

## Poster Abstract Confirmation

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### Session choice

**\*Topics**

2. Collecting and Deriving Coastal and Ocean Information

Please refer to the session description in the detailed [programme](#)

\*Compulsory fields

### Poster Abstract submission

**\*Title**

IBISAR: service for real-time ranking of met-ocean data products for emergency and SAR operators

**\*Authors list**

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**\*Poster abstract information (in English) - 2000 characters**

Agencies in charge of Search and Rescue (SAR) missions, marine pollution response, and maritime traffic control are among the most demanding users of reliable met-ocean information. User-friendly, fast and intuitive access to high-quality met-ocean observations and forecast data for their area of interest and responsibility is essential to support emergency response missions. In order to accurately predict the oil drift patterns or determine the optimal search area of operation and effort allocation, emergency responders and SAR operators rely on winds and currents observations and model forecasts to be seamlessly integrated into SAR emergency response and environmental modelling risk applications.

However, the key over-arching concern of many targeted users is the impact of inaccurate data on decision-making process, which results in erroneous estimation of the needed resources and even in some extreme cases in lost lives. The downstream service IBISAR, oriented to emergency response, will be validated and promoted under the umbrella of the



Copernicus Marine Environment Monitoring Service (CMEMS) User Uptake programme, facing the increasing demand for better understanding and objective data quality assessment.

Upgrading an existing Skill Assessment (SA) service, IBISAR aims to provide ranking of real-time met-ocean data products in the Iberia-Biscay-Ireland (IBI) region for emergency responders, SAR operators and other maritime safety, coastal and marine environment actors. Specifically, IBISAR service will provide the users with easily interpretable quantitative metrics and rankings of the different met-ocean products available in their area of interest, and in the time frame selected by them, in a user-friendly way. This service will guide SAR operators in selecting the most accurate met-ocean product on-the-fly, as input for their SAR and environmental modelling applications, to improve the response capabilities and to enhance their efficiency.

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