



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



We will start at 10.00.

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 adaptation policies at national levels**
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,
European Environment Agency

The screenshot shows the homepage of the Climate ADAPT website. At the top left is the logo for Climate ADAPT, with the tagline "SHARING ADAPTATION KNOWLEDGE FOR A CLIMATE-RESILIENT EUROPE". To the right of the logo is a search bar labeled "Search Climate-ADAPT" and a navigation menu with links for "English", "Help", "News", "Events", and "Newsletter". Below the header is a blue navigation bar with five main 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 horizontal bar below the thumbnails contains six icons with labels: "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 the "EU Mission on Adaptation" featuring a logo and a "Go to the Mission Portal" button.

Topic I Informing the implementation of EU adaptation policies

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

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 mosquito...

[» 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 Mission on Adaptation

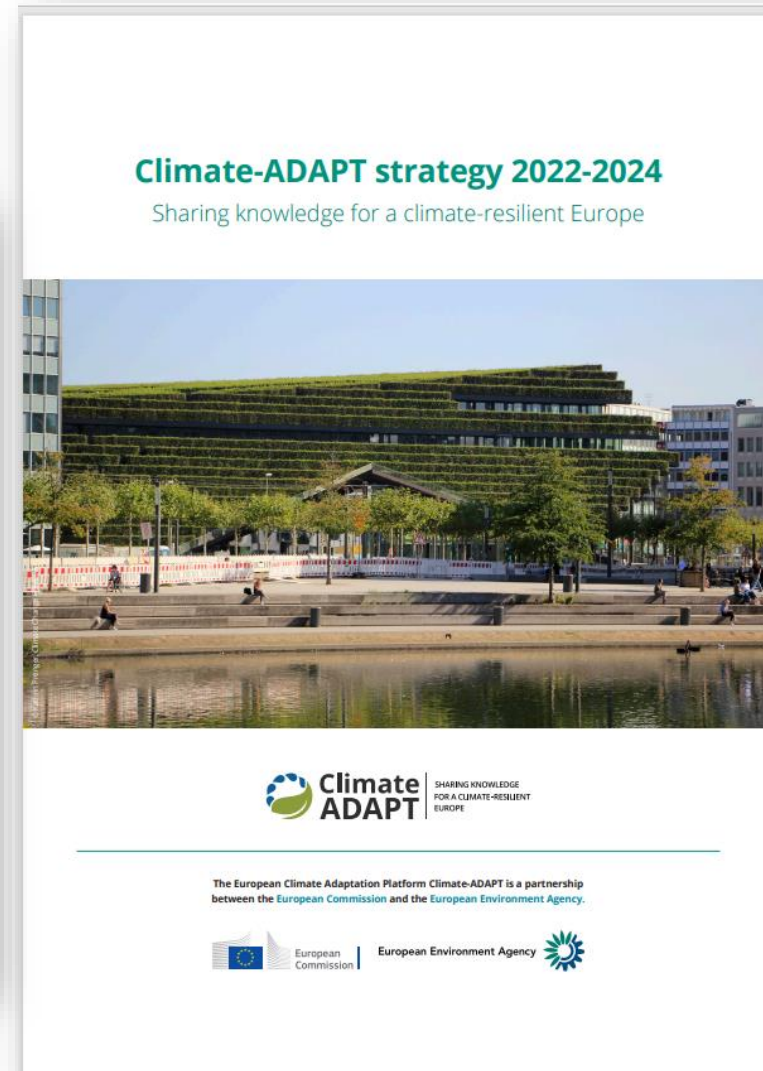
The EU Mission on Adaptation to Climate Change portal provides relevant information and resources to European regional and local authorities to prepare and plan for climate resilience.

[Go to the Mission Portal](#)

Implementing the 2022-2024 Climate-ADAPT Strategy

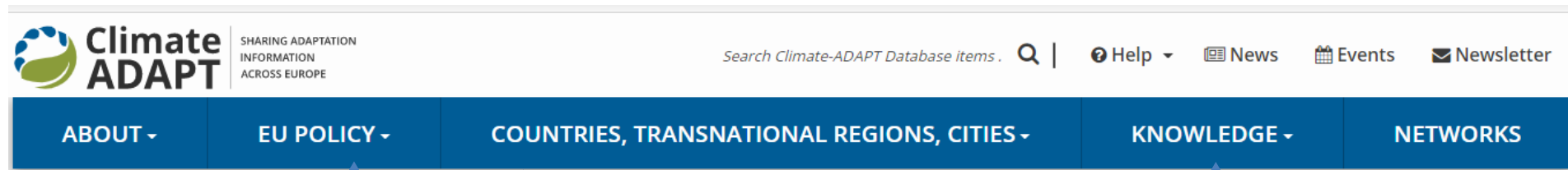
Table 1 Milestones and priority actions of the 2022-2024 Climate-ADAPT strategy

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



2023 Climate-ADAPT priorities

Preparing the migration to a new Content Management System and multilanguage sections



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

EU Mission on Adaptation to Climate Change Portal further developed

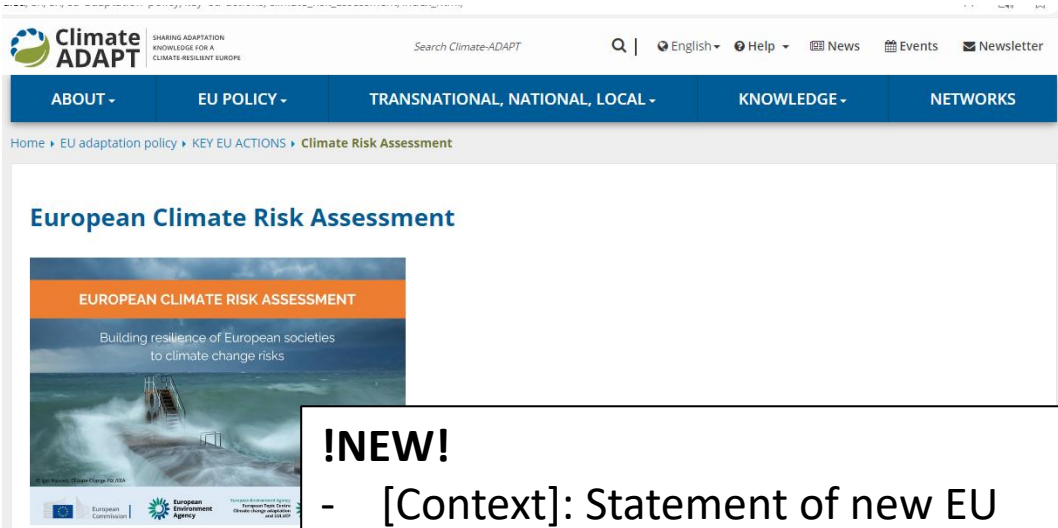
Smarter adaptation

- Various knowledge and data updated: Impacts, risks and vulnerabilities, loss data dashboard, European Climate Data Explorer
- European Climate and Health Observatory updated
- Populating the forestry section with case studies
- Improving case studies and adaptation options



Kati MATTERN

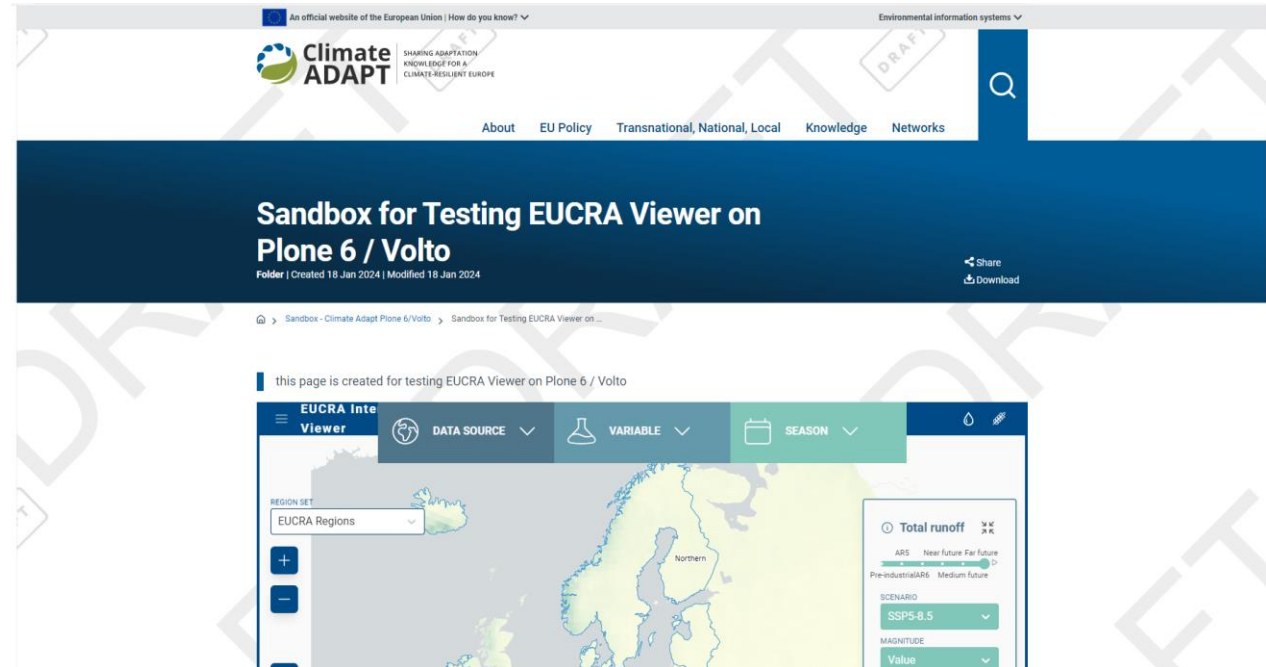
European Climate Risk Assessment



!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

AIR POLLUTANT FORECAST VIEWERS
NEW
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

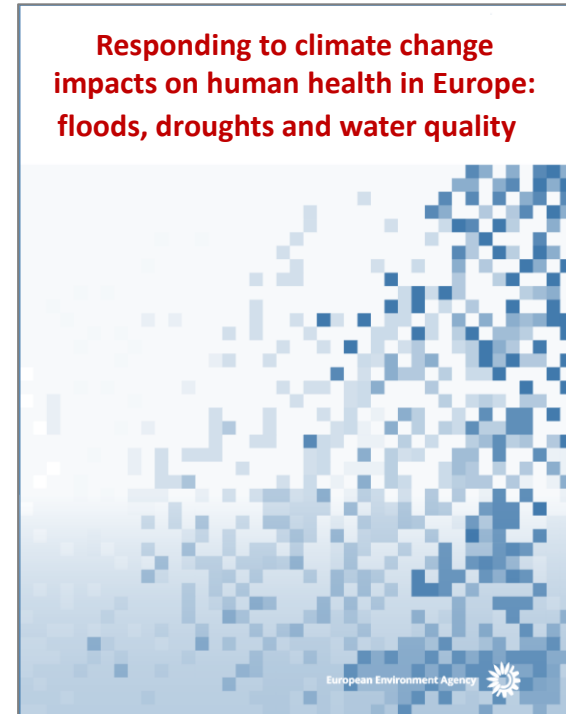
Piotr Kwatara, REDISCOVER Nature/EEA

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



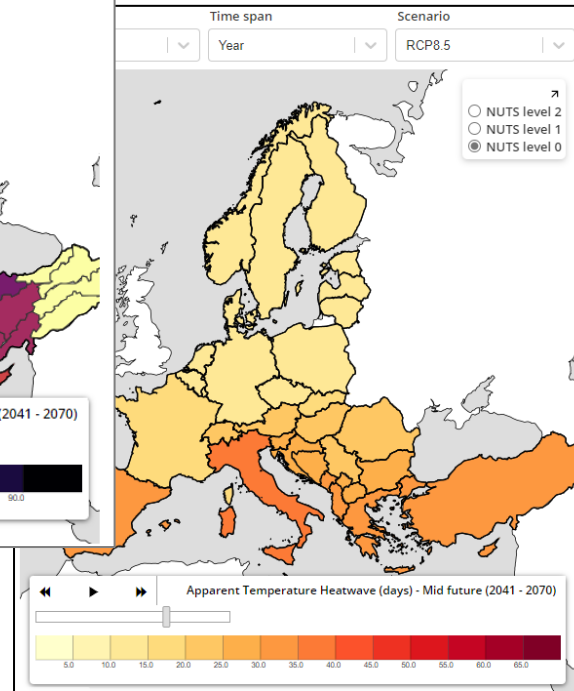
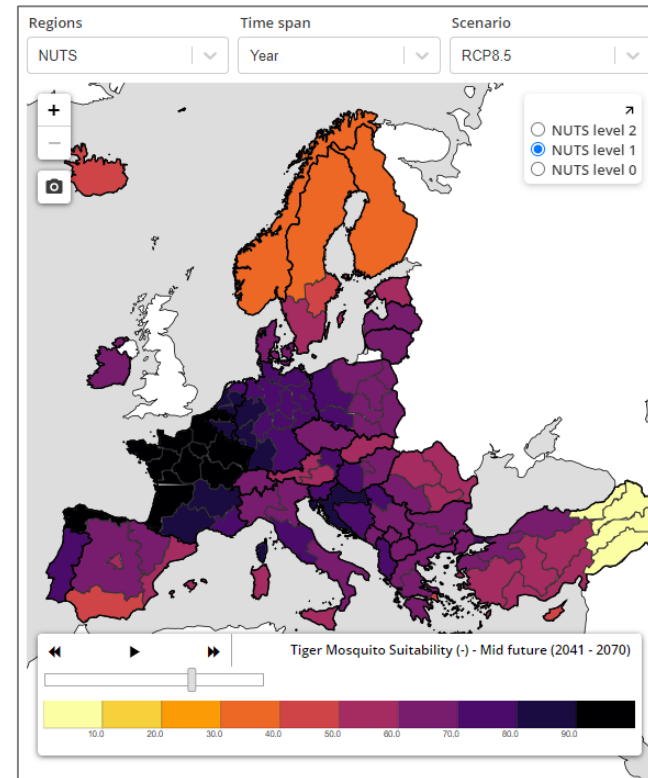
st relevance to human health prefer temperatures between :
eria can also survive outside of an animal's body. In aquatic
ommunities) are highest at temperatures between 10 and 15

- Climatic suitability
- Seasonality
- Climate change impact

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

New and updated indicators

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

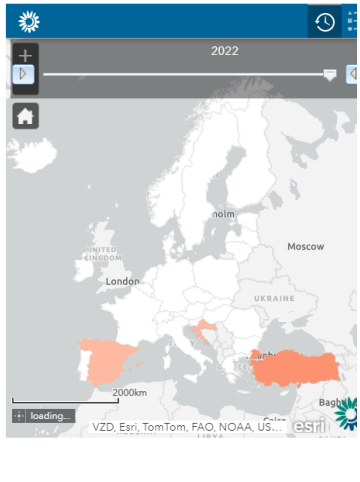


European Climate and Health Observatory

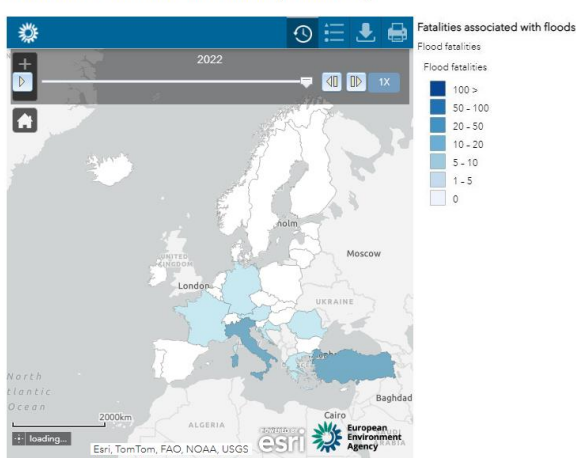
New and updated viewers

- **Fatalities due to wildfires and flooding**

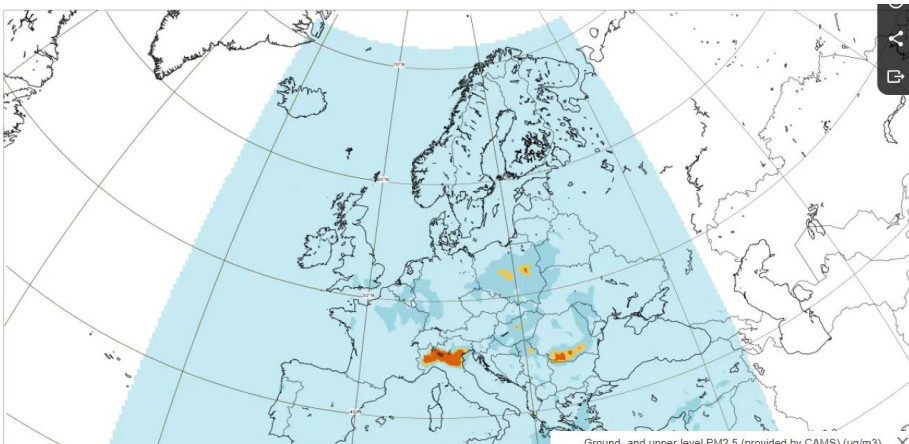
Fatalities associated with wildfires (1980-2022)



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 actions to address the health risks posed by the triple crisis of climate change, pollution and biodiversity loss. The Declaration prioritizes urgent, wide-ranging action on health challenges related to this triple crisis, and actions to address the health risks posed by the triple crisis of climate change, pollution and biodiversity loss. By adopting the Budapest Declaration, countries have committed to tackling air pollution, improving sanitation and hygiene services, integrating nature and biodiversity considerations into policies, and strengthening health systems. The Declaration promotes health sector engagement in climate change and makes the case for health sector engagement in climate change and makes the case for health sector engagement in climate change and makes the case for health sector engagement in climate change.

The Declaration promotes health sector engagement in climate change and makes the case for health sector engagement in climate change and makes the case for health sector engagement in climate change. 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 actions.

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
 - Link to Climate-ADAPT resources
- Ongoing progress but a revamped version will be launched at 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 in the 3rd Mission Forum in May 2024

Adaptation Dashboard for regions

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

Adaptation Dashboard

GO TO EU MISSIONS

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.

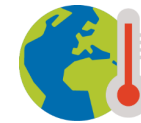
Search with a keyword...

Or search by

Types Countries

- Adaptation option (58 items)
- Case study (123 items)
- Guidance (147 items)
- Indicator (90 items)
- Information portal (212 items)
- Organisation (139 items)
- Publication reference (1014 items)
- Research and knowledge project (525 items)
- Tool (96 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 left is the logo for Climate ADAPT, with the tagline "SHARING ADAPTATION KNOWLEDGE FOR A CLIMATE-RESILIENT EUROPE". To the right of the logo is a search bar labeled "Search Climate-ADAPT" and a language selector set to "English". Further right are links for "Help", "News", "Events", and "Newsletter". Below the header is a blue navigation bar with five main menu items: "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". Below this row 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 adaptation policies at national levels

- 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 language options. 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 to 'Choose a country'. The central feature is a map of Europe with a legend titled 'Choose thematic map:'. The legend includes radio buttons for 'NATIONAL ADAPTION POLICY' and 'ADAPTATION PORTALS AND PLATFORMS'. The map uses three colors: dark blue for 'National adaptation policy reported in 2023', light blue for 'National adaptation policy not reported beyond mandatory reporting in 2023', and light grey for 'No data reported in 2023'. A grey area represents 'Outside EEA coverage'. Small inset maps for Malta, Liechtenstein, and Luxembourg are also visible.

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

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 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: © Raphael Quirós

Publications > Is Europe on track towards ...

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

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 • Established • Established	• CCCA Data Centre • Climate Change Centre Austria (CCCA) • 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		

SUMMARY

- NATIONAL CIRCUMSTANCES
- ASSESSMENT
- LEGAL & POLICY FRAMEWORKS
- STRATEGIES, PLANS & GOALS
- MONITORING & EVALUATION
- GOOD PRACTICES, COOPERATION & SYNERGIES
- SUB-NATIONAL ADAPTATION
- CONTACT

[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

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

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



Refresh data in this view

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.

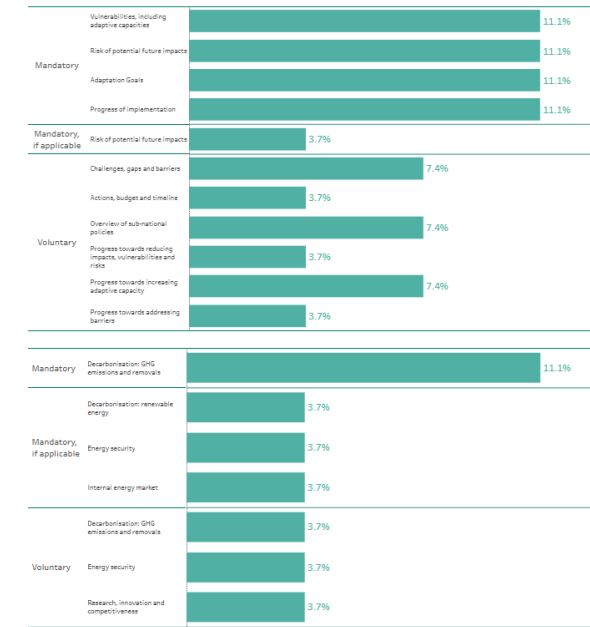
Country Overview

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	

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

Energy Community

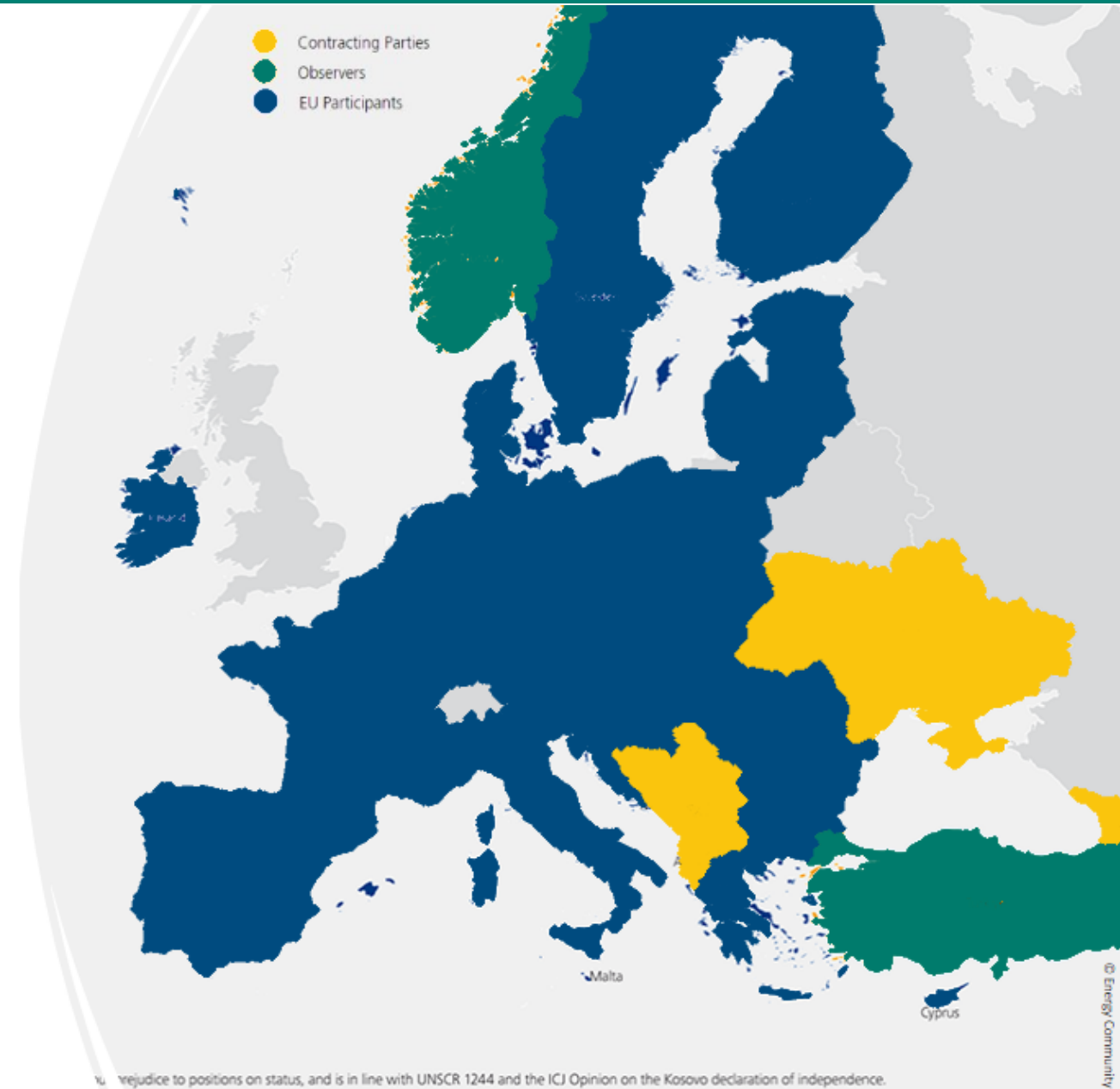
International organisation working to create an integrated pan-European energy market, extending EU's market into Western Balkans and Black Sea region.

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

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 consists of five blue buttons: "ABOUT", "EU POLICY", "TRANSNATIONAL, NATIONAL, LOCAL", "KNOWLEDGE", and "NETWORKS". The "TRANSNATIONAL, NATIONAL, LOCAL" button 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 summary and a "READ MORE" link. A row of five small thumbnail images follows: "About Climate-ADAPT", "webinar", "Latest News & Events", "Most recent Case Study", and "Most recent Publication or Report". Below this is a horizontal menu with six icons and labels: "New Features", "Search the Database", "EU Sector Policies", "Country Profiles", "Case Studies", and "Adaptation Support Tool". Underneath 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.

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**

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 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](#)

INDEX

- Brief intro
- Demonstration/explanation of the interface (non-interactive with screenshots)
- Roadmap 2024

New Adaptation Dashboard for climate resilience in European regions - Intro

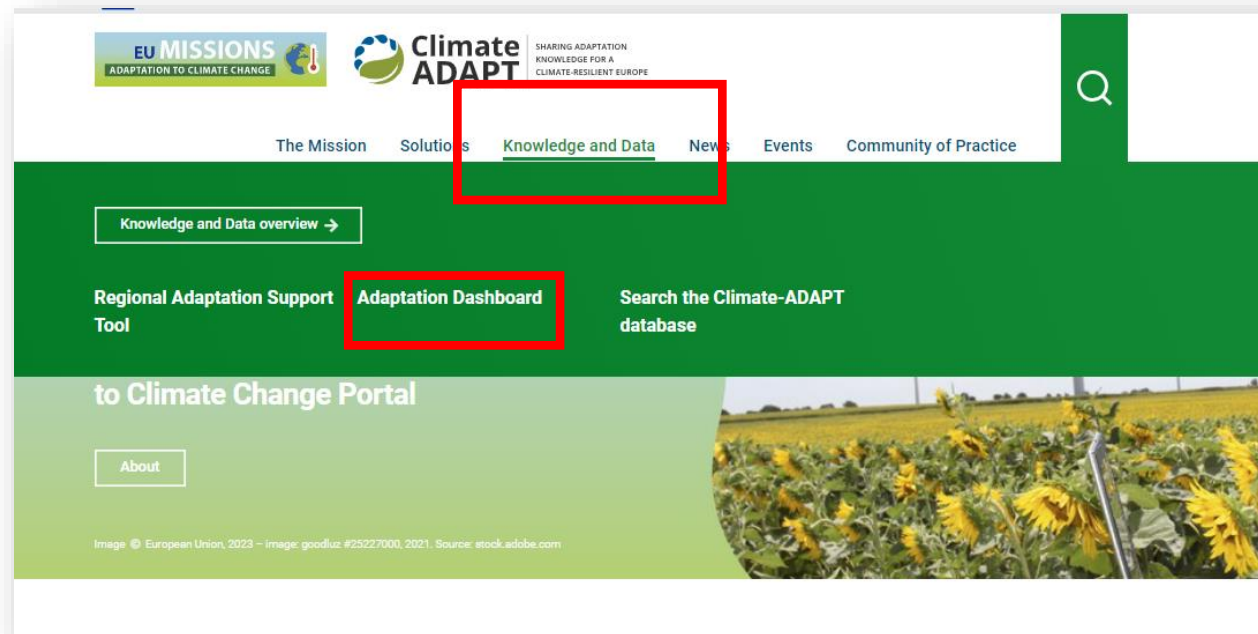
INTRO

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 inspiration 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 are available at different resolutions, from Country level to Functional Urban Areas
- ~~How to use it~~ → see following slides



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

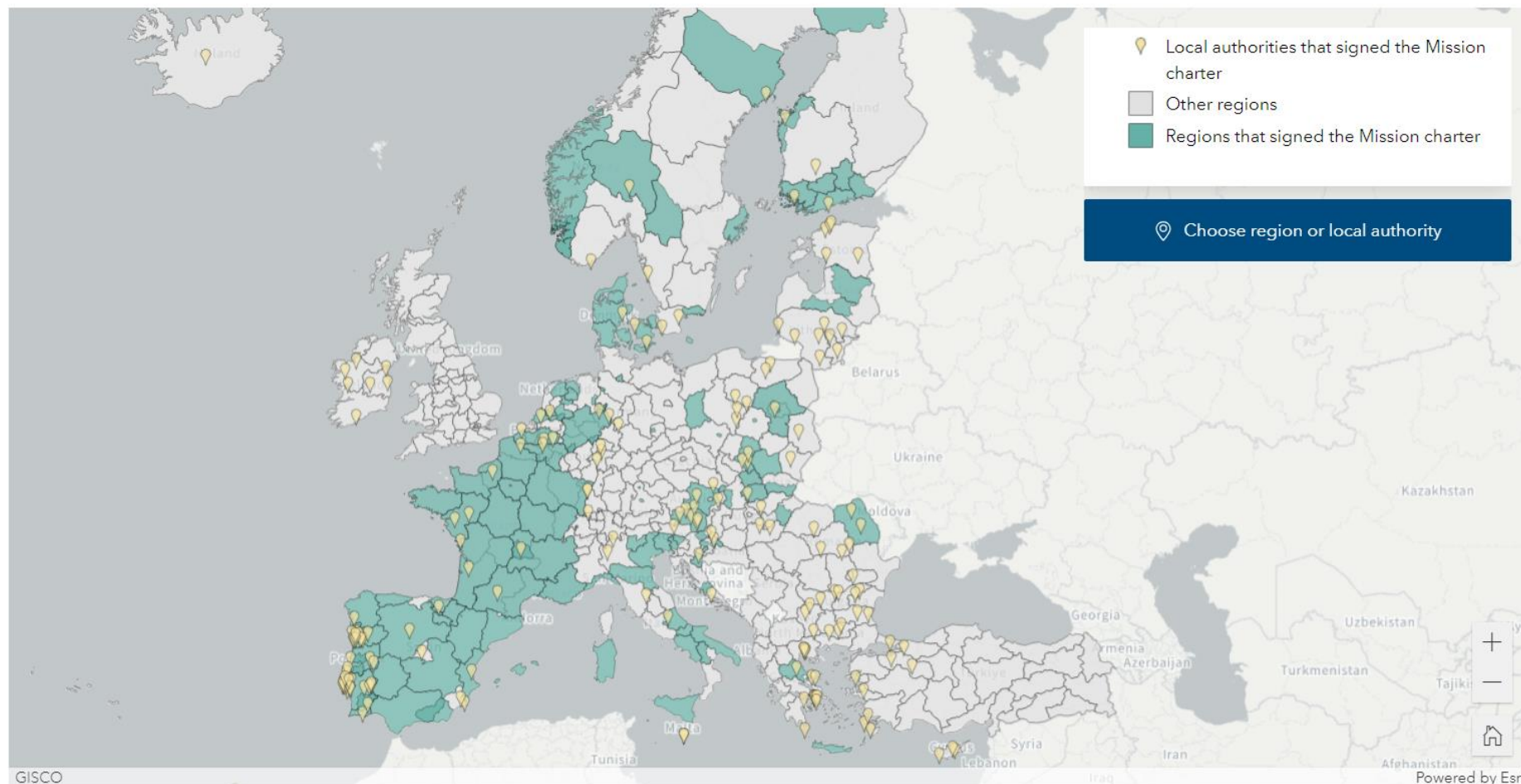


Adaptation Dashboard

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>

European Environment Agency



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

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

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



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:

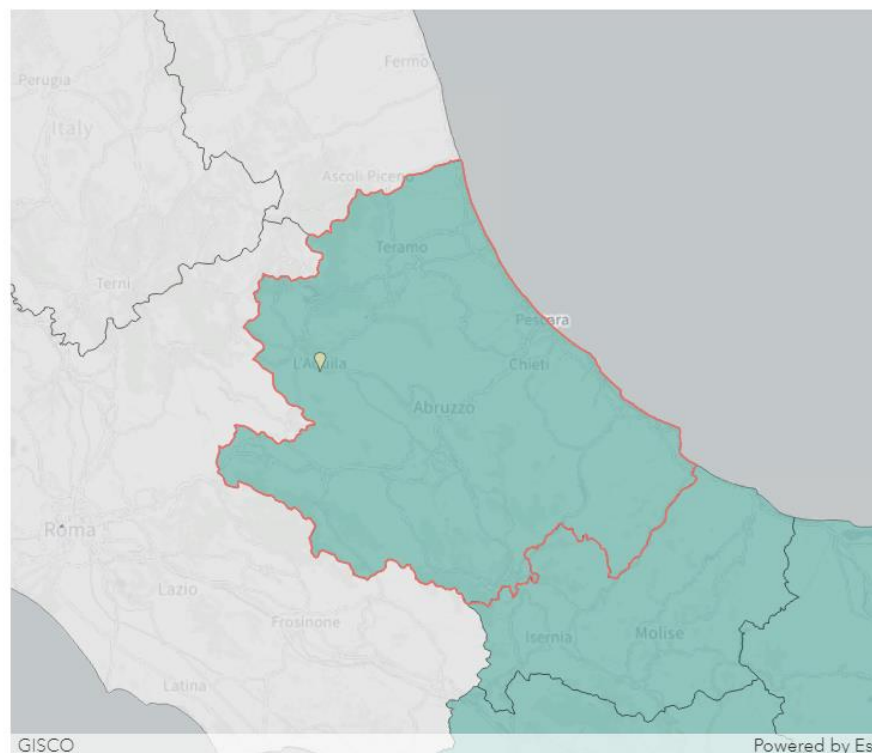
This region lies in the Continental zone*, where an increase in heat extremes and in energy demand for cooling is expected. There may also be an increasing risk of forest fires and river floods. Summer precipitation may decrease, as may the economic value of forests.

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>

European Environment Agency



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

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.

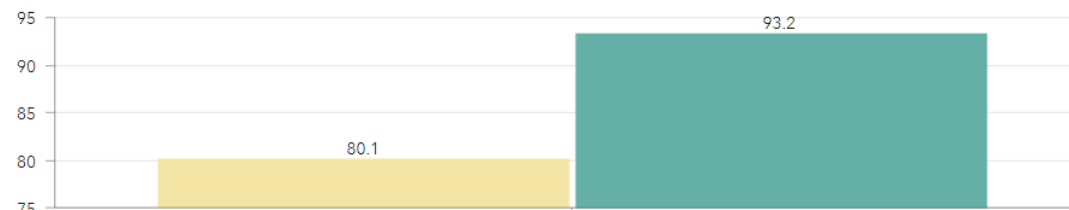
Indicators shown here give totals at the country level

€ 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

Wildfire fatalities 1980-2020



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

European Environment Agency



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



Adaptation Dashboard

GO TO



Abruzzo Region (Signatory), Italy

Choose another location

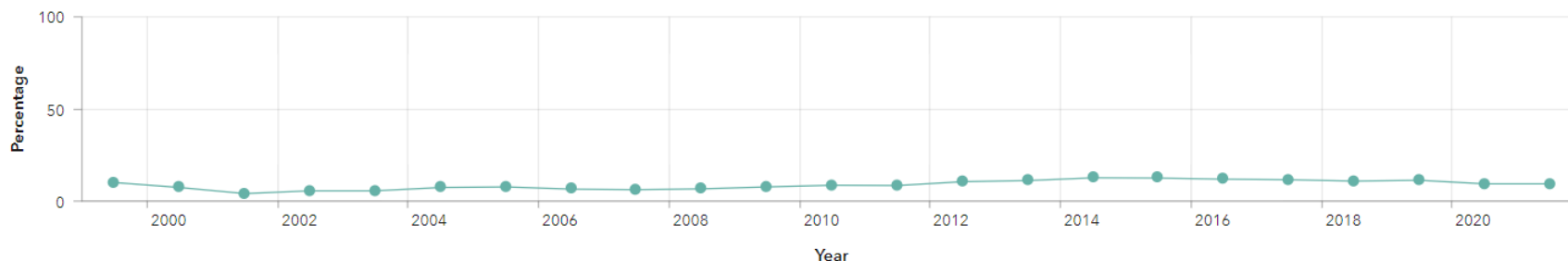
Go back to the map

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

Vulnerability is the **tendency** of the exposed system and its components to be **adversely affected**. Vulnerability is a product of **Sensitivity** (the degree to which a system or species can be affected by climate change) and **Adaptive Capacity** (the ability of people, sectors, or systems to adjust to potential damage, to take advantage of opportunities, or to respond to consequences).

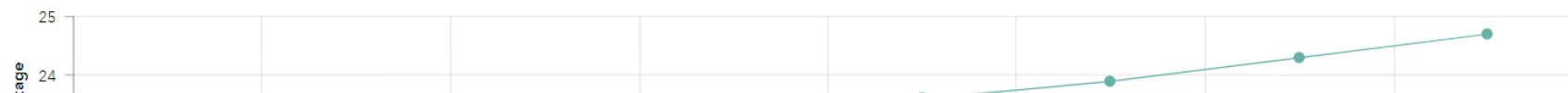
Sensitivity The lower these selected indicators are, the greater the potential resilience of a region and its population.

Share of unemployed people in working age population (%)



Data source

Share of people 65 years or older in the population (%)



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

European Environment Agency



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

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%

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

21%

% 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).

Weblink Adaptation Dashboard:

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

European Environment Agency



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](#)

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

Regions

NUTS

Time span

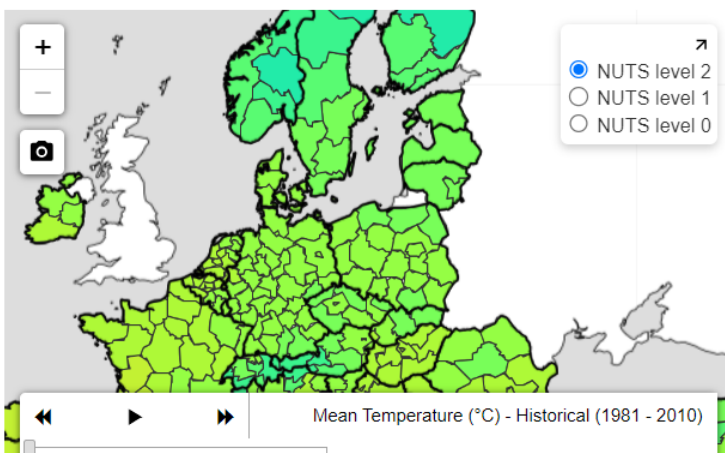
Year

Scenario

RC...

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.



Weblink Adaptation Dashboard:

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

European Environment Agency



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

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

Signatory cities

Scurcola Marsicana

Castiglione Messer Raimondo

Weblink Adaptation Dashboard:

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

European Environment Agency



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

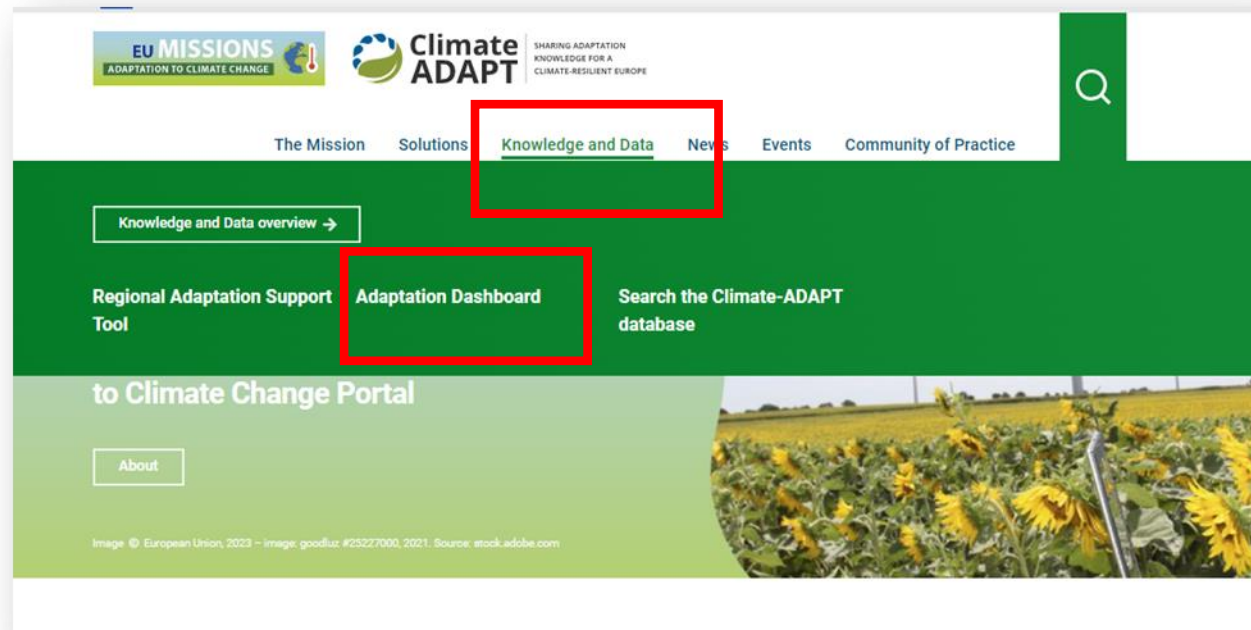
Roadmap 2024

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



Action plan for collecting and disseminating knowledge on forest adaptation through Climate-ADAPT and FISE October 2022

1 Objectives

Climate change means forest change. Marked by early and heavy wildfires, widespread drought damages, bark beetle outbreaks and other impacts, but also by socio-economic processes, the transformation of many forests in Europe has already started. It can be expected to progress further in the near future, as warming will continue and large parts of European forests are substantially vulnerable to climate change impacts.

To manage these risks, stabilise forests, and support a sustainable transformation towards better climate resilience, biodiversity and healthy condition, many forests require immediate action. There is an urgent need to support appropriate management and restoration measures that adequately consider uncertainty, adaptability, and resilience.

Whilst most forest owners are aware of climate change and are worried about its impacts, lack of knowledge and practical information, in addition to insufficient incentives, prevent tangible adaptation actions in many cases^{1,2}.

Implementing the EU Forest Strategy, EU Adaptation Strategy and recommendation of the European Court of Auditors (see Annex II for more details), this document sets out EU-level actions to collect, disseminate and promote knowledge on how to adapt forests to climate change and strengthen their resilience, using notably Europe's Climate-ADAPT knowledge exchange platform and the Forest Information System for Europe (FISE).

Knowledge needs exist notably in the following areas:

- Good forestry practices which reduce vulnerability, enhance resilience and adaptive capacity; strengthen biodiversity; and deliver other co-benefits such as carbon sequestration and other ecosystem services ('no regret measures')
- Good practices of forest disaster prevention, preparedness, disaster response, and post-disaster recovery
- Good (financial) risk management and prevention practices like risk assessment and mapping tools; early warning systems; disturbance monitoring tools using earth observation technologies; reporting systems, contingency plans; financial risk management tools etc.

¹ Seiva-Silva, R. et al. (2018) Adapting forest management to climate change in Europe: Linking perceptions to adaptive responses. *Forest Policy and Economics*, Volume 90, Pages 22-30. <https://doi.org/10.1016/j.forpol.2018.01.004>

² Nina M. Mostegl, Ulrike Probst-Haider, Robert Jandl, Wolfgang Haider (2018) Targeting climate change adaptation strategies to small-scale private forest owners. In: *Forest Policy and Economics*, Volume 99, pp 83-99. <https://doi.org/10.1016/j.forpol.2017.10.001>

Creating a new landing page on forest adaptation

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

The screenshot shows the Climate-ADAPT website landing page. At the top, there's a search bar and navigation links for 'ABOUT', 'EU POLICY', 'TRANSNATIONAL, NATIONAL, LOCAL', 'KNOWLEDGE', and 'NETWORKS'. The main banner features a forest scene with the text: 'Learn more about how forests can adapt to climate change to stay healthy, diverse, resilient and productive'. Below the banner, there are several featured content blocks with icons and titles: 'Tools and data', 'Adaptation Options and Case Studies', 'Resource catalogue', 'Policy overview', and 'Funding and Financing'. The bottom section highlights four key resources: 'European Climate Data Explorer', 'Forest Information System for Europe', 'European Drought Observatory', and 'The European Forest Fire Information System', each with a brief description of its purpose.

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

Starting point:

- 12 case studies on Climate-ADAPT related to forestry related adaptation
- 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 cases for illustrating

- Enabling factors (governance)
- Practical examples for adaptation practitioners

In cooperation with:



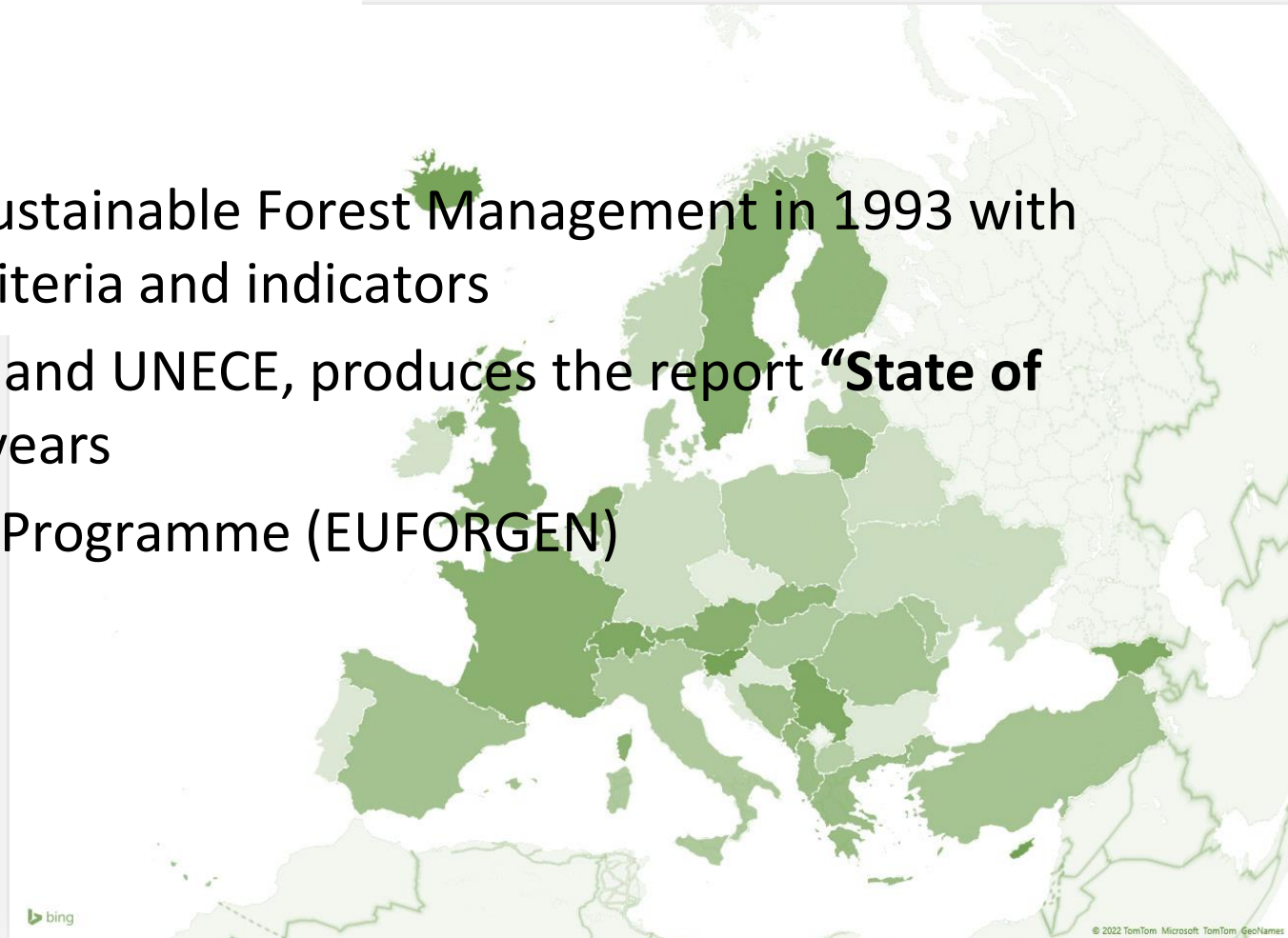
The Case study explorer provides also access to case studies prepared at national level in Spain, provided by the Platform for the exchange and consultation of information on adaptation to climate change in Spain AdapteCCA.es.



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

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 as a consequence of industrial emissions
- 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

EFI

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) 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.



Contact:
julia.haas@foresteurope.org



5 Good Reasons to establish **FoRISK** now

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**



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



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

© Frederik Vaes

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



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

'No regret' forestry practices: some examples

WANTED



REWARD

- Switching forest management to continuous cover systems & keeping forest canopies as dense as possible
- Restoring diversity in forests (tree species, genetic, broader biodiversity; diversity in management styles)
- Avoid forest operations which lead to soil hydrophysical degradation and soil compaction
- Transforming even-aged forest stands into uneven-aged
- 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
- Near-time, wall-to-wall, regular forest condition monitoring

Contact: julia.haas@foresteurope.org

The Sonian Forest (Belgium)

The situation:

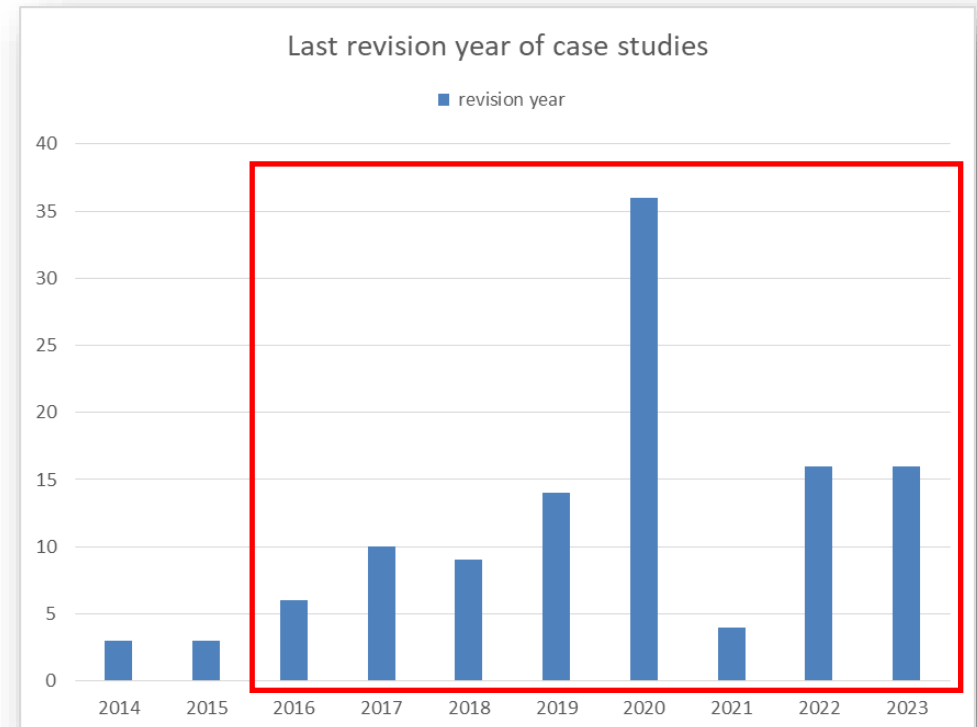
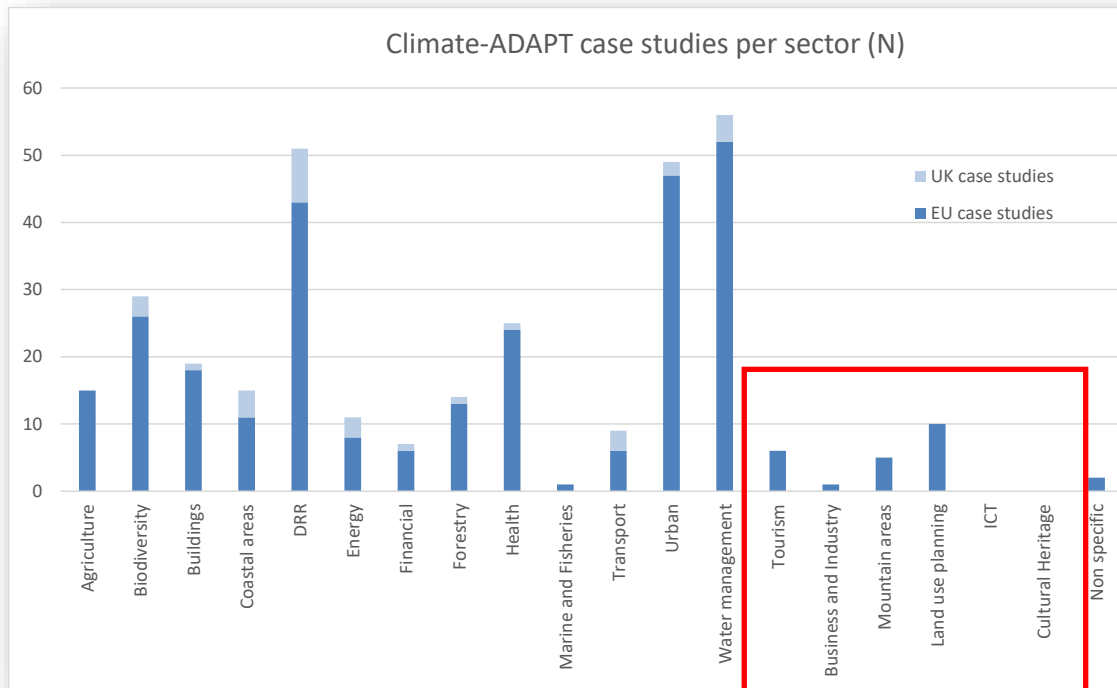
- mainly beech trees (65 %), uniform in age ~ 140 yrs
- highly isolated and fragmented, peri-urban forest
- intense recreational pressure, air and water pollution from city nearby (Brussels)
- Natura 2000, UNESCO world heritage site,...
- CC driven heat and drought



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 across the EU



Supporting mainstreaming in six additional EU policy sectors

2023: Making *current* case studies accessible which illustrate the implementation of EU adaptation policies in those sectors

2024: Developing *new* illustrative examples of adaptation governance and practical implementation in those sectors

Showing relevant case studies

2023: Updating 10 case studies, published in 2016

2024: Continue to close gaps for impacts, sectors, Key Type Measures, geographic areas

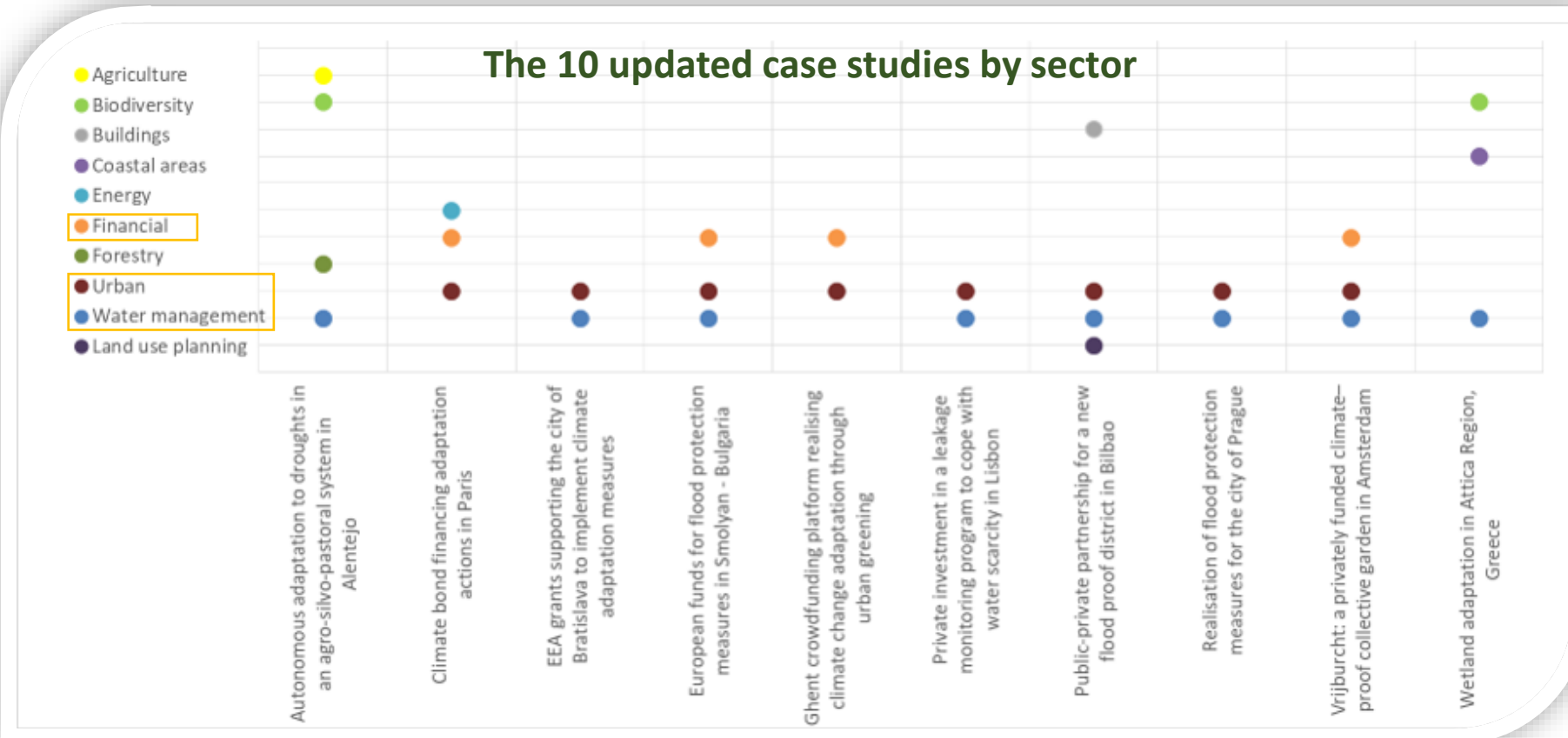
Climate-ADAPT case studies for learning on potential adaptation solutions across the EU

14 case studies considered 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 is possible)
- 2 case studies not yet finished ()

The 10 updated case studies show that:

- **Water management and urban** are the most represented sectors (reflecting the whole content of Climate-ADAPT case studies)
- **Financial:** 4 cases highlighting the use of *EU funding, private resources and crowdfunding*. Lack of continuous funding flows make it difficult to follow the adaptation actions over time.



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

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
- 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

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 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](#)

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)
- Understanding and how well Climate-ADAPT fulfils its tasks and identify new policy requests and knowledge needs
- Ad-hoc based update of web pages and resources catalogue (database)
- Focus on case studies and adaptation options

2025:

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

- Climate-ADAPT outreach

Fokke

5 minutes

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: around 16.500

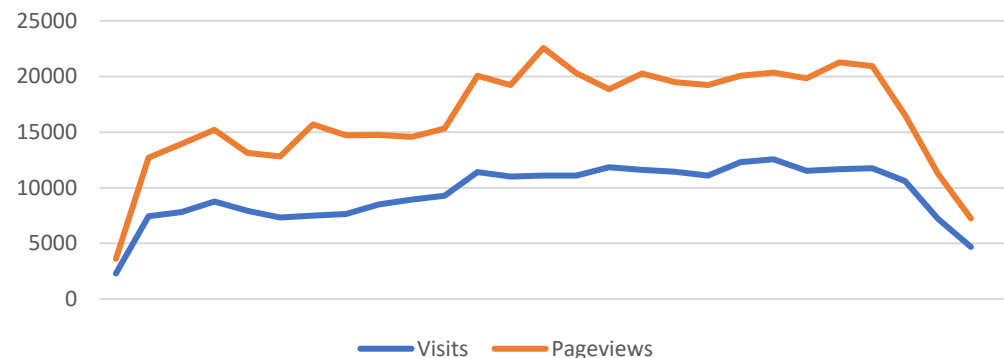
Most visited features:

- 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

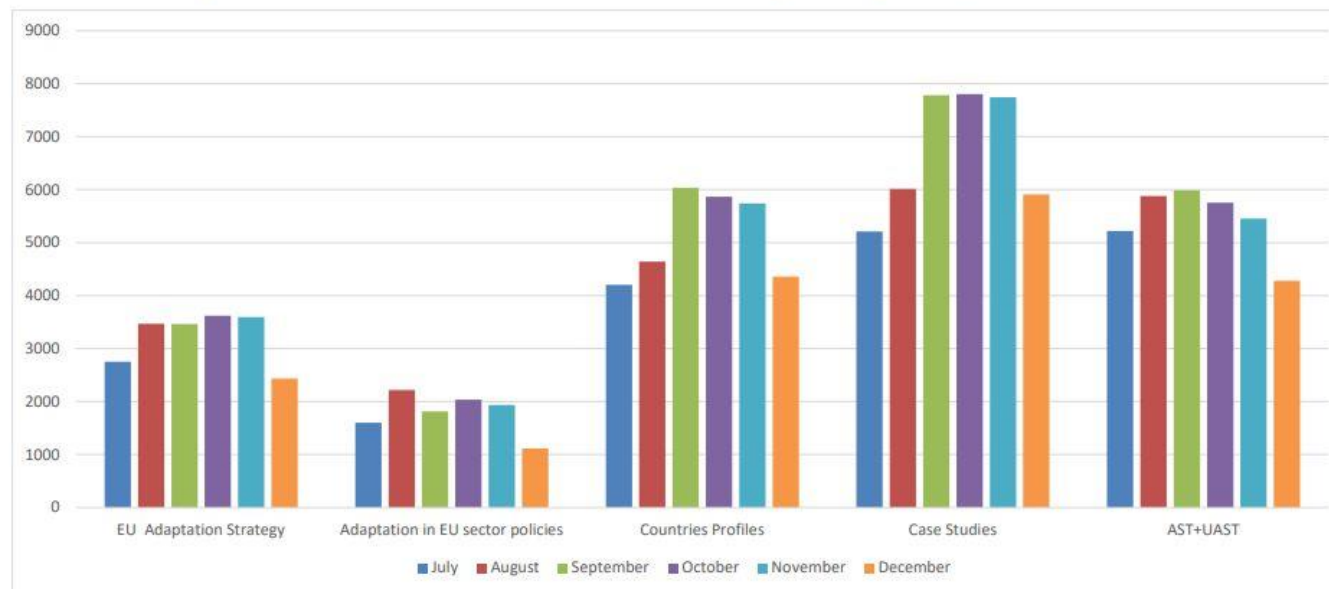
- Peak visits >2.200 per day (16-11-2022)

Evolution of number of Page views & Visits



2022- second semester

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



2022- second semester

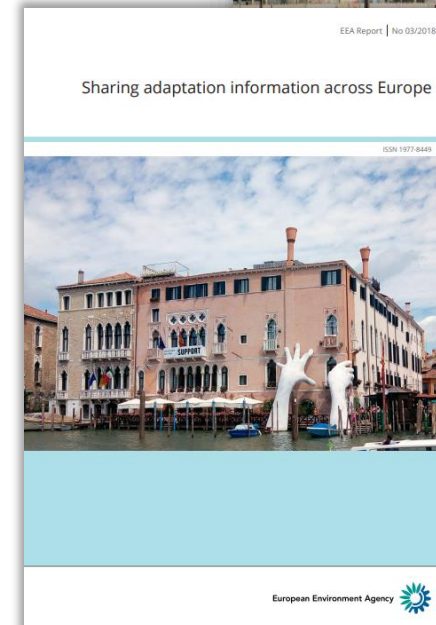
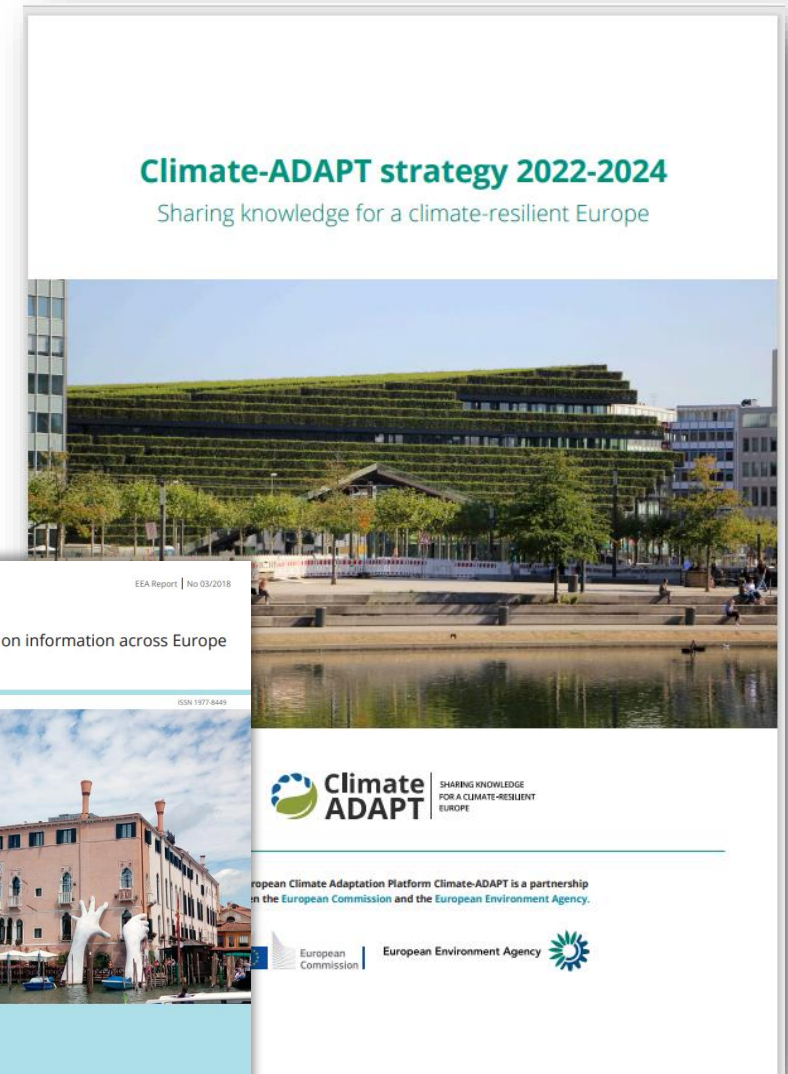


Climate-ADAPT evaluation – scope, objectives and approach

Previous evaluation: 2017

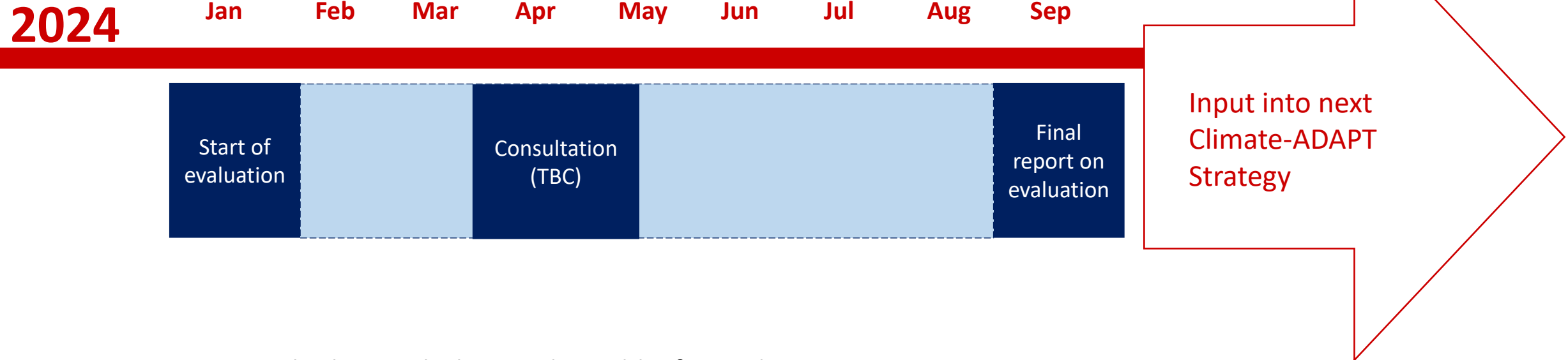
2024 Evaluation:

- 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



NB: I think it might be good to add a few indicative engagement moments to this timeline such as the (currently randomly situated) consultation point

The final version of the Ramboll proposal I have does not provide more data though – were they discussed in the inception meeting in December?

Climate-ADAPT evaluation – opportunity for input

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.

[add link to survey]

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". To the right is a search bar and navigation links for English, Help, News, Events, and Newsletter. A main 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 several category tiles: "New Features", "Search the Database", "EU Sector Policies", "Country Profiles", "Case Studies", and "Adaptation Support Tool". A section for "EU Mission on Adaptation" includes links to "EU Mission on Adaptation", "European Climate and Health Observatory", "European Climate Data Explorer", and "European Climate Risk Assessment (EUCRA)". A banner for the "EU MISSIONS ADAPTATION TO CLIMATE CHANGE" portal is also present, with a "Go to the Mission Portal" button.

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

12 case studies on Climate-ADAPT

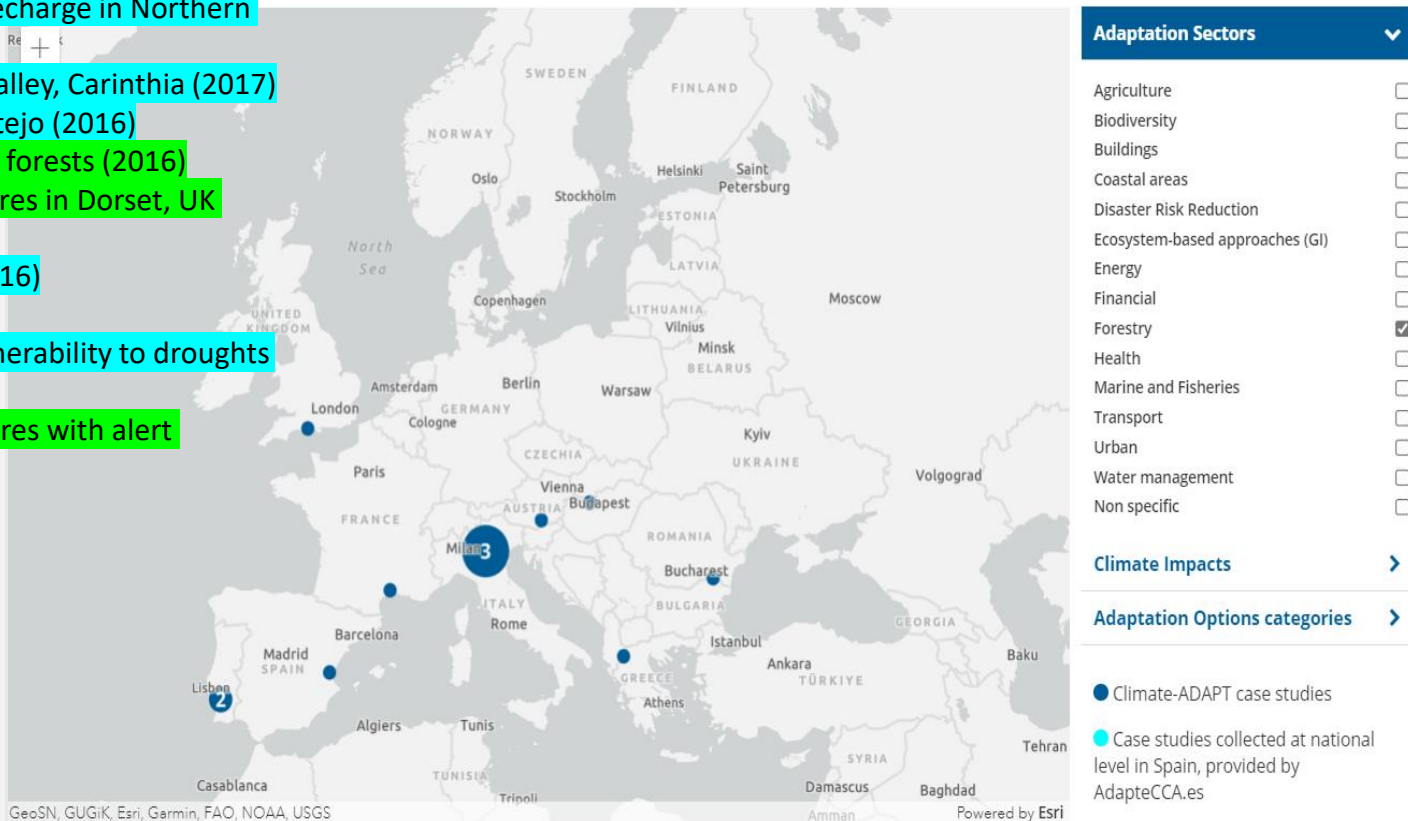
3 out of those are directly addressing adaptation in the forestry sector

9 cases aim at other objectives such as water management (6 cases), DRR, urban adaptation)

Preselected case studies
on adaptation in the
forestry sector

1. The integrated system of Nature-based Solutions to mitigate floods and drought risks in the Serchio River Basin (Italy) (2022)
2. Building fire resilience using recycled water in Riba-Roja de Túria, Spain (2022)
3. Nature-based measures against rockfalls over forests in the Engadin Region, Switzerland (2018)
4. Bosco Limite - A participatory strategy of water saving and aquifer artificial recharge in Northern Italy (2018)
5. Securing future water supply on regional and local level in the River Lavant Valley, Carinthia (2017)
6. Autonomous adaptation to droughts in an agro-silvo-pastoral system in Alentejo (2016)
7. CALCHAS - An integrated analysis system for the effective fire conservancy of forests (2016)
8. Financial contributions of planning applications to prevention of heathland fires in Dorset, UK (2016)
9. Lower Danube green corridor: floodplain restoration for flood protection (2016)
10. Agroforestry: agriculture of the future? The case of Montpellier (2016)
11. Tamera water retention landscape to restore the water cycle and reduce vulnerability to droughts (2016)
12. Tatabánya, Hungary, addressing the impacts of urban heatwaves and forest fires with alert measures (2015)

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.



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:*

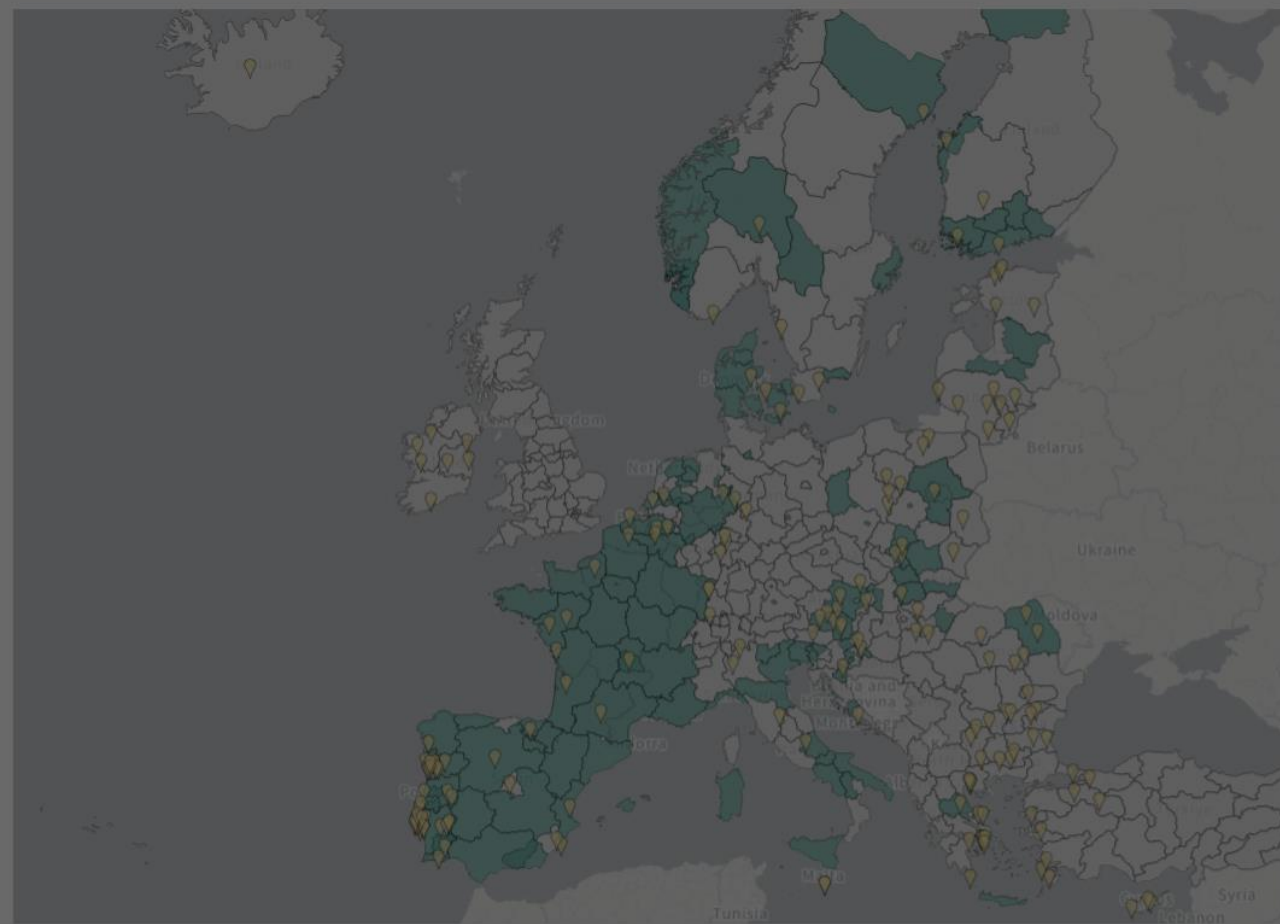
Lessons?

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>

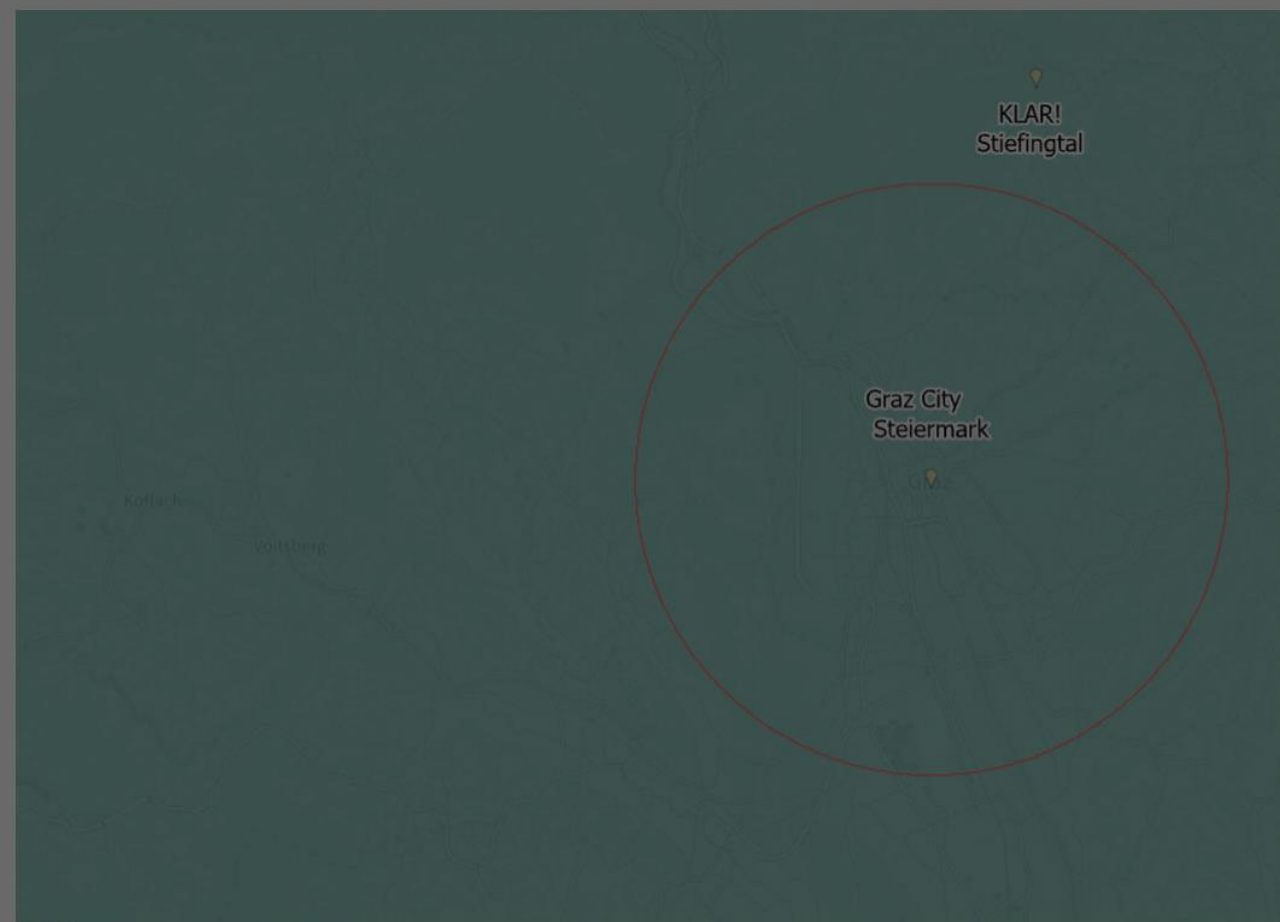


The new Adaptation Dashboard for climate resilience in European regions



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>

European Environment Agency



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**



TOWARDS CLIMATE RESILIENT SOCIETY - Outlook for 2023 - 2024

Policy developments



Belgium presidency of the Council of the EU

2023

March 2023

October 2023

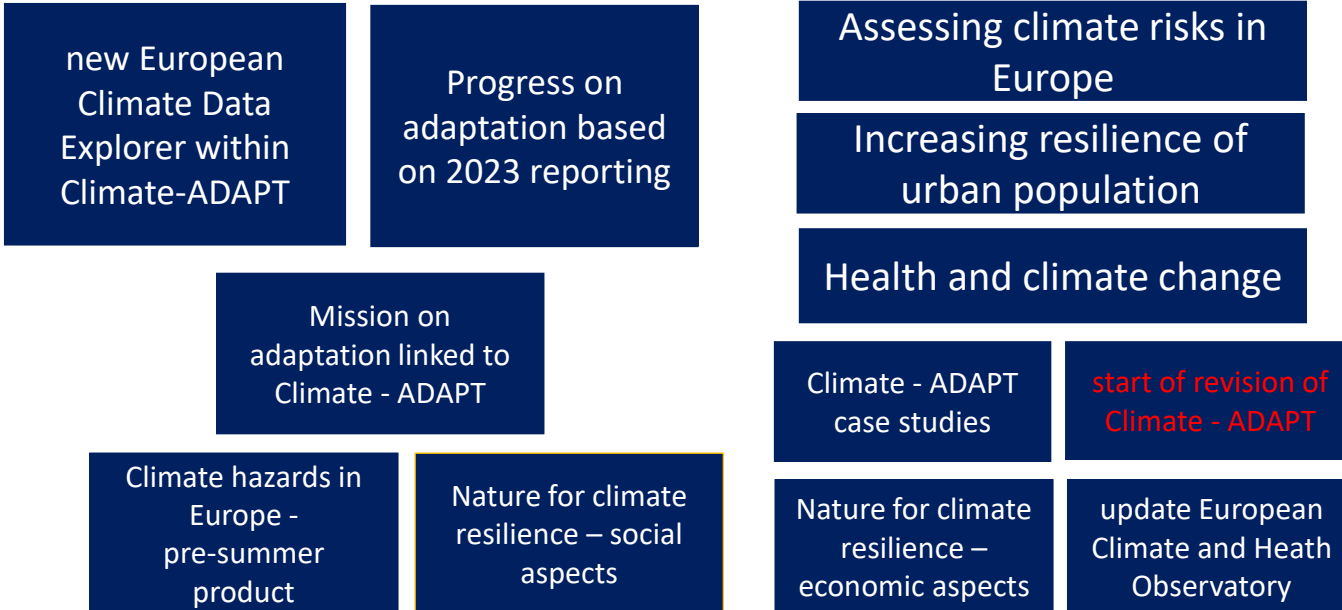
April 2024

May 2024

December 2024

2025

Planned products



Regular communication activities, supporting the policy implementation towards climate resilience



Climate change impacts on forests



Supporting adaptation in a key vulnerable sector – new case studies

