

Assembling the climate story

Towards co-production of storyline approaches in climate science

By Gert Versteeg, Dragana Bojovic & Martín Lotto

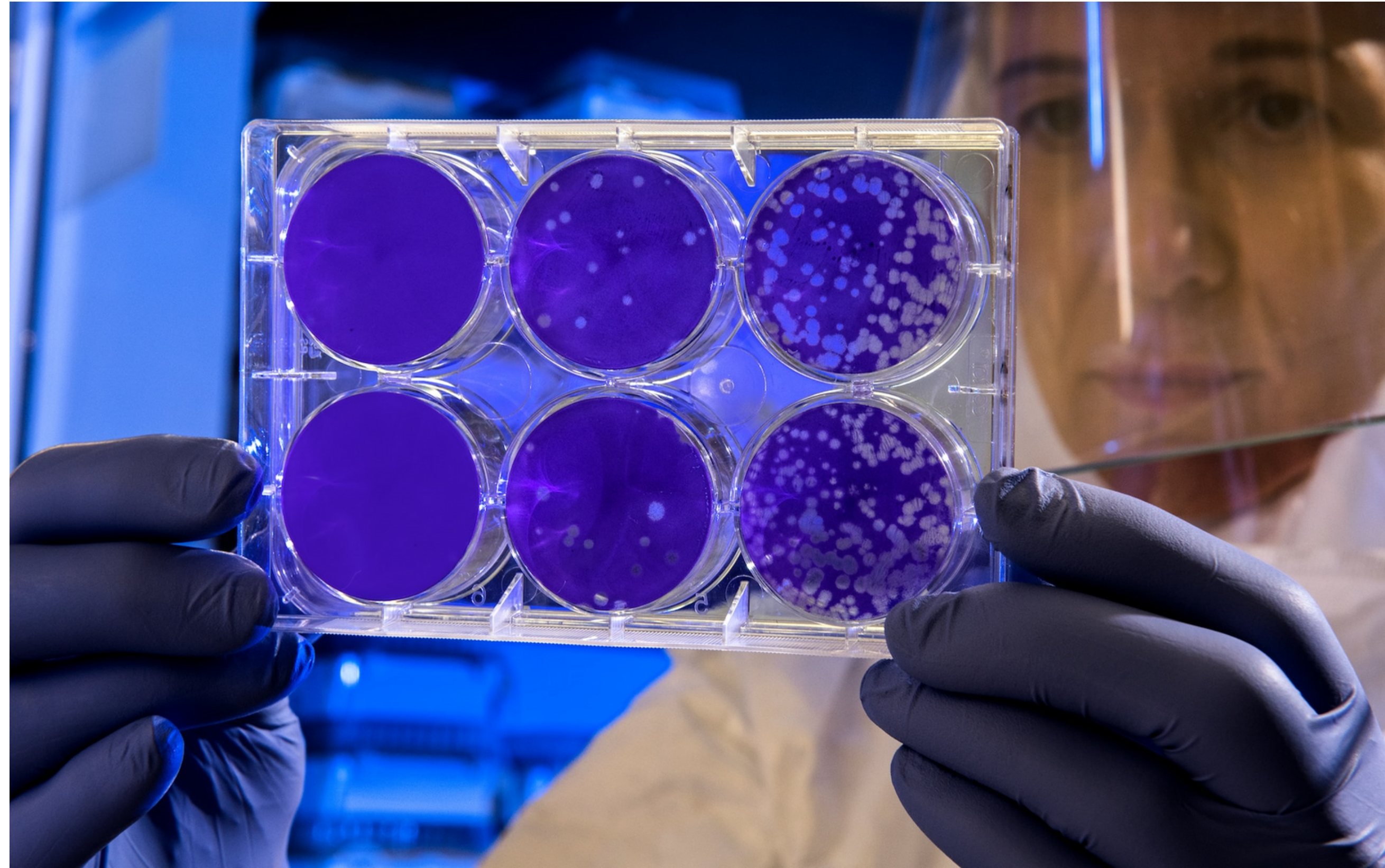


Santa Fe and Entre Ríos

(Photo by Hector Ramon Perez)



Meet Nora...



(Photo by the CDC)

Dengue and leptospirosis cases are rising...



**EERIE data could be
useful to co-develop
outbreak control
measures...**



**... but what about
the cross-border
hierarchies,
political instability
and funds?**



What's the core message?

A strategy for disease control will combat the spread of climate-sensitive infectious diseases.

But also..

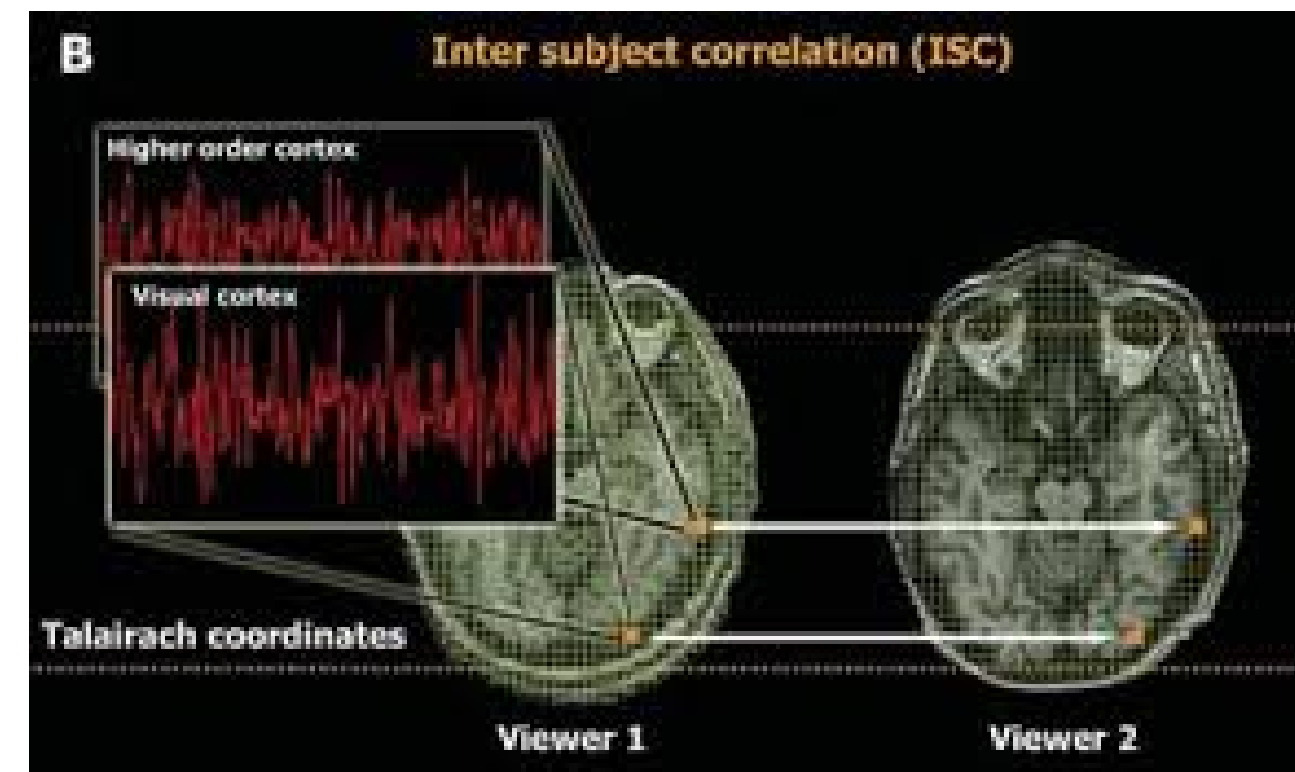
Story(lines) can tackle the abstract, distant and impersonal topic of climate change.

The common ground

We have a social contract to fulfil. Understanding others' stories is part of co-producing useful science.

The benefits of storytelling for science communication:

Make sense of our surroundings, retain it, and encourage beliefs, attitude and behavioral changes.



Obstacles of science comms.

The importance of being relatable

Curse of knowledge

What are EERIE data, co-production and storylines?

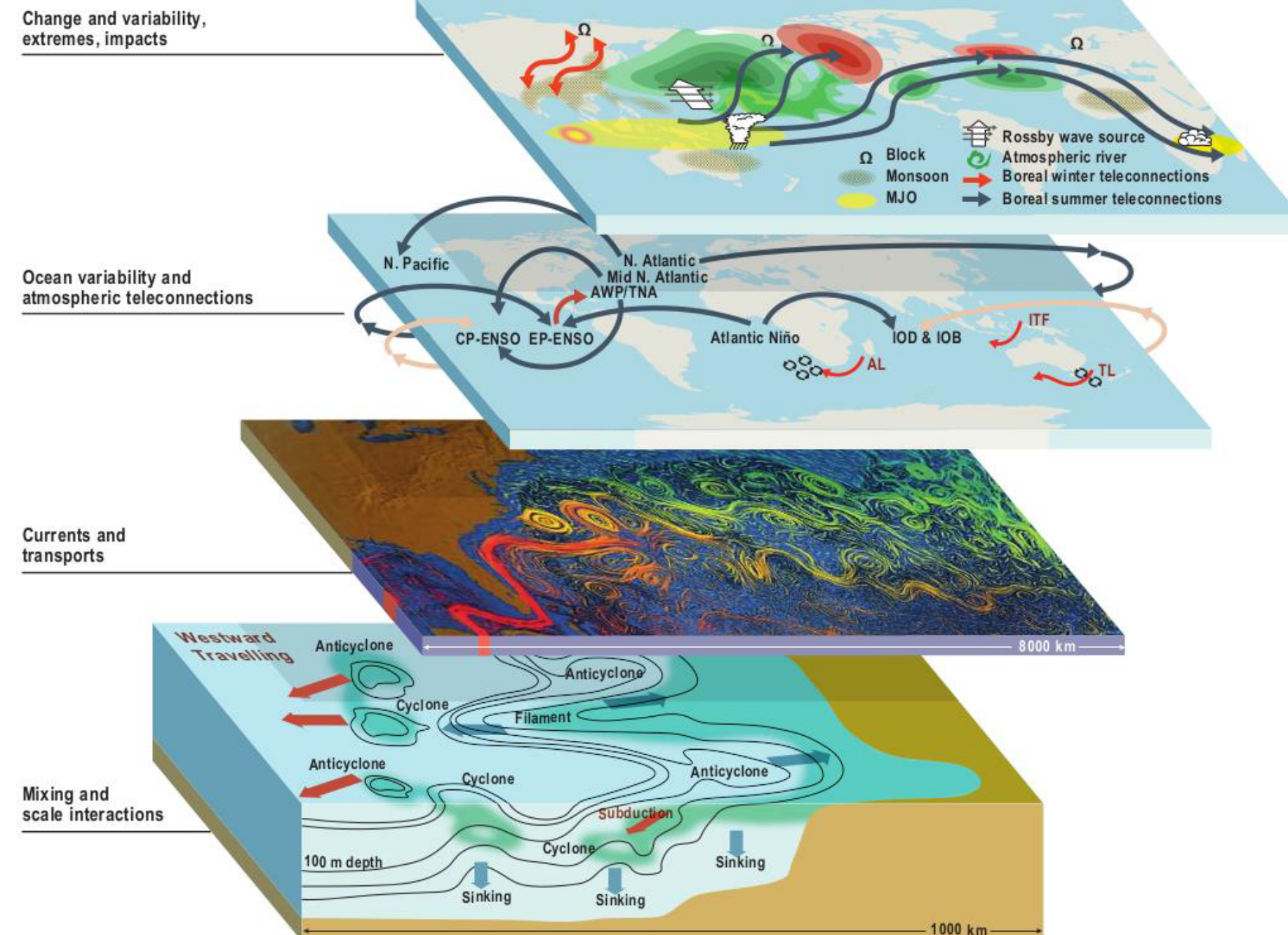


EERIE

European Eddy Rich Earth System Models

Understanding mesoscale processes and how they might change in the future is critical for portraying robust global and regional climate impacts, with significant policy implications.

The ocean mesoscale in the global climate system

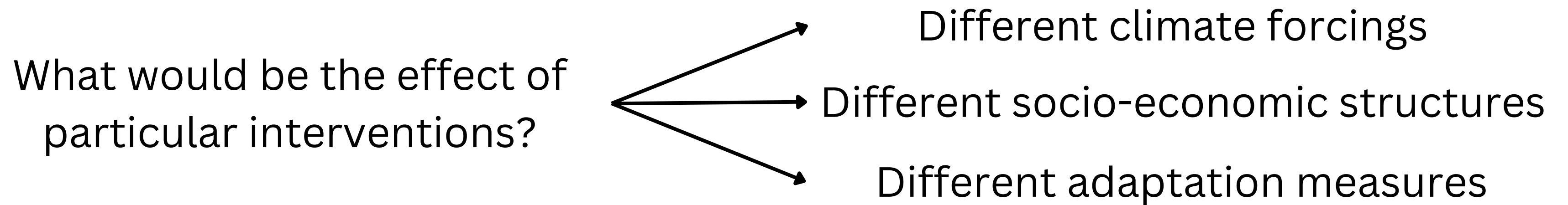


Storylines explained

Definition

‘Physically self-consistent unfoldings of past events, or of plausible future events or pathways’

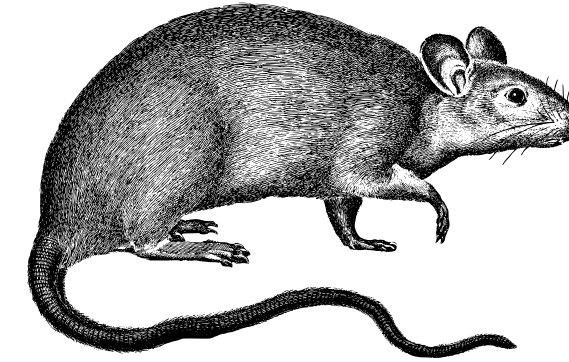
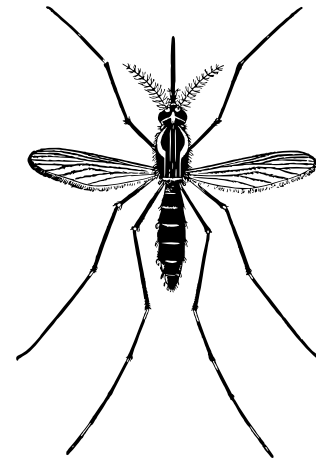
(Shepherd, 2018)



Physical climate storylines

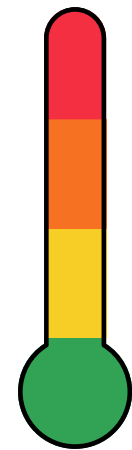
Identify

Relevant climate information for sectoral dissemination



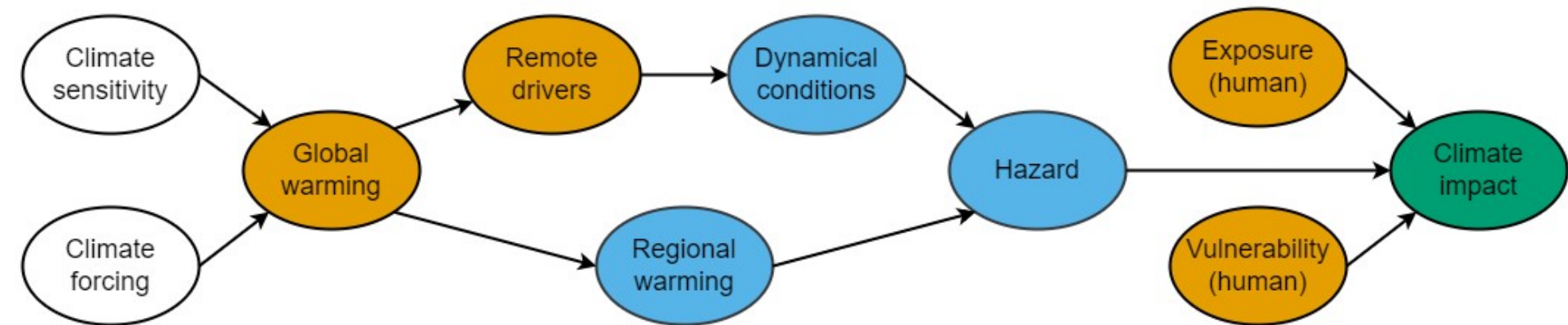
Model

Plausible future climate projections and surprises in warmer worlds



Co-develop

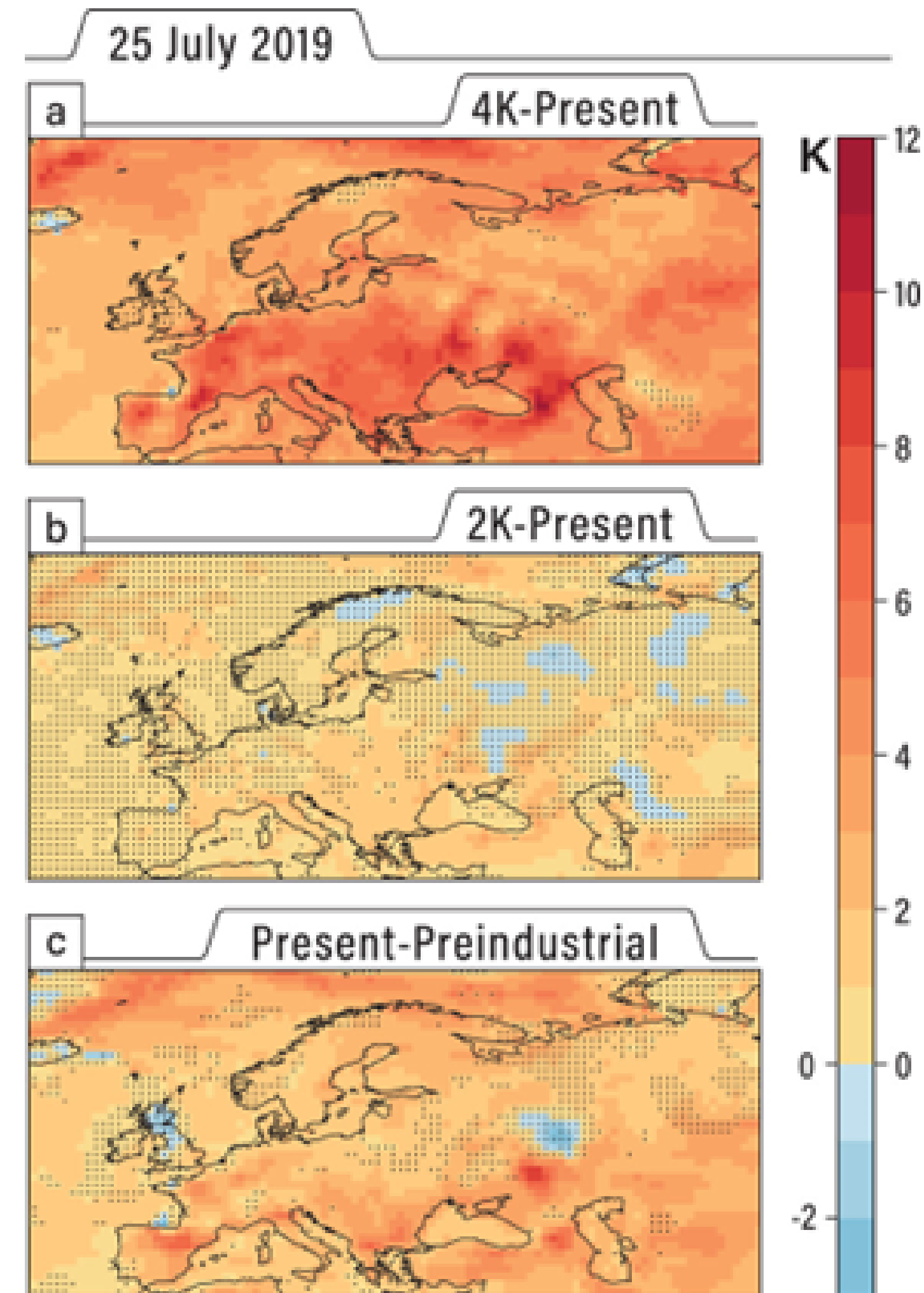
Impact storylines that consider the decision-making context of users and response to adaptation.



Future outlook

Urban, energy, wildfire,
hydrology use cases in
Destination Earth

And Spanish applications
in GLORIA



Take-home message

Telling the story at the start, from the perspective of the user allows the storylines to grapple with local complexities.



Thank you!

For questions, please reach out to: gerrit.versteeg@bsc.es



Funded by
the European Union



This work has received funding from the Swiss State Secretariat for Education, Research and Innovation (SERI) under contract #22.00366

This work was funded by UK Research and Innovation (UKRI) under the UK government's Horizon Europe funding guarantee (grant number 10040510)



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GLORIA

This project has received funding from the Spanish Ministry of Science and Innovation/ National Research Agency/10.13039/501100011033 and the European Union 'NextGenerationEU/PRTR'.



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Check out this paper for a
transdisciplinary literature review
on storylines



Baulenas, E., Versteeg, G., Terrado, M., Mindlin, J., Bojovic, D., (2023), Assembling the climate story: use of storyline approaches in climate-related science. Global Challenges.