

Project

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TIGGE archive

The TIGGE archive consists of ensemble forecast data from thirteen global numerical weather prediction (NWP) centres, starting from October 2006.

TIGGE has become a focal point for a range of research projects, including research on ensemble forecasting, predictability and the development of products to improve the prediction of severe weather. Further information is available from [this leaflet](#), the web page on [GIFS](#) (Global Interactive Forecast System) and on other pages of this website.

We anticipate that TIGGE, together with TIGGE-LAM, will provide valuable data to support both the Polar Prediction Project (PPP) and High-Impact Weather (HIWeather) project, as well as other WWRP projects. The third THORPEX legacy project on Subseasonal to Seasonal Prediction (S2S) has [its own archive](#) dataset.

We request researchers using TIGGE to [inform us](#) of their research progress, particularly when papers are published.

Management of TIGGE

The TIGGE archive was established by the original three archive centres: ECMWF, NCAR and CMA, using global ensemble forecast data contributed by 10 data providers. An additional partner, NCDC, processes the NCEP forecast data for TIGGE.

As part of the THORPEX programme, the TIGGE project was overseen by the [GIFS-TIGGE working group](#), which included representatives from all the TIGGE partners. Further information about the working group, including meeting reports, is shown on the GIFS-TIGGE WG [web page](#).

Since end of 2014, when the THORPEX programme finished, a new WWRP (World Weather Research Programme) working group on Predictability, Dynamics and Ensemble Forecasting (PDEF) oversees TIGGE. Further information is shown on the [PDEF working group page](#).

A [TIGGE Panel](#), comprising representatives from the TIGGE and TIGGE-LAM partners now manages TIGGE, and the chair of the TIGGE panel is a member of the PDEF working group.

TIGGE partners

	Centre	Model acronym	Archive acronym	Remark
1	Bureau of Meteorology , Melbourne, Australia	BoM	ammc	
2	China Meteorological Administration , Beijing, China	CMA	babj	
3	Centro de Previsao Tempo e Estudos Climaticos , Cachoeira Paulista, Brazil	CPTEC	sbsj	
4	Deutscher Wetterdienst , Offenbach, Germany	DWD	edzw	joined Dec 2020
5	Meteorological Service of Canada , Montreal, Canada	ECCC	cwao	
6	European Centre for Medium-Range Weather Forecasts , Reading, Europe	ECMWF	ecmf	
7	India Meteorological Department , New Delhi, India	IMD	vabb	joined Jul 2020
8	Japan Meteorological Agency , Tokyo, Japan	JMA	rjtd	
9	Korea Meteorological Administration , Seoul, Korea	KMA	rksl	
10	Météo-France , Toulouse, France	M-F	lfpw	
11	National Centres for Environmental Prediction , Washington, DC, USA The National Center for Atmospheric Research (NCAR) , Boulder, CO, USA	NCEP	kwbc	
12	National Centre for Medium Range Weather Forecasting , Noida, India	NCMRWF	dems	joined Aug 2017
13	MetOffice , Exeter, United Kingdom	UKMO	egrr	