

CLIMATE SERVICES WORKSHOP

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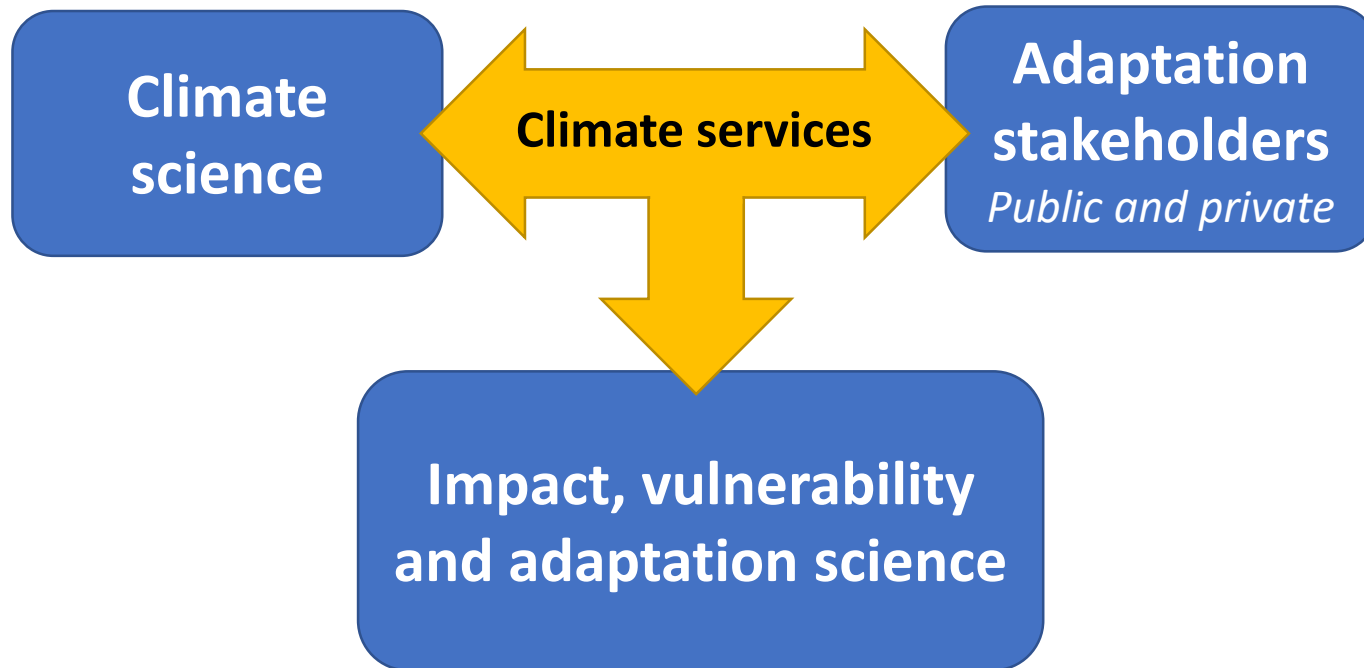
WCRP Climate Services Workshop
12-13th November 2019
Orléans, France

What are climate services?



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

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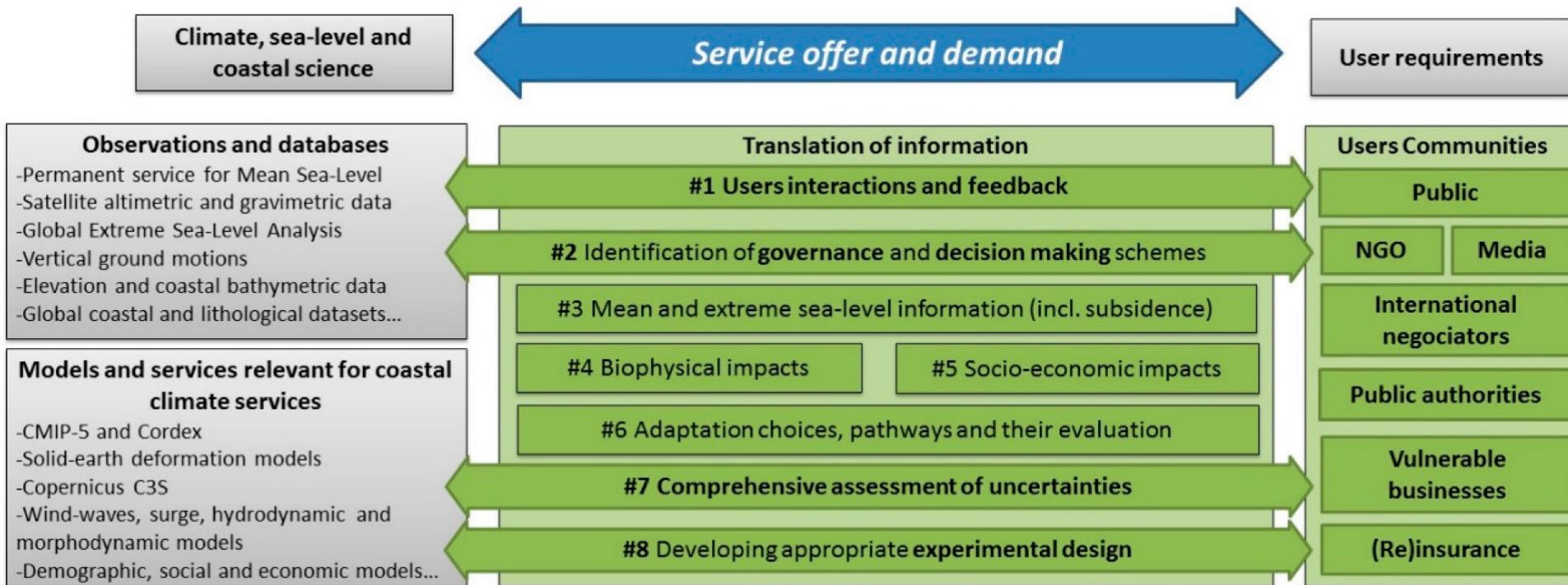
Climate services provide the scientific information relevant for adaptation to and mitigation of climate change

Estimated investment needs (excluding OECD): 60 to 300 billion euros/year by 2030
(IPCC, 2014; UNEP, 2016)

Hewitt et al., 2012; Brasseur and Gallardo, 2016

Coastal climate services

- From a market analysis of climate services: strongest potential for services in support to flooding risk management (Cavelier et al., 2017)
- Coastal zones are especially in need of climate services for adaptation, in particular due to committed sea-level rise (Le Cozannet et al., 2017)



Coastal climate services exist already...

... but many relevant activities do not identify themselves as coastal climate services



Drias les futurs du climat

ACCUEIL ACCOMPAGNEMENT DÉCOUVERTE DONNÉES ET PRODUITS

Drias les futurs du climat, projections climatiques pour l'adaptation de nos sociétés.

Drias les futurs du climat a pour vocation de mettre à disposition des projections climatiques régionalisées réalisées dans les laboratoires français de modélisation du climat (IPSL, CERFACS, CNRM-GAME). Les informations climatiques sont délivrées sous différentes formes graphiques ou numériques.

Drias les futurs du climat propose une démarche d'appropriation en trois étapes : l'ESPACE Accompagnement présente un guide d'utilisation et de bonnes pratiques pour les projections climatiques. L'ESPACE Découverte permet de visualiser et géolocaliser les projections climatiques au plus près de chez vous, en métropole comme outre-mer : vous avez accès à toutes les informations fournies par les modèles de climat, pour les scénarios les plus récents (RCP) présentés dans le dernier rapport du GIEC. Enfin, l'ESPACE Données et Produits vous permet de télécharger ces paramètres et indices climatiques sous forme de données numériques.

Actualités ...

26/06/17 Mise à disposition de graphes passé futur (scénario Inhibiteur)

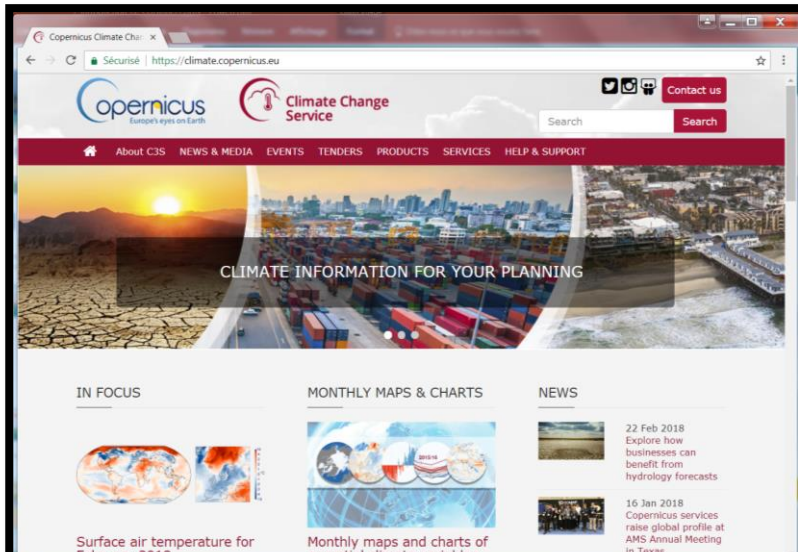
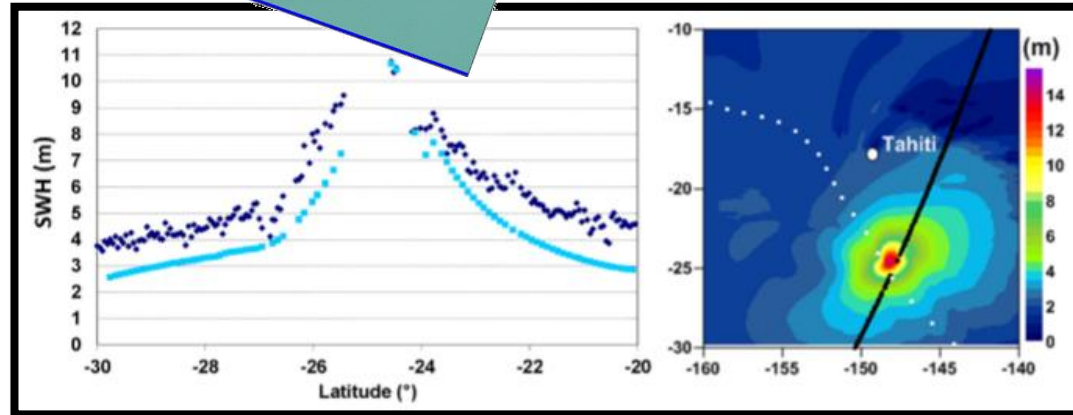
12/04/18 Mise à disposition des indices "Feux de forêt"

METEO FRANCE CERFACS

ESPACE Accompagnement Le guide d'utilisation et des bonnes pratiques pour des données et produits

ESPACE Découverte L'exploration des indicateurs climatiques géolocalisés sur votre

ESPACE Données et Produits L'espace de commande et téléchargement des données et produits



Copernicus Climate Change Service

CLIMATE INFORMATION FOR YOUR PLANNING

IN FOCUS

MONTHLY MAPS & CHARTS

NEWS

22 Feb 2018 Explore how businesses can benefit from hydrology forecasts

16 Jan 2018 Copernicus services raise global profile at AMS Annual Meeting in Taipei

Surface air temperature for

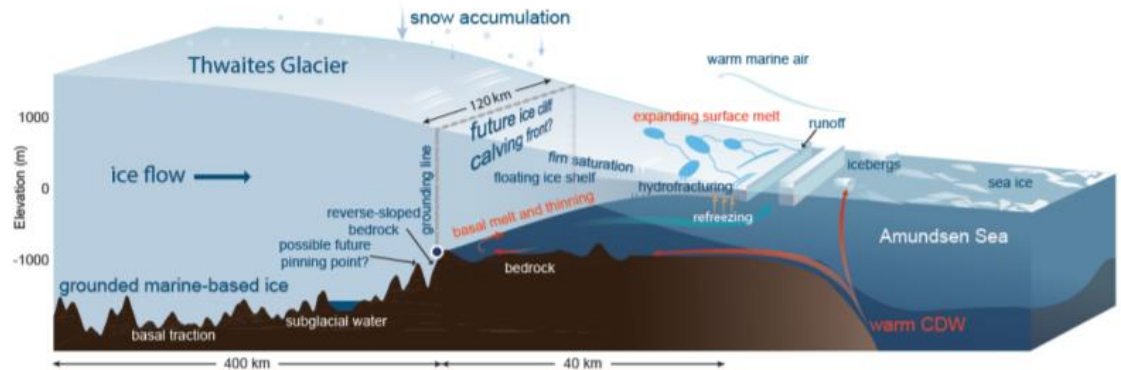
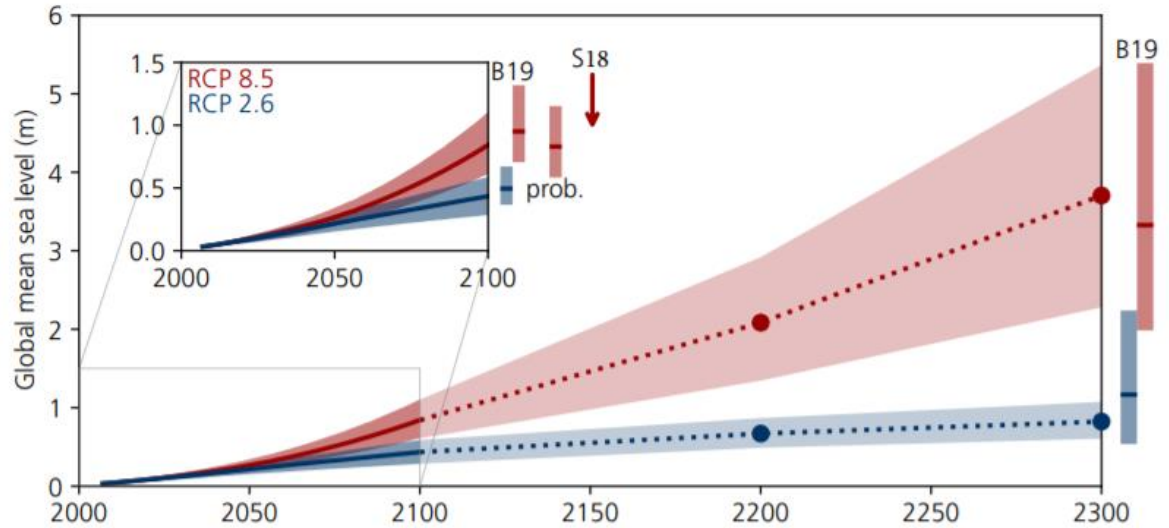
Monthly maps and charts of



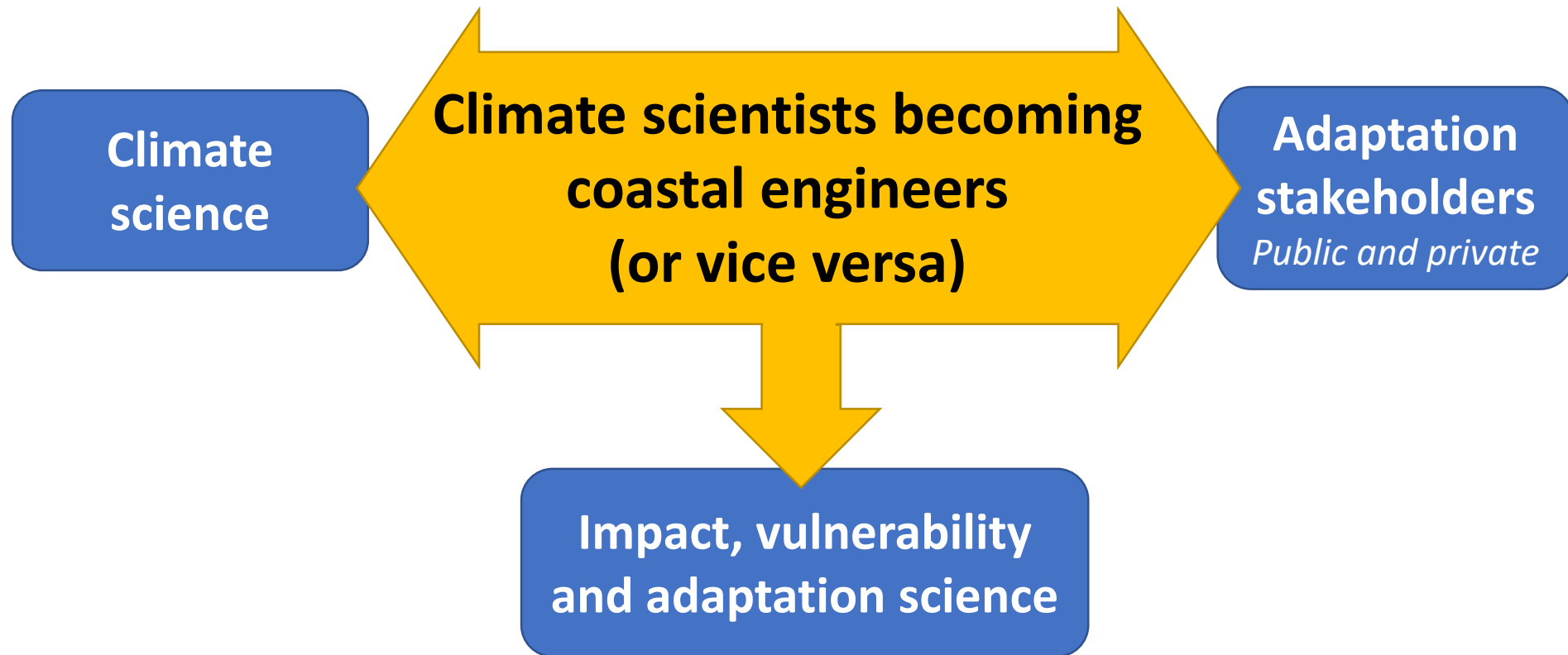
Observations
Modelling
Case studies
Training
User support

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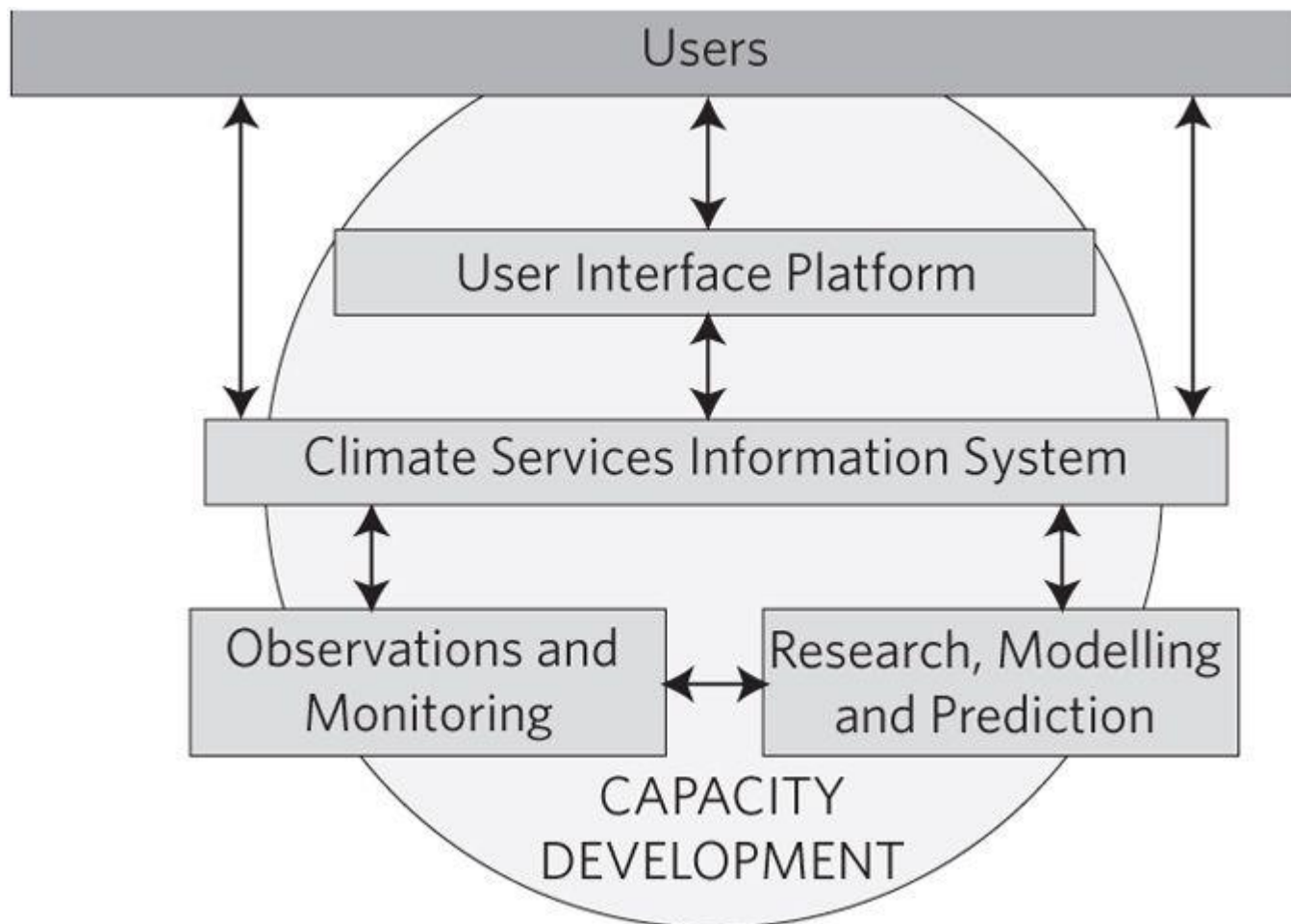
Current coastal climate services leadership



This is not sufficient to respond to committed sea-level rise

Existing frameworks for climate services

Need for infrastructure, expertise, training focused at the interface between climate science, coastal engineering and users



Our workplan for these two days

- Current status of climate services and planned activities (session 1)
- Users and their needs (session 2)
- Translating science to operations (session 3)
- Interacting with users (session 4)
- Challenges and recommendations (session 5)

Cross-cutting issues:

- What are barriers and opportunities?
- Where/how can breakthroughs take place?
- What are research and development needs?
- Are there urgent policy, guidance, funding, regulation, normalization needs?
- How can the agenda be moved forward?

⇒ outcome: policy brief, a white paper, a journal paper or a special issue

Summary

We are here to move forward the agenda

Public and private policies, developments and research are needed to develop coastal climate services to the scale it is required given committed sea-level changes

Workshop outcome: a set of recommendations for the development of coastal climate services

This could take the form of a policy brief, a white paper, a journal paper or a special issue

To be discussed Wednesday afternoon

Montalivet
February 2014

Photos: OCA, ONF, ULM Sud Bassin

THANK YOU FOR YOUR ATTENTION

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