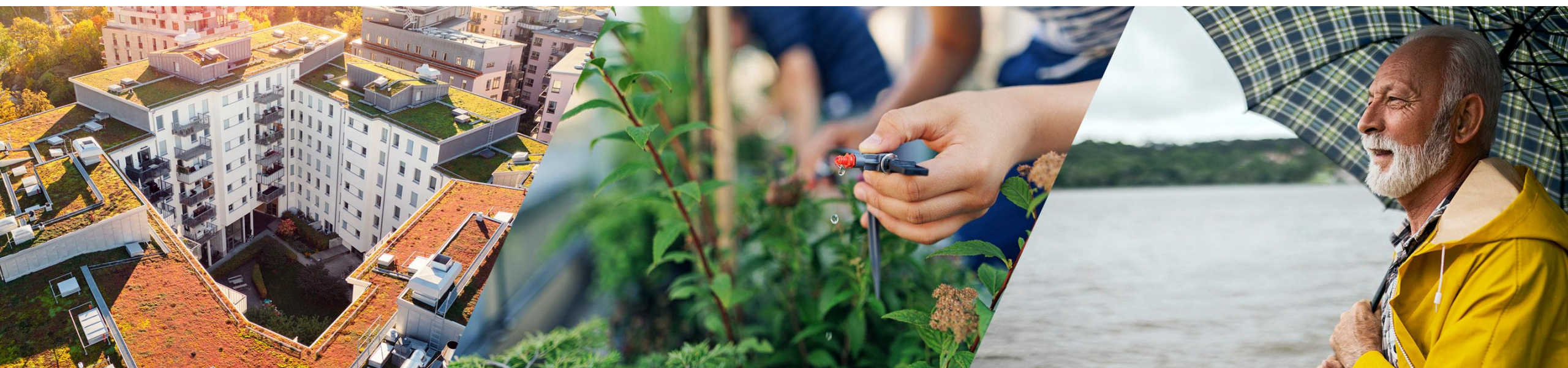




New European framework for climate resilience

state of play and next steps

European Climate-Resilient Energy System – Enhancing adaptation and resilience indicators in the ENTSO-E TYNDP CBA framework – Part 3

13 November 2025

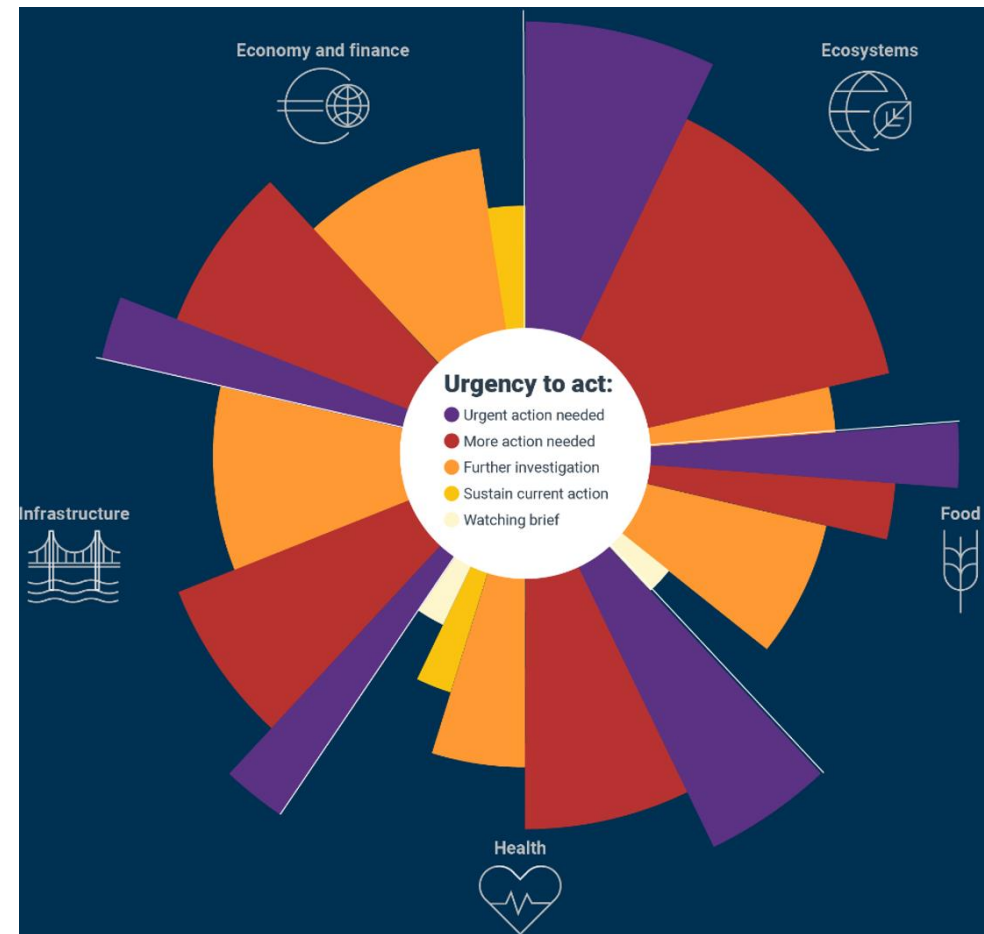
Andras Toth, DG CLIMA

European Climate Risk Assessment - EUCRA

Published by the EEA in March 2024

Key takeaways

- Climate risk drivers are accelerating
- Several risks are already at critical level
- EU & Member States' policy preparedness is lagging

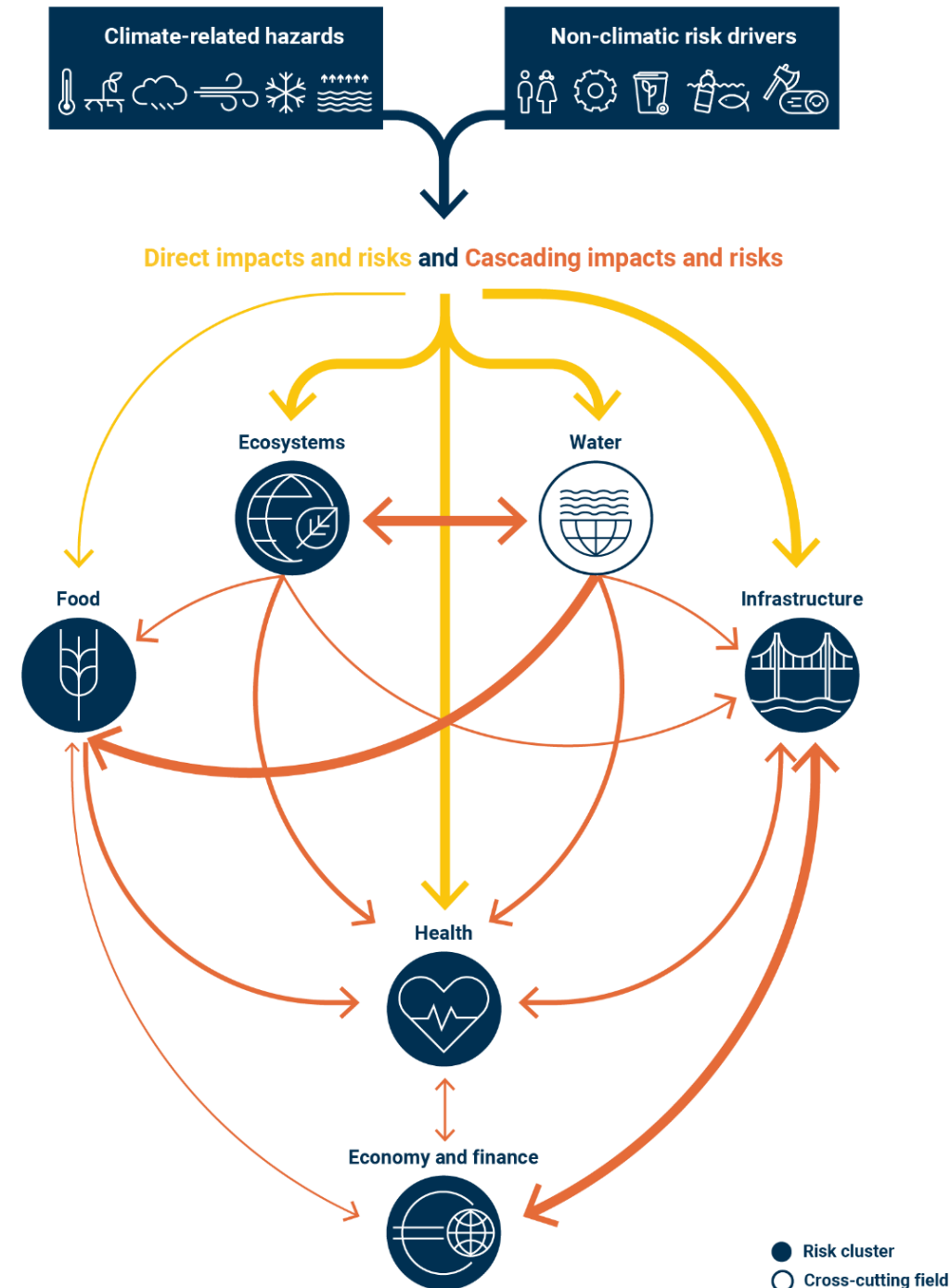


EUCRA identifies 36 key risks for Europe, grouped in five clusters.

<https://www.eea.europa.eu/publications/european-climate-risk-assessment>

Climate risks cascade from one system to another

- Climate change is a risk multiplier that can exacerbate existing risks and crises.
- Cascading climate risks can lead to system-wide challenges affecting whole societies, with vulnerable social groups particularly affected.
- For example, climate change driven mega-droughts can lead to water and food insecurity, spread of diseases, disruptions of critical infrastructure, and threats to financial markets and stability.



EUCRA: Major climate risks for infrastructure

Table ES.4 Assessment of major risks

Climate risks for 'Infrastructure' cluster	Urgency to act	Risk severity			Policy characteristics		
		Current	Mid-century	Late century (low/high warming scenario)	Policy horizon	Policy readiness	Risk ownership
Pluvial and fluvial flooding		+++	+++	++	Long	Medium	Co-owned
Coastal flooding		+++	+++	+++	Long	Advanced	Co-owned
Damage to infrastructure and buildings (*)		++	++	++	Long	Medium	Co-owned
Energy disruption due to heat and drought (hotspot region: southern Europe)		++	++	++	Medium	Medium	Co-owned
Energy disruption due to heat and drought		++	++	+	Medium	Medium	Co-owned
Energy disruption due to flooding		++	++	++	Long	Advanced	Co-owned
Marine transport		++	++	++	Medium	Medium	Co-owned
Land-based transport		++	++	++	Medium	Medium	Co-owned

Legends and notes

Urgency to act

- Urgent action needed
- More action needed
- Further investigation
- Sustain current action
- Watching brief

Risk severity

- Catastrophic
- Critical
- Substantial
- Limited

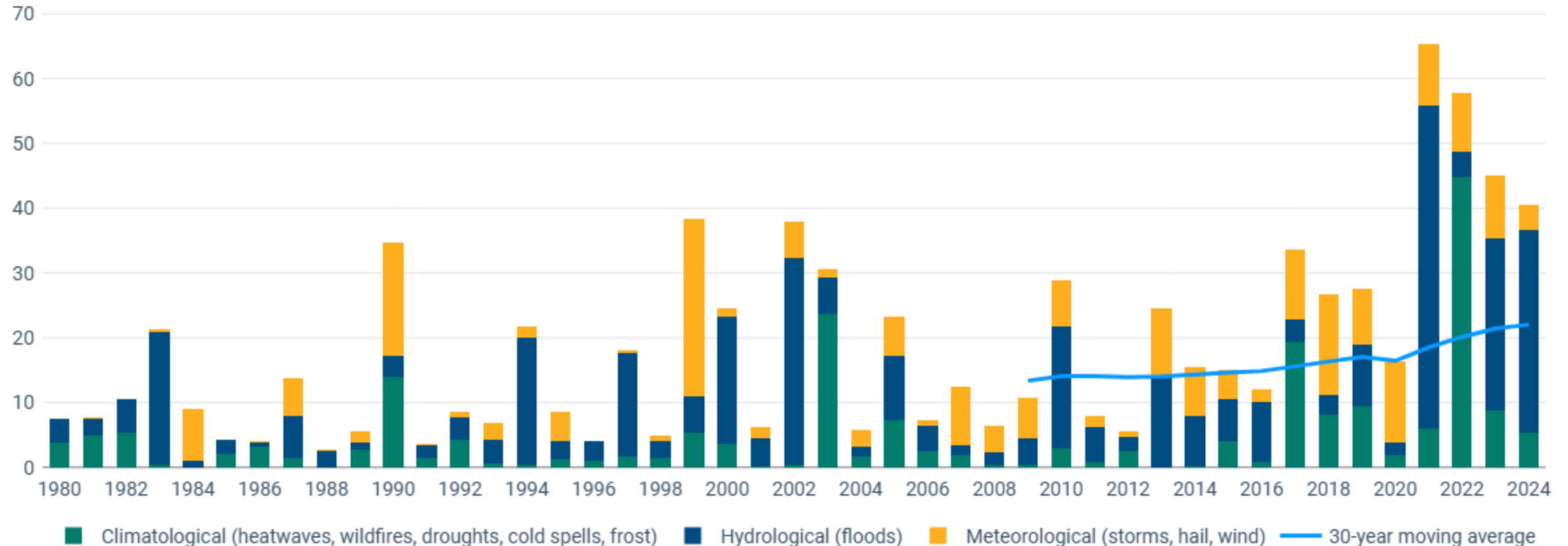
Confidence

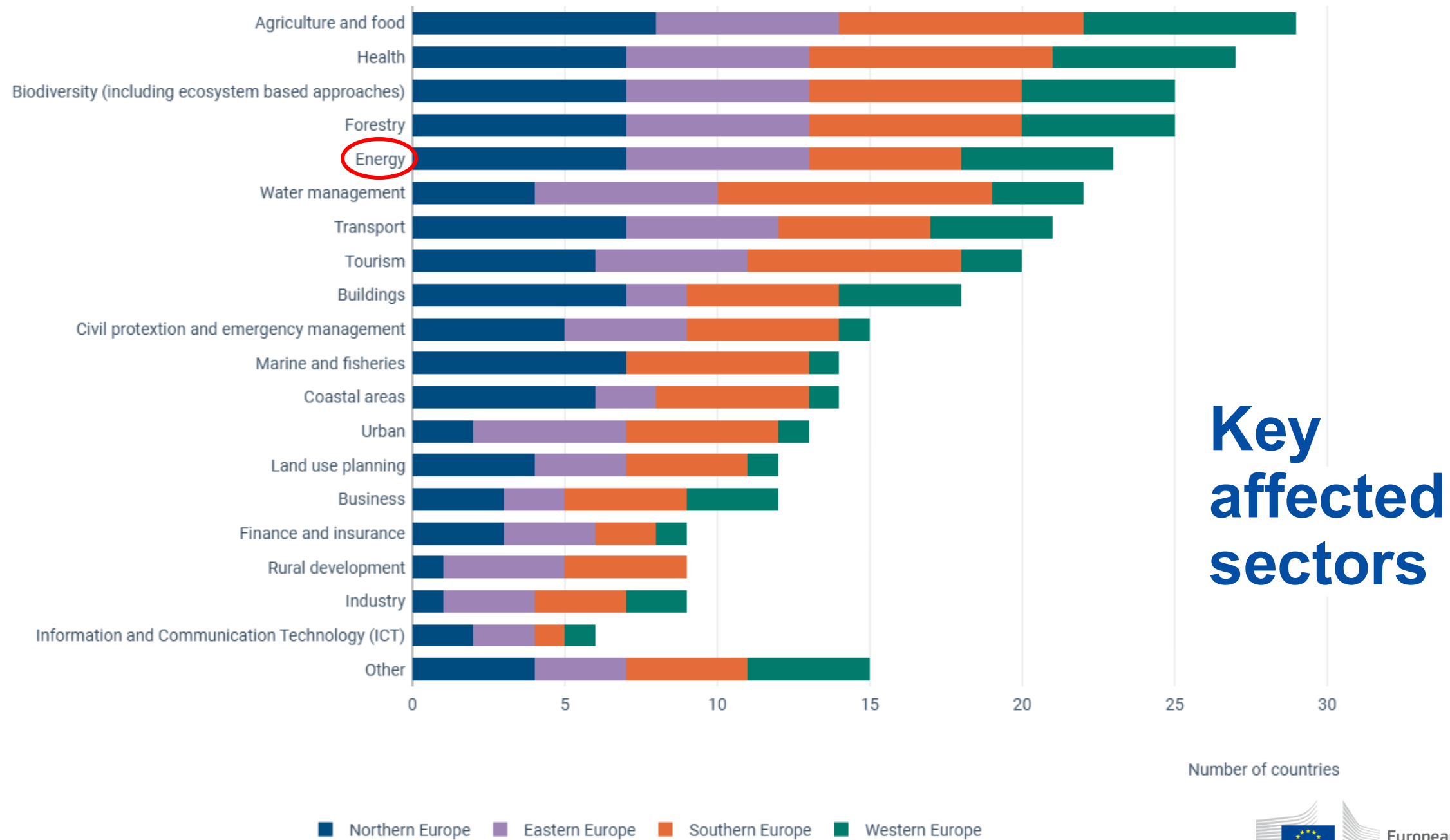
- Low: +
- Medium: ++
- High: +++

(*) Urgency based on high warming scenario (late century).

Economic losses caused by weather- and climate-related extremes in Europe

Billion EUR (2024 prices)





Climate adaptation / resilience in the EU

(2013 – 1st EU Adaptation Strategy)

2021 - European Climate Law; current **EU Adaptation Strategy**

2024 - European Climate Risk Assessment & **Communication on managing climate risks**

- Council Conclusions on 8th Environment Action Programme mid-term review
- Commission Political Guidelines 2024-2029 & Mission letters to Commissioners → “**ECAP**”
- European Parliament Resolution on devastating floods
- European Court of Auditors Special Report

2025 – **Preparedness Union Strategy**

- EU Competitiveness Compass, Vision for Agriculture, Water Resilience Strategy, Ocean Pact, Proposal for the next MFF...



Integrated framework for European climate resilience

- **Announced as ‘European Climate Adaptation Plan’ in the Political Guidelines 2024-2029**
- **Key element of a broader policy agenda**
- **Reflected in various mission letters**
- **Will work with other EU flagship initiatives**

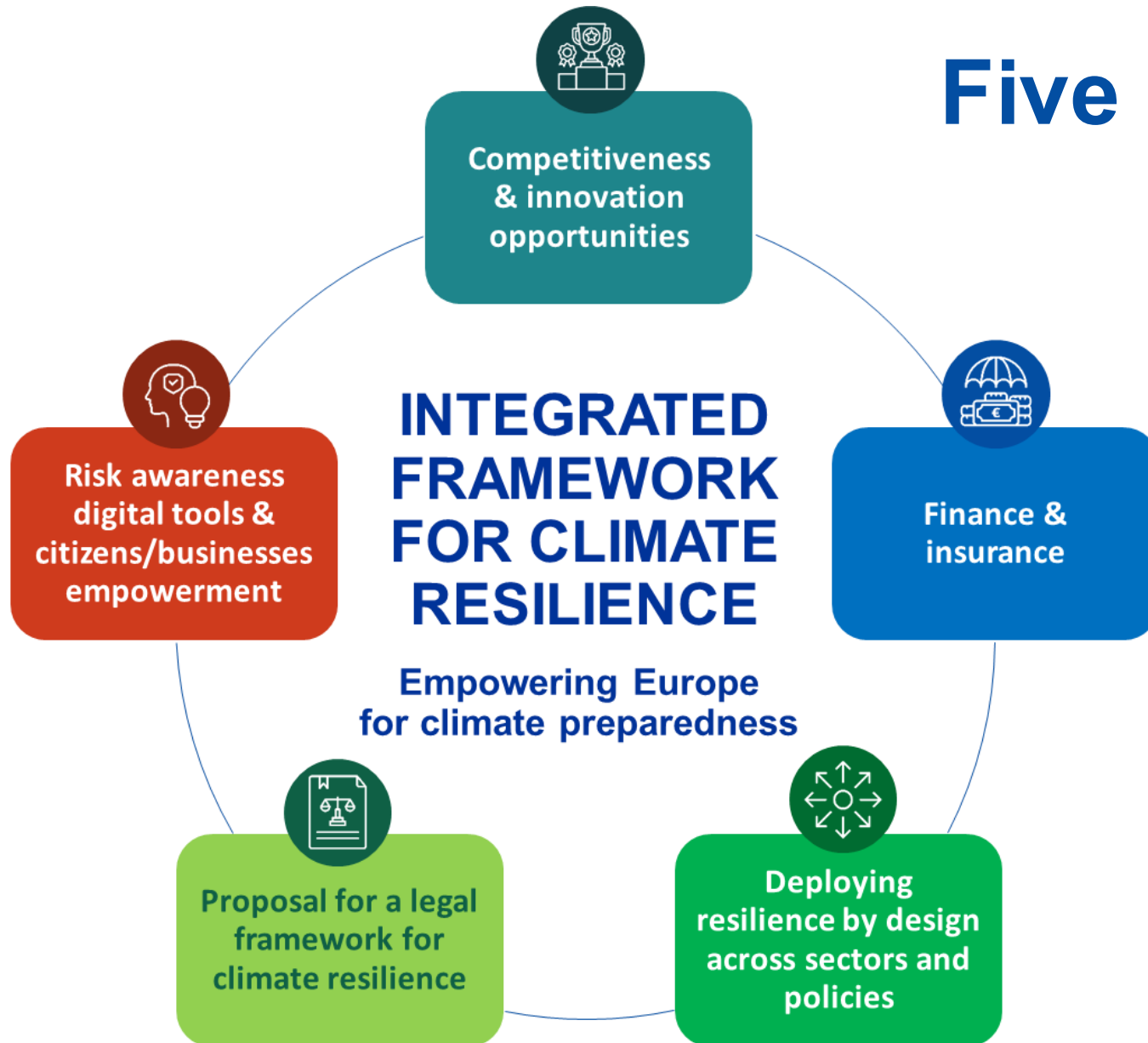


2025 State of the Union Address by the Commission President

*“If it matters to Europeans, it matters to Europe. This is our enduring duty to deliver. This summer, we all saw the pictures of Europe's forests and villages on fire. More than a million hectares were burned. An area around a third of the size of Belgium. The scale of the damage is enormous. And we know it is not a one off. Climate change is making each summer hotter, harsher, and more dangerous. **This is why we have to radically step up our efforts into climate resilience and adaptation, and nature-based solutions. But we must also give ourselves the tools to respond.**”*

September 2025

Five key components





Deploying
resilience by design
across sectors and
policies

- ‘**Mainstreaming’ resilience across sectors and policies**, for more systemic and faster adaptation
- ‘**Resilience / preparedness by design’ embedded in several strategic Commission documents**
- **Needed: an upfront and proactive effort to consider and prevent, from the outset, plausible high-impact risks and losses when conceiving policies, investments and other measures**

Elements under consideration



- **Guiding principles**
(Proportionality, subsidiarity, EU value added, coherence with existing EU law, joined up efforts, avoiding unnecessary red tape...)
- **General elements**
(definitions, objectives, targets, **indicators**...)
- **Important concepts**
(mainstreaming, resilience by design, common climate/temperature reference scenarios, risk ownership...)
- **Risk assessments**
(European climate risk assessments (EUCRA), national and sectoral climate risk assessments...)
- **Climate resilience/adaptation governance at EU and national levels**
(including transboundary considerations)
- **Monitoring, reporting, evaluation and learning**

Policy package under consideration

- **Impact Assessment report**
(including summaries of stakeholder consultations)
- **Commission Communication**
- **Legislative proposal**
- **Digital European Climate Hazard Viewer**
- **Guidance on**
 - implementing climate reference scenarios
 - avoiding maladaptation
 - streamlined climate proofing



**Expected delivery date:
4th quarter 2026**

Integrated framework for European climate resilience

Way forward – timeline

24 July – 4 Sept	Call for evidence published https://ec.europa.eu/info/law/better-regulation/have-your-say/initiatives/14770-European-climate-resilience-and-risk-management-integrated-framework_en
End November	Open public consultation (12 weeks)
Q1-Q2 2026	Further consultations with citizens and stakeholders
Q4 2026	Adoption of the package

Thank you. The floor is open...

