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| WORLD METEOROLOGICAL ORGANIZATION COMMISSION FOR BASIC SYSTEMS OPAGs on DPFS and PWS  **Severe Weather Forecasting Disaster Risk Reduction Demonstration Project**  **SWFDP – South Pacific Project**  **Meeting of the Regional Subproject**  **Management Team**  27-28 July 2018, Noumea, New Caledonia |  | DPFS-PWS/RAV-SWFDDP-RSMT/Doc. 3.2.1  (11.VII.2018)  \_\_\_\_\_\_\_  Agenda item : 3.2  ENGLISH ONLY |

**Summary of Met Office Support for SWFDDP RAV Subproject**

*(Submitted by Catherine Moore, Met Office)*

##### Summary and purpose of document

This document describes the contribution that the Met Office had/is planning to make in support of the SWFDDP RAV subproject.

##### Action Proposed

The meeting is invited to note the contents of the information contained in the document and to comment on how the proposed resources will help to support the stated aims of the subproject.

1. **Met Office input for SWFDDP-RAV**
   1. The Met Office has participated in the demonstration project as a global data provider (“global centre”) of deterministic products already available via the GTS.
   2. Products from the Global component of the Met Office Global Regional Ensemble Prediction System (MOGREPS-G) system are currently supplied in .jpeg format via FTP: EPS meteograms, precipitation and wind probability charts, 500hPa spaghetti charts and EPS TC products. A data license stipulates that the products are only to be used in support of the aims of the project. The Met Office implemented an upgrade to the MOGREPS-G ensemble with the 12UTC run on the 11 July 2017. The resolution of the ensemble forecasts increased from 33km to 20km, and the number of ensemble members increased from 24 to 36.
   3. The Met Office is willing to respond to user request for additional parameters from MOGREPS-G on a best endeavours basis.
   4. The Met Office is willing to contribute support (for example staff and facilitated e-learning resources and expertise) to the sub-project’s training activities, when possible.
   5. The Met Office encourages feedback on the progress made regarding any recommendations and actions agreed at the training workshops, so that the value of these initiatives can be estimated and so that the successes and progress made can be demonstrated more widely to stakeholders.
   6. The Met Office further encourages all participating members of the SWFDDP-RAV to proactively provide the following:

* Feedback (particularly strengths and weaknesses) on the performance of the participating centre’s models;
* Weather case-studies for the purposes of model verification and future training activities;
* Documented case-studies to include high-level testimonial evidence of the impact of the SWFDDP sub-project in terms of (i) increasing the forecast lead time of severe weather and; (ii) increasing the visibility/integration of the capabilities of the NMHS with government and the civil protection agencies. Such evidence is crucial if the project is to build sustainable capacity whilst also attracting future resource mobilisation opportunities.
  1. The Met Office contact for all SWFDDP RA-V issues is Steve Manktelow, VCP Projects Manager, [steve.manktelow@metoffice.gov.uk](mailto:steve.manktelow@metoffice.gov.uk)