TIGGE-LAM project

The archive of European LAM EPS at ECMWF

TIGGE-LAM will enable users to have easy access to all the European LAM EPS products.

The comparison and combination of these systems will facilitate the definition of guidelines to implement new Ensemble Prediction Systems and will support research for the development of new methodologies.

ECMWF EUROPEAN CENTRE FOR MEDIUM-RANGE WEATHER FORECASTS

- An extension of the THORPEX Interactive Grand Global Ensemble (TIGGE) to LAM ensembles.

- A European TIGGE-LAM database has now been set up at ECMWF.

- See our poster for more information

- TIGGE-LAM leaflets are also available for you to take away.

The leaflet shows which LAM-EPS systems are contributing to TIGGE-LAM

TIGGE-LAM is an extension of the THORPEX Interactive Grand Global Ensemble (TIGGE) archive to include weather forecasts from 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.

In the TIGGE archive, ten of the leading global weather forecast centres are providing regular global ensemble predictions to support research, particularly addressing predictability, dynamical processes and the development of probabilistic forecasting methods.

The Observing System Research and Predictability Experiment (THORPEX) is a 10-year international research programme that was established in 2005 to accelerate improvements in the accuracy and utility of high-impact weather forecasts up to two weeks ahead. THORPEX is part of the World Weather Research Programme and is a key research component of WMO's disaster risk reduction programme.
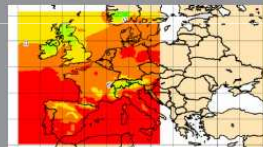
Example forecasts of surface air temperature from the TIGGE-LAM archive (different cases for each ensemble).
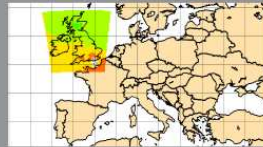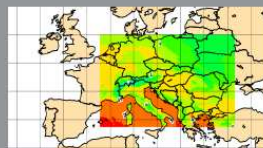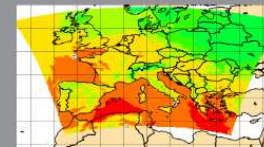
MOGREPS-UK
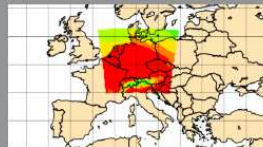
COSMO-DE-EPS

PEARP

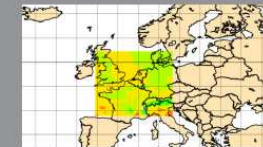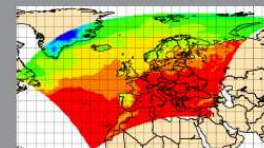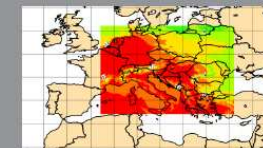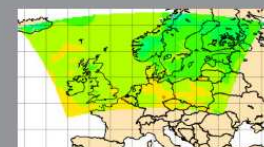ALADIN-LAEF

COSMO-LEPS

SRNWP-PEPS

GLAMEPS

HUNEPS

DMI-HIRLAM

SYSTEM	PROVIDER
AEMET-SREPS	AEMET, Spain
ALADIN-LAEF	ZAMG, Austria
COSMO-DE-EPS	DWD, Germany
COSMO-LEPS	ARPA-ER SIMC, Italy (for COSMO)
DMI-HIRLAM	DMI, Denmark
GLAMEPS	DMI, Denmark (for HIRLAM and Aladin)
HUNEPS	OMSZ, Hungary
MOGREPS-UK	Met Office, United Kingdom
PEARP	Météo-France
SRNWP-PEPS	DWD, Germany (for SRNWP)