

Project

TIGGE-LAM is an extension of the THORPEX Interactive Grand Global Ensemble ([TIGGE](#)) archive to include weather forecasts from European limited area model (LAM) ensembles. These forecasts are produced at high resolution (between 12 and 2 km grid spacing) and provide detailed information for the short range, up to a few days ahead. TIGGE-LAM will also provide valuable feedback to global ensemble developments as the resolution of these systems is planned to increase significantly in the coming years.

[TIGGE-LAM leaflet](#)

TIGGE-LAM Panel of Expert

The TIGGE-LAM Panel of Experts was established to support the development of the Limited Area Model Ensemble Prediction System component of TIGGE. This Panel works in close coordination with the GIFS-TIGGE WG, in liaison with already existing LAM EPS initiatives and in coordination with the THORPEX regional committees.

The role of TIGGE LAM Panel is to:

- Encourage a coordinated approach to LAM EPS and recommend solutions to facilitate the development of collaboration for the mutual benefit of WMO members
- Formulate proposals to facilitate the interoperability of the different modelling systems contributing to TIGGE
- Formulate proposals for the creation of a coordinated distributed archive of limited-area ensemble forecasts i.e. TIGGE-LAM archive as an extension of TIGGE (global) one
- Contribute to the definition of scientific issues related to LAM EPS and particularly to TIGGE-LAM and should propose specific initiatives to explore these issues in a focused and organized way to advance LAM EPS

Assignee

TIGGE-LAM project leader: Tiziana Paccagnella

TIGGE-LAM archive in the frame of GEOWOW project

The idea to extend the TIGGE archive with ensemble forecasts from limited area models had started around 2008, but only recently came to life in the frame of GEOWOW project.

During the first phase of [GEOWOW](#) project (more specifically its Work Package 4) it has been worked on an extension of the TIGGE archive to include regional ensemble forecasts (TIGGE-LAM). The TIGGE-LAM archive is planned to contain input from various European contributors. A working relation with these potential Data Providers of Limited Area European Ensemble Prediction Systems was established.

Currently there are around ten data providers who expressed their interest in participating in the project.

The second phase of the project development will also improve the accessibility of TIGGE data by developing the ability to efficiently access long time series of forecast data at specific geographical locations.

Please refer to the [Development section](#) of this site for all information from the building phase of TIGGE-LAM archive and related tools.

ECMWF assignee

Accountable for GEOWOW project: Florian Pappenberger

Participants on TIGGE-LAM archive in the frame of GEOWOW:

- Baudouin Raoult (technical lead)
- Richard Mladek (archive development)
- Manuel Fuentes (MARS related development)
- Shahram Najm (GRIB-API related modifications)