



Our ref.: 27068/2019-RES/WWR

9 October 2019

Subject: TIGGE contribution beyond the end of 2019

Dear Sir/Madam,

As you may be aware, the Interactive Grand Global Ensemble (TIGGE) archive of ensemble forecasts has proven to be an extremely valuable resource to the global research community focusing on dynamics, predictability and applications of ensemble forecasts. The TIGGE database is archived at the European Centre for Medium-Range Weather Forecasts (ECMWF) and the China Meteorological Administration (CMA) and maintained by the TIGGE Panel¹. The same panel also oversees the TIGGE Tropical Cyclone tracks archives at the National Center for Atmospheric Research (NCAR). The current agreement for supply of the TIGGE data to the archive expires at the end of 2019.

The World Meteorological Organization thanks your service for the valuable contribution so far to its World Weather Research Programme (WWRP). The WWRP requests that your service continues commitment to supply global ensemble forecasts to the TIGGE archive until the end of 2023, when the future of TIGGE will again be reviewed. The intention is that the content and format of the supply of data from your operational ensemble forecasts would remain the same, although changes may be agreed through the discussion by the TIGGE Panel.

The TIGGE archive is the only record of operational global ensemble forecasts from multiple Numerical Weather Prediction (NWP) centres and is therefore a unique resource for internationally-leading research. Since starting in 2006, the archive volume has reached 3.4 PiB (7 billion global fields), supporting 3266 active users and resulting in over 270 scientific publications in leading journals.

The recent TIGGE-S2S Workshop² organized by the World Weather Research Programme, from 2 to 5 April 2019, attracted the highest ever number of participants to an ECMWF workshop. From the scientific and technical talks and posters it was obvious that the TIGGE database continues to be an invaluable resource for research. The recommendation by the workshop was to continue with the TIGGE database until 2023, aligned with the second Phase of the S2S Project.

To: Permanent Representatives (or Directors of Meteorological or Hydrometeorological Services) of Members of WMO (limited distribution)

1. <https://confluence.ecmwf.int/display/TIGGE/TIGGE+Panel>
2. <https://www.ecmwf.int/en/learning/workshops/workshop-predictability-dynamics-and-applications-research-using-tigge-and-s2s-ensembles>

We would be grateful to receive your reply on extending the contribution of your service to TIGGE before 20 October 2019, addressed to the TIGGE Panel Chair at Manuel.Fuentes@ecmwf.int.

Yours faithfully,



(E. Manaenkova)
for the Secretary-General