

Reading, 02 April 2017

## **GEO Data Provider Statement - ECMWF**

### **Data provider short description**

ECMWF is both a research institute and a 24/7 operational service, producing and disseminating numerical weather predictions to its Member States. The centre provides twice-daily global numerical weather forecasts as well as data on air quality analysis, atmospheric composition monitoring, climate monitoring and hydrological prediction. ECMWF's MARS (Meteorological Archival and Retrieval System) archive is world's largest archive of meteorological data currently holding ~ 200PB of operational and research data. ECMWF operates the two Copernicus Services on Climate Change (C3S) and Atmospheric Monitoring (CAMS) that will deliver freely available environmental data on an operational mode.

### **How do you contribute to the GEO Vision?**

ECMWF is a participating organisation at GEO. So far, data from two projects (ERA-interim and TIGGE) are brokered by GEOSS. Data from both projects are freely available and of value to many communities. By making the datasets discoverable with the help of GEOSS, the datasets become more visible to other communities. In this way, ECMWF open data can be shared with other communities, which increases data uptake and thus, the overall value of the data.

### **Type of organisation?**

ECMWF is an independent intergovernmental organisation supported by 34 states.

### **Type of data?**

- Forecast data (not open)
- Global Climate Reanalysis data (e.g. ERA-interim)
- Copernicus Services (Climate and Air Quality Data)
- Data from specific projects (TIGGE and S2S)

### **Data policy adopted by your organisation?**

ECMWF offers a range of public datasets that are free of charge for the general public. There are two different licenses in place:

- a data license that can be used for own purposes, including research, education and activities for commercial gain (example: [ERA-interim reanalysis data](#))
- a license that gives permission to use the data for Research and Education purposes (example: [TIGGE project](#))

Access to ECMWF forecast data is free to the national meteorological services in the Member States. Other parties interested in ECMWF forecast data can obtain a license to use the data for a fee.

Copernicus follows a [full open data license](#), which is free of charge, worldwide, non-exclusive, royalty free and perpetual. All data produced by C3S and CAMS can be used for reproduction, distribution, communication to the public, adaptation, modification and combination with other data and information and any combination of the points mentioned before.

**Already brokered or not by GCI?**

Yes, [ERA-interim](#) and [TIGGE](#) data are brokered and discoverable through the GEOSS portal.

**Why are you interested in GEO - GCI?**

GEO brings together many different communities and it increases the visibility of a data organisation.

**How GEO - GCI brings you benefits?**

The participation at GEO and the brokerage of ECMWF / Copernicus data to be available at the GEOSS portal makes the data more discoverable, especially to communities that are not related to meteorology and climate. An improved discovery eventually increases the data uptake and this in turn increases the value of ECMWF's open data.

**Benefits and issues encountered.**

When a user looks for ERA-interim and TIGGE, "NASA Global Change Master Directory" is mentioned as organisation. Should this not be ECMWF?

**What to improve?**