



European Research Area
for Climate Services

European Research Area for Climate Services ERA4CS - Transnational Collaborative Research Projects 2016
Topic A - Researching and Advancing Climate Services Development by Advanced co-development with users

INSeaPTION

INtegrating Sea-level Projections in climate services for coastal adaptaTION

Status of the INSeaPTION project

INSeaPTION project team, 08/06/2020

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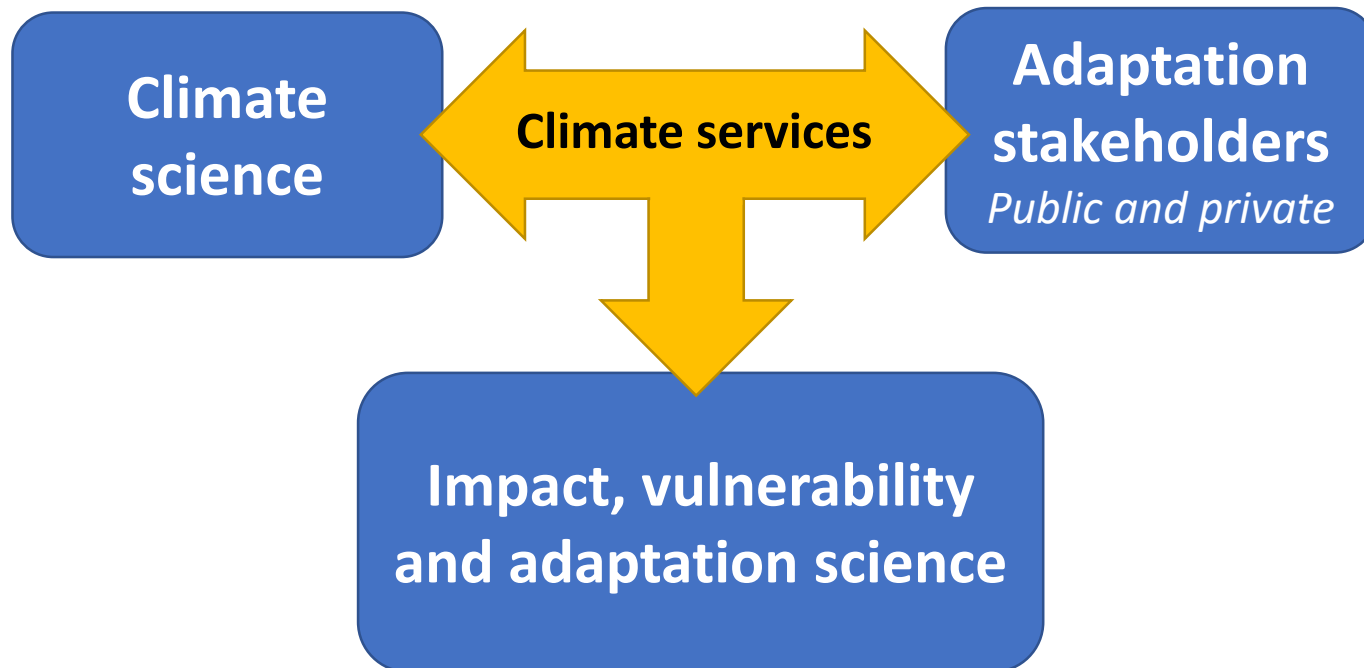
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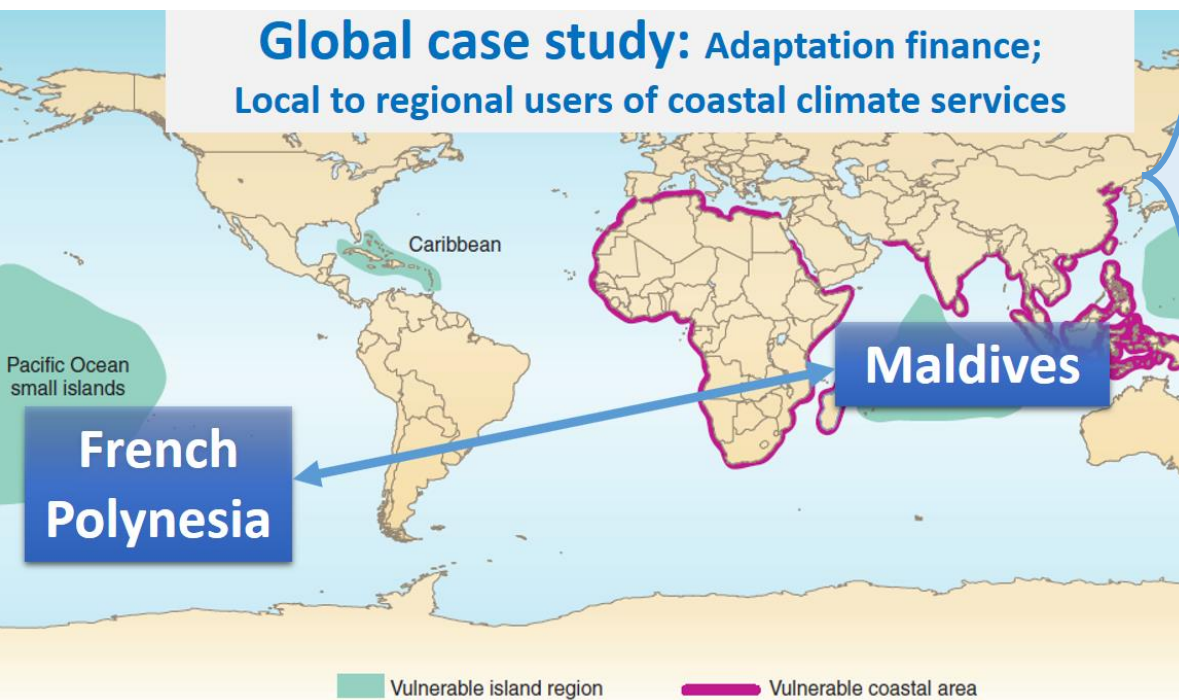
What are climate services?



Climate services provide the scientific information relevant for adaptation to and mitigation of climate change

The INSeaPTION project

- Which decision are relevant to coastal adaptation?
 - What scientific information can support these decisions?
- ⇒ pilot climate services to support coastal adaptation



#1 User interactions

#2 Decision context

#3 Sea level

#4 Impacts

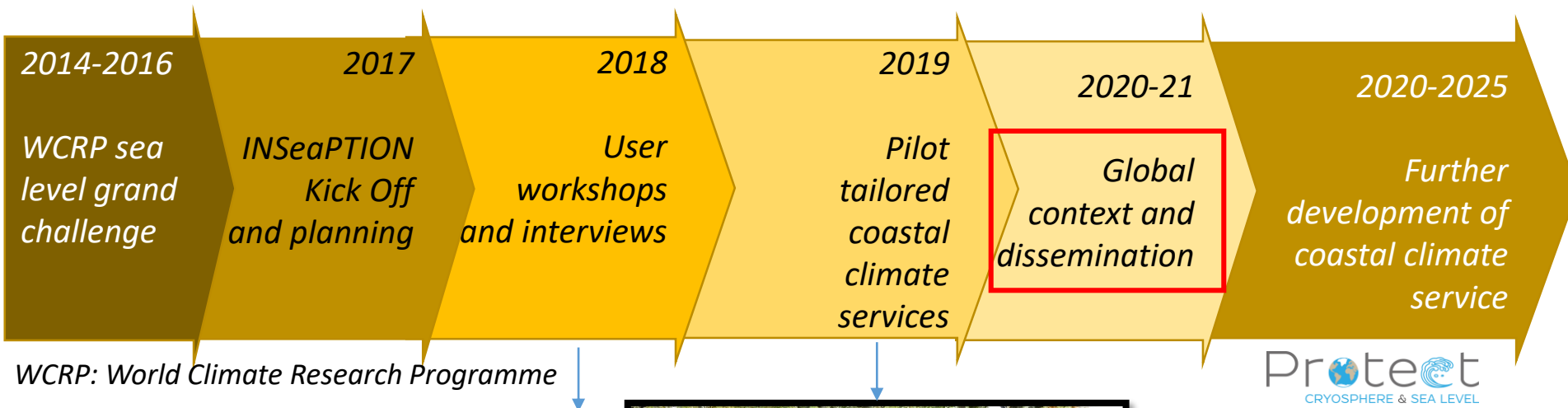
#5 Social and economic
vulnerability

#6 Adaptation

- Robert Nicholls scientific advisor for the project

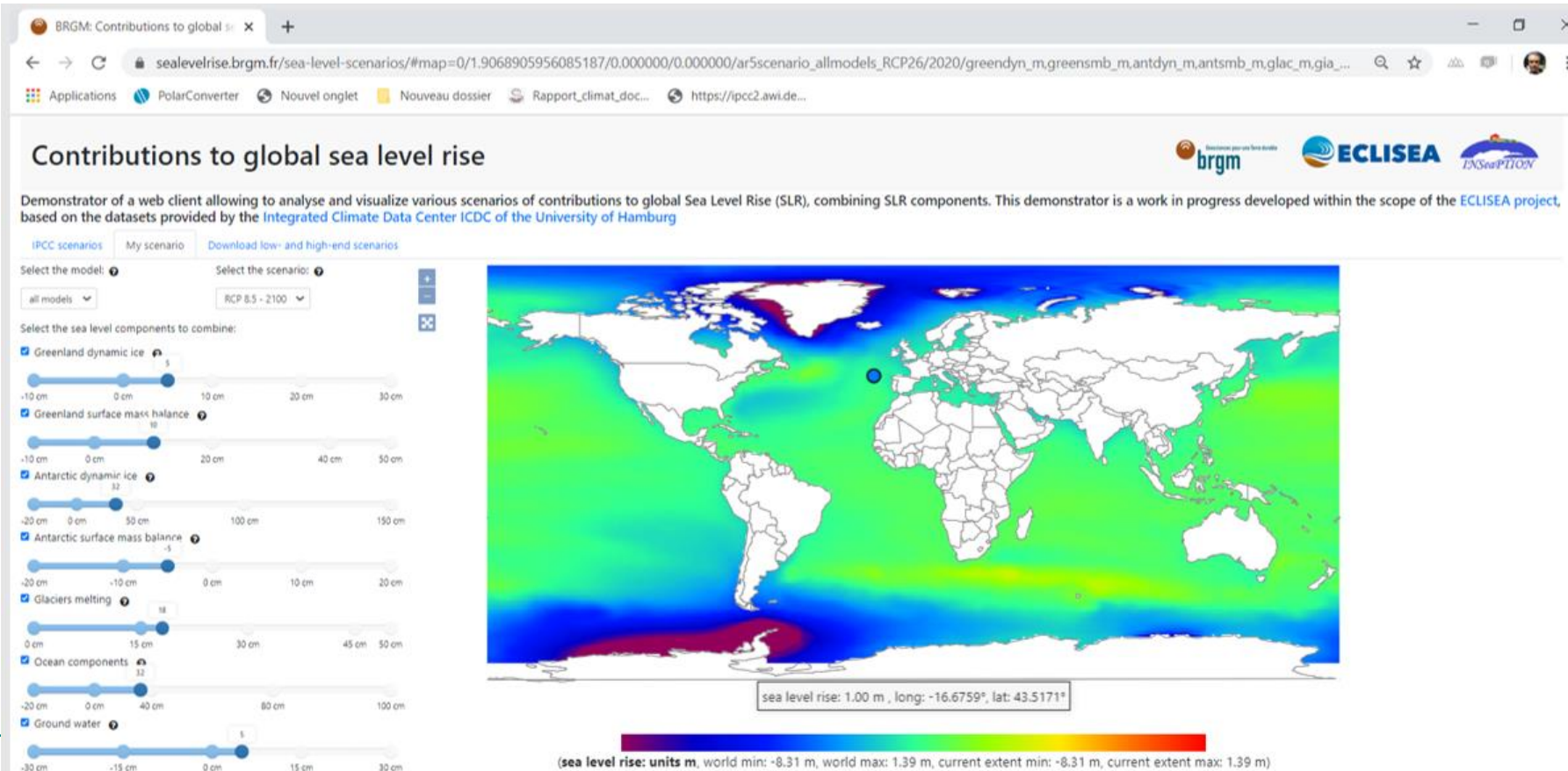
**Guidelines for setting
coastal climate services**

- Successful: user workshops, decision analysis, sea-level and extreme modeling, preliminary impacts results
- Still to be done: social and economic vulnerability & adaptation
- Constraint: time is very limited for each single component of the project

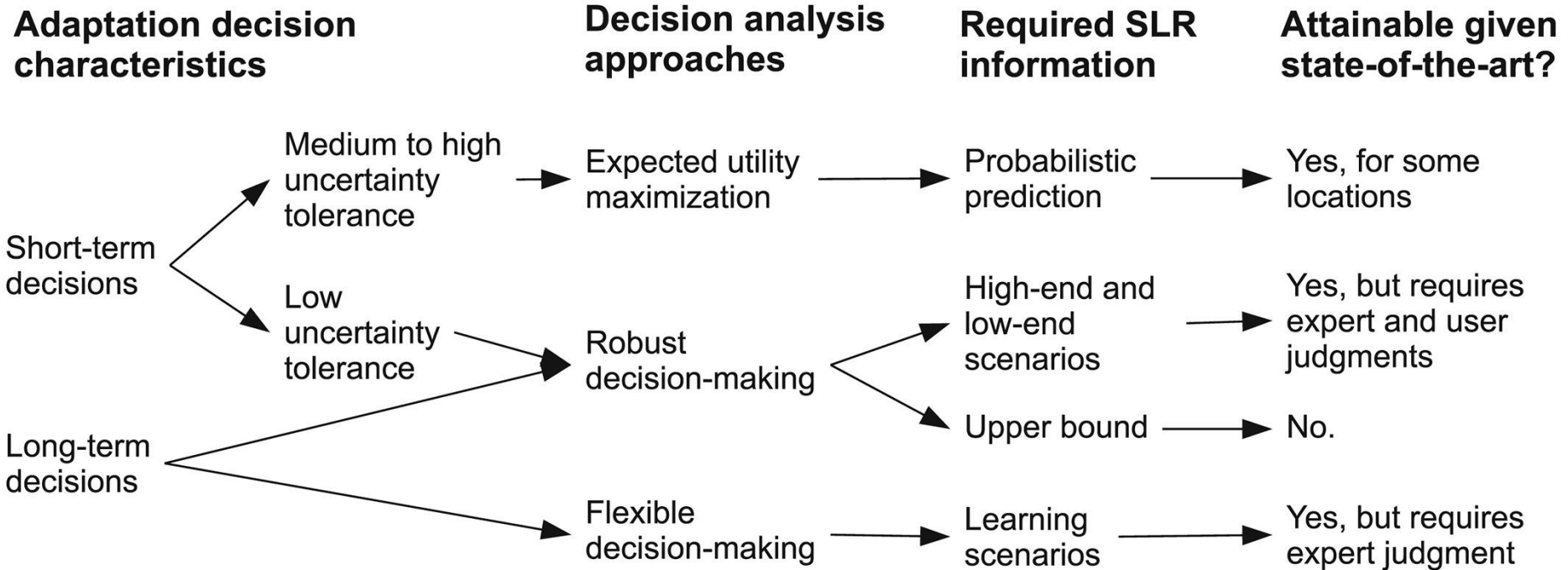


COVID-19 has affected the 3 final stakeholders workshops

- Portal delivering access to IPCC sea-level scenarios, as well as high/low-end and tools to design your own scenario
- Based on contributions to the SROCC (Van De Wal, Hinkel, Lambert...) as well as other papers and developments (Tellez et al., 2016; Hinkel et al., 2019; Le Cozannet et al., 2019...)
- Expertise on sea-level still required to use the tool.



- Framework for identifying the most appropriate sea-level information (Hinkel et al., 2019)
- Application in case studies, incl. with members of the global stakeholder group (Energy)



Today's objectives:

Progress in understanding types of global SLR decision problems
Ensuring continuation of activities beyond INSeaPTION

This follows two workshops: Haarlem 2018, Orléans 2019 (WCRP/Clivar)
To note: special issue on climate services: papers due end 2020

Many thanks to our GCF Colleagues for organizing this event virtually

Thank you for your attention

Thank you for your participation

