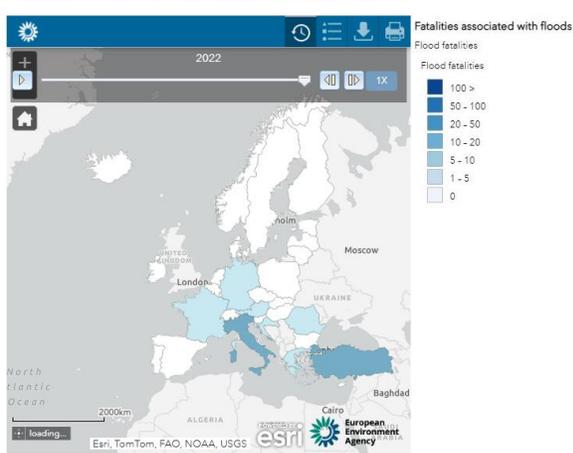
New and updated viewers

- **Fatalities due to wildfires and flooding**

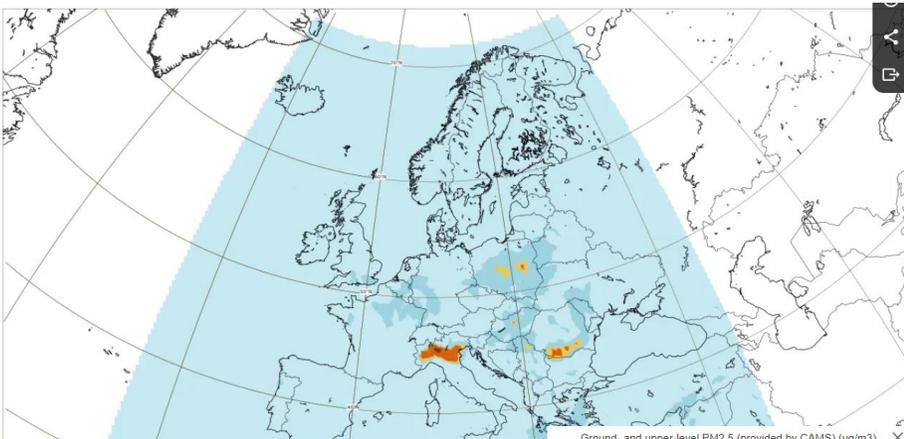
Fatalities associated with wildfires (1980-2022)



Fatalities associated with floods (1980-2022)



- **Ground-level air pollutant forecasts (PM2.5, PM10, NOx)**



New case study

Control of ciguatera poisoning in Canary Islands, Spain

by Chiara Castellani — last modified Jan 12, 2024 03:47 PM



© Juan Guerrero Jiménez

The surveillance system set up by the Canary Islands Government aims to remove certain fish containing ciguatoxins from the market and to improve the detection of ciguatera in humans. The case study illustrates benefits to artisanal fisheries and public health.

Ciguatera poisoning (CP) occurs when people consume fish containing ciguatoxins (CTXs) with a high toxicity level. CTXs are a type of marine biotoxins produced by certain microalgae (*Gambierdiscus* spp. and *Fukuyoa* spp.) accumulated by the marine food chain. Within Europe, CP from locally caught fish is largely limited to Macaronesia, but the toxic microalgae are also present in the Mediterranean where, under the changing climate and with warming

Policy context updates

- **Budapest Declaration**

Budapest Declaration: accelerating action for healthier people,

Adopted on 6 July 2023 by health and environment ministers of the countries of the WHO Europe, the Declaration prioritizes urgent, wide-ranging action on health challenges related to this triple crisis, and sustainable societies. By adopting the Budapest Declaration, countries have committed to tackling air pollution, sanitation and hygiene services, integrating nature and biodiversity considerations into policies, and strengthening commitments targeted health systems.

The Declaration promotes health sector engagement in climate change and makes the case for stronger commitment is the development, update and implementation of health national adaptation plans, and planning efforts. The second edition of the paper **Zero regrets: scaling up action on climate change** launched at the 7th Ministerial Conference on Environment and Health in Budapest, provides a backbone on climate change and health embodied in the Declaration through a portfolio of high-level asks and

EU Mission on Adaptation to Climate Change Portal



Mission Portal

- Knowledge, guidance, tools, updates supporting the EU Mission on Adaptation to Climate Change
- Launched in April 2023
 - General information about the Mission
 - Mission News and Events
 - Community of Practice
 - 1st version of the Adaptation Dashboard
- Ongoing progress but a revamped version by the 3rd Mission Forum in May 2024

Featured



Weblink Adaptation Dashboard:

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

EU Mission on Adaptation to Climate Change Portal

Updated resources under 'Knowledge and Data' tab

Regional Adaptation Support Tool

The Mission Solutions **Knowledge and Data** News Events Community of Practice

Regional Adaptation Support Tool

Share Download

Knowledge and Data Regional Adaptation Support Tool

Getting Started

Are you a regional or local authority seeking practical guidance on how to develop, implement or evaluate your plan(s) for adapting to climate change?

The Regional Adaptation Support Tool (RAST) provides guidance on each of the **six main steps** that you need to consider during the adaptation planning process. In its design, the RAST is based on the Adaptation Support Tool and the Urban Adaptation Support Tool.

Along the way, the RAST introduces the relevant sources of data, further guidance, and tools that you may find useful. It will be updated periodically in response to new research findings and feedback from regional and local authorities, and to take account of latest developments and information available.

1. Preparing the ground for adaptation
2. Assessing climate change risks and vulnerabilities
3. Identifying adaptation options
4. Assessing and selecting adaptation options
5. Implementing adaptation
6. Monitoring and evaluating adaptation



New version to be launched by the 3rd Mission Forum in May 2024

Adaptation Dashboard for regions (update)

The Mission Solutions **Knowledge and Data** News Events Community of Practice

Adaptation Dashboard

GO TO

To begin, choose a region or a local authority

Local authorities that signed the Mission charter
Other regions
Regions that signed the Mission charter

Choose region or local authority



New improved version in April 2024

Link to C-A resources

The Mission Solutions **Knowledge and Data** News Events Community of Practice

Search the Climate-ADAPT database

Knowledge and Data Search the Climate-ADAPT database

The Climate-ADAPT platform includes a database that contains quality checked information that can be easily searched to inform policymakers and the public. Browse the products below, or search the full Climate-ADAPT database.

Search with a keyword...

Or search by

Types	Countries
Adaptation option (58 items)	Organisation (139 items)
Case study (123 items)	Publication reference (1014 items)
Guidance (147 items)	Research and knowledge project (525 items)
Indicator (90 items)	Tool (96 items)
Information portal (212 items)	Video (43 items)

Show all 2447 documents



More resources tailored to the Mission to come

EU Mission on Adaptation to Climate Change Portal

New Resources under 'Solutions' tab

Mission Stories (7 stories)

The Mission Solutions Knowledge and Data News Events Community of Practice

Mission Stories

Share
Download

Solutions > Mission Stories

Mission Stories showcase real-life examples of regional or local actions and good practices regarding the planning, funding, implementing and monitoring of climate adaptation solutions. They aim to inspire others to take action on climate adaptation.

While both the Mission Case Studies and the Mission Stories are about sharing experiences, Mission Stories are shorter and more accessible. Mission Case Studies offer a more extensive and thorough analysis of adaptation experiences in Europe.

Mission Story	Country	Climate Hazards	Sector
Staying cool during increasingly hot weather. Climate-resilient buildings in Stiefingtal, Austria	Austria	Extreme temperatures	Construction
Building heat resilience in Zagreb, Croatia. Embracing Nature-Based Solutions to cope with heat waves amid urbanisation and climate change	Croatia	Extreme temperatures	Urban
Refreshing the city of Toulouse, France: Agile experimentation based on 30 actions to adapt to extreme heat.	France	Strong winds, extreme temperatures and drought	Urban



More attractive page with more Mission Stories by 3rd Mission Forum in May 2024

Mission Case Studies (1 case study)

The Mission Solutions Knowledge and Data News Events Community of Practice

Solutions > Mission Case Studies



Mission Case Studies highlight useful practices and transformative solutions at various scales and geographical locations, focusing on meeting the Mission's needs and objectives.

They are being developed in strong collaboration with regions and local authorities, drawing on their experiences and lessons learned from their engagement in the EU Mission on Adaptation to Climate Change. The case studies facilitate knowledge sharing and foster collaboration among authorities involved in climate adaptation endeavours. The structure of the Mission Case Studies is based on those offered on Climate-ADAPT.

While both the Mission Case Studies and the Mission Stories are about sharing experiences, Mission Case Studies offer a more extensive and thorough analysis of adaptation experiences in Europe. Mission Stories are shorter and more accessible.



Valencian Collaboration Space

Valencian Collaboration Space: towards multi-level governance in support of the EU Climat...



More case studies to be published on C-A and the Mission Portal by 3rd Mission Forum in May 2024

European Environment Agency



Topic I Informing the implementation of key EU Adaptation policies

Feedback, questions, answers

The screenshot shows the homepage of the Climate ADAPT website. At the top, there is a navigation bar with the logo 'Climate ADAPT' and the tagline 'SHARING ADAPTATION KNOWLEDGE FOR A CLIMATE-RESILIENT EUROPE'. To the right of the logo is a search bar and several utility links: 'English', 'Help', 'News', 'Events', and 'Newsletter'. Below the navigation bar is a main menu with five categories: 'ABOUT', 'EU POLICY', 'TRANSNATIONAL, NATIONAL, LOCAL', 'KNOWLEDGE', and 'NETWORKS'. The main content area features a large background image of a person's face. A prominent article titled 'Reducing the risk of local dengue transmission in France' is displayed, with a brief summary and a 'READ MORE' link. Below the article are five small thumbnail images for 'About Climate-ADAPT', 'webinar', 'Latest News & Events', 'Most recent Case Study', and 'Most recent Publication or Report'. A row of six icons with labels is positioned below the thumbnails: 'New Features', 'Search the Database', 'EU Sector Policies', 'Country Profiles', 'Case Studies', and 'Adaptation Support Tool'. Further down, there are four boxes for 'EU Mission on Adaptation', 'European Climate and Health Observatory', 'European Climate Data Explorer', and 'European Climate Risk Assessment (EUCRA)'. At the bottom, there is a section for the 'EU Mission on Adaptation' featuring a logo and a 'Go to the Mission Portal' button.

Topic II Better access to information on national adaptation policies

- Update of the Climate-ADAPT country profiles, based on 2023 reporting under the Governance Regulation
- Extending the reporting obligations under the GovReg to the Energy Community

The screenshot shows the Climate-ADAPT website interface. The top navigation bar includes the logo, search bar, and links for English, Help, News, Events, and Newsletter. The main navigation menu has five items: ABOUT, EU POLICY, TRANSNATIONAL, NATIONAL, LOCAL (highlighted with a red box), KNOWLEDGE, and NETWORKS. Below the menu, the breadcrumb trail reads 'Home > Countries, regions and cities > Country Profiles'. The main heading is 'Country Profiles', followed by a dropdown menu 'Choose a country'. The central feature is a map of Europe with countries colored based on their reporting status. A legend titled 'Choose thematic map:' provides the key: a green circle for 'NATIONAL ADAPTION POLICY', a white circle for 'ADAPTATION PORTALS AND PLATFORMS', a dark blue square for 'National adaptation policy reported in 2023', a light blue square for 'National adaptation policy not reported beyond mandatory reporting in 2023', a light blue square for 'No data reported in 2023', and a grey square for 'Outside EEA coverage'. Small inset maps for Malta, Liechtenstein, and Luxembourg are also visible.

Topic II Better access to information on national adaptation policies

the European Union | How do you know? ▾

European Environment Agency

Topics Analysis and data Countries Newsroom



Is Europe on track towards climate resilience? Status of reported national adaptation actions in 2023

In March 2023, EU Member States were mandated for the second time to report their national adaptation actions under the Regulation on the Governance of the Energy Union and Climate Action. For the first time they also reported on adaptation aspects in the progress reports of their national energy and climate plans. Non-EU EEA member countries were invited to provide similar information on a voluntary basis. This briefing presents the current status of reported national adaptation actions across Europe, with an emphasis on recent developments and lessons learned since the reporting in 2021.

Published 24 Oct 2023 — Last modified 07 Nov 2023 — 27 min read — Photo: © Raphaël Quin

Choose a country:
Austria ▾

Information on national adaptation actions reported under the Governance Regulation

Reporting updated until: 2023-03-10

Item	Status	Links
National Adaptation Strategy (NAS)	• actual adaptation policy (adopted)	• Austrian Adaptation Strategy
National Adaptation Plan (NAP)	• actual adaptation policy (adopted)	• Austrian Action Plan
Meteorological observations	• Established	• GeoSphere Austria
Climate projections and services	• Established	• CCCA Data Centre
	• Established	• Climate Change Centre Austria (CCCA)
	• Established	• Latest Climate Projections
Adaptation portals and platforms	• Established	• Climate Change Adaptation Portal
Monitoring, reporting and evaluation (MRE) indicators and methodologies		
Key reports and publications		
National communication to the UNFCCC		
Governance regulation adaptation reporting		

[Country Profiles](#)

Overview of institutional arrangements and governance at the national level

- ▾ LEGAL AND POLICY FRAMEWORKS AND REGULATIONS
- ▾ CLIMATE VULNERABILITY AND RISK ASSESSMENT
- ▾ PLANNING, IMPLEMENTATION, MONITORING AND EVALUATION OF ADAPTATION POLICY
- ▾ INTEGRATION INTO ENVIRONMENTAL ASSESSMENT PROCEDURES
- ▾ INTEGRATION INTO DISASTER RISK MANAGEMENT
- ▾ COLLECTION AND OWNERSHIP OF DATA

[Is Europe on track towards climate resilience? Status of reported national adaptation actions in 2023](#)

Topic II Better access to information on national adaptation policies

CLIMATE AND ENERGY IN THE EU

Find information on the EU and its Member States' progress towards their 2030 targets on climate and energy

- HOME
- TOPICS
 - Climate change mitigation
 - Climate change adaptation
- COUNTRIES
 - Policies and measures
 - Energy
 - Transport
 - Ozone depleting substances
 - Climate finance
- CATALOGUE
- ABOUT



Decarbonization - Adaptation

Information reported under the Governance Regulation progress reporting



In 2023, EU Member States reported for the first time on the status of the implementation of their integrated national energy and climate plans (NECP). The progress reporting is biennial and covers, among other areas, the following information on Decarbonisation - Adaptation:

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

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 (2022/2299).

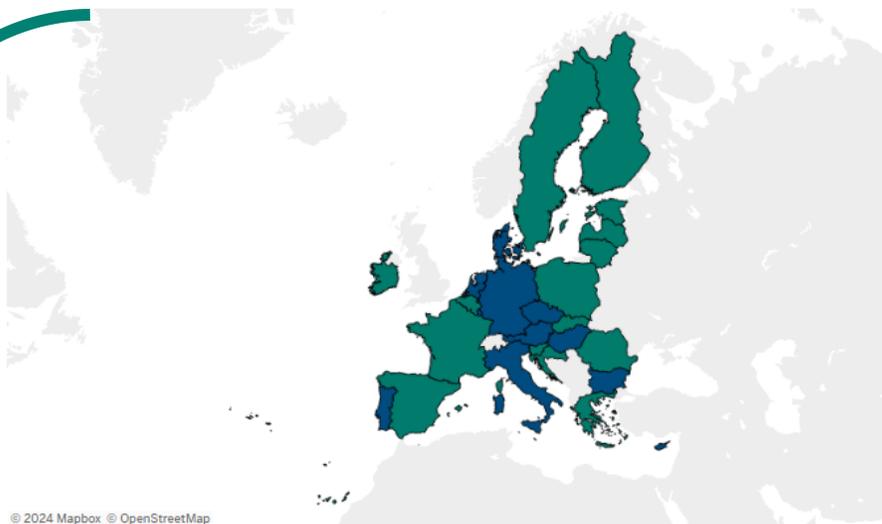
The Decarbonization - Adaptation dashboard showcases country specific information reported per EU Member State with a cutoff date of 30 September 2023.

Country Overview

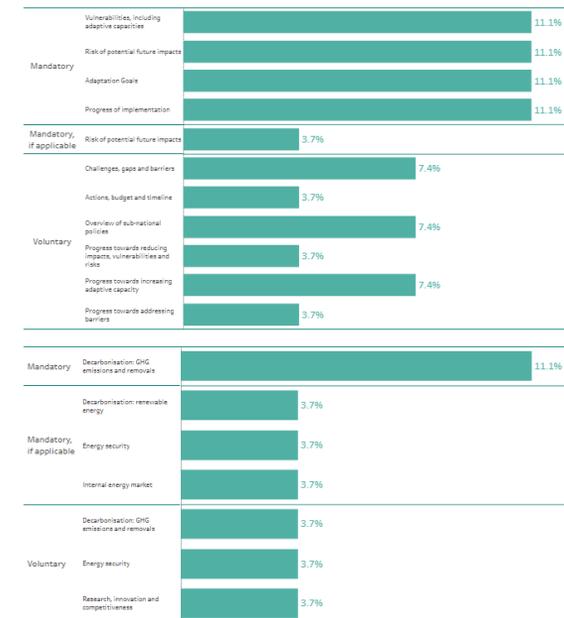
The map below illustrates information reported by EU Member States on the inclusion of adaptation goals in the current integrated national energy and climate plans. Country specific information can be displayed by selecting one or more countries from the tab below, or by selecting a country from the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

- AT
- BE
- BG
- CY
- CZ
- DE
- DK
- EE
- EL
- ES
- FI
- FR
- HR
- 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



© 2024 Mapbox © OpenStreetMap



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	
Germany	Climate Impact and Risk Assessment 2021 for German (KWRA)	This executive summary presents shortly the contents of the six sub-reports of the "Climate Impact and Risk Analysis 2021 for Germany", for which 102 climate impacts and 13 fields of action were investigated and assessed. The methodology and the basics of the projections as well as the generic adaptation capacity are addressed. The most important results for all 1...	
	German Strategy for Adaptation to Climate Change (DAS)	On December 17, 2008, the German Federal Cabinet adopted the German Strategy for Adaptation to Climate Change. This creates a framework for adapting to the consequences of climate change in Germany. It primarily represents the contribution of the federal government and in this way provides guidance for other actors. The strategy lays the fou...	
Greece	National Strategy for Adaptation to Climate Change (NAS)	The NAS sets a national goal to strengthen Greece's resilience against climate change and defines five (5) core horizontal objectives: (i) the systematization and improvement of short- and	

[Climate and Energy in the EU](#)
[Decarbonization - Adaptation dashboard](#)

Topic II Better access to information on national adaptation policies

Energy Community

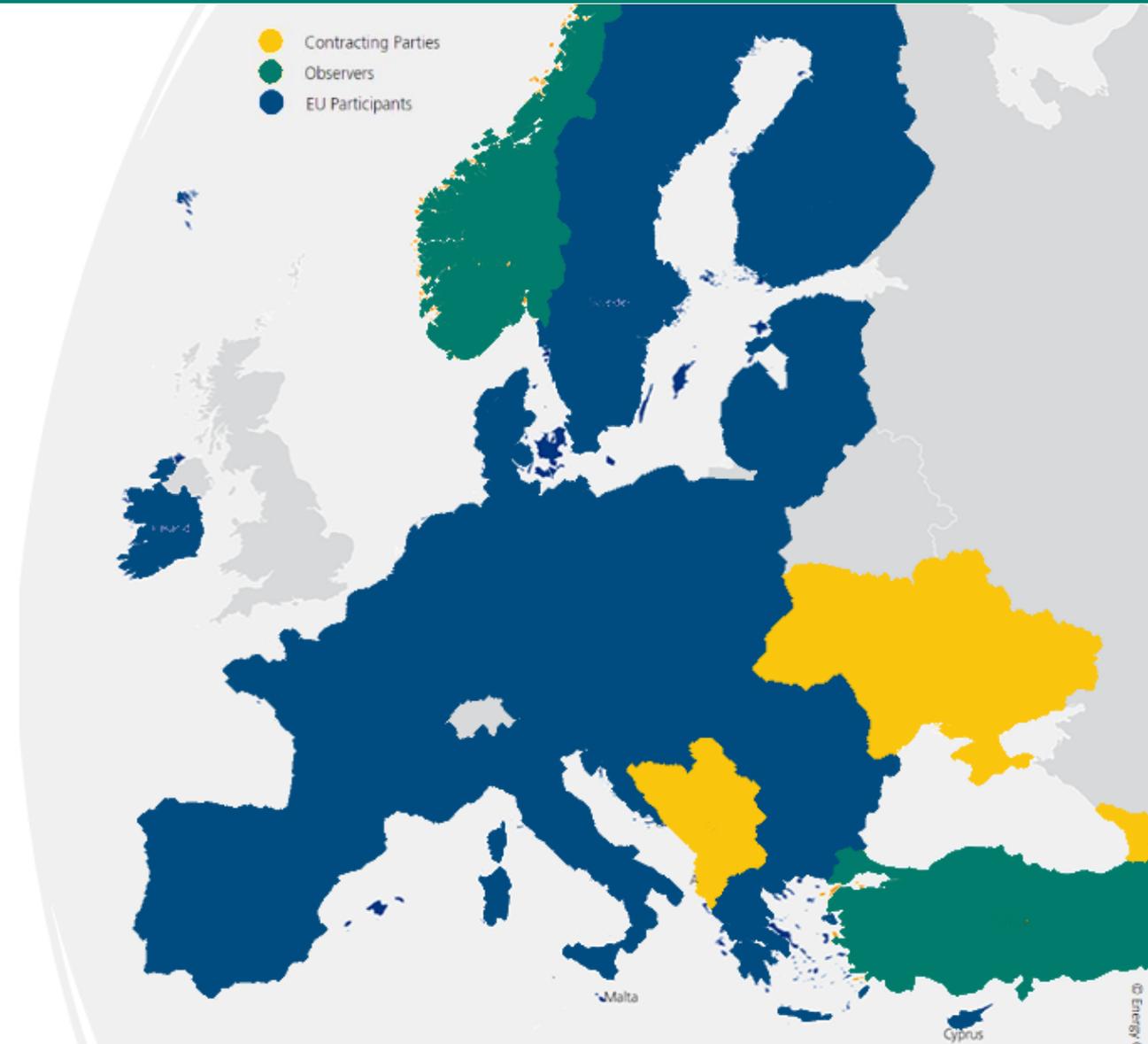
International organisation working to create an integrated pan-European energy market, extending EU's market into Western Balkans and Black Sea region.

Legal basis for reporting

- Adapted Governance Regulation 2018/1999, Article 19
- Adapted Implementing Regulation 2020/1208, Article 4
- Reporting every two years, starting in March 2023

EEA support to Contracting Parties

- IT infrastructure for reporting
- Tailored support throughout the reporting process
- Data quality control
- Interface with the Energy Community Secretariat



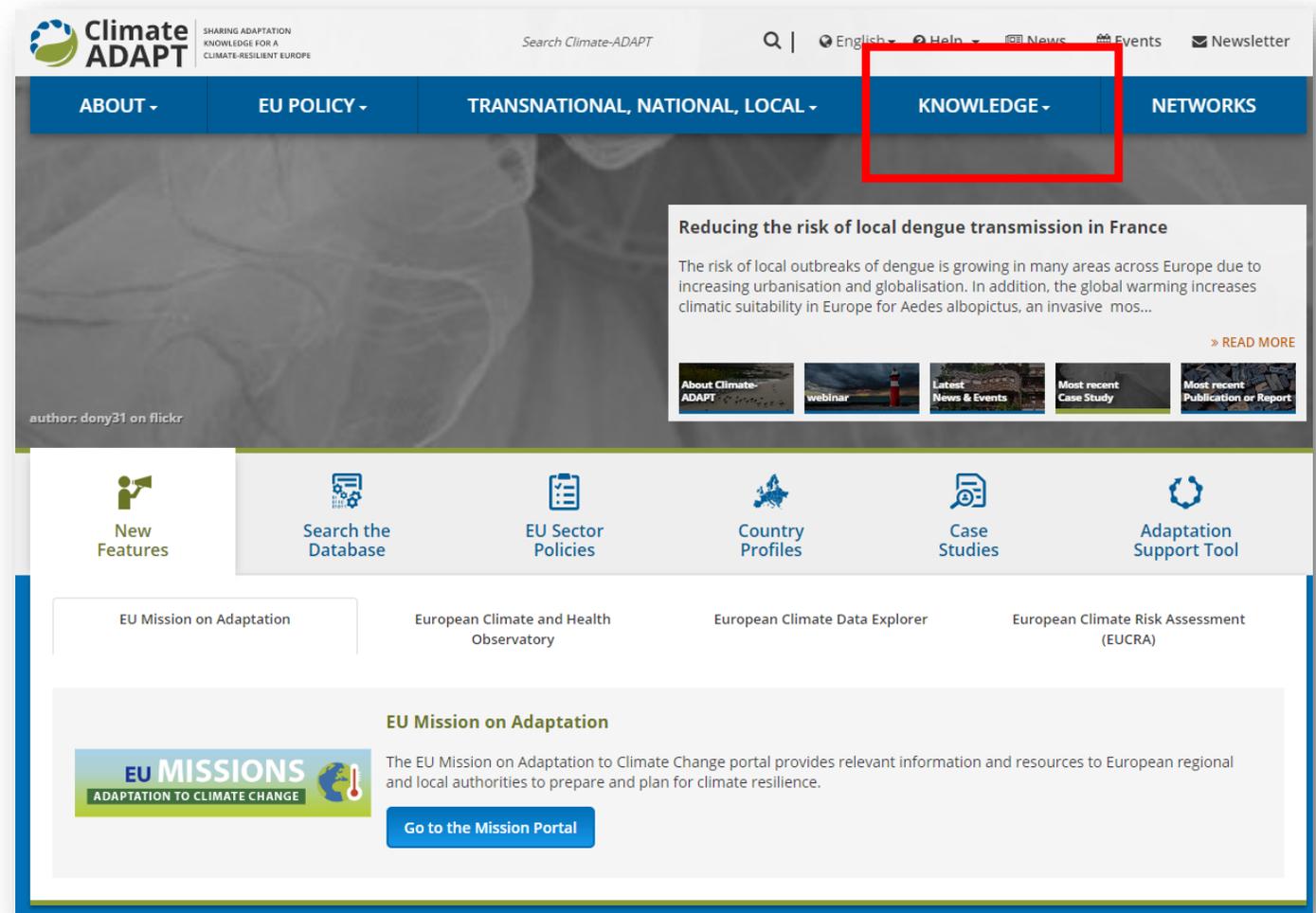
Topic II Better access to information on adaptation policies at national levels

Questions, feedback, answers

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Topic III Boosting regional and sectoral adaptation with new and updated Climate-ADAPT tools

- **New Adaptation Dashboard for climate resilience in European regions**
- **Case studies for the Forestry sector**
- **Unfolding the learning potential of cases studies**



The screenshot displays the Climate-ADAPT website interface. At the top left is the logo for Climate ADAPT, with the tagline "SHARING ADAPTATION KNOWLEDGE FOR A CLIMATE-RESILIENT EUROPE". A search bar is located to the right of the logo. The main navigation menu includes "ABOUT", "EU POLICY", "TRANSNATIONAL, NATIONAL, LOCAL", "KNOWLEDGE", and "NETWORKS". The "KNOWLEDGE" menu item is highlighted with a red rectangular box. Below the navigation menu, there is a featured article titled "Reducing the risk of local dengue transmission in France" with a brief description and a "READ MORE" link. Below the article are several small thumbnail images for "About Climate-ADAPT", "webinar", "Latest News & Events", "Most recent Case Study", and "Most recent Publication or Report". A central navigation bar contains icons and labels for "New Features", "Search the Database", "EU Sector Policies", "Country Profiles", "Case Studies", and "Adaptation Support Tool". Below this bar are four boxes for "EU Mission on Adaptation", "European Climate and Health Observatory", "European Climate Data Explorer", and "European Climate Risk Assessment (EUCRA)". At the bottom, there is a section for "EU Mission on Adaptation" featuring a logo and a "Go to the Mission Portal" button.

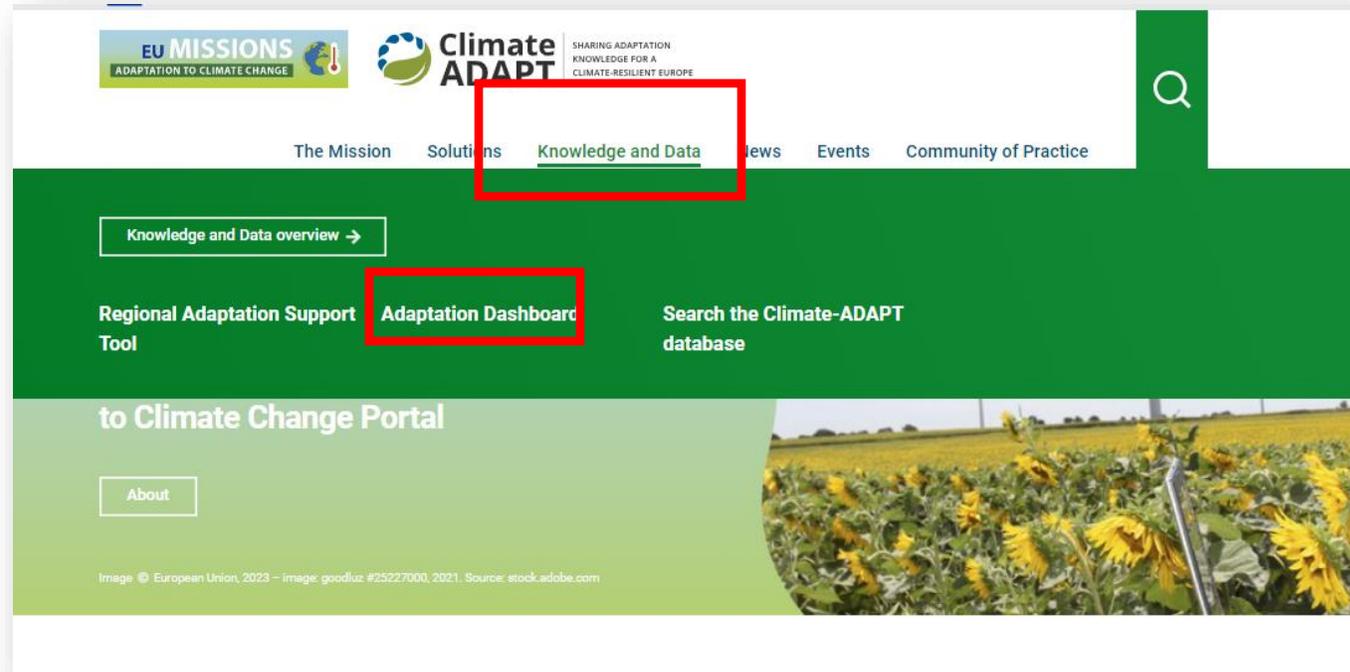
New Adaptation Dashboard for climate resilience in European regions - Intro

Added value of the Adaptation Dashboard for the users:

- Covers Mission Signatories (308 regions & local authorities) and all NUTS2 regions
- Overview of indicators relevant to adaptation at EU level
- Can be inspirational for Adaptation Plans

How to benefit from it and how to use it

- Data can be explored by Region/Local Authority on all aspects relevant to adaptation
- Datasets at different resolutions, from country to local level, depending on data availability
- Using data from various sources (EEA, JRC, EUROSTAT, Copernicus...)



New Adaptation Dashboard for climate resilience in European regions – how to use it

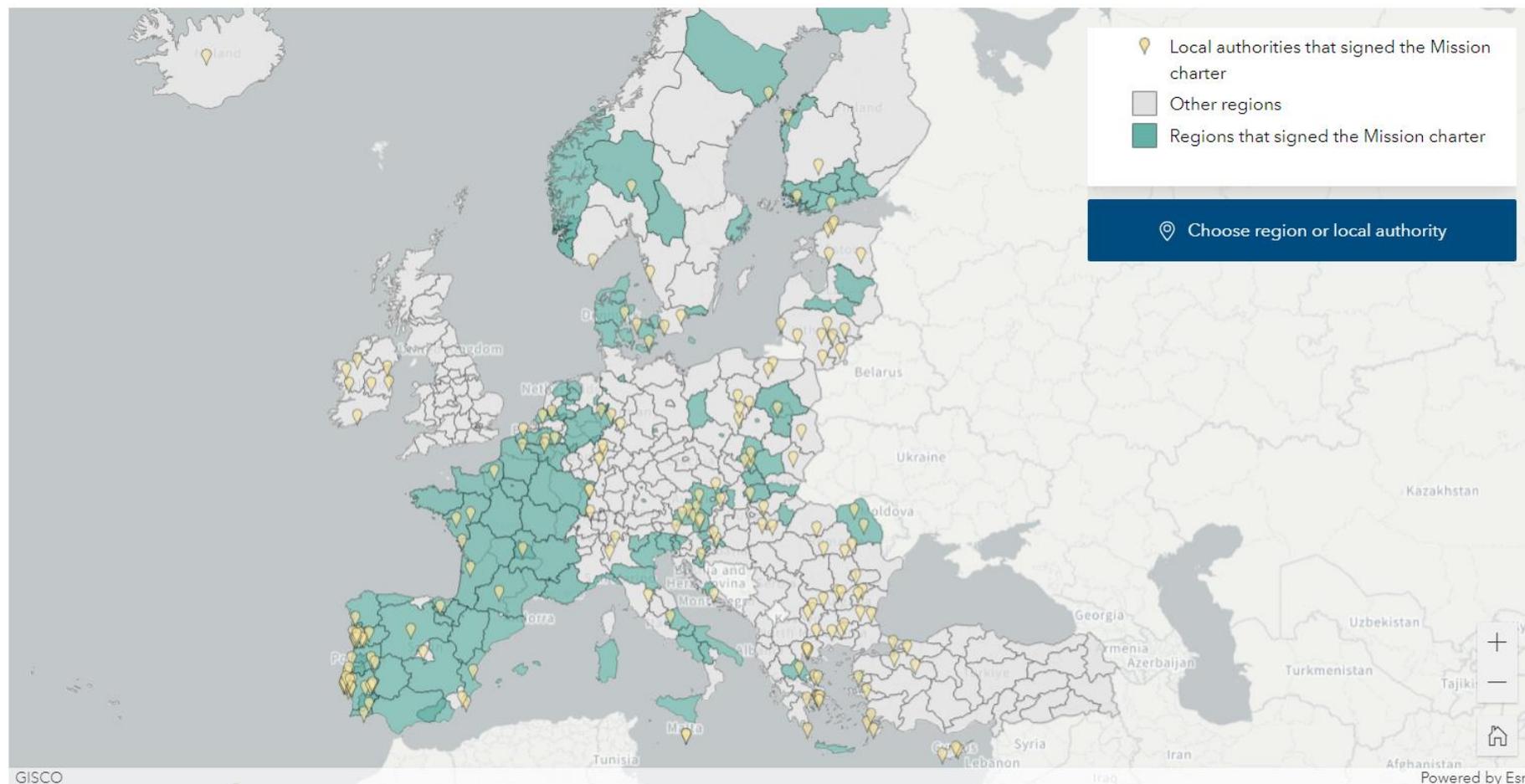


Adaptation Dashboard

GO TO



To begin, choose a region or a local authority



Weblink Adaptation Dashboard:
<https://climate-adapt.eea.europa.eu/en/mission/knowledge-and-data/data-dashboards>

New Adaptation Dashboard for climate resilience in European regions – how to use it

The screenshot displays the 'Adaptation Dashboard' interface. At the top left is the EEA logo and the title 'Adaptation Dashboard'. Below this, a dark green header bar shows the selected region: 'Lower Austria - Klimafit NÖ (Signatory), Austria'. The main area is a map of Austria with various regions highlighted in shades of green and grey. A sidebar on the right contains filter options: 'REGIONS' and 'LOCAL AUTHORITIES' (highlighted in blue), 'TYPE' (Mission signatory: 122, Non-signatory: 279), 'COUNTRIES' (Austria: 2, Belgium: 2, Croatia: 5, Denmark: 5, Finland: 7), and 'REGIONS' (Lower Austria - Klimafit NÖ: 1, Steiermark: 1). A blue button at the bottom right says 'See indicators'. Red arrows point from the sidebar filters to the map, and a green arrow points from the map to the 'See indicators' button.

Adaptation Dashboard

Lower Austria - Klimafit NÖ (Signatory), Austria

REGIONS LOCAL AUTHORITIES

TYPE ^

- Mission signatory 122
- Non-signatory 279

COUNTRIES | ↻ ^

- Austria 2
- Belgium 2
- Croatia 5
- Denmark 5
- Finland 7

REGIONS | ↻ ^

- Lower Austria - Klimafit NÖ 1
- Steiermark 1

See indicators

New Adaptation Dashboard for climate resilience in European regions – how to use it



Adaptation Dashboard

GO TO



Abruzzo Region (Signatory), Italy

Choose another location

Go back to the map

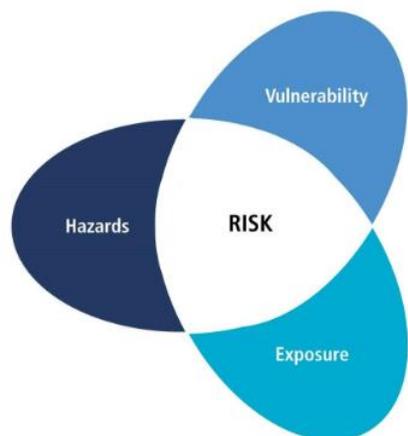
- Introduction
- Impacts
- Vulnerability
- Exposure
- Hazards
- Policies and actions

Expected climate-related impacts:

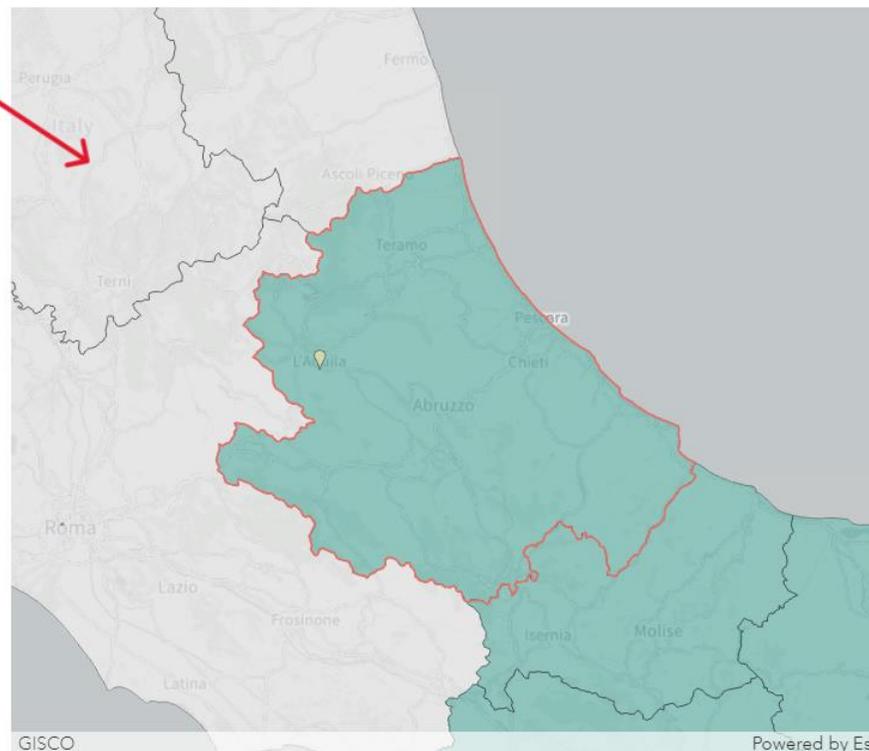
This region lies in the Continental zone*, where an increase in heat extremes and in energy demand for cooling is expected. There may also be an increasing risk of forest fires and river floods. Summer precipitation may decrease, as may the economic value of forests.

Climate risk is the potential for **adverse consequences of climate change** for human or ecological systems.

The following components contributing to overall risk**, are presented in the dashboards:



- Impacts of Climate change
- Vulnerability to Climate hazards
- Exposure to Climate hazards
- Climate hazards
- Adaptation Policies and actions



Weblink Adaptation Dashboard:

<https://climate-adapt.eea.europa.eu/en/mission/knowledge-and-data/data-dashboards>



New Adaptation Dashboard for climate resilience in European regions – how to use it

Introduction Impacts Vulnerability Exposure Hazards Policies and actions

Impacts are the **consequences of realised risks on natural and human systems**. They generally refer to effects on lives, livelihoods, health and wellbeing, ecosystems and species, economic, social and cultural assets, services (including ecosystem services), and infrastructure.

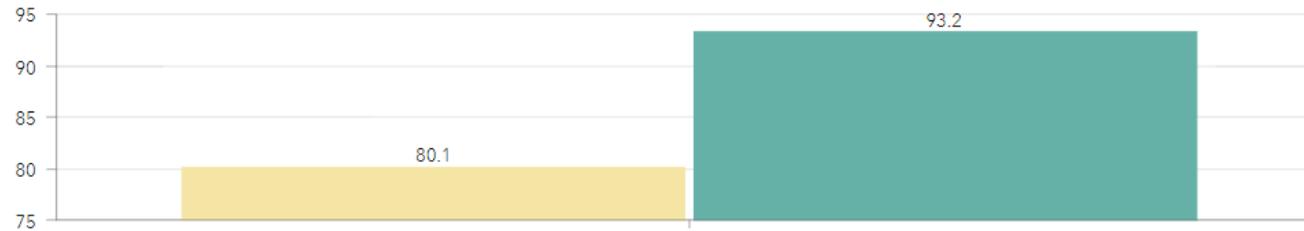
Indicators shown here give totals at the country level

€ Total economic losses (Billions of euros)

90

Economic damage caused by weather and climate-related extreme events for the country, 1980-2020. (Data source)

🔥 Heat related mortality



This indicator compares the average modelled heat-related mortality per million inhabitants per year for the period 2000-2009 (left) and 2010-2019 (right). (Data source)

🔥 Fatalities associated with wildfires 1980-2020

31

The number of fatalities from individual wildfire events (recording all events that

🔥 Wildfire fatalities 1980-2020



New Adaptation Dashboard for climate resilience in European regions – how to use it

Introduction Impacts Vulnerability Exposure Hazards Policies and actions

Exposure is the **presence** of people; livelihoods; infrastructure; and assets; or species and ecosystems in places and settings **that could be adversely affected**.

🔥 Heat exposure of vulnerable groups (2010-2019)

This indicator gives the relative exposure of the population to heat. It is calculated as the number of people per region in the age categories >65 (retired population) and <1 (infants) multiplied by the number of heatwaves in each year.

49%

21%

% change in average heat exposure for 2010-2019 as compared to 2000-2009 in elderly people (>65 years old)

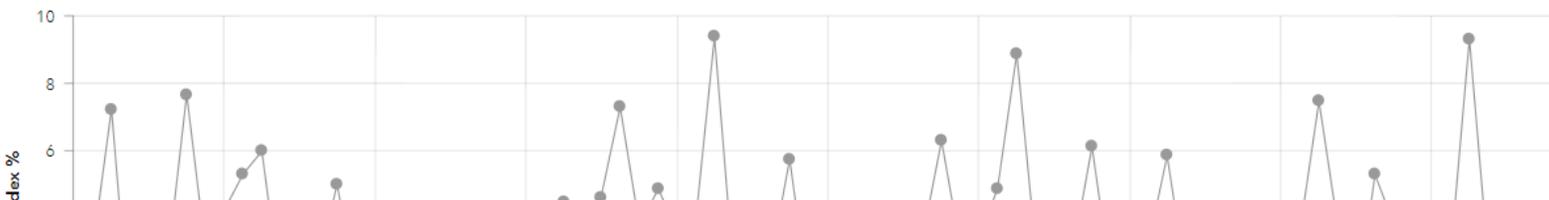
% change in average heat exposure for 2010-2019 as compared to 2000-2009 in infants (under 1 year old)

[Data Source](#)

Heat Wildfires Flooding

💧 Water Exploitation Index plus (WEI+, 2000-2019)

The water exploitation index gives the share of water used across all sectors as compared to the total availability of water within a region. It is a measure of water stress. The lower the index, the better a region can cope with a changing climate (and associated changes in precipitation patterns). Here a timeseries is shown, from 2000 to 2019, by quarter year (seasonal).



> 40% Severe water scarcity

New Adaptation Dashboard for climate resilience in European regions – how to use it

[Introduction](#) [Impacts](#) [Vulnerability](#) [Exposure](#) **[Hazards](#)** [Policies and actions](#)

The **current climate conditions** and **how they will change in the future**. These conditions will determine the likelihood of an area being affected by either extreme events, such as heatwaves, or slow onset events such as sea-level rise.

Several climate indices are shown below, please select one to **see trends, changes and evolution over time** for your region. A full overview of climate indices can be found in the European Climate Data Explorer (ECDE). (*)

Disclaimer: these visualizations are part of the European Climate Data Explorer.

 Heat and cold

Mean temperature

Maximum temperature

Minimum temperature

Tropical nights

Frost days

 Wet and dry

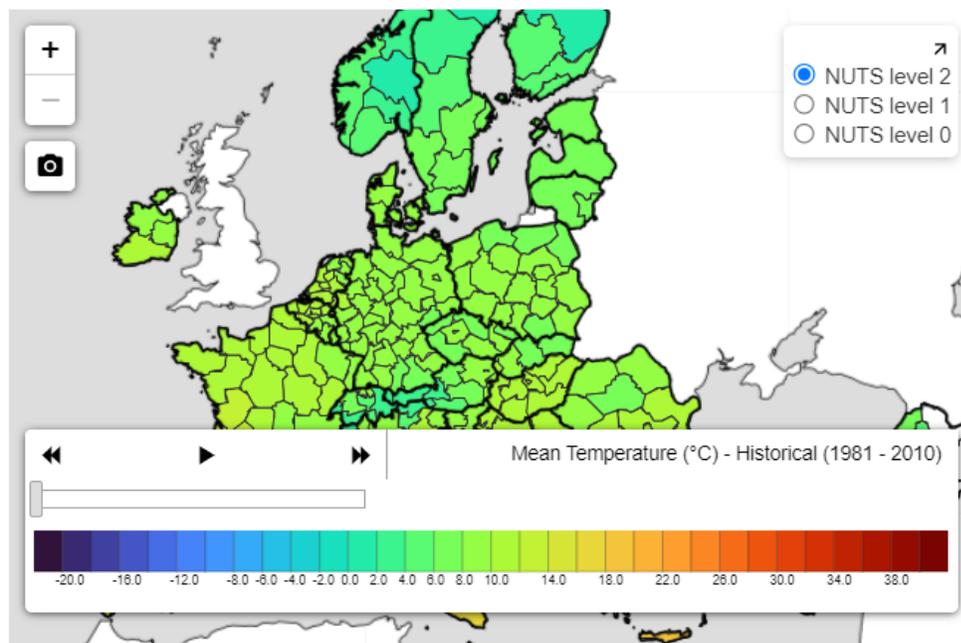
 Snow and ice

 Coastal

 Open ocean

 Wind

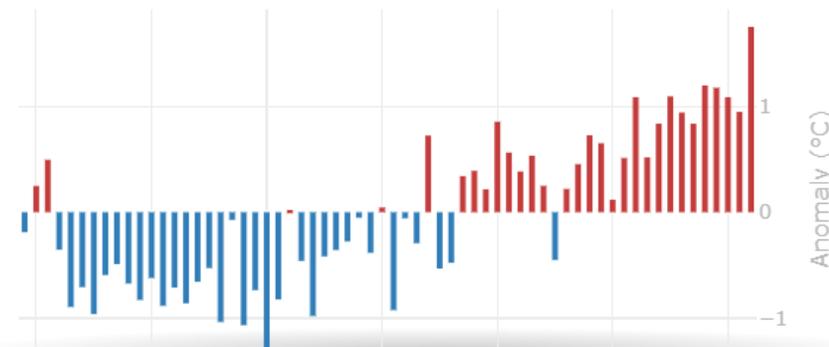
Regions: NUTS | Time span: Year | Scenario: RCP4.5 | Map type: Actual values



Abruzzo

Historical variations of annual Mean Temperature in Abruzzo

Interactive plot showing the deviations of the historical annual Mean Temperature from the 1981-2010 average (also called 'Anomaly') based on the ERA5 reanalysis.



New Adaptation Dashboard for climate resilience in European regions – how to use it

Introduction Impacts Vulnerability Exposure Hazards Policies and actions

Policies put in place and actions taken to **reduce the potential impacts of climate change** and **increase overall resilience**.

 % Urban tree cover Abruzzo (NUTS2) 

48.7%

The share of land covered by trees within the extent of urban areas is given. The presence of trees can have a cooling effect and help in water regulation (*, **). ([Data Source](#))

 % Blue infrastructure in Abruzzo (NUTS2) 

0.2%

The share of water bodies within the extent of urban areas is given. The presence of surface water can have a cooling effect and help to combat the urban heat island effect (*, **). ([Data Source](#))

 Covenant of Mayors Signatories with Adaptation commitment in Abruzzo (NUTS2) 

Total initiatives

6

Signatory cities

Scurcola Marsicana
Castiglione Messer Raimondo
Mosciano Sant'Angelo
Giulianova
Pineto

Covenant signatories commit to developing a Sustainable Energy and Climate Action Plan for their city and adopt an integrated approach to climate change mitigation and adaptation. See the list of local authorities having both a mitigation and adaptation commitment (**). ([Data Source](#))

New Adaptation Dashboard for climate resilience in European regions – 2024 plans

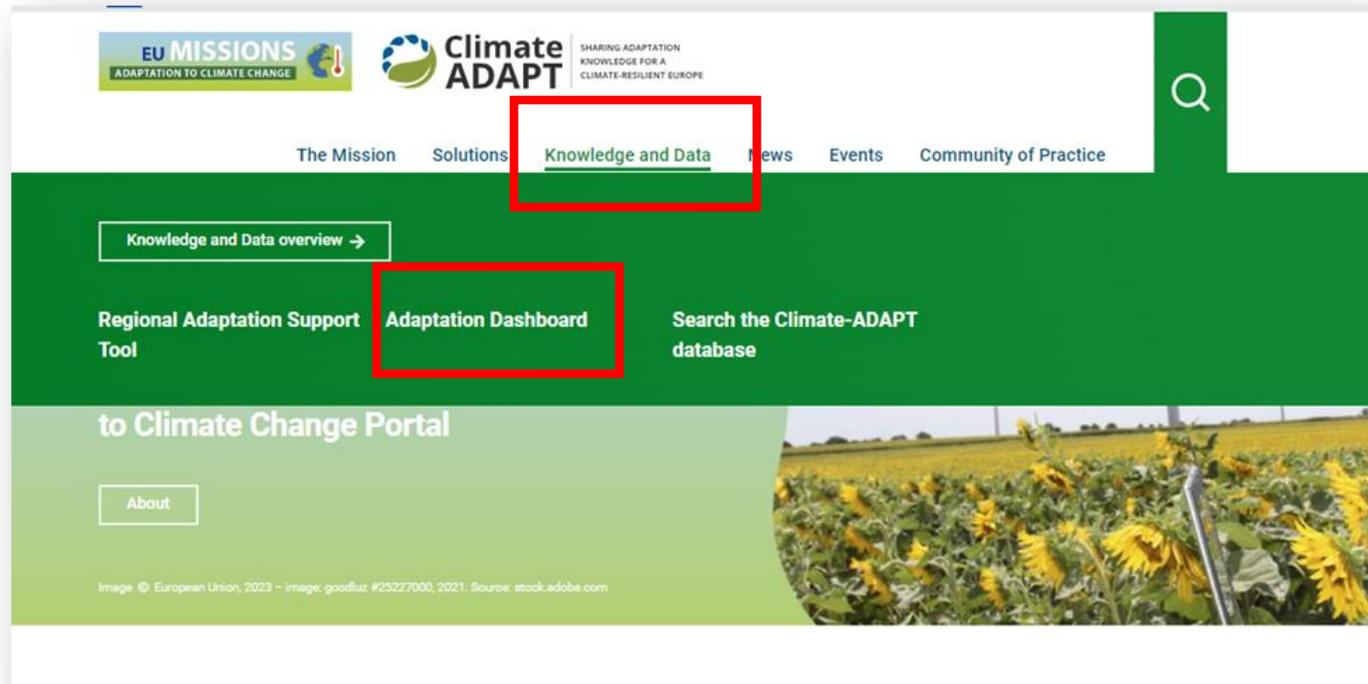
Roadmap 2024

Planned updates by April:

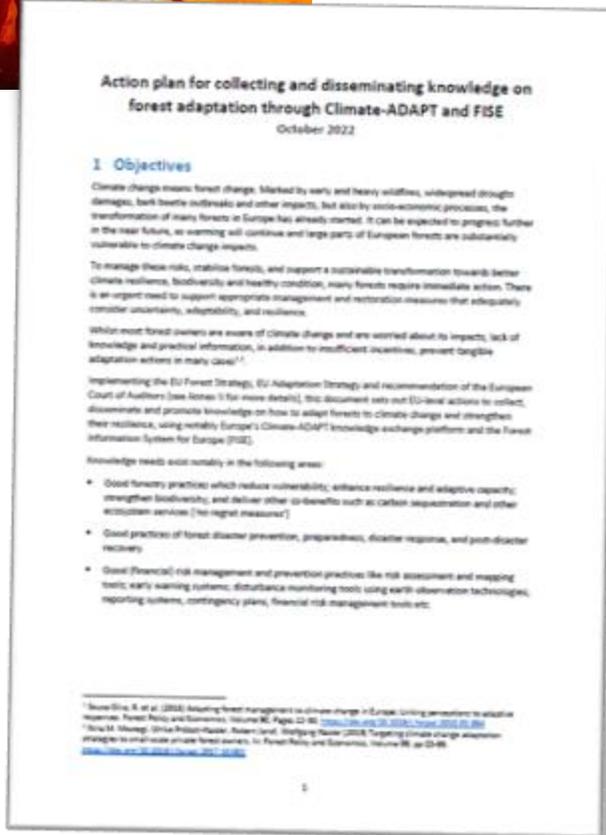
→ Additional indicators:

- JRC Vulnerability Index
- Soil sealing
- Presence of Early-Warning systems

- Further updates to the User Experience and User Interface
- Increased data consistency and availability

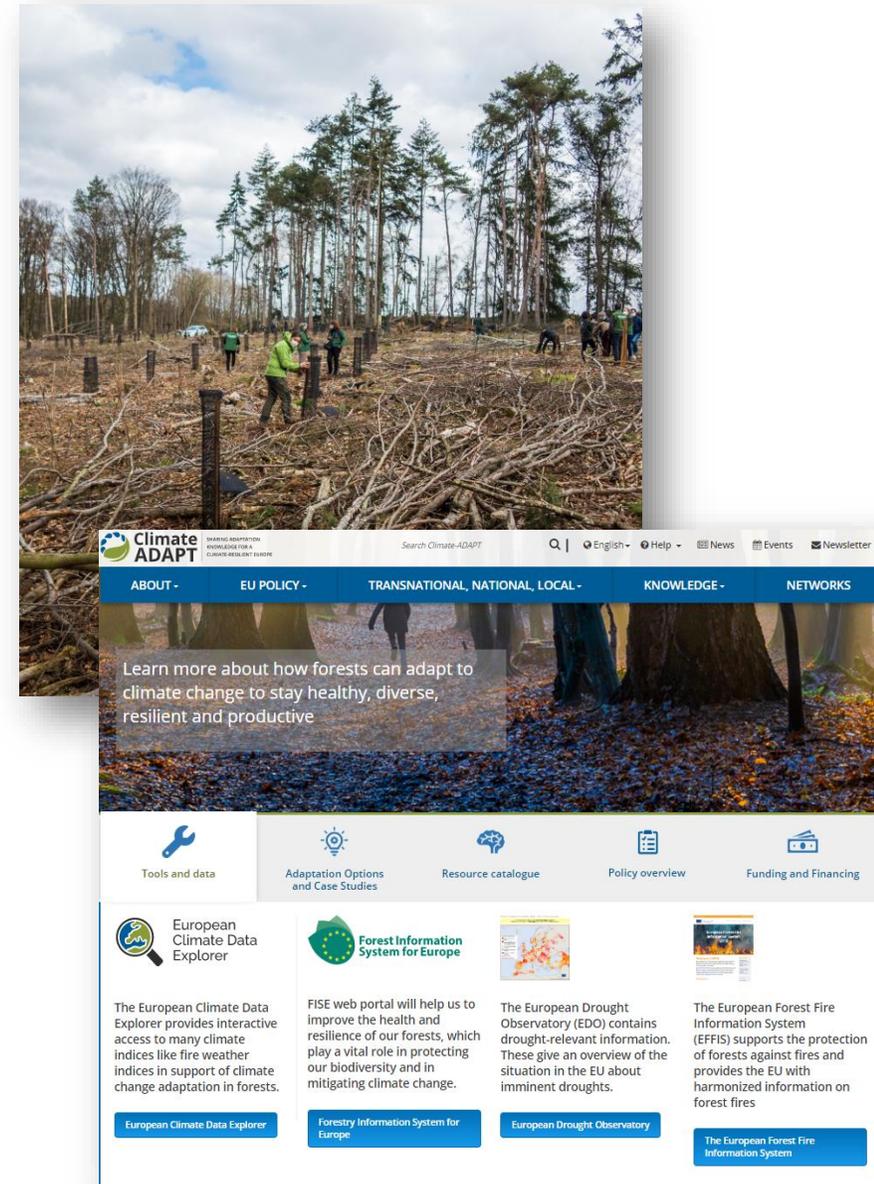


Supporting adaptation in a key vulnerable sector – new forestry case studies



Creating a new landing page on forest adaptation

Creating and disseminating new Climate-ADAPT case studies on forest adaptation



Not starting from scratch - current forestry related case studies on Climate-ADAPT

Starting point:

- 12 case studies on Climate-ADAPT, related to adaptation in forestry
- 3 out of those address adaptation in the forestry sector directly

2023 actions:

Partnership with Forest Europe to identify potential case study candidates and to develop case studies:

- Enabling factors
- Practical examples for adaptation practitioners

In cooperation with:



The Case study explorer provides also access to case studies prepared at national level in Spain, provided by the Platform for the exchange and consultation of information on adaptation to climate change in Spain AdapteCCA.es.

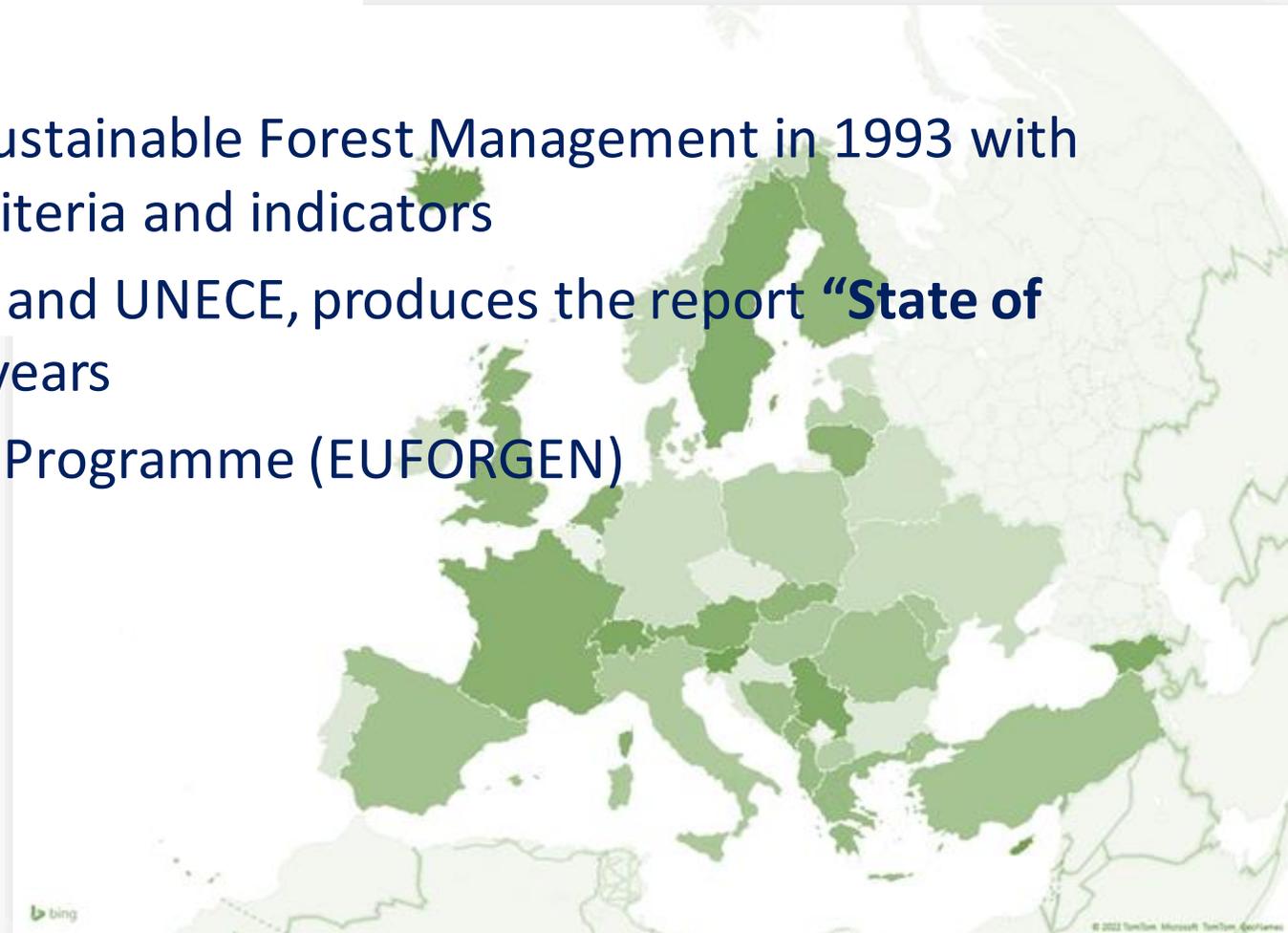


Preselected case studies on adaptation in the forestry sector (as of May 2023)

[Climate-ADAPT Case study explorer](#)

Introduction to FOREST EUROPE

- Ministerial Conference for the Protection of Forests in Europe
- Originated in 1990 to improve the concerning status of European forest vitality
- Achievements:
 - Defined pan-European concept of Sustainable Forest Management in 1993 with internationally agreed guidelines, criteria and indicators
 - FOREST EUROPE, together with FAO and UNECE, produces the report **“State of Europe’s Forests”** (SoEF) every five years
 - European Forest Genetic Resources Programme (EUFORGEN)



Towards a Forest Risk Facility (FoRISK)

<https://foresteurope.org/workstreams/risk-prevention/>



POLICY BRIEF

REDUCING WILDFIRE RISK IN EUROPE THROUGH SUSTAINABLE FOREST MANAGEMENT

Alexander Held
Lindon Pronto

Forest Europe growing life

EF1

Unprecedented threats to European forests

Across Europe, a growing number of large and uncontrolled wildfires are threatening values such as forest ecosystems, essential ecosystem services, populations and infrastructure. Devastating economic, social and environmental consequences of wildfires are no longer limited to the Mediterranean region but are part of the new reality in central and northern European forests which have until now been less fire prone.

POLICY BRIEF

Managing bark beetle outbreaks in the 21st century

Tomáš Hlásný | Czech University of Life Sciences in Prague, Faculty of Forestry and Wood Science

Bark beetles and other biotic agents devastate European forests with unexpected severity. The worst is likely still ahead of us. However, each crisis is an opportunity. Let's not miss this one and use disturbed areas to create climate-adapted and resilient forests for future.

Photo: Forest Management Institute of the Czech Republic

POLICY BRIEF

MITIGATING WINDSTORM DAMAGE ON EUROPEAN FORESTS

Christoph Harthebrodt and Yvonne Hengst | Forest Research Institute (FVA) Baden-Württemberg, Germany
Julia Haas | Liaison Unit Bonn FOREST EUROPE

Forest Europe growing life

FA Forstliche Versuchs- und Forschungsanstalt Baden-Württemberg

Context

The impact of storms on forests and their ecosystem services can be very diverse. The spectrum ranges from local events that only affect a few forest owners to large-scale, cross border damage. However, measured by the volume of damaged timber, storms are still considered the most devastating risk factor on forests (Gardiner et al. 2019). As a result, the consequences and required management actions vary. Smaller storm events may require action of few individual forest owners, but supranational events can require transnational forest-related and economic policies and decisions.

This Policy Brief focuses on "traditional" large-scale windthrow and wind breakages, particularly in conifer dominated stands, that are often more prone to storm damage and therefore still pose the greatest challenge. However, it is worth mentioning that e.g. drought effects lead to increased canopy (tree-top) death in deciduous stands, which increases the risk of damage even at low wind speeds. This can lead to particular challenges, especially with regard to operational safety and health protection as well as public safety.

Storm and the consequences associated with them have some special characteristics compared to most other risk factors in the forest.

Sector perspective - collaboration with Climate-ADAPT

- Create synergies!
- Climate-ADAPT as important tool – central information platform
- Covers a broad spectrum of forest risks and geographical regions
- Case-studies are connecting the science-practice-policy level
- Improve the adaptability of forests to climate change and enhance resilience thinking
 - With focus on preparedness, prevention, response and recovery from disasters
 - Multi-sector, landscape approach
 - Most importantly: recognizes that there is not the one, best solution, but offers various options for good practice



2023 published

Practical implementation:

Case studies

Climate change adaptation in a peri-urban beech forest with a high number of visitors - Sonian Forest, Belgium



© Frederik Vaes

The beech dominated Sonian forest is both threatened by climate change and by increasing pressure from recreational activities. The holistic approach to management, that involves stakeholders across regional borders and makes visitors more aware of forest vulnerabilities, helps develop a collective responsibility to protect a peri-urban oasis of biodiversity.

The Sonian Forest covers a total area of 4.400 ha, distributed over three different regions: 2.500 ha in the Flemish region, 1.650 in the Brussels region and 250 ha in the Wallonia region. The Sonian forest is an emblematic forest in Belgium. It is an old growth forest that has never been touched by agriculture with intact soil geology that has stayed consistent since the last ice age. As

Examples of 2024 work

Practical implementation:

- Sustainable climate change adaptation of the forest sector in the province of Soria, Spain
- Upscaling Forest Restoration in North Rhine-Westphalia, Germany

Governance/enabling factors:

- National Plan for Integrated Rural Fire Management in Portugal



'No regret' forestry practices: some examples



- Restoring diversity in forests (tree species, genetic, broader biodiversity; diversity in management styles)
- Transforming even-aged forest stands into uneven-aged
- Switching forest management to continuous cover systems, selective logging
- Avoid forest operations which lead to soil hydrophysical degradation and soil compaction
- Integrated forest fire management, favouring short and long term fire prevention measures
- Assessing forest stand vulnerability and risks
- Informing, educating and training forest owners and managers

Contact: julia.haas@foresteurope.org

The Sonian Forest (Belgium)

The situation:

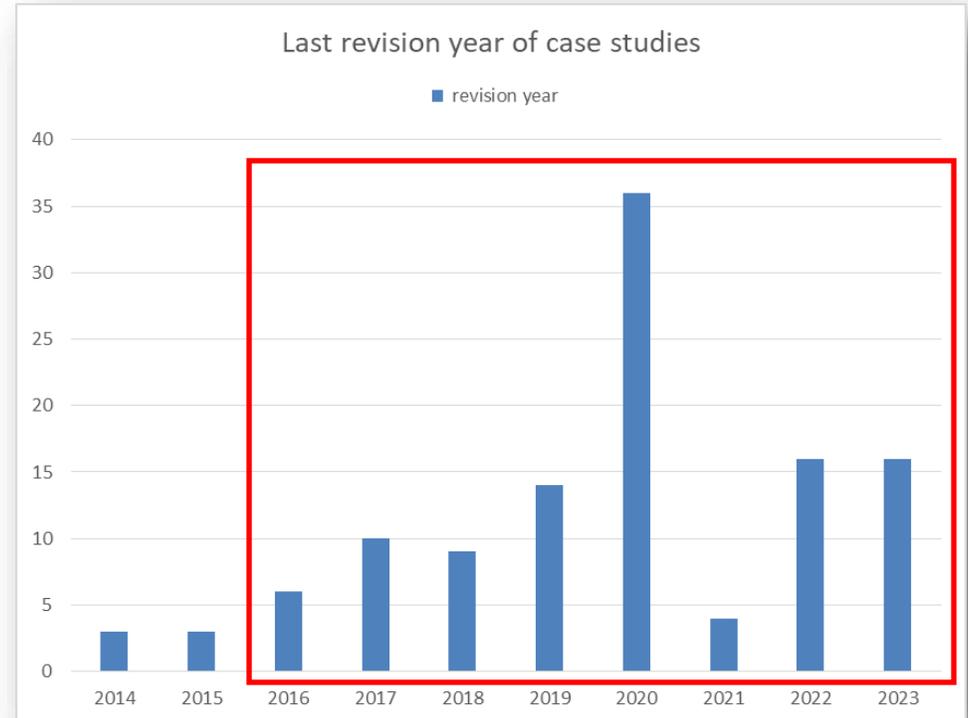
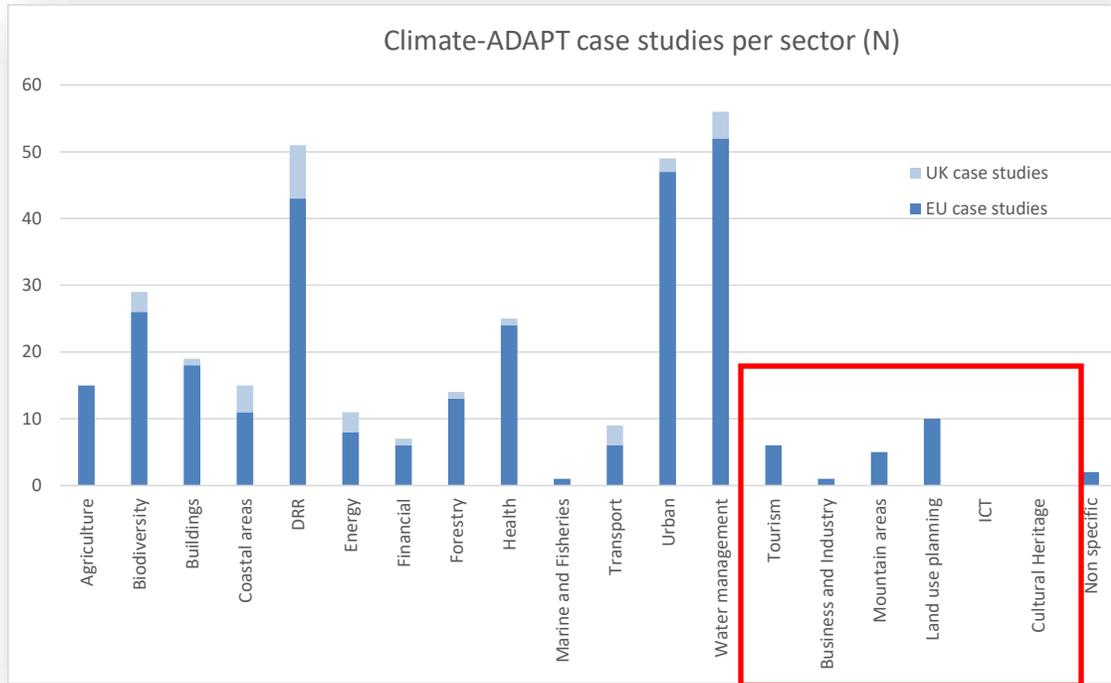
- mainly beech trees (65 %), uniform in age ~ 140 yrs
- highly isolated and fragmented, peri-urban forest
- intense recreational pressure, air and water pollution from city nearby (Brussels)
- Natura 2000, UNESCO world heritage site,...
- CC driven heat and drought

The solutions:

- finding a sustainable balance between recreation, protection of biodiversity and timber harvesting
- reduction of the percentage of beech, mixing tree species by planting rare (indigenous) and more resistant tree species (oak, hornbeam, lime)
- no more clear-cutting but selective logging and continuous cover forestry to sustain the microclimate
- Ecological connectivity within the forest by dead-wood islands, network of old trees, eco-bridges across roads + intense monitoring
- Reconnecting citizens with nature and directed tourism



Climate-ADAPT case studies for learning on potential adaptation solutions for the EU



Supporting mainstreaming of adaptation in 6 EU policy sectors

2023: Making *current* case studies accessible that relate to implementing adaptation policies in those sectors

2024: Closing sectoral gaps: New illustrative examples of adaptation governance and practical implementation in those additional sectors

Showing case studies that are relevant to users 2023:

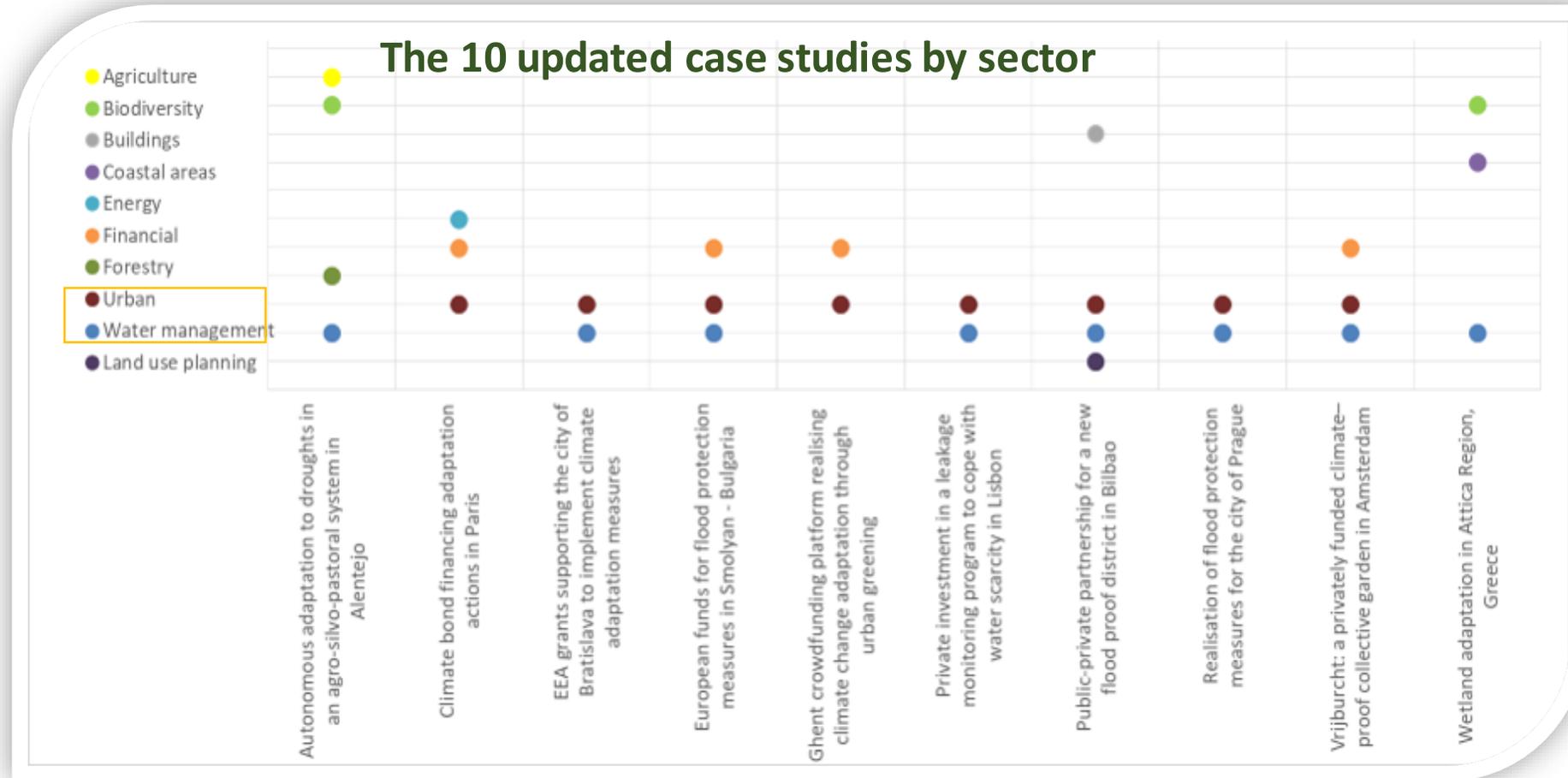
- 6 new case studies, based on EEA assessments
- 10 case studies updated (published in 2016)

2024: Close gaps for climate change impacts, Key Type Measures, geographic areas

Climate-ADAPT case studies for learning on potential adaptation solutions across the EU

14 case studies analysed for an update:

- **10 case studies actually updated** (3 with a light update only, using online sources)
- **1 case study archived** (local provider not willing to present the case study online anymore)
- **1 case study kept in its original version** (no update possible)
- **2 case studies still under revision**



Climate-ADAPT case studies: showcasing updated information

EEA grants supporting the city of Bratislava (Slovakia) to implement climate mitigation and adaptation measures



A repeated access to EEA grants supports Bratislava in gradually transforming its urban layout by creating new green spaces. The interventions are in line with the mitigation and adaptation goals set in the City strategic plans.

Adaptation to droughts in wetlands of Attica Region, Greece



The Attica region in Greece is working to gradually implement an adaptation strategy and action plan for the conservation of wetlands, a highly vulnerable ecosystem that suffers from increasing droughts.

Topic III Boosting regional and sectoral adaptation with new and updated Climate-ADAPT tools

Questions, feedback, answers

Climate ADAPT SHARING ADAPTATION KNOWLEDGE FOR A CLIMATE-RESILIENT EUROPE

Search Climate-ADAPT | English | Help | News | Events | Newsletter

ABOUT - EU POLICY - TRANSNATIONAL, NATIONAL, LOCAL - **KNOWLEDGE -** NETWORKS

Reducing the risk of local dengue transmission in France

The risk of local outbreaks of dengue is growing in many areas across Europe due to increasing urbanisation and globalisation. In addition, the global warming increases climatic suitability in Europe for *Aedes albopictus*, an invasive mos...

[» READ MORE](#)

author: dony31 on flickr

New Features | **Search the Database** | **EU Sector Policies** | **Country Profiles** | **Case Studies** | **Adaptation Support Tool**

[EU Mission on Adaptation](#) | [European Climate and Health Observatory](#) | [European Climate Data Explorer](#) | [European Climate Risk Assessment \(EUCRA\)](#)

EU MISSIONS
ADAPTATION TO CLIMATE CHANGE

EU Mission on Adaptation
The EU Mission on Adaptation to Climate Change portal provides relevant information and resources to European regional and local authorities to prepare and plan for climate resilience.

[Go to the Mission Portal](#)

Topic IV Towards a new Climate-ADAPT Strategy beyond 2024

- 2024 activities
- Climate-ADAPT outreach
- Actions and timeline of the Climate-ADAPT evaluation

Climate ADAPT SHARING ADAPTATION KNOWLEDGE FOR A CLIMATE-RESILIENT EUROPE

Search Climate-ADAPT

English Help News Events Newsletter

ABOUT EU POLICY TRANSNATIONAL, NATIONAL, LOCAL KNOWLEDGE NETWORKS

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[» READ MORE](#)

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New Features Search the Database EU Sector Policies Country Profiles Case Studies Adaptation Support Tool

EU Mission on Adaptation European Climate and Health Observatory European Climate Data Explorer European Climate Risk Assessment (EUCRA)

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[Go to the Mission Portal](#)

Implementing the 2024 Climate-ADAPT Strategy priority actions

Table 1 Milestones and priority actions of the 2022-2024 Climate-ADAPT strategy

Year	Priority objectives	Milestone	Priority action
2022	Empowering people for action at multiple levels	Providing Climate-ADAPT in the EU national languages	Implementing the EU eTranslation tool on Climate-ADAPT
2023	Promoting solutions for action Driving regional and community resilience	Supporting participants in the EU mission on adaptation to climate change with new knowledge and subnational-level solutions	Making the EU 'mission knowledge hub' operational
2024	Providing trusted data and information Promoting solutions for action Empowering people for action at multiple levels Supporting international adaptation action and exchanges	Providing substantial support for implementing adaptation measures in EEA member countries through coherent and mutually supportive knowledge provided on adaptation platforms on Climate-ADAPT and at national levels	Fully implementing links to transnational, national and subnational adaptation platforms, as well as connecting and developing interoperability with relevant resources on climate impacts at the EU level
	All objectives	Assessing Climate-ADAPT's achievements until 2024 and identifying lessons learned	Undertaking an in-depth evaluation of Climate-ADAPT

2024 actions

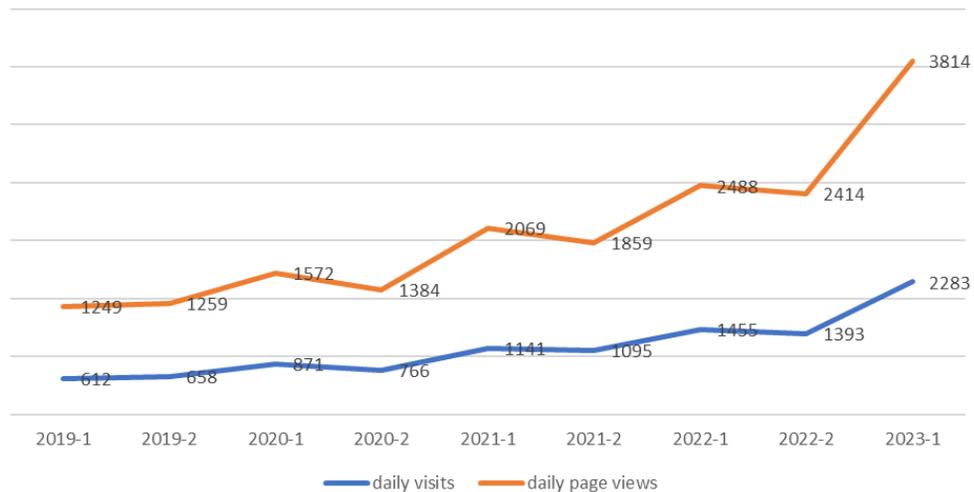
- Increasing the performance (based on new CMS and integration into EEA web services)
- Evaluation for learning
- Ad-hoc based update of web pages and resource catalogue (database)
- Focus on case studies and adaptation options (EEA briefing on case studies)

2025:

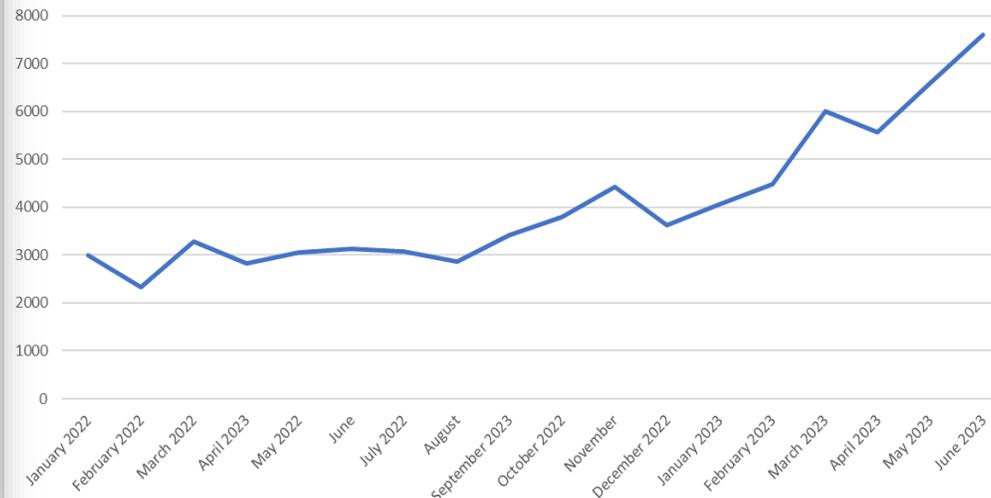
Starting to make Climate-ADAPT fit for the next EU Adaptation policy cycle

Observing use numbers – web statistics development over time

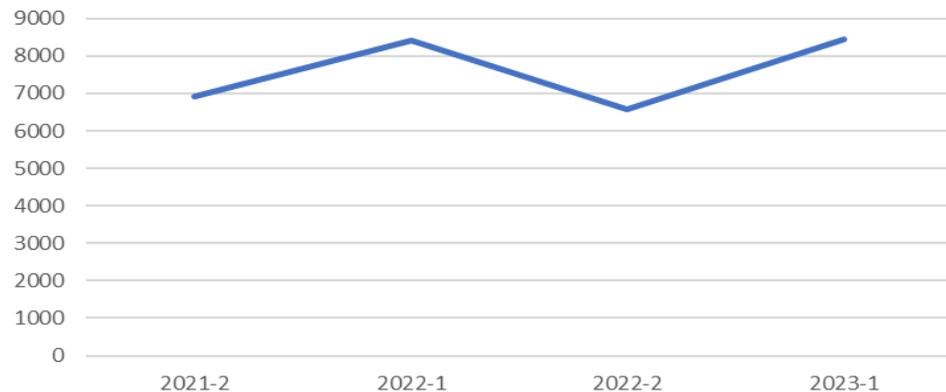
Evolution of Visits and Page Views per day on CA, from First Semester 2019 till first Semester 2023



Evolution of Number of Page Views of the Climate and Health Observatory (monthly basis) during period 1 January 2022 - 30 June 2023



Total Number of Page Views European Climate Data Explorer (ECDE) - 2021 -2023 (1)



Climate-ADAPT:

Number of visits and page views tripled since 2019

- Average number of visits per day in 2023 (1) = 2,283
- Average number of page views per day in 2023 (1) = 3,814

European Climate and Health Observatory

- Strong increase in number of page views per month in 2023 (1)
- towards 7,000 page views/month

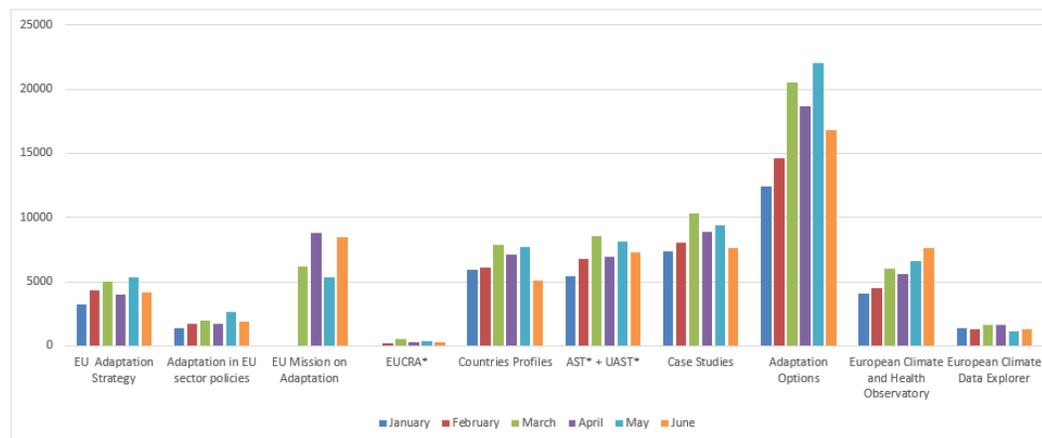
European Climate Data Explorer

- Stable use, around 7,600 page views each semester



Observing use numbers – web statistics development over time

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

Development over time

(Page views 2019-2023, per semester)

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

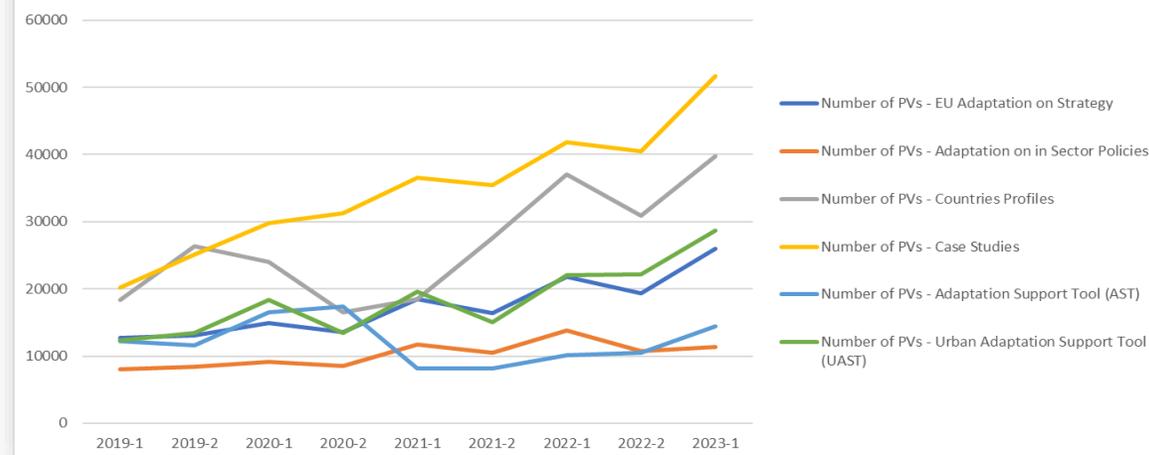
Snapshot: current situation

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

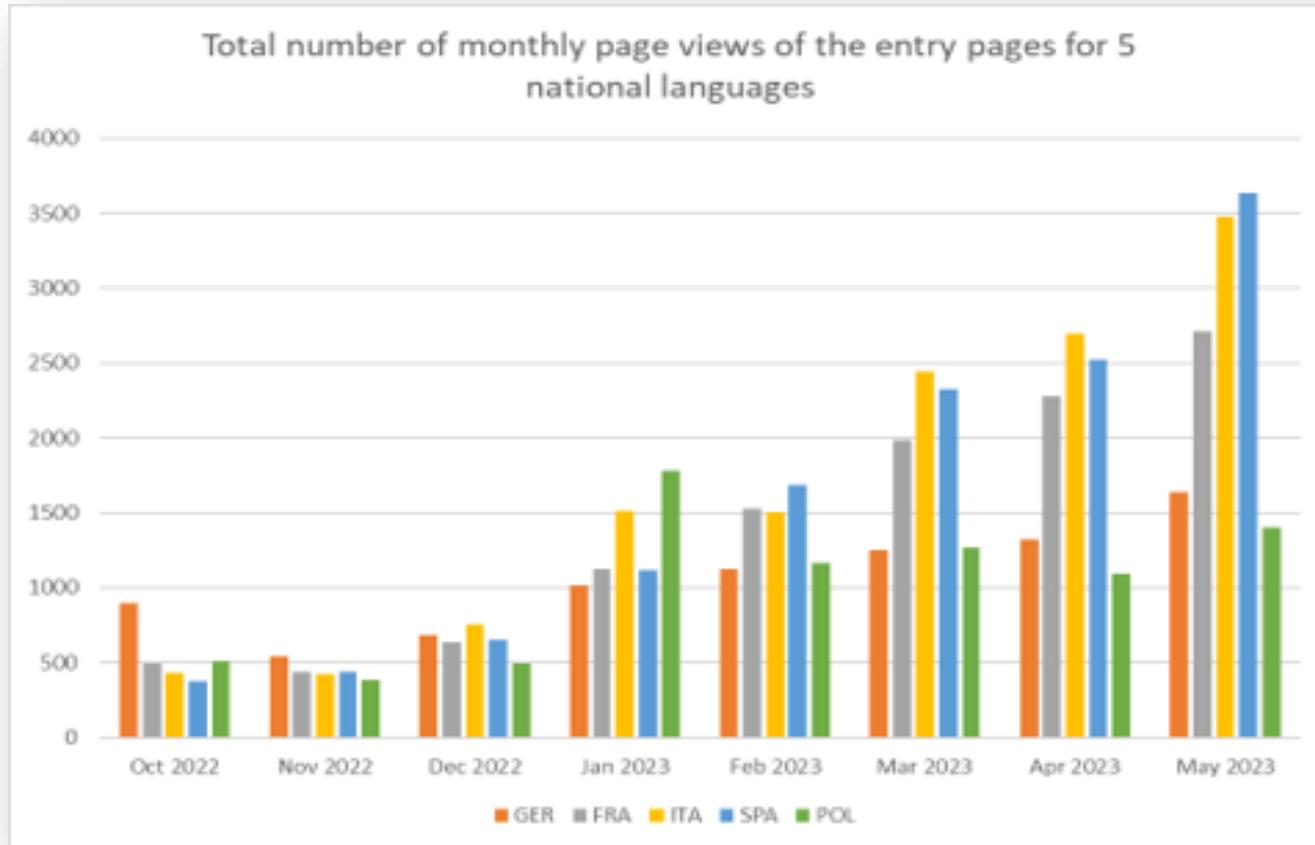
- Adaptation options surprisingly well visited
- Case studies second, but only half the visits
- Adaptation in economic sectors comparable low

Available at: [Climate-ADAPT performance reporting](#)

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



Observing use numbers – web statistics development over time



Use of the 5 multilanguage sections: slowly increasing on a low level

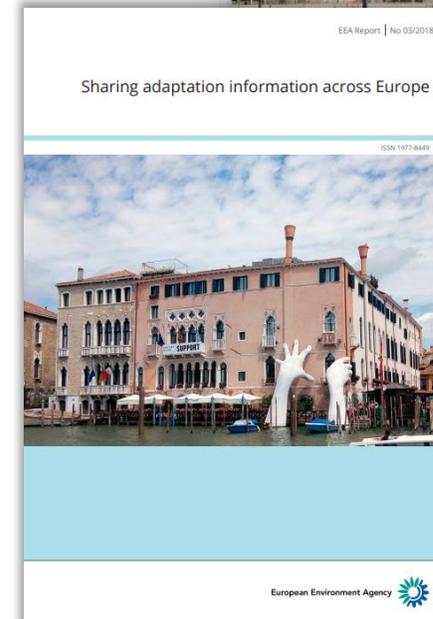
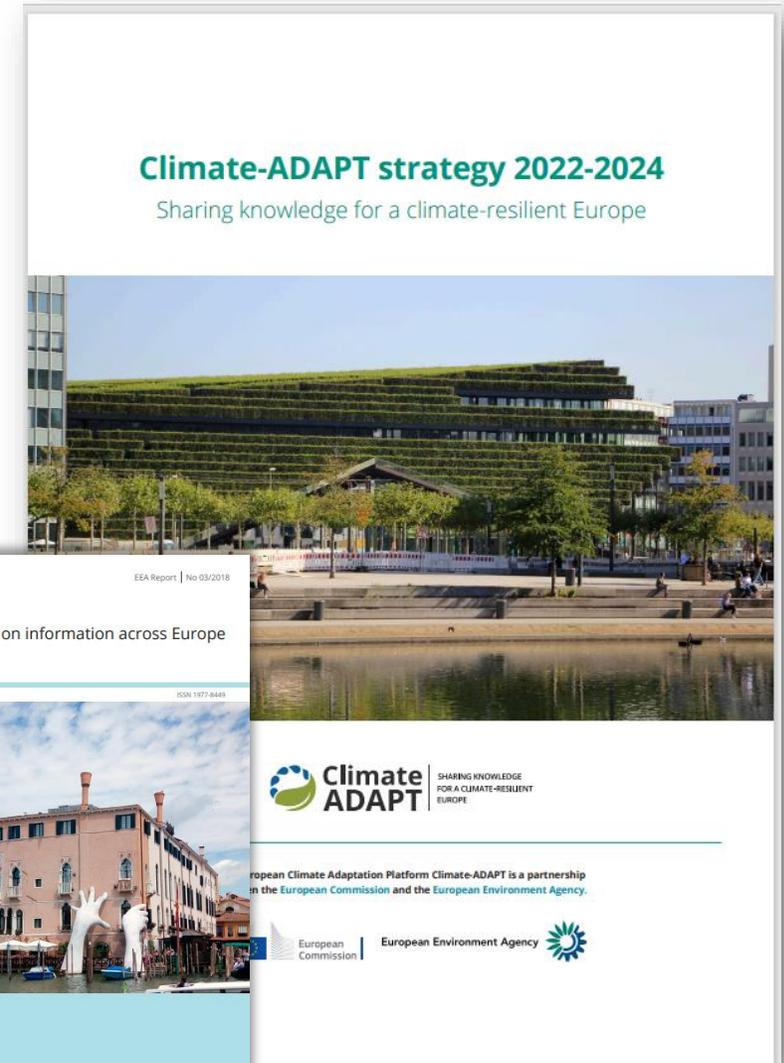
- Relatively strong growth in monthly number of page views of French, Italian and Spanish pages
- Slight growth of German and Polish pages

Climate-ADAPT evaluation – scope, objectives and approach

Previous evaluation: 2017

2024 Evaluation:

- By external contractor, to be completed by September 2024
- Also includes Health Observatory and EU Mission on Adaptation Portal
- Two components:
 - assess achievements and lessons learnt until 2024 (backward looking)
 - identify opportunities, pathways and concrete steps to increase outreach and impact (forward looking)
- Outcomes will inform the next Climate-ADAPT Strategy
- Outcomes to be presented at dedicated Climate-ADAPT webinar



[2017 Evaluation report](#)

Climate-ADAPT evaluation – tentative timeline

2024

M1

M2

M3

M4

M5

M6

M7

M8

M9



Input into next
Climate-ADAPT
Strategy

Interested in **sharing your experience** as a user of Climate-ADAPT as part of the evaluation?

We'd like to hear about a specific instance where Climate-ADAPT either **worked very well** for you or where it **failed to provide** what you needed.

Please provide your email address if you would be willing to be contacted for sharing your experience with Climate-ADAPT for the 2024 evaluation.

Climate-ADAPT

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

New Climate-ADAPT newsletter subscription:

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

Feedback/questions:

climate.adapt@eea.europa.eu

European Climate and Health Observatory

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

EU Mission on Adaptation to Climate Change Portal:

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

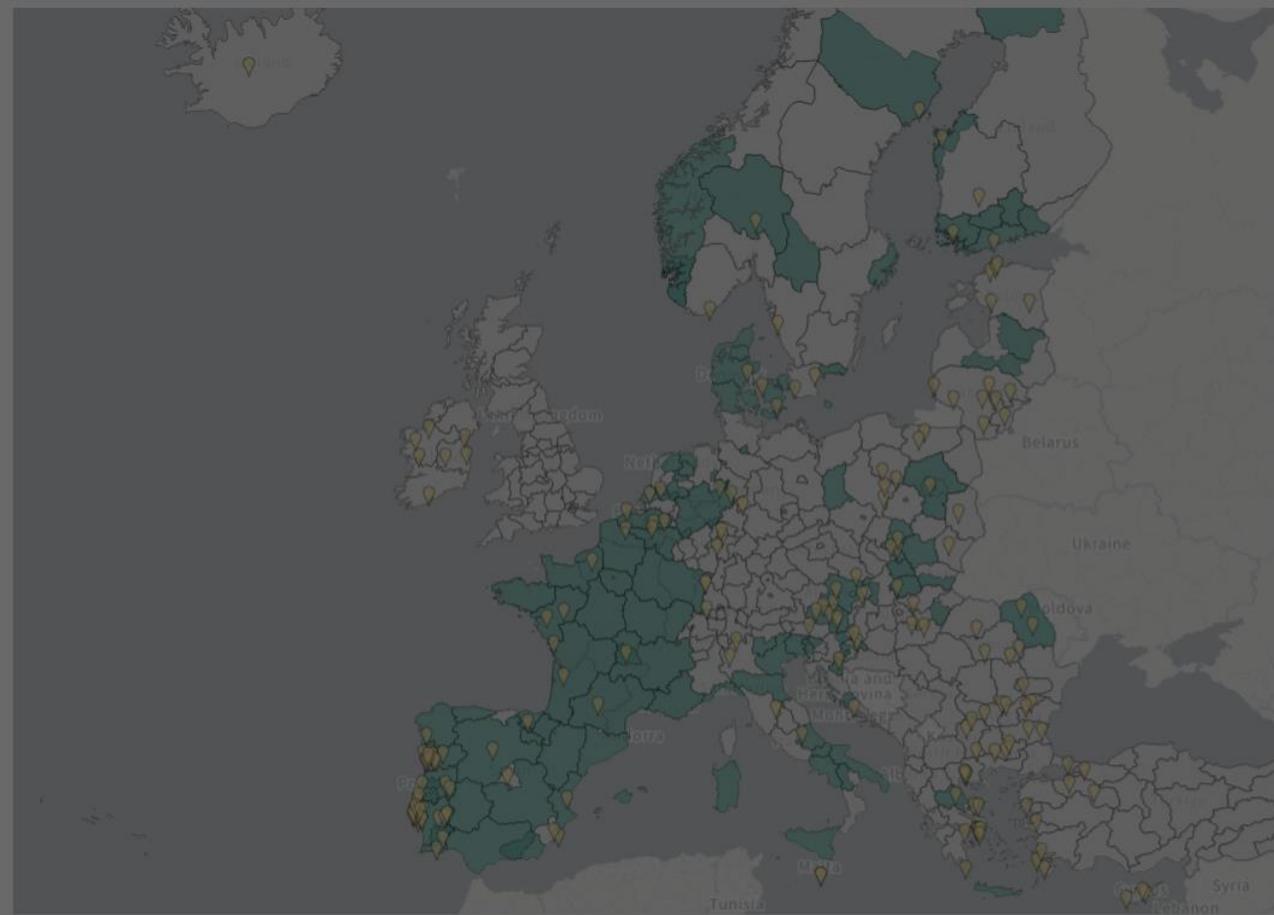
The screenshot shows the Climate-ADAPT website homepage. At the top left is the logo with the tagline 'SHARING ADAPTATION KNOWLEDGE FOR A CLIMATE-RESILIENT EUROPE'. A search bar and navigation links for 'English', 'Help', 'News', 'Events', and 'Newsletter' are on the right. A blue navigation bar contains 'ABOUT', 'EU POLICY', 'TRANSNATIONAL, NATIONAL, LOCAL', 'KNOWLEDGE', and 'NETWORKS'. The main content area features a featured article titled 'Reducing the risk of local dengue transmission in France' with a 'READ MORE' link. Below this are five category tiles: 'New Features', 'Search the Database', 'EU Sector Policies', 'Country Profiles', and 'Adaptation Support Tool'. A row of four boxes lists 'EU Mission on Adaptation', 'European Climate and Health Observatory', 'European Climate Data Explorer', and 'European Climate Risk Assessment (EUCRA)'. A large banner for the 'EU MISSIONS ADAPTATION TO CLIMATE CHANGE' portal is at the bottom, including a 'Go to the Mission Portal' button.

The new Adaptation Dashboard for climate resilience in European regions



Adaptation Dashboard

To begin, choose a region or a local authority



REGIONS LOCAL AUTHORITIES

TYPE ^

- Mission signatory 122
- Non-signatory 279

COUNTRIES ^

- Austria 2
- Belgium 2
- Croatia 5
- Denmark 5
- Finland 7

REGIONS ^

- Abruzzo Region 1
- Alentejo 1
- Algarve 1
- Andalusia 1
- Aragon 1
- Augsburg City 1
- Autonomous Province of Trento 1
- Auvergne Rhône Alpes Region 1
- Ave Intermunicipal Community 1
- Balearic Islands 1
- Banská Bystrica Self Governing Region 1

See indicators

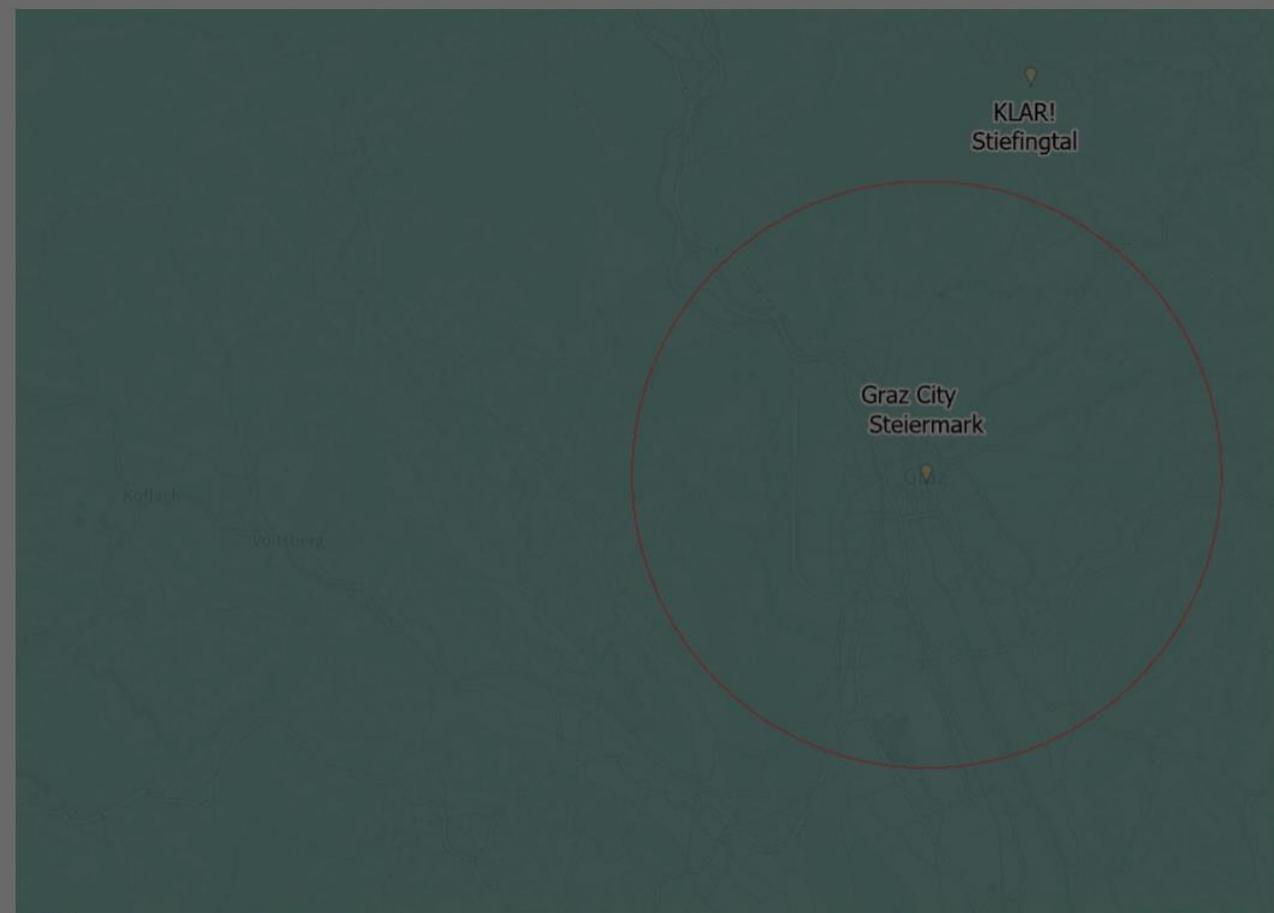
Weblink Adaptation Dashboard:
<https://climate-adapt.eea.europa.eu/en/mission/knowledge-and-data/data-dashboards>

The new Adaptation Dashboard for climate resilience in European regions



Adaptation Dashboard

Graz City (Signatory), Austria



REGIONS LOCAL AUTHORITIES

TYPE ^

- Mission signatory 185

COUNTRIES | ↻ ^

- Austria 10
- Belgium 4
- Bulgaria 13
- Croatia 3
- Cyprus 3

LOCAL AUTHORITIES | ↻ ^

- Graz City 1
- KLAR! Murraum Leoben 1
- KLAR! Naturpark Ötscher-Tormäuer 1
- KLAR! Steirische Eisenwurzen 1
- KLAR! Stiefingtal 1
- KLAR! Wachau-Dunkelsteinerwald-Jauerling 1
- KLAR! Zukunftsregion Ennstal 1
- March-Thaya-Auen 1
- Nockregion, Upper Carinthia 1
- Römerland Carnuntum, Lower Austria 1

See indicators

Weblink Adaptation Dashboard:
<https://climate-adapt.eea.europa.eu/en/mission/knowledge-and-data/data-dashboards>

TOWARDS CLIMATE RESILIENT SOCIETY - Outlook for 2023 - 2024

Policy developments



2023

March 2023

October 2023

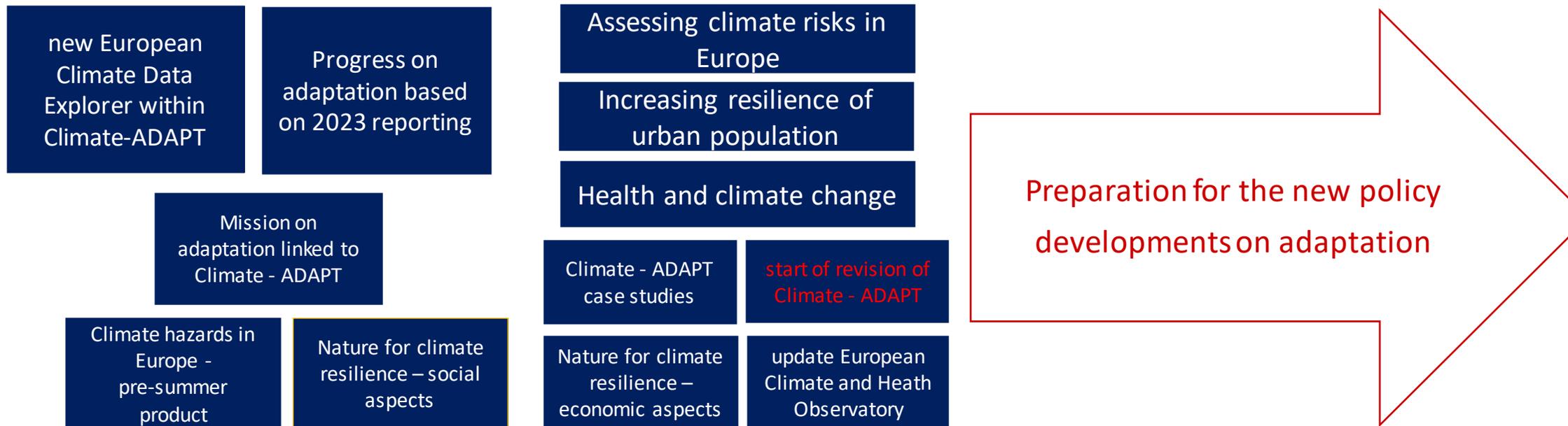
April 2024

May 2024

December 2024

2025

Planned products



Regular communication activities, supporting the policy implementation towards climate resilience



Added value of FoRISK

1

Risks do not respect national borders and are increasingly supranational in scope
-> **Need for increased collaboration across Europe, cross-border contact platform**

2

Knowledge exchange for pro-active, timely and consistent disaster management
-> **be prepared, share and learn from a greater pool of experience**

3

Common understanding for pressing problems and an uncertain future
-> **provide policy recommendations and good practice guidance as orientation**

4

Provide reliable, structural stability and enduring support
-> **enhance the resilience and mitigation potential of forests at pan-European level**

5

Outlook: Provide more timely information (f.e. early warnings)
-> **speed up the responses to new and unexpected events**

Wanted! Case studies on...

WANTED



REWARD

- **Good forestry practices which reduce vulnerability & enhance resilience and adaptive capacity**
...and deliver also better biodiversity and other co-benefits ('no regret measures')
- **Good practices of forest disaster preparedness, disaster response, and post-disaster recovery**
- **Good risk management and prevention practices**
e.g. application of risk assessment tools, early warning systems, disturbance monitoring and reporting systems, contingency plans, financial risk management tools

Wide and further growing outreach – increasing the visibility of your shared content

→ Fokke overview on web statistics 2019 to 2023 3 minutes

Outreach over time:

- Visits per month increased by 14 times since 2013 (2013: 2.800; 2019: ~20.000; 2021: ~34.000, 2022: ~40.000)

Second Semester of 2022:

- Weekly average visits: around 9500
- Weekly average page views: round 16.500

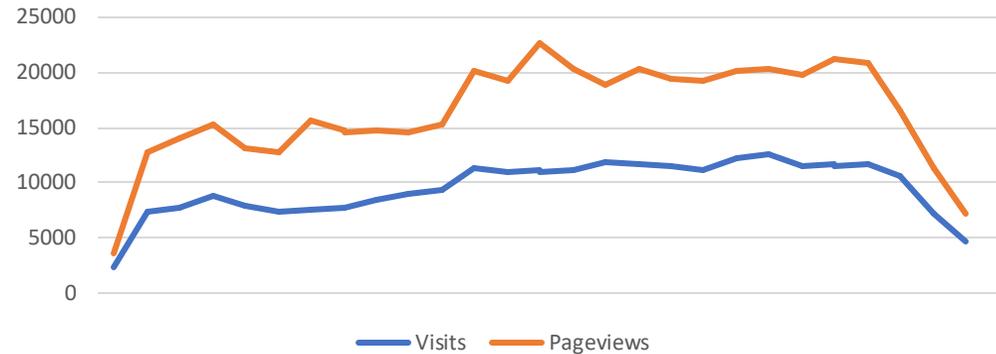
Most visited features:

- Around ~ 3000 pageviews on the EU Sector Policy/ Adaptation Strategy entry pages per month
- Country Profiles ~5500/m;
- Case Studies ~ almost 7000/m

New/updated content recognised

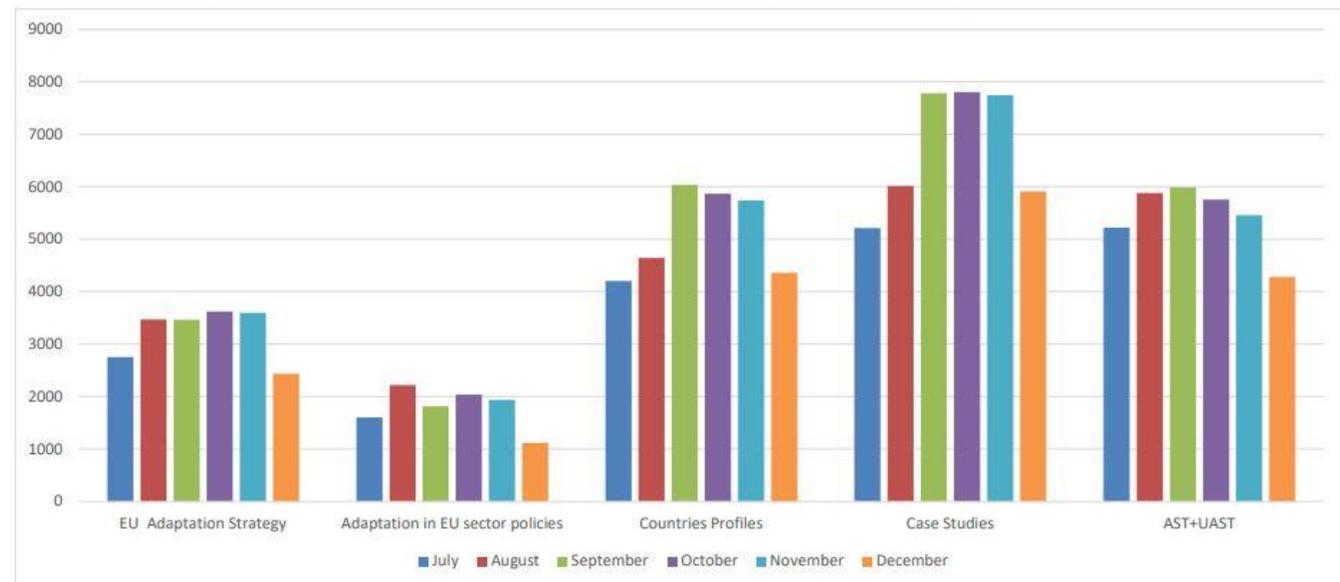
- Peak visits >2.200 per day (16-11-2022)

Evolution of number of Page views & Visits



2022- second semester

Evolution of Page Views of the Climate-ADAPT core content (monthly basis)



semester



Initial lessons learnt from 2016 case studies update

14 case studies update:

- 10 case studies updated, 3 with a light update only, using online sources)
- 1 case study archived (local provider not willing to present the case study online anymore)
- 1 case study kept in its original version
- 2 case studies not yet finished (Internal comment: *Malmö, Copenhagen*)

7 cases on funding of adaptation:

Lessons? Funding needs to be continuously available to ensure effective adaptation results?

4 case studies on water management

Flood management (*Internal comment: Greece, Bulgaria, Spain, Czechia*)

Drought (Portugal)

Lessons?

1 case study on urban adaptation (*internal comment:*

Lessons?

Time to share your knowledge on how to adapt forests!

Recommendation 1 – Improving the contribution to biodiversity and tackling climate change in forests

The Commission should draw up and apply an action plan to:

- (a) review the adoption and application of forest conservation measures within the EU;
- (b) collect and disseminate knowledge amongst Member States about how to adapt forests to climate change, in line with the new EU adaptation strategy.

 **Timeframe: 2023**

