

Agenda 4

Overall coordination mechanism between WMCs and WMCs/RSMCs to support Members



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World Meteorological Organization
Organisation météorologique mondiale

Q5. Is there a good example of coordination mechanism

- Social media and/or messaging platforms, backed up by diplomatic visits and joint projects (ICAO exchanging various data)
- exchanging various data (NAEFS)
- Real-time exchange mechanism (CMA-RSMC Tokyo)
- Bilateral win-win cooperation (CMA-ECMWF,NCEP...)
- Formal cooperation agreements (ECMWF-INPA,NOAA...)
- Huge number of less formal links, particularly in terms of research (ECMWF)
- COSMO Consortium, Holding annual use seminar to offer a platform (DWD)

Q5. Is there a good example of coordination mechanism (Cont.)

- ❑ combining functions of WMC with additional RSMC and NMC functions within the same forecasting center (Moscow)
- ❑ Joint RSMC operation with Meteo-France (UKMO)
- ❑ Effective training and mentoring in East African SWFDP (UKMO - Kenya and Tanzania)
- ❑ RSMC-ERA Web-base tools (NCEP)
- ❑ TT-GISC (OPAG-ISS)
- ❑ Multilateral operational coordination and technical exchange mechanism
- ❑ Process to provide 24/7 services

Key Questions

- ❑ 4.1 Leverage pre-existing coordination mechanism, requirement for efficient coordination mechanism
 - How can we leverage pre-existing coordination mechanism, programmes, for example Africa Hydromet, RIMES and others?
 - How can we attract strong interest from donor and stakeholders, in particular private sectors, to participate in coordination mechanism to support their development programs?
- ❑ 4.2 Design of coordination mechanism and roles of each players
 - What attributes are necessary for efficient coordination mechanism between WMCs and WMCs/RSMCs in serving Members and partners?
 - What will it take to design and implement a coordination mechanism that helps respond to Members and Partners need in an efficient way?
- ❑ 4.3 Expected outcomes
 - Skeleton of coordination mechanism

Some idea for coordination mechanism

- ❑ National Focal point on GDPFS
- ❑ Coordination Team for each type of Centres
 - WMC Coordination Team
 - Coordination Team for RSMC for global deterministic NWP
- ❑ Communication methods
 - Email, Social media and/or messaging platforms, video conference, face-to-face meeting...
- ❑ Need to take into account *WMO Reform*
 - *Two Technical Commissions*
 - *Standing Committees*
 - *Study Group*

SUMMARY BASED ON GROUP DISCUSSION

Comment from Co-chair of OPAG-DPFS, Paul Davies

- ❑ starting with understanding what model data types our members need in order to deliver services of a “certain quality” to their governments and citizens.
 - We would start with existing lists; e.g. the Essential data defined in Annexes to Res 40, 25, 60 – and modify these to produce a minimum viable product (MVP). We may wish to define a wish list, but this isn’t essential; we don’t start anew. We should agree the data format, grid type / length, vertical resolution, forecast lead times / intervals, model configuration, latency and parameters.
- ❑ then work from there to determine the infrastructure and quality requirements (evaluation / verification performance methodologies and matrices agreed by all WMC’s). This needs to be enforced and audited;
 - we may wish to focus on trying to drive consistent interfaces/contracts for data publication from each WMC. We may wish to support cloud adoption to help improve service delivery to citizens and government
- ❑ and finally, define and share WMC’s continuous improvement / product lifecycle plans. These plans should include future model upgrade plans and potential benefits to users

Summary

coordination mechanism between WMCs and WMCs/RSMCs

- ❑ Build sustainable operational coordination mechanism / Strengthen communication between WMCs and WMCs/RSMCs
 - to develop catalogues of products and services necessary - to share on-going activities
 - to make sure that types of products are consistent for interoperability reasons.
 - to enhance/develop quality assurance process of products and services
 - to produce multi-model products - TIGGE

Summary

coordination mechanism between WMCs and WMCs/RSMCs (cont.)

- ❑ Build sustainable operational coordination mechanism / Strengthen communication between WMCs and WMCs/RSMCs
 - to enhance existing cooperation on the following areas: Numerical models, Post-processing., Observations.
 - to develop 2 way process to obtain feedback and needs from nations and regions – SWFDP, WMC/RSMC
 - to develop pilot projects that contributes to improving the coordination / development of the ecosystem of WMCs/RSMCs and to contribute to sustainability

Summary: other coordination mech. attract strong interest from donor and stakeholders

- ❑ Other possible tasks to be addressed are:
 - Establishment of a framework (consortium/forum) with private sectors to understand their plan and needs – remaining within the policy on partnership
 - To develop material to explain selling points to Donors our capabilities (docs, video etc). For example in relation to DRR events
 - To highlight our successes in supporting LDCs/SIDS (SWFDP, CIFDP, FFGS, etc)
 - Working with users and stakeholders to create dependencies, to develop plan from development to operations, considering sustainability – more Co-design
 - To strengthen existing links between NMHSs and disaster management centres - SWFDP

Agenda IV. Overall coordination mechanism between WMCs and WMCs/RSMCs to support Members

- ❑ Skeleton of coordination mechanism (Decision 40 (EC-70)).)
 - Efficient coordination mechanism (i.e., facilitators + e-platform, chairmanship among WMC ..)
 - Clarity on RSMCs/(SWFDP, hydrology, marine) having a global perspective, are they regional or global?
 - More coordination role of RSMCs/SWFDP from RA towards a model with WMC interacting with 6 RAs
 - Research-System: strengthen partnership with WGNE

- ❑ Identification of future roles of WMCs and the best practices to implement the roles (from Agenda III related to CBR)
 - Seamless services mean having more coordination across weather (RMSC) and climate (RCC) → also here RA could have a strong role

Thank you Merci



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Summary

leverage existing coordination mechanism

- ❑ Sharing experience of each others : Catalogues of products and services necessary
- ❑ Strengthen communication between centres
 - Optimize WMCs and RMSCs collaboration
 - Need WMC coordination focal points
- ❑ WGNE for research – operations
- ❑ Enhance existing cooperation between WMCs on the following areas: Numerical models, Post-processing., Observations..
- ❑ SWFDPs:
 - In geographical areas – defines scope and helps find deliverables - Part of the cascading process
 - Different levels of success
 - Challenge of developing the regional service perspective: open from national to regional perspective, 2 way process to make sure national needs are seen at regional
 - Request from Met services part of cascading processes
- ❑ TIGGE. Good example of cooperation between NWP Centres that can be used as best practice for collaboration between WMCs

Summary

attract strong interest from donor and stakeholders

- ❑ Establishment of a framework (consortium/forum) with private sectors to understand their plan and needs – remaining within the policy on partnership
- ❑ Develop material to explain selling points to Donors our capabilities (docs, video etc). For example in relation to DRR events
- ❑ Highlight our successes in supporting LDCs/SIDS (SWFDP, CIFDP, FFGS, etc)
- ❑ Working with users and stakeholders to create dependencies, to develop plan from development to operations. – more Co-design

Summary

Design of coordination mechanism and roles of each players

- ❑ Build sustainable operational coordination mechanism / Strengthen communication between WMCs and WMCs/RSMCs
 - to produce multi-model products.
 - to make sure that types of products are consistent for interoperability reasons.
 - to share on-going activities of WMCs/RSMCs (using e-Platform, forum, mailing list)
- ❑ Specific objectives and projects can generate collaboration.
- ❑ Strengthen existing links between NMHSs and disaster management centres
- ❑ Develop pilot projects that contributes to improving the coordination / development of the ecosystem of WMCs/RSMCs and to contribute to sustainability
- ❑ Do projects consider sustainability during the design phase.

Summary

Skelton of the coordination mechanism

- ❑ WMC workshop every two years to discuss
- ❑ Establishment of coordination team
 - Identification of focal points of WMCs
 - Develop TORs – Can use an example of ToR for GISC
 - Annual rotation of chair among WMCs
- ❑ Linkage with WGNE
- ❑ Step-by-step approach