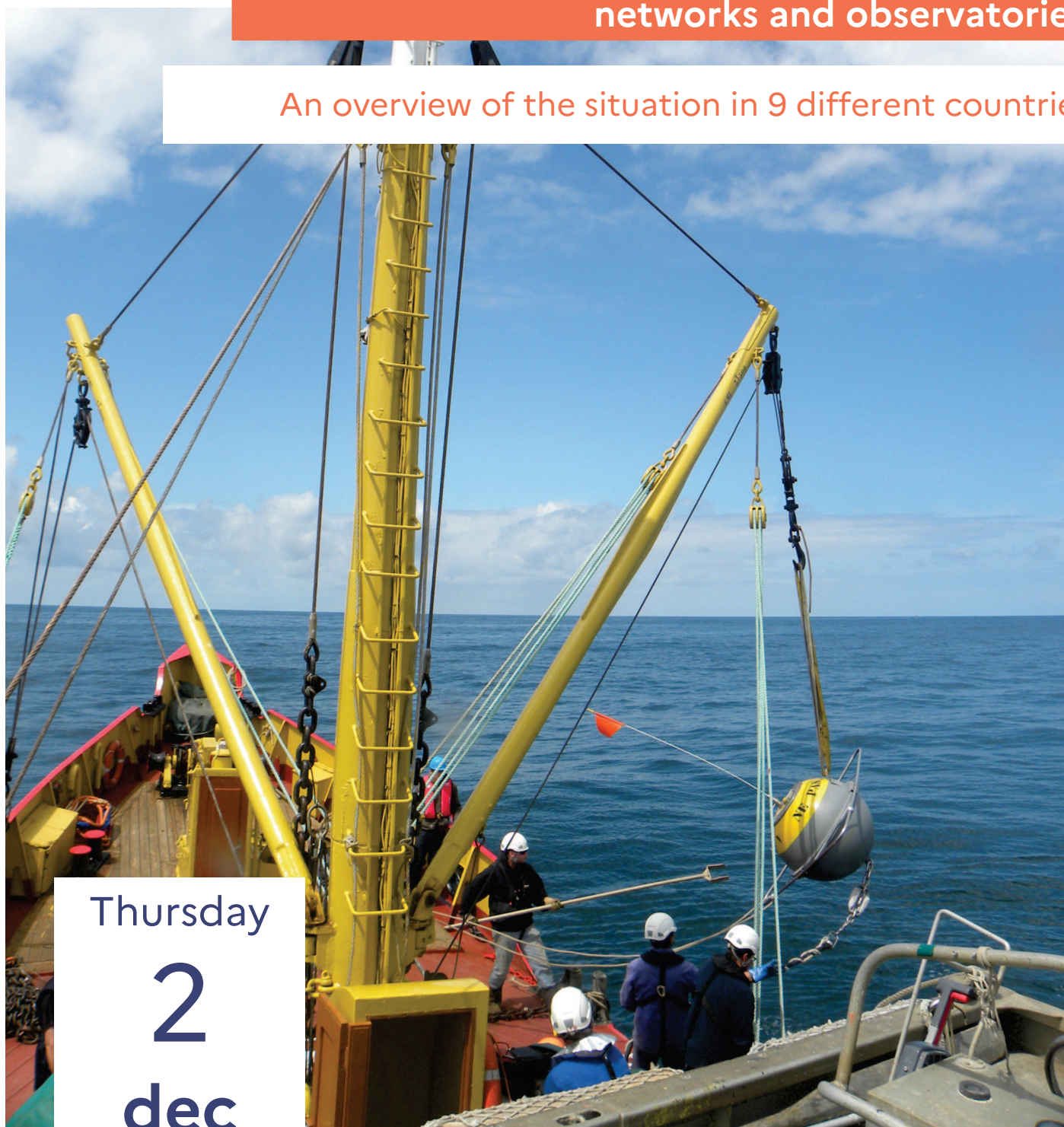


# International coastal wave measurement networks and observatories

An overview of the situation in 9 different countries



Thursday

2

dec

2021

13:00  
15:00 UT





## CONTEXT AND CHALLENGES

Cerema is a French public agency for adapting to climate change and environmental transition, urban development, buildings, mobility, transport infrastructure, natural hazards and sea and coastal engineering. It develops and disseminates knowledge and know-how to a wide range of both public and private stakeholders. In particular, Cerema created and has been operating the French national coastal wave measurement observatory (including a significant part of the measurement network for wind-sea and swell), referred to as Candhis.

Cerema's efforts aims at developing an integrated national information system on sea states, ensuring the production, capitalization and dissemination of data and value-added services to end-users as well as facilitating the exchanges in the user communities and between the different stakeholders.

In 2021, Cerema carried out an international benchmark on coastal wave measurement networks and observatories funded by the French National Research Agency. The objective was to produce a comprehensive update on practices to help guide the Candhis network development strategy.



## AIMS AND OBJECTIVES

The aim of the workshop is to share the key information gathered, in particular with the various parties involved in this kind of network. This will enable to better understand the nature and the objectives of data providers, to share their respective experience, to find new ways to maintain measurement sites and to bring further added value to data.

The webinar will also initiate a direct dialogue between data providers and users so as to better take into account their needs and expectations, while pointing out the challenges that lie ahead.



## AUDIENCE

The webinar is opened to coastal wave measurement networks and observatories operators as well as to all the other parties interested in the production or the use of data.



## PROGRAM

13h00 UT

### Introduction

#### **Ms Charlotte Le Bris**

Chief engineer

Science and Technology and European and International Affairs Department

Centre for Studies on Risks, Environment, Mobility and Urban Planning (Cerema)

#### **Dr Sébastien Dupray**

Deputy director

Technical directorate Water, Sea and Rivers

Centre for Studies on Risks, Environment, Mobility and Urban Planning (Cerema)

- 13h10 UT **Perspective from the Netherlands**
- Mr Pieter Haaring**  
Expert on information systems  
Rijkswaterstaat
- Mr Robert Slomp**  
Software coordinator for flood risk management  
Rijkswaterstaat
- 13h20 UT **Perspective from USA**
- Ms Julie Thomas**  
Program Manager (Retired)/Senior Advisor  
Coastal Data Information Program (CDIP)  
Chair of NOAA's National Ocean Services Hydrographic Services Review Panel
- 13h30 UT **Perspective from England**
- Dr Thomas Dhoop**  
Project Manager | Coastal Scientist  
Channel Coastal Observatory  
National Network of Regional Coastal Monitoring Programmes
- 13h40 UT **Perspective from Finland**
- Mr Antti Kangas**  
Head of Oceanographic Services  
Finnish Meteorological Institute
- 13h50 UT **Perspective from Belgium**
- Mr Johan Vercruysse**  
Project engineer  
Vlaamse overheid  
Agentschap maritieme dienstverlening en kust  
Afdeling Kust
- 14h00 UT **Perspective from Italy**
- Dr Arianna Orasi**  
Dipartimento di Tutela delle Acque Interne e Marine  
National Centre for Coastal Zone Protection and Characterization, Marine  
Climatology and for Operational (ISPRA)
- 14h10 UT **Perspective from Iceland**
- Mr G Orri Gröndal**  
Hydrographic surveyor  
Vegagerðin, Icelandic Roads and Coastal Administration
- 14h20 UT **Perspective from Portugal**
- Ms Rita Esteves**  
Data Buoy Manager  
Hydrographic Institute - Portuguese Navy

- 14h30 UT **Perspective from France**  
**Dr Xavier Kergadallan**  
Projet manager  
Technical directorate Water, Sea and Rivers  
Centre for Studies on Risks, Environment, Mobility and Urban Planning (Cerema)
- 14h40 UT **Use of sea state data in engineering and research and development**  
**Dr Luc Hamm**  
Technical director  
Artelia Maritime
- 14h45 UT **Discussion**
- 14h55 UT **Conclusion and perspectives**
- 15h00 UT **End of the webinar**



## INFORMATION

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**Technical information:**

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