



World Meteorological Organization
Organisation météorologique mondiale

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Weather • Climate • Water
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Our ref.: ETR/FEL

GENEVA, 9 March 2015

Annex: 1 (available in English only)

Subject: Opportunity for a WMO Fellowship at ECMWF

Action required: For information and appropriate action, as required

Dear Sir/Madam,

The World Meteorological Organization (WMO) is working closely with the European Centre for Medium-Range Weather Forecasts (ECMWF) in the enhancement of the network of cooperation opportunities between experts dealing with weather forecasting and sub-seasonal prediction at international level. In furtherance of this collaboration, ECMWF has agreed to host a WMO fellow with the required qualification to work with its experts for a period ranging between 8 and 12 months on the duties described in the Annex. For this offer the focus is on work around the evaluation of the Severe Weather Forecast Demonstration Project (SWFDP) forecasts and products for the fellow's country and Region. Applications from countries hosting SWFDP activities are particularly sought.

If you wish to nominate a suitable candidate for this fellowship position you are required to: (i) complete the WMO Fellowship Nomination Form (FNF); (ii) as Permanent Representative, state how you expect to use the fellow upon their return from ECMWF; and (iii) the prospective fellow should provide a short statement addressing the duties expected to be undertaken during the fellowship, attach their curriculum vitae and provide evidence of their English proficiency. Applications are due on or before **30 April 2015** and it will not be possible to process late applications. The FNF and other criteria on WMO fellowships are available from: www.wmo.int/pages/prog/dra/etrp/GuidelinestoFellowshipApplications.php. The provisions made for this fellowship include a monthly subsistence allowance based on WMO stipend rate for the United Kingdom, a supplementary medical insurance to cover disability and death through the UN insurance scheme for fellows, international round-trip flight costs not covered by the beneficiary country and a small termination allowance in support of other travel expenses.

I would like to take this opportunity to thank you for the cooperation with WMO on fellowships and other issues relating to education and training.

Yours faithfully,

(E. Manaenkova)
for the Secretary-General

To: Permanent Representatives of Members of Regional Association V (PSW-448)
Permanent Representative of Viet Nam with WMO

WORLD METEOROLOGICAL ORGANIZATION

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ETR/FEL, ANNEX

A Guide to Selection of a WMO Fellow to work at ECMWF* on Evaluation of ECMWF forecasts in regions covered by the WMO Severe Weather Forecast Demonstration Project.

- **Location:** the fellow will be based at the ECMWF Shinfield Park, Reading RG2 9AX, United Kingdom.
- **Duration:** 8 to 12 months, depending on specific work schedule.

The Evaluation Section is responsible for monitoring and assessing the meteorological performance of the ECMWF operational forecasting system. Daily monitoring of the forecasts is combined with in-depth diagnosis to provide comprehensive understanding of strengths and weaknesses of the forecasting system. The work of the Section includes liaison with users to improve and broaden the use and understanding of ECMWF meteorological products, and the development of new products to meet the needs of the users.

ECMWF supports the WMO Severe Weather Forecast Demonstration Project (SWFDP), aimed at improving the availability and use of numerical weather prediction (NWP) products in developing countries. The WMO Fellow would participate in the evaluation of the ECMWF forecasts for one of the SWFDP regions.

Specific duties would be tailored to the technical strengths of the candidate but would be in one or more of the following areas:

- Assessment of the ECMWF forecasts in predicting high-impact weather events over an SWFDP region;
- Diagnostics of the model capability in representing relevant atmospheric phenomena;
- Verification of forecasts using local in situ observations;
- Comparison of strengths and weaknesses of different forecasts and tools available, including the use of ensembles and multiple models;
- Documentation of guidance to forecasters in the developing countries on the use of global NWP products;
- Development of prototype new forecast products to support the WMO SWFDPs, focusing on severe weather in the relevant region.

Qualifications

A university degree or equivalent in meteorology or a related subject is required, together with experience in the use of ECMWF forecast products in one of the WMO SWFDP regions. Expertise gained through active participation in the SWFDP at a regional centre responsible for interpreting information received from global centres and preparing guidance for national centres is essential. Knowledge of numerical weather prediction, experience of forecasting and use of ensembles, or experience of developing computer applications in a UNIX environment would be an advantage. Good command of the English language is also essential.

* *The European Centre for Medium-Range Weather Forecasts (ECMWF) is an intergovernmental organization supported by 34 Member States. ECMWF is both a research institute and a 24/7 operational service, producing and disseminating numerical weather predictions to its Member States. Its products are fully available to the National Meteorological Services in the Member States. The Centre also offers a catalogue of forecast data that can be purchased in compliance with its data policy. Established in 1975, ECMWF is one of the six members of the Coordinated Organizations which also include the North Atlantic Treaty Organization (NATO), the Council of Europe (CoE), the European Space Agency (ESA), the Organization for Economic Cooperation and Development (OECD), and the European Organization for the Exploitation of Meteorological Satellites (EUMETSAT).*