**WORKSHOP ON THE IMPLEMENATION OF NEW NUMERICAL WEATHER PREDICTION (NWP) AND IMPACT-BASED FORECAST AND WARNING TECHNIQUES**

**PROVISIONAL PROGRAMME**

*(Updated as of 28 July 2016)*

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| ***Tuesday, 6 September 2016 (Venue: Early Warning Center, DMH)*** | | | | |
| **Session 1 – DMH Vision for Forecasting and Warning SERvices** | | | | |
| 0900-0910 | Introduction and Welcome | | **DG DMH** |  |
| 0910-0930 | Introduction of participants | | All |  |
| 0930-1030 | DMH Vision for meteorological and hydrological forecasting and warning services | | DMH staff |  |
| 1030-1100 | **COFFEE/TEA BREAK** | | |  |
| 1100-1230 | **Discussion** – General discussion on all aspects of the DMH vision for forecasting and warning services;  Overview of sessions | | All |  |
| 1230-1330 | **LUNCH BREAK** | | |  |
| **Session 2a - REVIEW OF CURRENT PARTNER ACTIVITIES** | | | | |
| 1330-1500 | This session will provide an opportunity for current DMH partners to update the meeting with a summary of their current activities:  Observations; forecasting systems; training; etc. | Lead discussants: RIMES, JICA, ADPC, NMI | |  |
| 1500-1530 | **COFFEE/TEA BREAK** | | |  |
| **Session 2b - REVIEW OF CURRENT PARTNER ACTIVITIES** | | | | |
| 1530-1700 | This session will provide an opportunity for current DMH partners to update the meeting with a summary of their current activities:  Observations; forecasting systems; training; etc. | Lead discussants: RIMES, JICA, ADPC, NMI | |  |
| **END OF DAY 1** | | | | |
| **Day 2**  ***Wednesd , 7 September 2016 (Venue: Early Warning Center, DMH)*** | | | | |
| **Session 3 – REVIEW OF CURRENT PARTNER ACTIVITIES & NEW OPPORTUNITIES** | | | | |
| 0900-1030 | Continuation of discussion and highlights of new activities relevant to DMH meterological and hydrological forecast operations and services | | Lead discussants:  CMA/SMS, WMO |  |
| 1030-1100 | **COFFEE/TEA BREAK** | | |  |
| **Session 4 –NOWCASTING (0-24 HOURS)** | | | | |
| 1100-1230 | **Discussion on Nowcasting techniques and how these can be applied to meet DMH requirements** | | Hong Kong, China |  |
| 1230-1330 | **LUNCH BREAK** | | |  |
| **Session 5 –FORECASTING and DATA ASSIMILATION** | | | | |
| 1330-1500 | Advances in NWP and their application to DMH;  Data assimilation, pre-processing; post-processing;  visualization | | Lead Discussants:  CMA/SMS; JICA; NMI |  |
| 1500-1530 | **COFFEE/TEA BREAK** | | |  |
| **Session 6 –3-DAY FORECAST COORDINATION** | | | | |
| 1530-1700 | **Discussion on regional modelling**  Opportunities to access regional models; regional ensembles; improving cooperation among centres; and creating specific products for DMH | | Lead discussants:  CMA/SMS, IMD, RIMES, NCMWF |  |
| **END OF DAY 2** | | | | |
| **Day 3**  ***Thursday, 8 September 2016 (Venue: Early Warning Center, DMH)*** | | | | |
| **Session 7a – IMPACT-BASED FORECASTS** | | | | |
| 0900-1030 | **Discussion on flood and landslide forecasting**  This session will focus on flooding caused by convective rainfall events and landslides | Lead discussants:  WMO, BOM, USAID (TBD) | |  |
| 1030-1100 | **COFFEE / TEA BREAK** | | |  |
| **Session 7b – IMPACT-BASED FORECASTS** | | | | |
| 1100-1230 | **Discussion on coastal inundation** | | Lead discussant:  WMO |  |
| 1230-1330 | **LUNCH BREAK** | | |  |
| **Session 8 – IMPACT-BASED WARNINGS** | | | | |
| 1330-1500 | Implementing a colour-coded warning system for all primary hazards based on MeteoAlarm and existing decision support tools developed for DMH | | Lead discussants:  ZAMG, RIMES |  |
| 1500-1530 | **COFFEE/TEA BREAK** | | |  |
| **Session 9 – DISSEMINATION** | | | | |
| 1530-1700 | TV presentation system, including graphic package | | MetraWeather, New Zealand |  |
| **1700** | **END OF DAY 3** | | |  |
| **DAY 4**  ***Friday, 9 September 2016 (Venue: Early Warning Center, DMH)*** | | | | |
| **Session 10 – PRACTICAL SESSION AND DEMONSTRATION** | | | | |
| 0900-1030 | Demonstration/practical session focusing on discussed forecasting aspects of the workshop | | All |  |
| 1030-1100 | **COFFEE/TEA BREAK** | | |  |
| **Session 11 - IT REQUIREMENTS** | | | | |
| 1100-1230 | Based on the earlier sessions, provide guidance on the IT requirements to implement these activities (including all basic systems of observation, data processing and telecommunication) | | All |  |
| 1230-1330 | **LUNCH BREAK** | | |  |
| **Session 12- NEXT STEPS** | | | | |
| 1330-1500 | Discussion on the next steps that could be taken by partners to advance the forecasting agenda for DMH;  Identify commitments and gaps that need to be addressed | | All |  |
| 1500-1530 | **COFFEE/TEA BREAK** | | |  |
| **Session 13- NEXT STEPS (Continued)** | | | | |
| 1530-1700 | Discussion on the next steps that could be taken by partners to advance the forecasting agenda for DMH;  Identify commitments and gaps that need to be addressed  **Closure of the Worksop** | | All  **DG DMH** |  |
| **END OF DAY 4**  **END OF WORKSHOP** | | | | |