

# Regional Seminar on Radio Frequency matters for Asia-Pacific region

## DAY1

| Time                                                                                       | Session                                                                   | Speaker                                  |
|--------------------------------------------------------------------------------------------|---------------------------------------------------------------------------|------------------------------------------|
| 08:30-09:00                                                                                | <b>Registration</b>                                                       |                                          |
| 09:00-09:20                                                                                | Opening                                                                   | WMO SP, ITU                              |
| <b>Overview of WMO and ITU activities for meteorology and related environmental fields</b> |                                                                           |                                          |
| 09:20-09:40                                                                                | Overview of the WMO Integrated Global Observing System (WIGOS)            | Natalia Donoho (WMO)                     |
| 09:40-10:00                                                                                | WMO activities relevant to spectrum matters                               | David Franc (ET-RFC Chair)               |
| 10:00-10:30                                                                                | ITU-R activities relevant to meteorology and related environmental fields | Vadim Nozdrin (ITU)                      |
| <b>10:30-11:00</b>                                                                         | <b>Coffee break</b>                                                       |                                          |
| <b>Radio technologies of Earth observations</b>                                            |                                                                           |                                          |
| 11:00-11:30                                                                                | Passive sensing                                                           | Yan Soldo (ESA)                          |
| 11:30-12:00                                                                                | Active sensing                                                            | David Franc (NASA)                       |
| 12:00-12:30                                                                                | Impact of RFI on Numerical Weather Prediction and Climate Reanalysis      | Stephen English (ECMWF) <i>(online)</i>  |
| <b>12:30-14:00</b>                                                                         | <b>Lunch</b>                                                              |                                          |
| <b>Overview of MetSat systems and agency activities in the Asia-Pacific region</b>         |                                                                           |                                          |
| 14:00-14:45                                                                                | Overview of MetSat systems                                                | Markus Dreis (EUMETSAT)                  |
| 14:45-15:00                                                                                | China Meteorological Administration's activities                          | Yingchong LI (CMA)                       |
| 15:00-15:15                                                                                | India Meteorological Department's activities                              | Kuldeep Srivastava (IMD) <i>(online)</i> |
| 15:15-15:30                                                                                | Japan Meteorological Agency's activities                                  | Kazuki Yasui (JMA) <i>(online)</i>       |
| <b>15:30-16:00</b>                                                                         | <b>Coffee break</b>                                                       |                                          |
| 16:00-16:30                                                                                | JAXA Precipitation Measuring Missions                                     | Kinji Furukawa (JAXA) <i>(online)</i>    |
| 16:30-17:00                                                                                | The European Space Agency - Erath Observation Program                     | Yan Soldo (ESA)                          |
|                                                                                            |                                                                           |                                          |
| 17:00-17:30                                                                                | Outcomes of DAY 1                                                         |                                          |
|                                                                                            |                                                                           |                                          |
| <b>17:30</b>                                                                               | <b>End of Day 1</b>                                                       |                                          |

## DAY2

| Time                                                             | Session                                                                                                                                                                                                                                                                                                                                                                                            | Speaker                                                                 |
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| <b>Radio technologies of Earth observations (cont')</b>          |                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                         |
| 09:00-09:30                                                      | Radiosonde, lightning system, radiometer                                                                                                                                                                                                                                                                                                                                                           | Kirsty McBeath (MetOffice)                                              |
| 09:30-10:00                                                      | Space weather sensor                                                                                                                                                                                                                                                                                                                                                                               | Eric Allaix (Météo-France)                                              |
| 10:00-10:30                                                      | Weather radar, wind profiler, oceanographic radar                                                                                                                                                                                                                                                                                                                                                  | Eric Allaix (Météo-France),<br>Kirsty McBeath (MetOffice)               |
| <b>10:30-11:00</b>                                               | <b>Coffee break</b>                                                                                                                                                                                                                                                                                                                                                                                |                                                                         |
| <b>World Radiocommunication Conference's activities</b>          |                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                         |
| 11:00-11:30                                                      | Results of WRC-23                                                                                                                                                                                                                                                                                                                                                                                  | Eric Allaix (Météo-France)                                              |
| 11:30-12:00                                                      | ITU-R preparation for WRC-27                                                                                                                                                                                                                                                                                                                                                                       | Markus Dreis (SG7 Chair)                                                |
| 12:00-12:30                                                      | WMO preparation for WRC-27                                                                                                                                                                                                                                                                                                                                                                         | David Franc (ET-RFC Chair)                                              |
| <b>12:30-13:30</b>                                               | <b>Lunch</b>                                                                                                                                                                                                                                                                                                                                                                                       |                                                                         |
| <b>Societal economic value of radio spectrum for meteorology</b> |                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                         |
| 13:30-14:00                                                      | From radio spectrum to socio-economic benefits                                                                                                                                                                                                                                                                                                                                                     | Prof. Al Gasiewski (University of Colorado, USA) ( <i>online</i> )      |
| 14:00-14:30                                                      | Title (TBC)                                                                                                                                                                                                                                                                                                                                                                                        | Matteo Emanuelli, Airbus ( <i>online</i> )                              |
| 14:30-15:00                                                      | WMO socio-economic benefit analysis                                                                                                                                                                                                                                                                                                                                                                | Victoria Alexeeva (WMO) ( <i>online</i> )                               |
| 15:00-15:30                                                      | ESSEO related activities                                                                                                                                                                                                                                                                                                                                                                           | Yan Soldo (ESA)                                                         |
| <b>15:30-16:00</b>                                               | <b>Coffee break</b>                                                                                                                                                                                                                                                                                                                                                                                |                                                                         |
| <b>Round table and conclusions</b>                               |                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                         |
| 16:00-16:15                                                      | ITU-R activities and how WMO Members can engage                                                                                                                                                                                                                                                                                                                                                    | Alec Casey (ECCC),<br>Kirsty McBeath (MetOffice),<br>ET-RFC Vice-Chairs |
| 16:15-16:30                                                      | APT activities and how WMO Members can engage                                                                                                                                                                                                                                                                                                                                                      | Wanchalearm (Tong)<br>Petsuwan (TMD)                                    |
| 16:30-17:30                                                      | This session offers attendees a chance to reflect on key points discussed during the workshop and identify actionable takeaways. Topics for discussion include: <ul style="list-style-type: none"> <li>• Sharing experiences related to engagement between NMHS &amp; NRA</li> <li>• Discussing approaches for presenting WMO positions on specific agenda items to national regulators</li> </ul> |                                                                         |
| <b>17:30</b>                                                     | <b>Closing</b>                                                                                                                                                                                                                                                                                                                                                                                     |                                                                         |