Introduction to the WMO Regional Climate Centers (RCCs)

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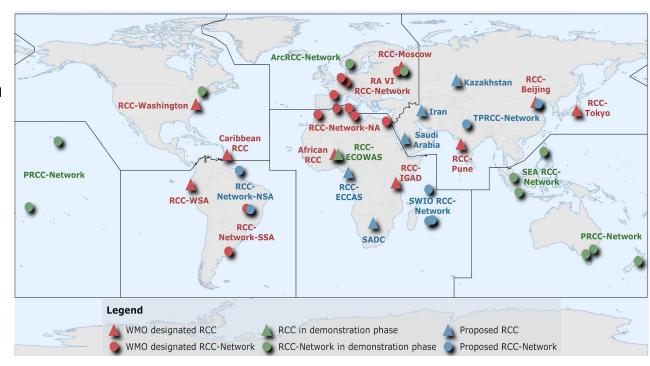
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11 session of Arctic Climate Forum Hosted by Sweden

WMO Regional Climate Centres - Concept

- Centres of Excellence mandated to generate high-quality regional-scale products
- Key entities within the Climate Services Information System (CSIS)
- Strengthen capacity of WMO Members in the delivery of improved climate services to national users
- Facilitating access to and application of regional climate products
- Serve primarily the NMHSs within the RCC's region, as a backbone for the development and maintenance of NMHSs' climate services
- Can serve other WMO RCCs and NMHSs from areas outside an RCC's region of interest
- Regional cooperation and prioritization for capacity development



12 Designated WMO RCCs and RCC-Networks 4 RCCs and RCC-Networks in demonstration phase



WMO Regional Climate Centres – Definition

- WMO-RCC: A multifunctional centre that fulfils all the required functions of an RCC for the entire region, or for a sub-region to be defined by the regional association
- WMO RCC-Networks: A group of centres performing climate-related activities that collectively fulfil all the required functions of an RCC
- WMO RCC-Network Node: a centre in a designated WMO RCC-Network that performs, for the region or sub-region defined by the regional association, one or several of the mandatory RCC activities
- The concerned Regional Association endorses a proposed RCC structure (implementation plan) to start the demonstration phase



WMO Regional Climate Centres – Functions

Mandatory Functions: Minimum set of functions performed by RCC to be officially designated as a WMO RCC, or a WMO RCC-Network

- Operational Long-Range Forecasts
- Operational Climate Monitoring
- Operational Data Services
- Training

Once this is complied with, each RCC can prioritize its functions and additional activities based on the specific needs of the region, and even give them more importance than the mandatory functions (e.g., surface air temperature over the Antarctic).

Highly Recommended Functions

- Prediction & Projection
- Non-operational Data Services



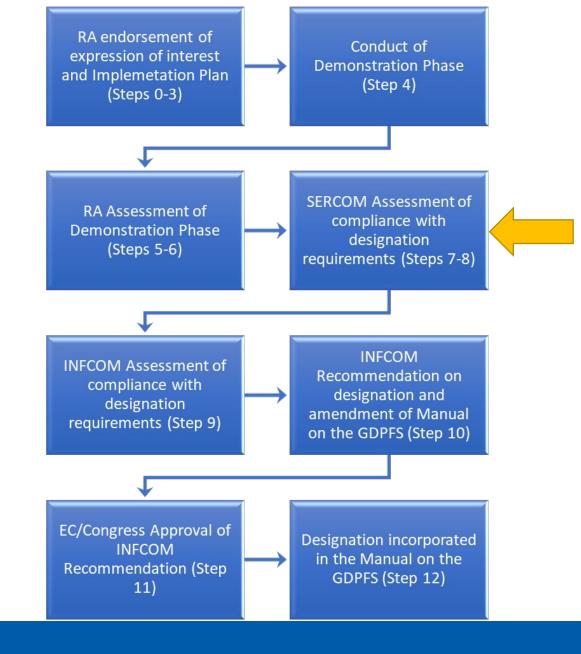
Key milestones in the journey of RCC establishment and role of WMO Technical Commissions

SERCOM/SC-CLI/ET-CSISO

- Guidance on establishment and operation of RCCs
 - · Final version under publication
- Assessment of RCC operations and recommendations for designation/evaluation matters working closely with INFCOM/SC-ESMP
 - Implementation of an annual reporting process for RCCs
 - Analysis of annual reports and evaluation reports for each of the designated RCCs and RCCs formally in demonstration phase
 - Assessment of RCC designation proposals and recommendations
 - Review and update of RCC functions (both mandatory and highly recommended), designation criteria/processes

INFCOM/SC-ESMP/ET-OCPS

- Evaluate applications against the designation criteria in the GDPFS Manual and make recommendations to designate new centres to INFCOM
- Liaise with SERCOM to incorporate evolving needs of CSIS into the operational infrastructure





Step-by-step ArcRCC-N designation process 1/2

Step 5

End of the ArcRCC-N demonstration phase

ArcRCC-N submitted a status report to P/RAII, P/RAIv and P/RAIV for an assessment of the compliance with the mandatory functions of a WMO RCC. P/RAs conducted a review of the report on the demonstration phase in consultation with the appropriate coordination/working group of the RA dealing with climate related matters.

Step 6

Successful conduct of demo phase of the ArcRCC-N

Based on the positive assessment of the mandated coordination/working group of the RAII,RAIV and RAVI P/RAs contacted the SG with a request to facilitate formal designation of the ArcRCC-N as WMO RCC-Network, providing relevant documentation

Step 7

WMO SG to arrange appropriate consultation

SG arranged consultations with P/SERCOM.
Assessment whether the ArcRCC-N satisfies the compliance with the designation criteria was in consultation with ET-CSISCO

Step 8

SG will forward request to P/INFCOM

When advised by P/SERCOM on satisfactory compliance with the designation criteria, SG will forward the request for formal designation to P/INFCOM for further action with copy to P/SERCOM and P/RA

Step 9

INFCOM will review the submission

INFCOM, through its relevant bodies, will review the submission and will discuss any concern with the concerned RA and P/SERCOM through WMO Secretariat





Step-by-step ArcRCC-N designation process 2/2

Step 10

The ArcRCC-N may be invited by INFCOM to its session (optional)

When appropriate and if required, the ArcRCC-N may be invited by INFCOM to present the proposal for RCC designation at one of its sessions for its decision. This process may also be expedited through the INFCOM Management Group

Step 11

Amendment to the Manual on the GDPFS

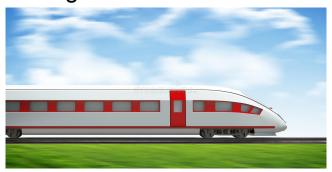
Upon the recommendation of the INFCOM, the proposed designation in the form of an amendment to the Manual on the GDPFS will be put up to the Congress or the Executive Council (EC) for approval

Step 12

Final WMO approval

With this final WMO approval, the Manual on the GDPFS will be revised and the RA and the ArcRCC-N will be advised by the Secretariat in writing on their formal designation as a WMO RCC-Network

Designated WMO ArcRCC-N





Thank you



