

European Pavilion
**Digital
Ocean**

Nice | France
2 - 13 JUNE 2025

A European
knowledge
compilation to stay
ahead of sea level rise

Inspire
sea level rise





Inspire

sea level rise



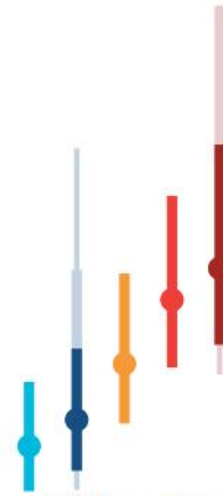
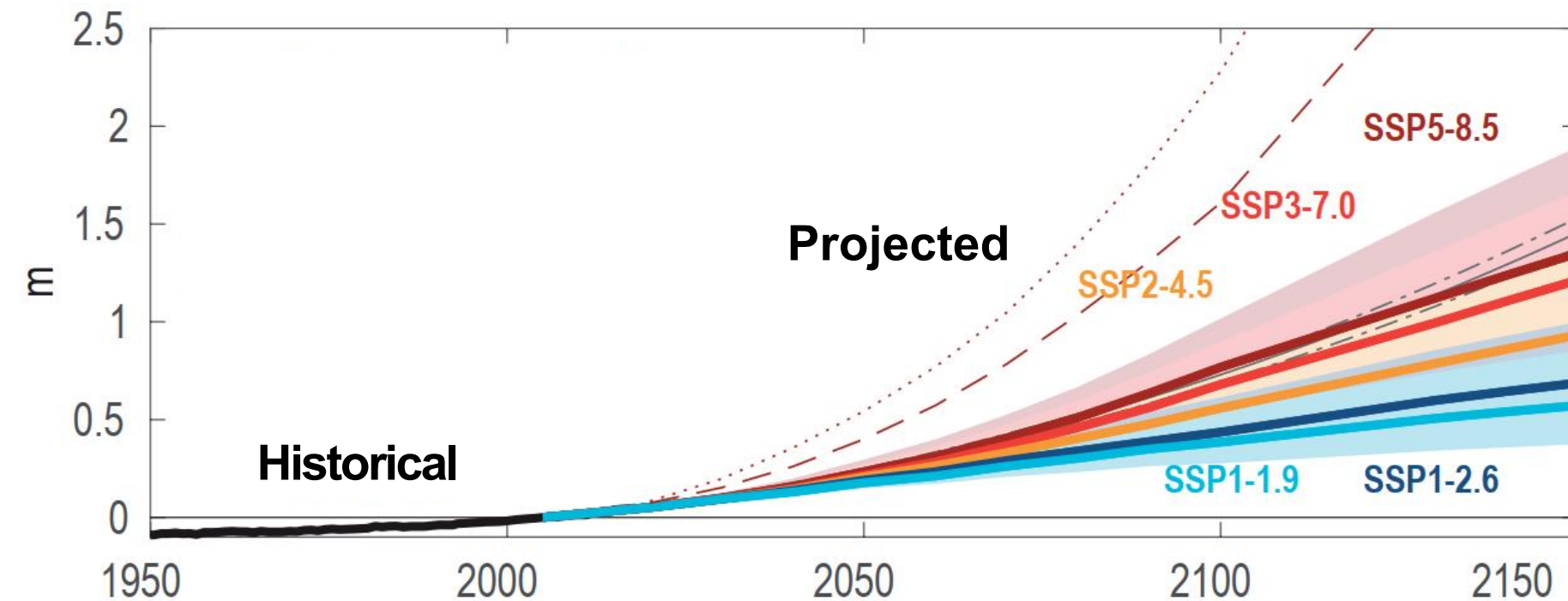
Thorsten KIEFER

JPI
OCEANS

And Bart van den Hurk, Nadia Pinardi,
Alexander Bisaro, Giulia Galluccio, José A.
Jiménez, Kate Larkin, Angélique Melet,
Lavinia Giulia Pomarico, Kristin Richter,
Kanika Singh, Roderik van de Wal, Gundula
Winter, Petra Manderscheid, Lavinia Giulia
Pomarico, Kanika Singh, Michael Depuydt, ...
and many others



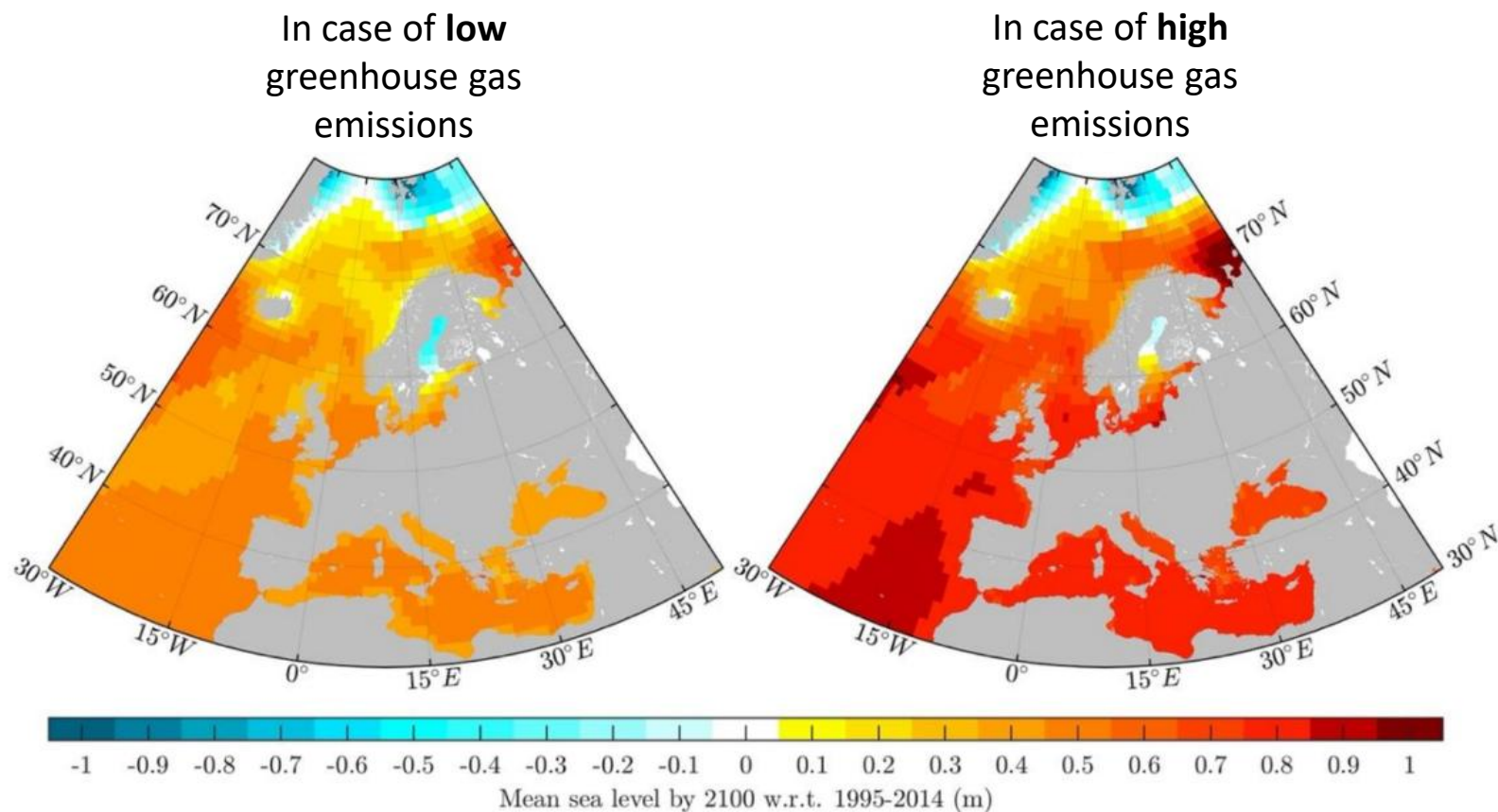
IPCC 6th Assessment Report (2021): Global mean sea level rise



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sea level rise



Sea Level Rise in Europe Assessment Report (2024): Relative sea level changes by 2100





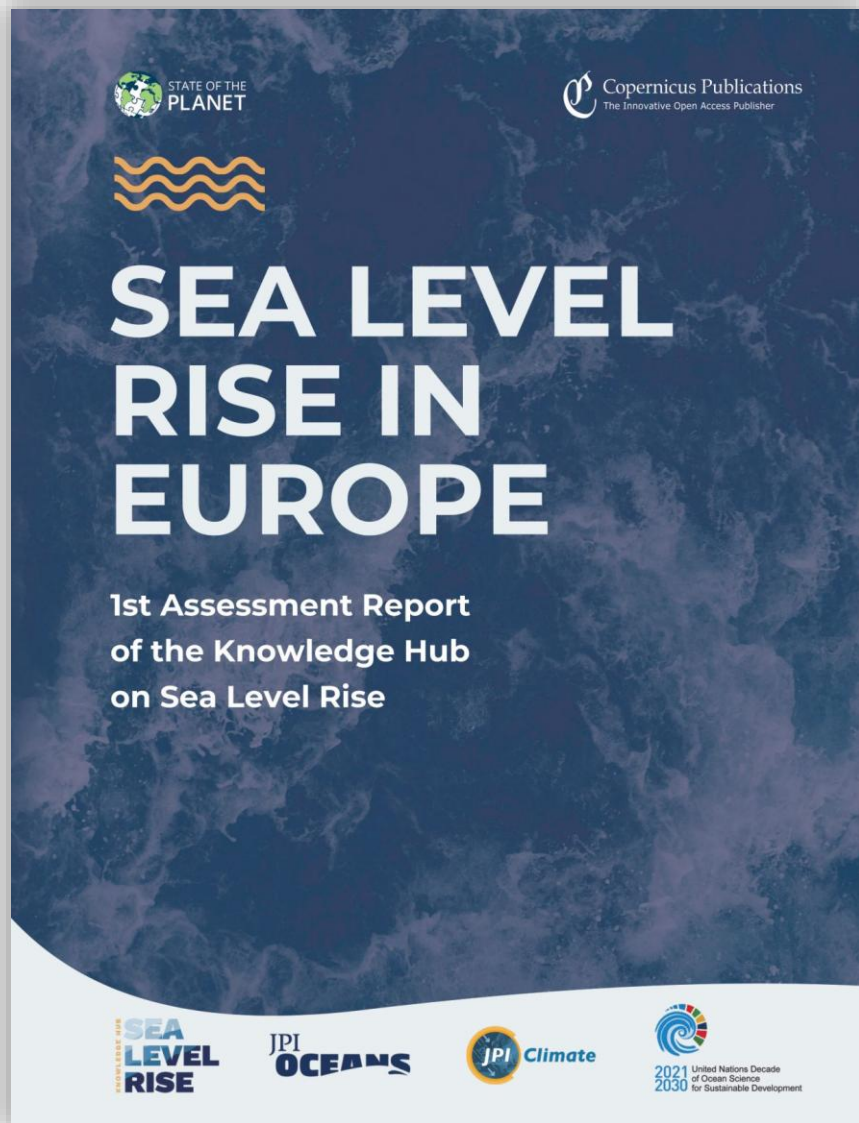
An Assessment Report that is

- **scientific**
- **practical**
- **zoomed-in**
- **going beyond ...**
 - ... just rising water**
 - ... just the physics**



Inspire

sea level rise



JPI
OCEANS



Nadia Pinardi



Bart van den Hurk

**+ ca. 70 national
sea level experts**



**2021
2030** United Nations Decade
of Ocean Science
for Sustainable Development

First step: Find out what are the major
knowledge **gaps** and **needs**?

Addressing different scales

- Online surveys
- Seabasin workshops
- European conference

Consulting different users

- Policymakers
- Practitioners
- Scientists



Questions from the audience

- Q&A after presentations and panels
- Use your phone to connect to **Slido** to answer polls, ask and upvote questions (look out for the **#SLIDO** on the slides).
- Use **QR codes** on the Conference booklet to access the full program and speaker bios.
- **In-person audience:** Microphones available across the room, please reach the nearest one to ask your question live.
- **Online audience:** please submit your questions on **Slido** and NOT in the Zoom chat. Only **Slido** will be monitored.

SEA LEVEL RISE

Slido



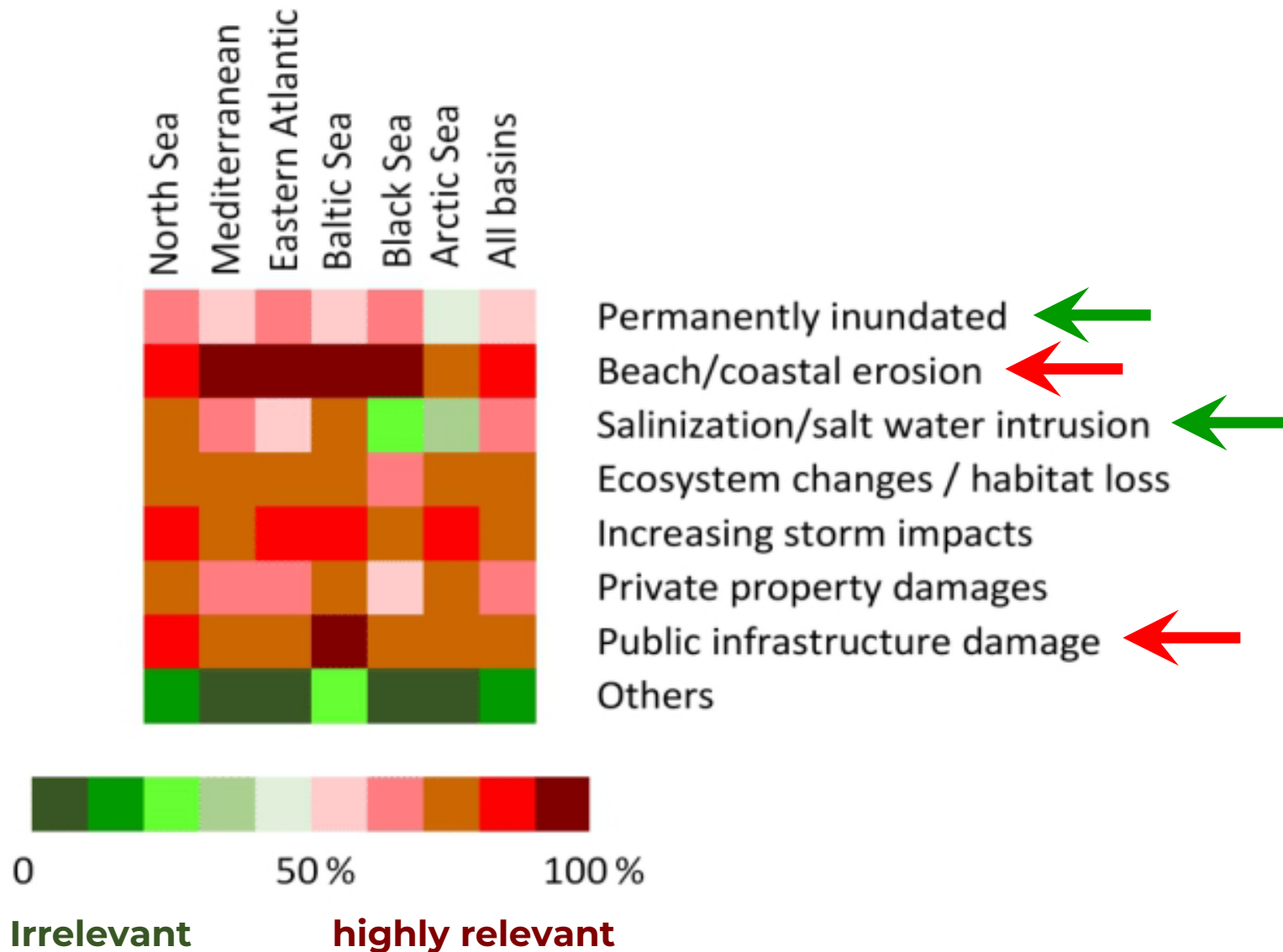
Photos from
SLR
conference
2022, in
Venice, Italy

Sea Level Rise Conference 2022, Venice, Italy



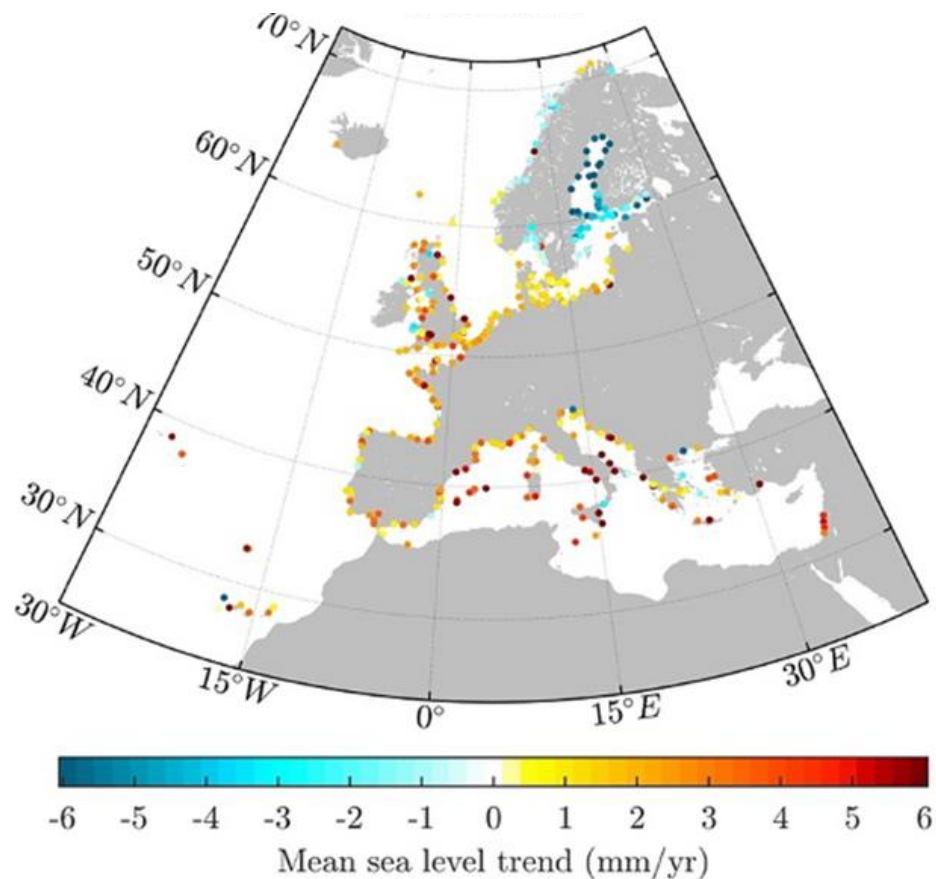
Sea Level Rise Conference 2022, Venice, Italy

What do stakeholders think and need?

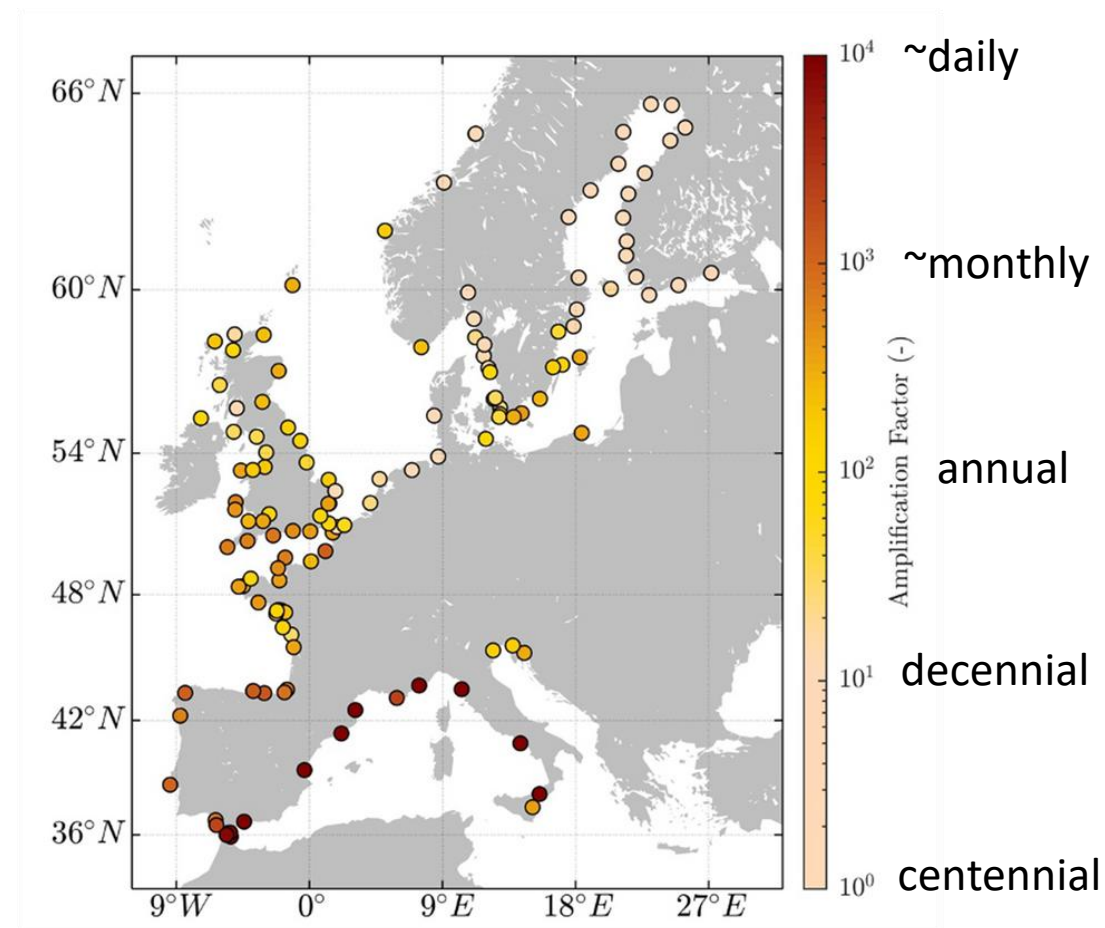


Breaking down data and information to the **regional** level

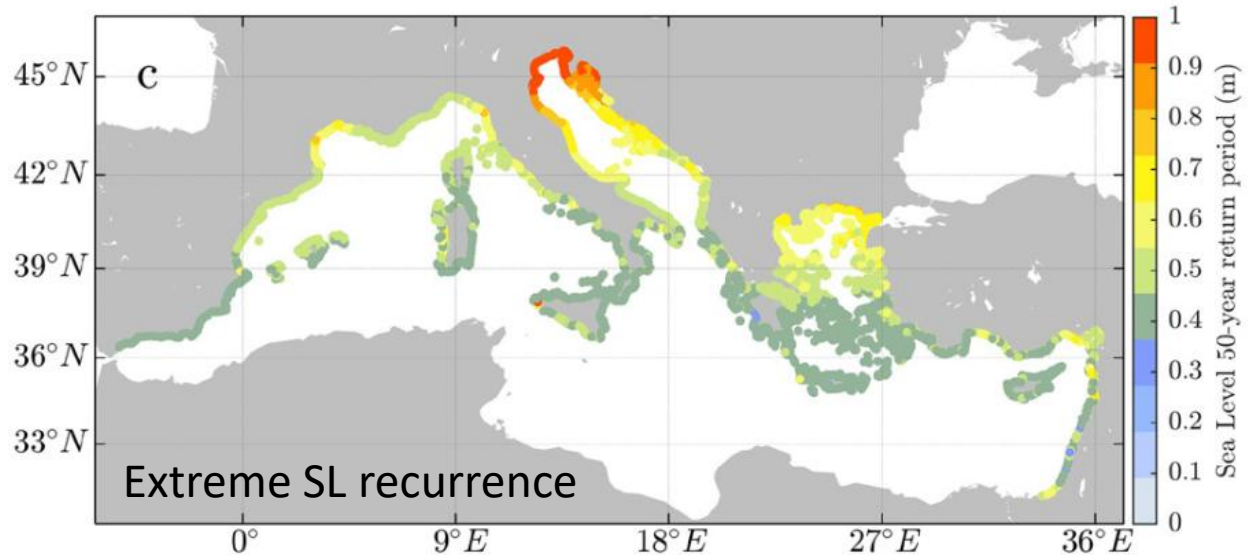
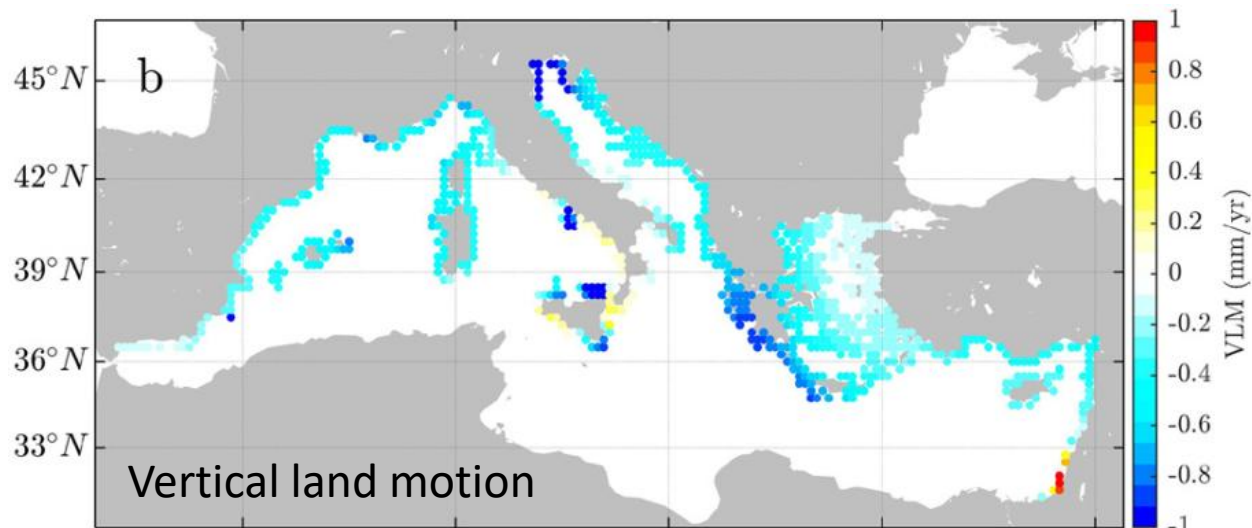
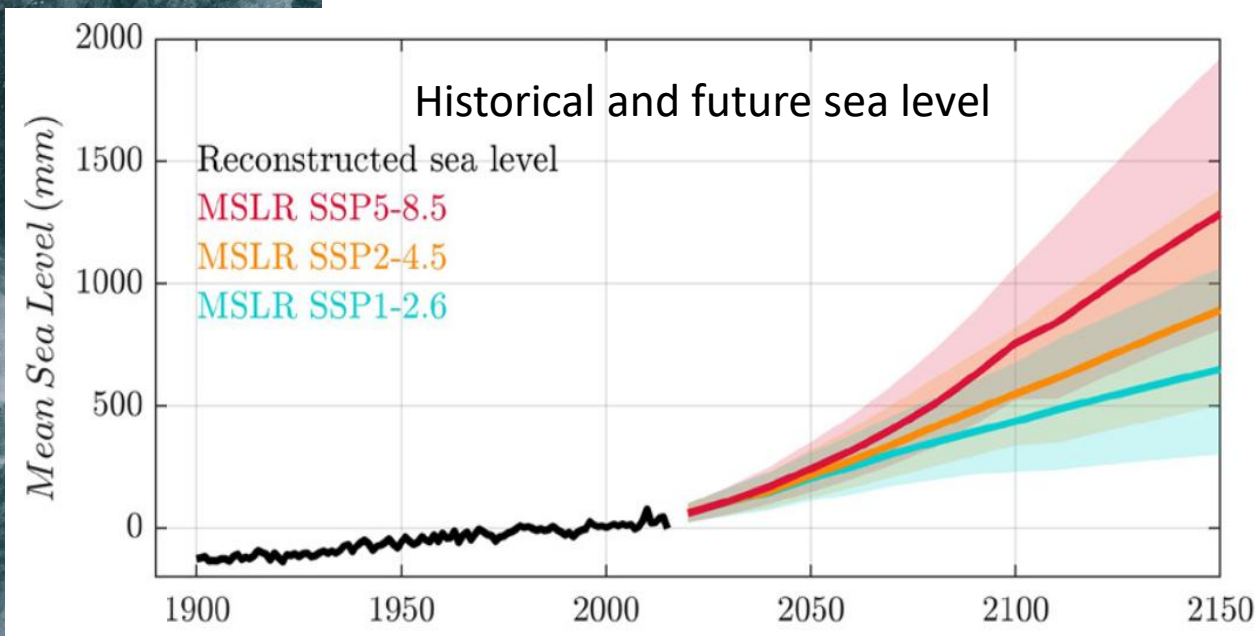
**Present sea level rise
relative to the ground**



**Historical 1-in-100-years sea level
event will in 2100 be:**



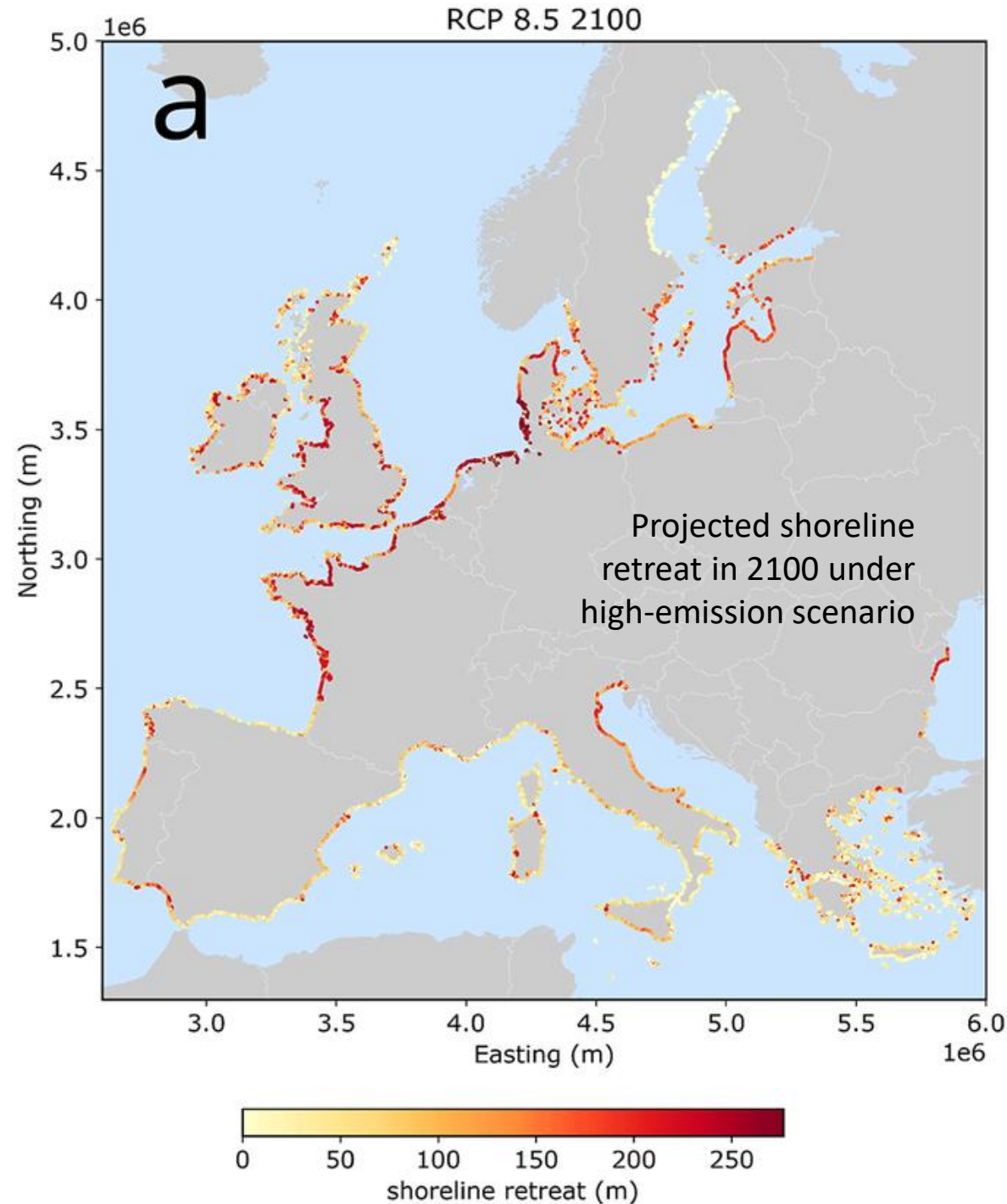
Zooming in on regional seabasins - The Mediterranean Sea -



Chapter 'Impacts'

Coastal erosion

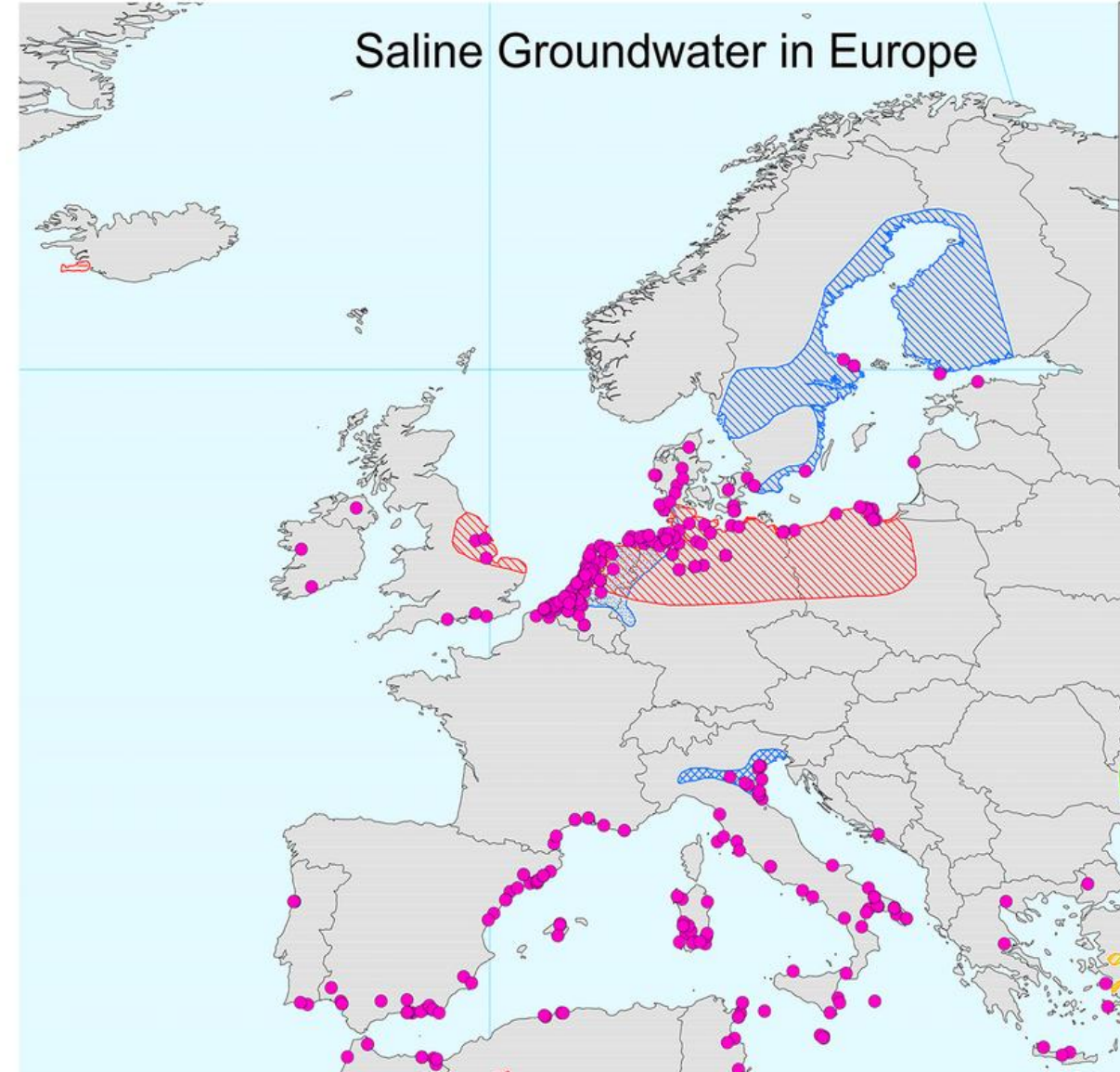
2500 km² land loss
by 2100



Chapter 'Impacts'

Saltwater intrusion

- Known studies of groundwater salination



Chapter 'Adaptation'

ADAPTATION STRATEGIES



ACCOMMODATE

PROTECT



ADVANCE

RETREAT



Adaptation Measures and Decision-Making Principles



Chapter 'Governance'

Assessment of national policies for coastal adaptation

We identified **22** national
coastal adaptation policies
among EU countries.



How many of these have
considered sea level rise?



JPI Oceans and JPI Climate Boards
have decided to support a **2nd**
Sea Level Rise Assessment Report





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Thank you!

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knowledgehubsealevelrise.org

FULL REPORT



STATE OF THE
PLANET

<https://bit.ly/4kaIZAM>

<https://sp.copernicus.org/articles/3-slre1/>

SUMMARY BROCHURE

