**WMO RA VI-led event on Artificial Intelligence**

**to support EW4All**

**27 May 2023, 14.00-17.15 CEST**

**CICG, Geneva, Switzerland**

**ZOOM connection link-** <https://wmo-int.zoom.us/j/84292832407?pwd=MUJaVmVoQldxWkN6bmFVWDFCUTBLQT09>

**Meeting ID:** 842 9283 2407

**Passcode**: 400436

**Draft Agenda**

| **Time** | **Item Title** | **Speaker** |
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| **14:00-14:05** | **Session 1 - Opening**  Moderator **-** Dr Roar Skålin, PR of Norway | |
| **14.05-14.35** | **Session 2 - Setting the scene** | |
| **14:05-14:20** | Overview of WMO activities on AI - WMO Secretary-General, Prof. Petteri Taalas | |
| **14:20-14:35** | Overview of AI Focus Group and MEDEWSA project | Dr. Elena Xoplaki, head climatology, climate dynamics and climate change group at the Justus Liebig University, Vice Chair of the ITU/WMO/UNEP Focus Group on AI and Natural Disaster Management as well as MEDEWSa partner |
| **14:35-17.25** | **Session 3 - The views from the European Meteorological Infrastructure, NMHSs and private sector representatives - Case studies**  Time for Q&A will be used for a few questions after each speaker | |
| **14:35 - 14:55** | Machine learning at ECMWF | Florence RABIER, Director-General, ECMWF |
| **15:55 - 15:10** | Will AI and machine learning magnify satellite data? | Paolo Ruti, Chief Scientist, EUMETSAT |
| **15:10 - 15:25** | Recent advances in AI at Météo-France | Marc Pontaud, Director of Research, Météo-France |
| **15:25 - 15:30** | Q&A |  |
| **15:30 - 15:40** | **Break** |  |
| **15:40 - 15:55** | Pangu-Weather: Accurate Medium-range Global Weather Forecasting with 3D Deep Neural Networks | Lingxi Xie, Senior Researcher, Huawei Inc. (online) |
| **15:55 - 16:10** | GraphCast: Learning skillful medium-range weather forecasting | Remi Lam, Senior Research Scientist, Google DeepMind |
| **16:10 - 16:25** | Preparing organisations for the era of AI | Dr Linda Sheard, Senior Cloud Solution Architect for Geospatial Data & AI at Microsoft |
| **16:25 - 16:40** | Applying Machine Learning at the Met Office | Prof. Penny Endersby, PR of UK with WMO, Director of the UK Met Office |
| **16:40 - 16:55** | NVIDIA Earth-2: Digital twins for weather and climate | Karthik Kashinath, Principal Scientist and Engineer Engineering Lead, Earth-2 Initiative, NVIDIA (online) |
| **16:55 - 17:10** | **Q&A** | |
| **17.10** | **Session 4** | |
| **Concluding Remarks** | WMO Regional Association VI President |