

For our Environment

Umwelt
Bundesamt

KomPass 
Kompetenzzentrum
Klimafolgen und Anpassung

adelphi 

accenture 

Webinar on
**Climate risk assessments in the
context of the EU Taxonomy**

19. April 2023

10 – 11.15 am

How to perform a robust climate risk and vulnerability assessment for EU taxonomy reporting?

Recommendations for companies

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Thomas Loew, accenture
Inke Schauser, German Environment Agency (UBA)

Download:

<https://www.umweltbundesamt.de/publikationen/how-to-perform-a-robust-climate-risk-vulnerability>



German Environment Agency

9. November 2022

How to perform a robust climate risk and vulnerability assessment for EU taxonomy reporting?

Recommendations for companies

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Agenda

10:00	Start of the event	
10:00	Welcome, overview of the agenda and introduction to climate risk assessments in Europe	UBA
10:10	<p>Presentation of recommendations on how to perform a robust climate risk and vulnerability assessment for EU Taxonomy reporting:</p> <ul style="list-style-type: none">• Overview on the role of climate risk assessments in the EU Taxonomy and the requirements for such assessments• Presentation of key steps: preparation, screening, climate risk assessment, identification of adaptation solutions	adelphi and Accenture
10:30	Envisaged practical challenges in carrying out a robust climate risk and vulnerability assessment for EU Taxonomy reporting	Prof. Dr. Oliver Beyhs, Certified Public Auditor (GER), Management Advisor
10:40	Questions and discussion	All
11:10	Outlook and farewell	UBA
11:15	End of the event	

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Climate risk assessments in Europe and Germany

Dr. Inke Schauser

German Environment Agency (UBA)
KomPass - Climate Impacts and Adaptation

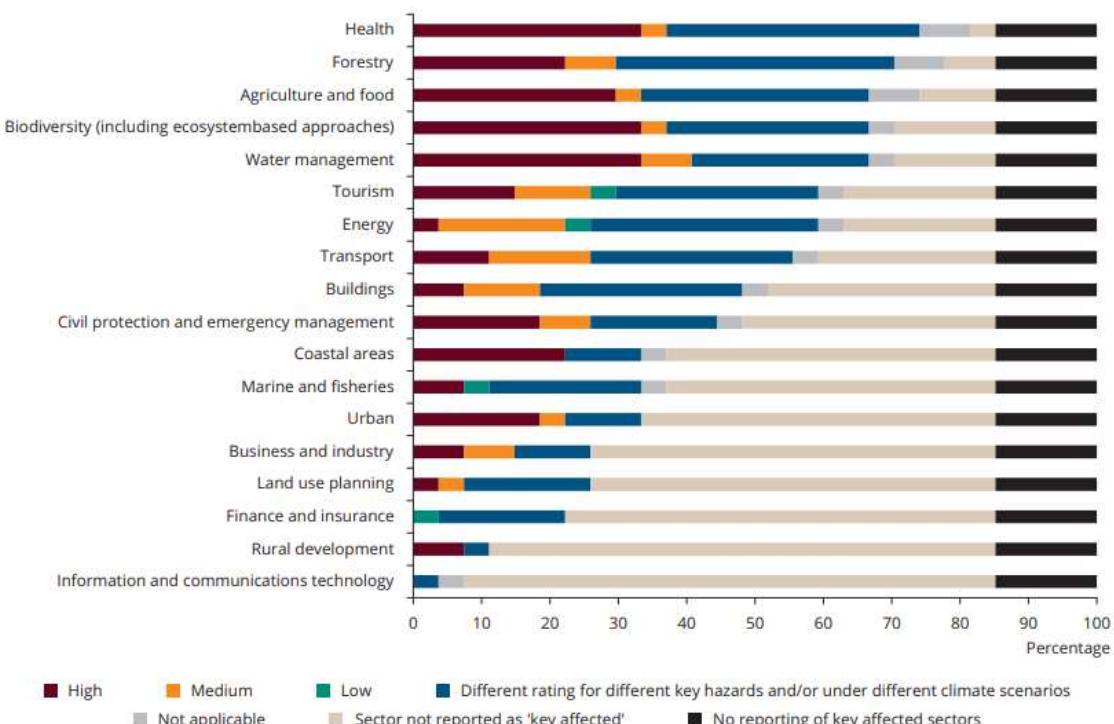
National Adaptation Strategies (NAS) and Climate Risk Assessments (CRA) in Europe

- Since **2004** EEA reports on climate change, impacts and vulnerabilities
- **2005** first NAS (Finland)
- **2013** European Adaptation Strategy (updated 2020)
- **2021** all EU member states had NAS and CRA
- **2024** European Climate Risk Assessment (EUCRA)

More information:

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

Figure 2.3 Risk of future climate impacts on key affected sectors



Notes: Data are for the EU-27. The graph includes 236 out of 249 reported key affected sectors.

Source: EEA (2022b).

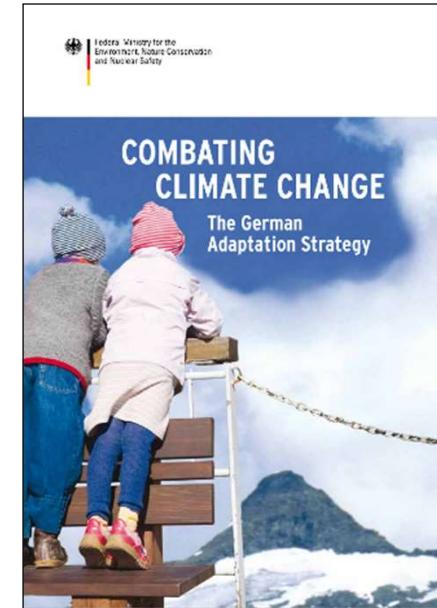
EEA Report No 11/2022

Advancing towards climate resilience in Europe: status of reported national adaptation actions in 2021

National Adaptation in Germany

Process

- 2005 first climate impacts and risk assessment
- 2008 National Adaptation Strategy (**DAS**)
- 2011 first Adaptation Action Plan (APA)

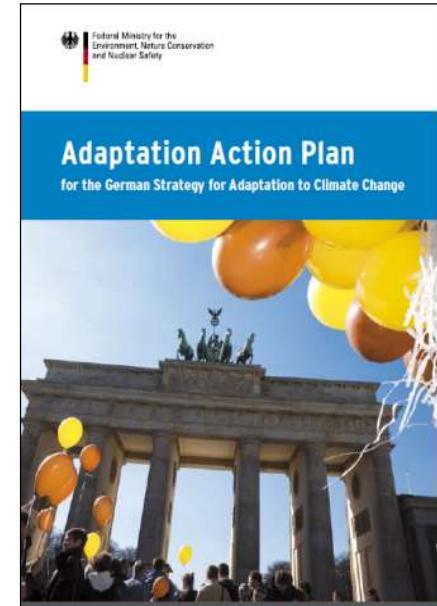


Cross sectoral

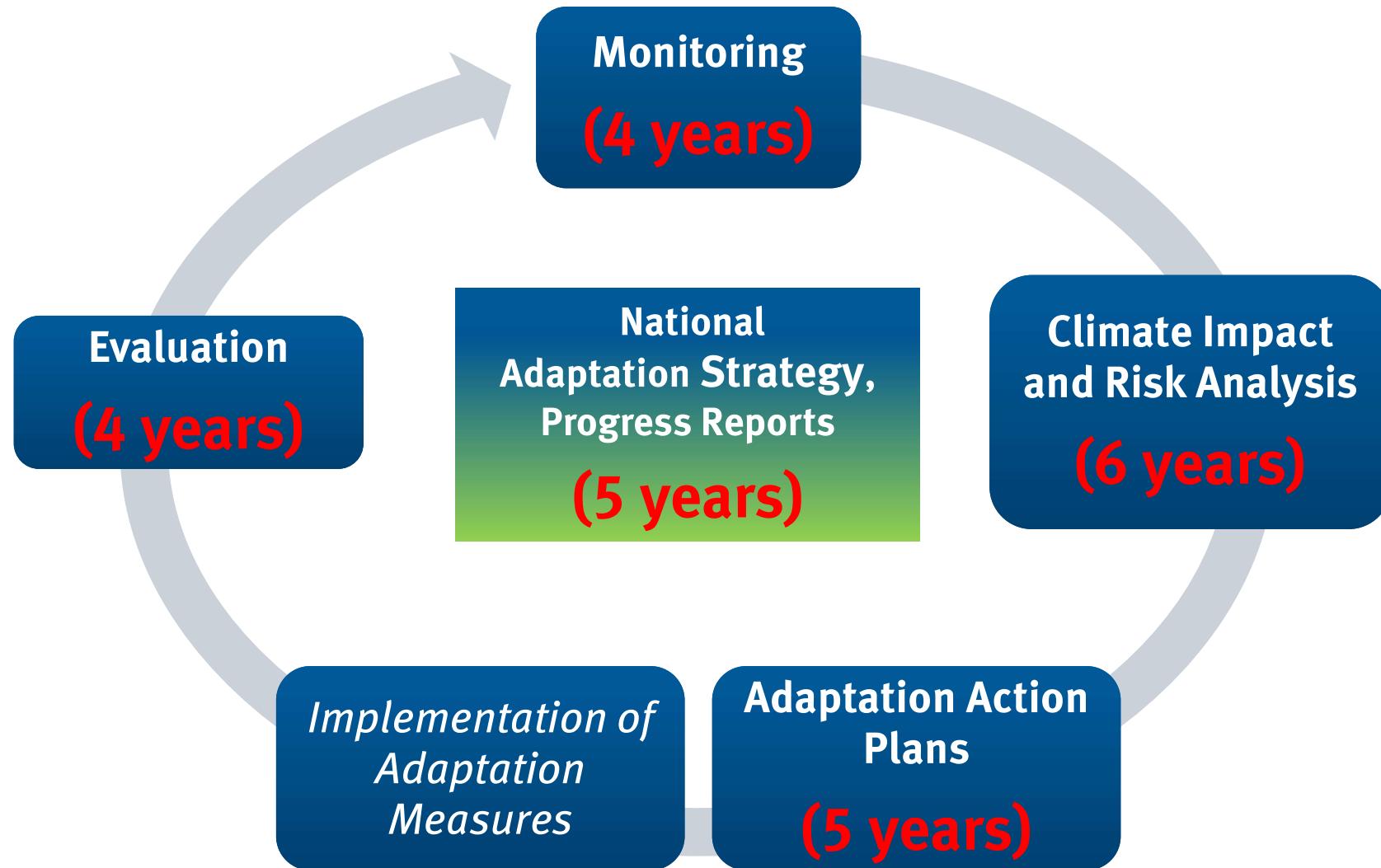
- public health
- biodiversity
- soil
- agriculture, forestry and fisheries
- water management
- coastal & marine protection
- building, construction
- energy
- transport, infrastructure
- tourism
- industry & commerce
- finance

Cross cutting issues:

- land use planning
- civil protection



Iterative adaptation process



National Climate Impact and Risk Assessment (KWRA 2021)

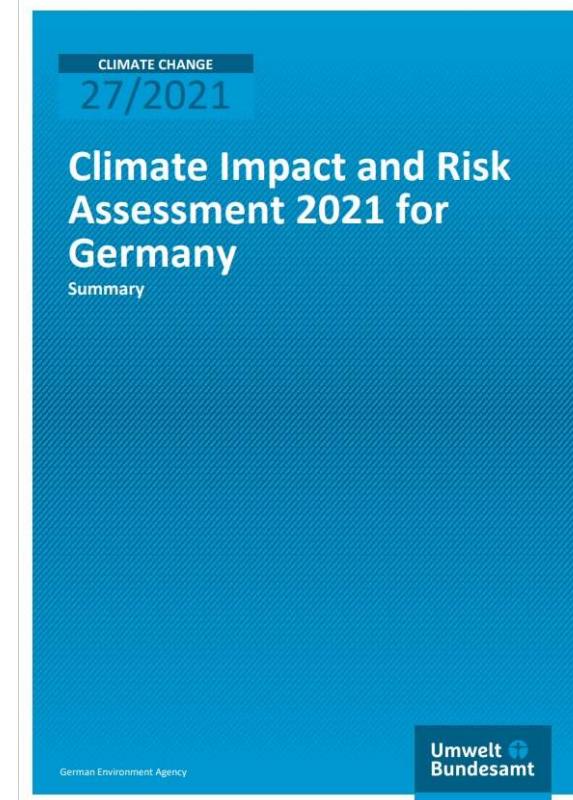
In which fields of action, for which climate impacts and in which regions in Germany are there particularly

- **high climate risks?**
- **low adaptation capacities?**
- **urgent need for action?**

→ Priorisation as basis for adaptation action planning

Ca. 180 experts from 25 authorities from 9 ministries, external experts and a scientific consortium

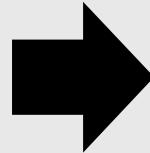
→ Collaborative process (co-production): to rise awareness and ownership



<https://www.umweltbundesamt.de/publikationen/KWRA-English-Summary>

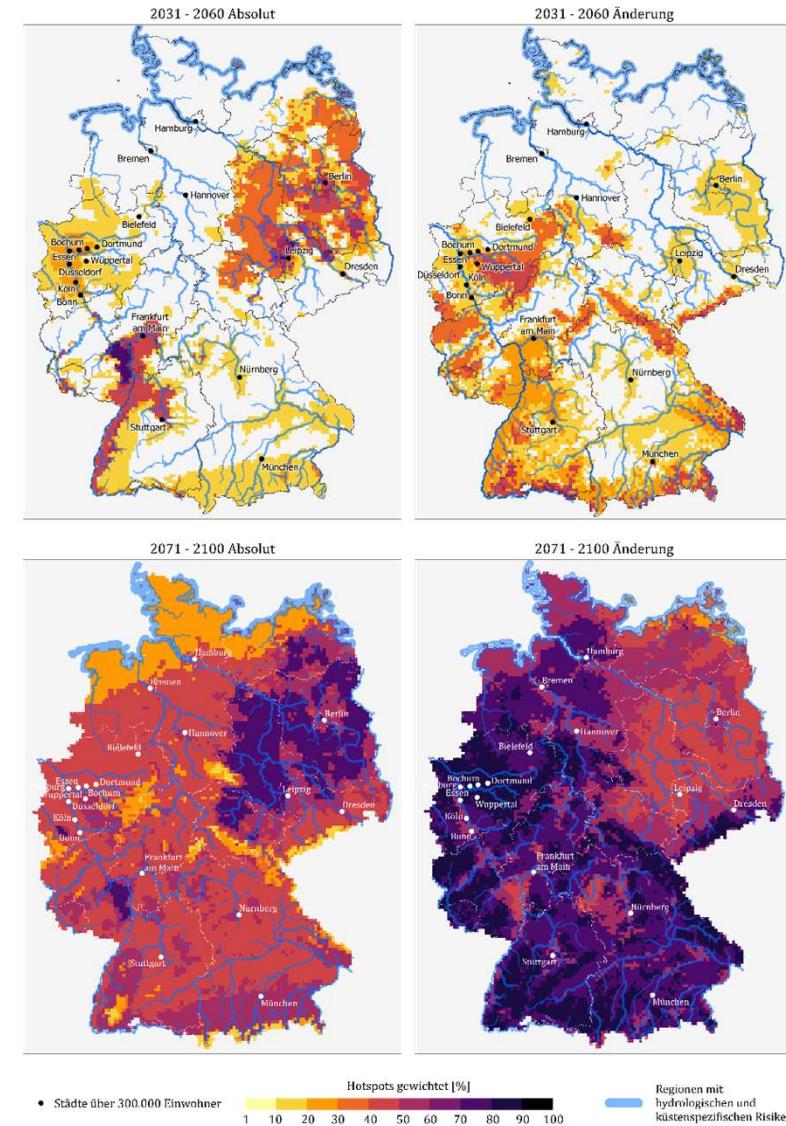
[Climate Impact and Risk Assessment 2021 - YouTube](#)

KWRA results: quantitative and qualitative Information

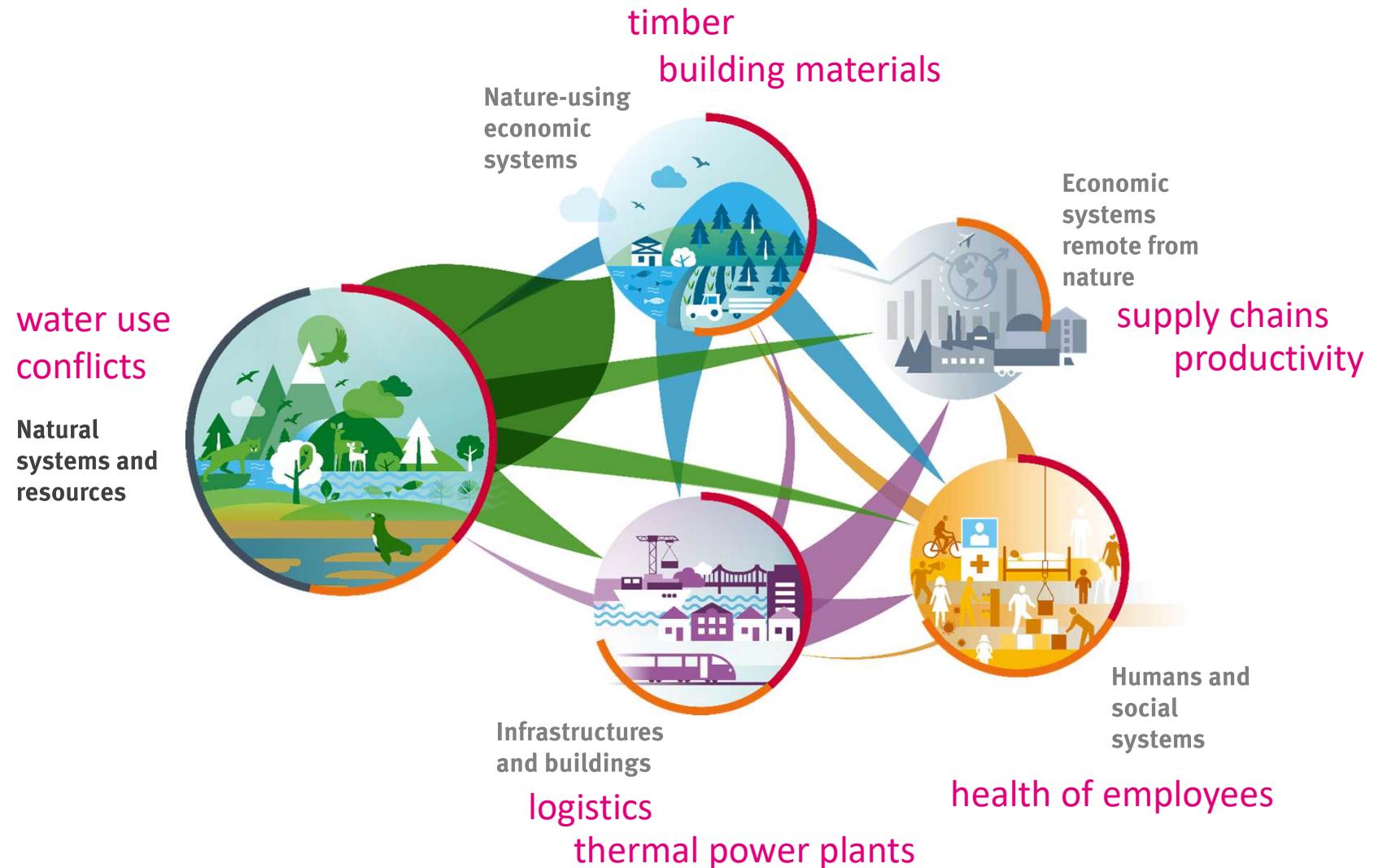


31 climate risks with very urgent need for action

- ▶ Climate risks from **heat for health**, especially in urban areas
- ▶ Climate risks from **drought and low water** (often associated with heat) for all water-using and water-dependent systems.
- ▶ Climate risks from **heavy rainfall, flash floods and flooding**, especially for infrastructure and buildings; settlements near water bodies or in narrow valleys in the low mountain ranges are primarily affected.
- ▶ Climate risks from **gradual temperature rise**, such as **sea-level rise**, for natural and nature-using systems.



KWRA results: direct risks and cascading effects



Source: German KWRA 2021

Thanks for your attention!

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