



**EuroGOOS Annual
General Assembly Meeting
21-32 May 2024
Lisbon, Portugal**

Formal session

Agenda Item F7: New EuroGOOS Members

Document F7.2: Irish Meteorological Service (Met Éireann)

The formal application from the Irish Meteorological Service (Met Éireann).



MET ÉIREANN
The Irish Meteorological Service

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EuroGOOS Secretariat

European Global Ocean Observing System - EuroGOOS AISBL

Rue Vautier 29,

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Belgium

22/04/2024

Dear EuroGOOS Secretariat,

Subject: Application for Membership to EuroGOOS

I hope this letter finds you well. On behalf of Met Éireann in Ireland, I am formally submitting our application for membership to EuroGOOS in accordance with the company rules, outlined in "EuroGOOS Internal Rules".

As part of this application, please find below a brief overview of our organisation's tasks and activities including the status of the organisation and our relations with other marine institutions in this country. Met Éireann acknowledges and agrees to abide by the EuroGOOS Deed of Incorporation/Articles of Association and the company rules. We understand that there is no Memorandum of Understanding (MoU) to be signed, and all confirmations must be addressed within the application itself.

Met Éireann, Ireland's National Meteorological Service, is maintained by the State under the UN Convention of the World Meteorological Organisation (WMO). It is the public service scientific organisation responsible to the Irish State for:

- The production and communication of authoritative weather, climate, and flood forecasting services to protect life and property, and to promote wider societal and economic well-being.
- Conducting research into weather, flooding, and climate, to inform decision-making.
- The collection and production of high-quality meteorological and hydrological data.
- Representing Ireland at the WMO, European Centre for Medium-Range Weather Forecasts (ECMWF) and European Organisation for the Exploitation of Meteorological Satellites (EUMETSAT)



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Within Met Éireann, the National Flood Forecasting Centre (FFC) was established to provide flood forecasts nationwide, covering both fluvial and coastal sources. These forecasting capabilities rely on operational mathematical models: an SMHI Hype model integrated into the Delft-FEWS cloud for the hydrological model (fluvial), and DHI's Mike 21 model run on the European Centre for Medium-Range Weather Forecasts (ECMWF) High-Performance Computer environment in Bologna for our Tide and Storm Surge Forecasting (TSSF) model (coastal). However, the TSSF model does not account for wave action. Consequently, we have collaborated with The Marine Institute, which generously shared their existing wave buoy data with us. The Marine Institute, established to undertake, coordinate, promote, and assist in marine research and development, continues to work with us to enhance and refine the data from these wave buoys.

Additionally, the FFC has partnered with the Commissioner of Irish Lights (CIL), a maritime organization dedicated to providing essential safety services along the Irish coast, protecting the marine environment, and supporting the marine industry and coastal communities. Together, the FFC and CIL are expanding our wave data network across the country by deploying wave sensors on existing Aid to Navigation buoys owned by CIL. This initiative maximizes the efficiency of existing infrastructure, supports our coastal efforts, and fosters productive relationships with other marine institutions in the country.

Furthermore, in line with the requirements, we have nominated Rosemarie Lawlor, Head of the Flood Forecasting Division in Met Éireann, as our delegate who will serve as Met Éireann's main focal point within EuroGOOS. She will represent our organisation at EuroGOOS meetings and will be entrusted with decision-making and voting rights as per the company rules.

We are eager to become a part of the EuroGOOS community and contribute to the advancement of ocean modelling and forecasting, observing systems and services. Membership in EuroGOOS aligns with our commitment to international cooperation in the fields of meteorology, climatology, hydrology, hydrography and forecasting. It also supports Met Éireann's vision of making Ireland weather and climate prepared.

We appreciate your consideration of our application and look forward to the opportunity to collaborate with EuroGOOS and its members.

Thank you for your attention to this matter.

Sincerely,

Rosemarie Lawlor

Head of Flood Forecasting Division

Met Éireann.