**CREWS-Burkina Faso**

**Training Workshop on Numerical Weather Prediction (NWP) interpretation and Use in Forecasting of Severe and High Impact Weather**

**(Ouagadougou, Burkina Faso, 2-4 May 2019)**

**Provisional Agenda/Program**

|  |  |  |  |
| --- | --- | --- | --- |
| **Course** | **Day 1: Thursday (2 May 2019)** | **Day 2: Friday ( 3 May 2019)** | **Day 3: Saturday ( 4 May 2019)** |
| **09:00 – 10:30** | - Registration (**All**) (30 min)- Opening Ceremony – **ANAM & AH** (20 min)- Introduction of all participants – **All** (10 min)- CREWS-Burkina Faso – **ANAM** (15 min)- WMO SWFDP (**AH**) (15 min) | - ECMWF Extreme Forecast Index (EFI) & Shift of Tails (SOT): its interpretation & use with practical – **AB** (60 min) | - ECMWF ecchart tool including practical use of the tool to develop products and build dashboards for their specific needs - **SB** (90 min) |
| **10:30 – 11:00** | Tea/Coffee Break | Tea/Coffee Break | Tea/Coffee Break |
| **11:00 – 13:00** | - Global NWP models and their products for  West Africa – **SB** (60 min) - Accessibility of products through SWFDP- West Africa (inter. demo) – **SB** (60 min) | **Remote lecture through video conference**- NWP products from Meteo-France and its interpretation and usefulness for NMHSs in West Africa – **JC** (120 min) | - ECMWF ecchart tool including practical use of the tool to develop products and build dashboards for their specific needs - **SB** (120 min) |
| **13:00 – 14:00** | Lunch Break | Lunch Break | Lunch Break |
| **14:00 – 15:30** | - Ensemble forecasting: Interpretation & use of EPSgrams including practical – **AB** (90 min) | - Forecaster decision-making process blending deterministic and ensemble forecasts – **AB** (90 min)  | -Introduction to Forecast verification - How to calculate Probability of Detection (POD) & False Alarm Ratio (PAR) – **SB & AB** (90 min)  |
| **15:30 – 16:00** | Tea/Coffee Break | Tea/Coffee Break | Tea/Coffee Break |
| **16:00– 17:30** | - RSMC Dakar Regional Forecast Guidance  product for NMHSs in West Africa: its rationale, interpretation and use (including practical) – **SB** (90 min) | - Interpretation and use of nowcasting products e.g. RDT, CRR, lightning index etc. – **AB** (45 min)- Practical Session on Nowcasting and severe weather forecasting – **AB** **& SB** (45 min) | - How to do case studies to evaluate NWP  model/products performance - **AB** (60 min)- Wrap up & closing – **AH, ANAM & All** (30 min) |

**Resource Persons /Lecturers**

* SB – Sadibou Ba, RSMC Dakar
* AB – Anass Bouchaikh, DMN Morocco
* AH – Ata HUSSAIN, WMO Secretariat
* JC – Jean-Chistophe Vincendon - Meteo-France (MF)
* ANAM – Agence Nationale de la Météorologie (ANAM) - Burkina Faso