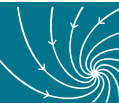




# Impetus4Change (I4C): Improving near-term climate predictions for societal transformation

Adaptalab #1, Paris, France

29 Nov. – 1 Dec., 2023



# I4C Partners & Collaborators

300.000 Km/s  
trescientosmil



CHARLES UNIVERSITY



# Our urban areas are an integral part of the solution to climate change

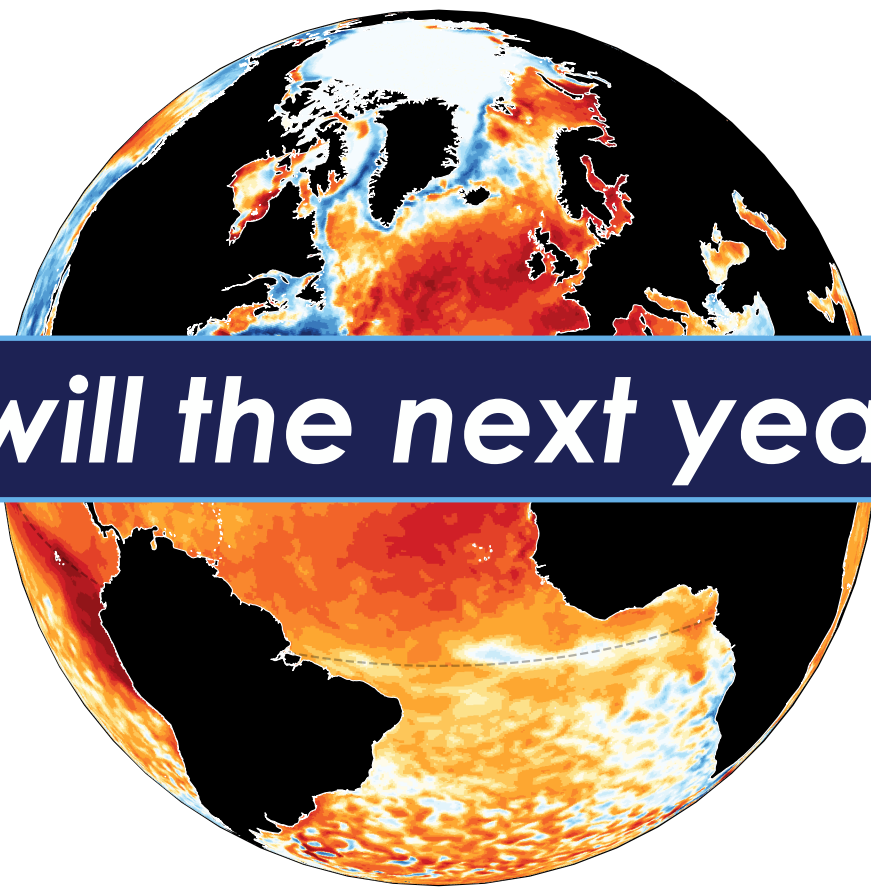


Greece wildfire declared largest recorded in EU

Eleven planes and helicopters burned more than 300 sq miles

SEA SURFACE TEMPERATURE ANOMALY • JUNE 2023  
relative to June average for 1991–2020

Norway east  
Climate Change Service  
climate.copernicus.eu



Data: ERA5  
Credit: C3S/ECMWF

# What will the next year(s) bring?

News | Weather

Storm Ciaran causing havoc further

The wildfire at Dardia national park is still out of control  
Photograph: Alexandros Avramidis/Reuters

conditions,  
© EU 2023

burnt areas reported by EFFIS

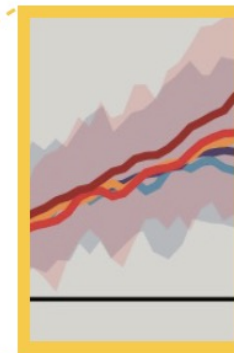
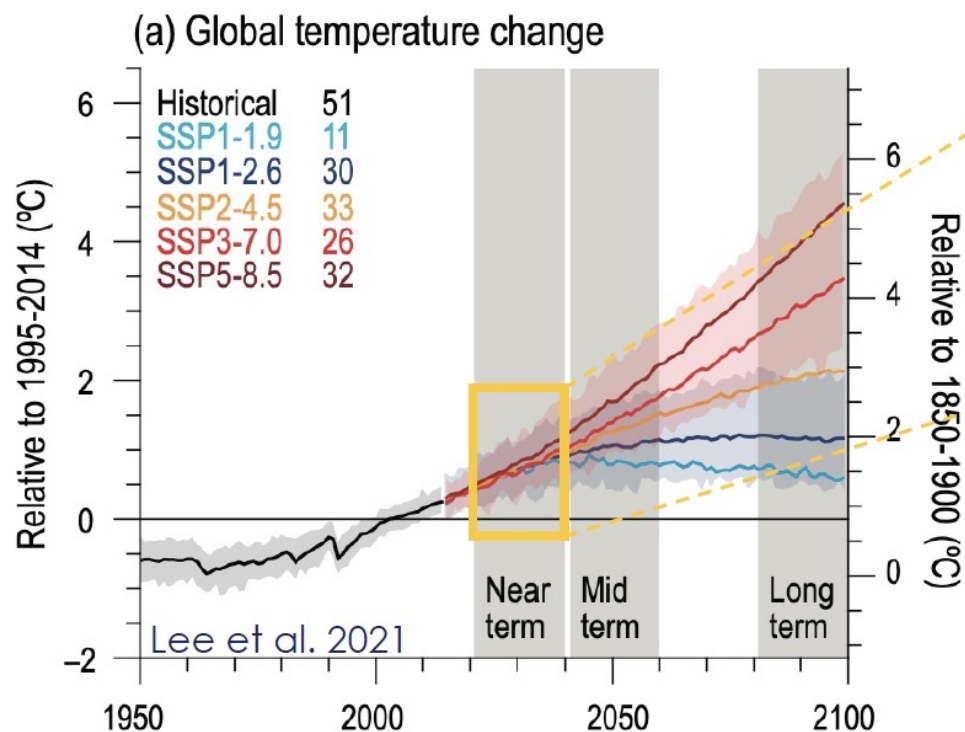
- > 5000ha
- 1000 ha < area < 5000 ha
- 100 ha < area < 1000 ha
- 10 ha < area < 500 ha
- 100 ha

Wednesday 8 August. Photograph: Stian Lysberg

Flooded houses  
Solum/AP

# Some background on “near-term” climate change

- **Near-term** climate is now - ~2035

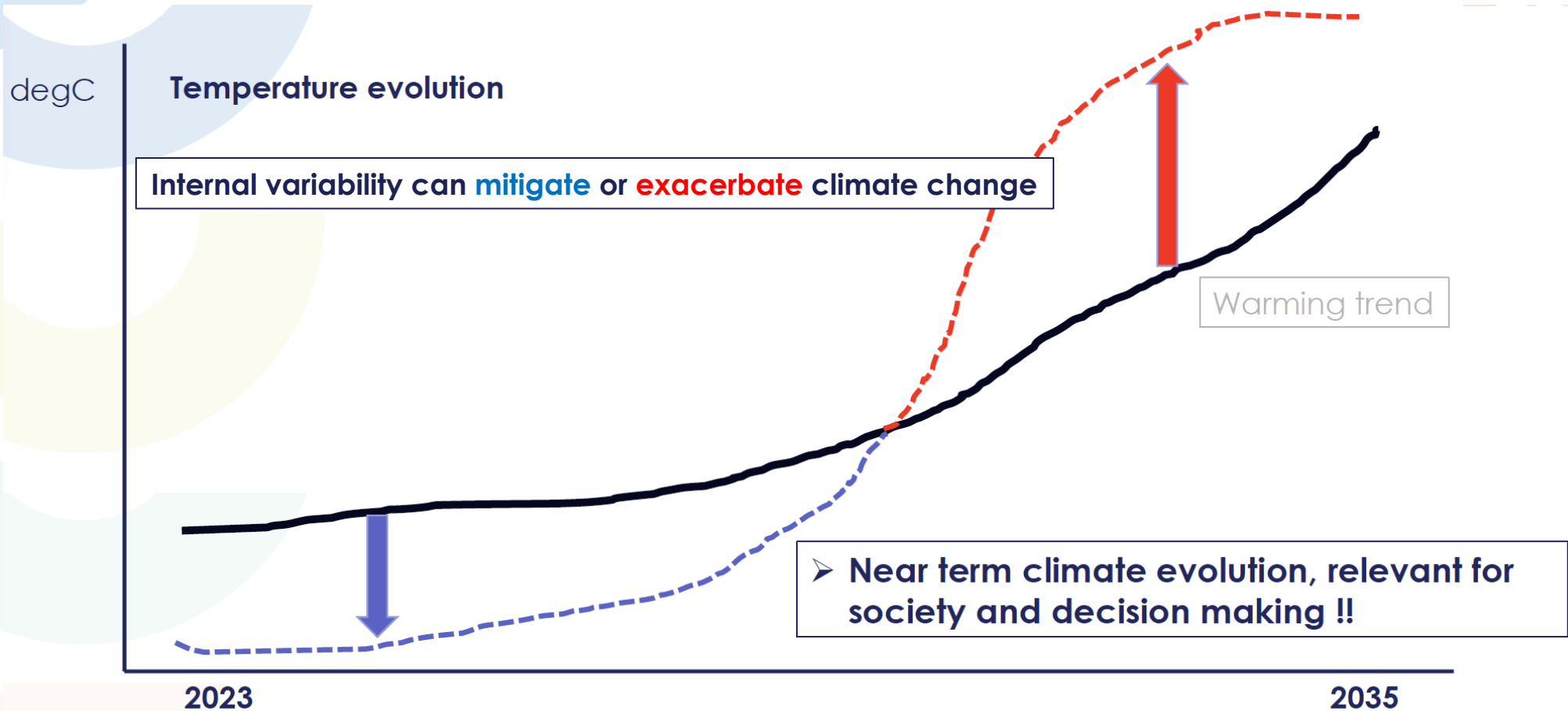


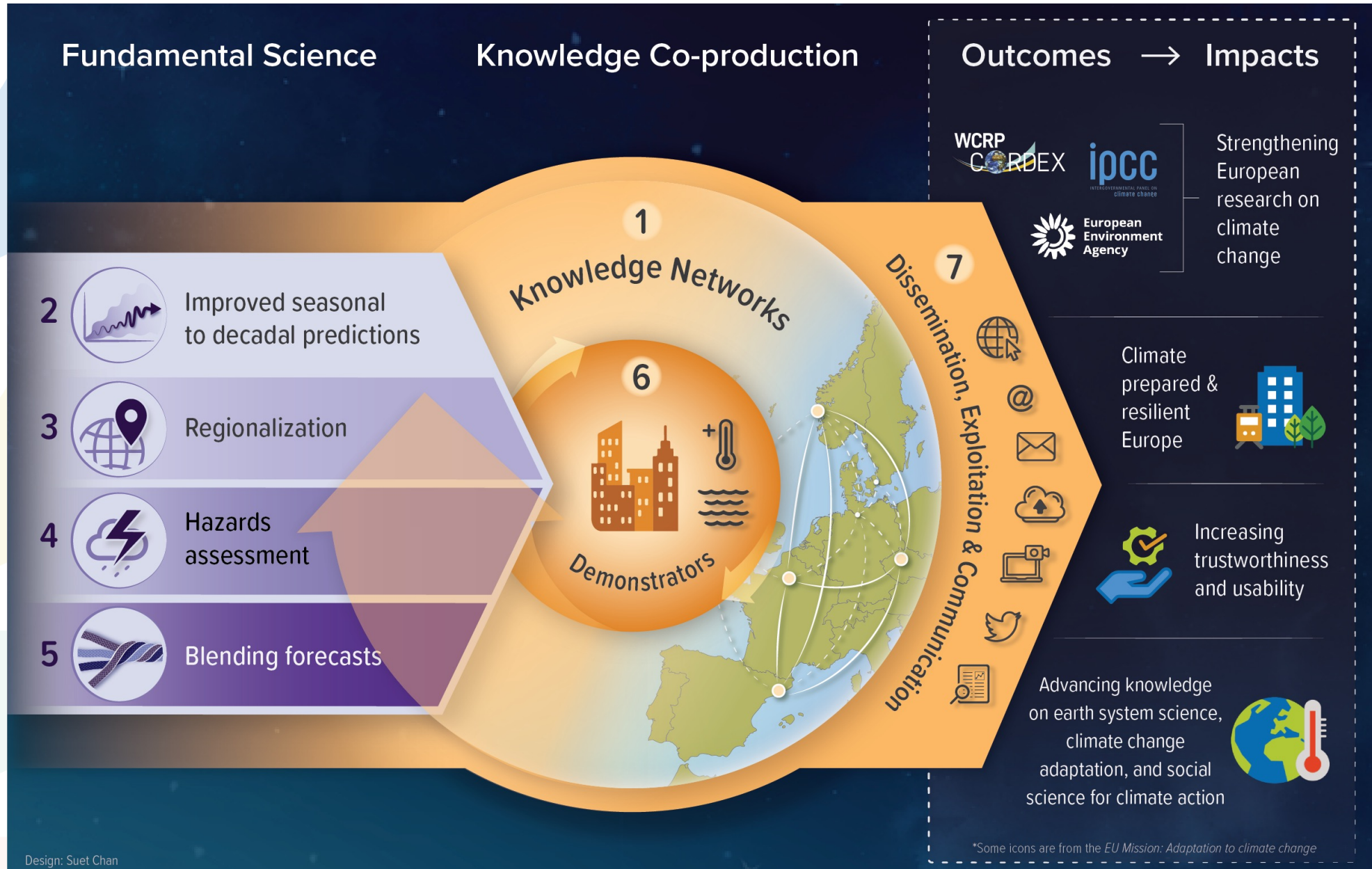
2023 - 2035

- Small difference amongst scenarios
- Uncertainty is dominated by **climate internal variability**

**The Internal climate variability** is intrinsic to the climate system, generated by interactions of its components

# Some background on “near-term” climate change





# What information can I4C provide? What can we do together, in partnership?

- Recent extreme summers over Europe have many asking what next year(s) will bring; I4C can help and provide guidance.
- Improved information about the **near-term** effects of climate change in your local area that provide the scientific basis for decision-making/planning
- Tailored information on extreme events, their frequency and magnitude (by sector, type of event or by impact).
- We develop this information together; I4C wants to work with you.
- Adaptalabs are an opportunity to share experiences with and learn from each other.

Two weeks after storm “Hans”



Photo: Bård Bøe