

USER NEEDS/ EVOLUTION OF REGIONAL DATA DISSEMINATION REQUIREMENTS

by WMO

Presented to CGMS-41 plenary session, agenda item [E.2]

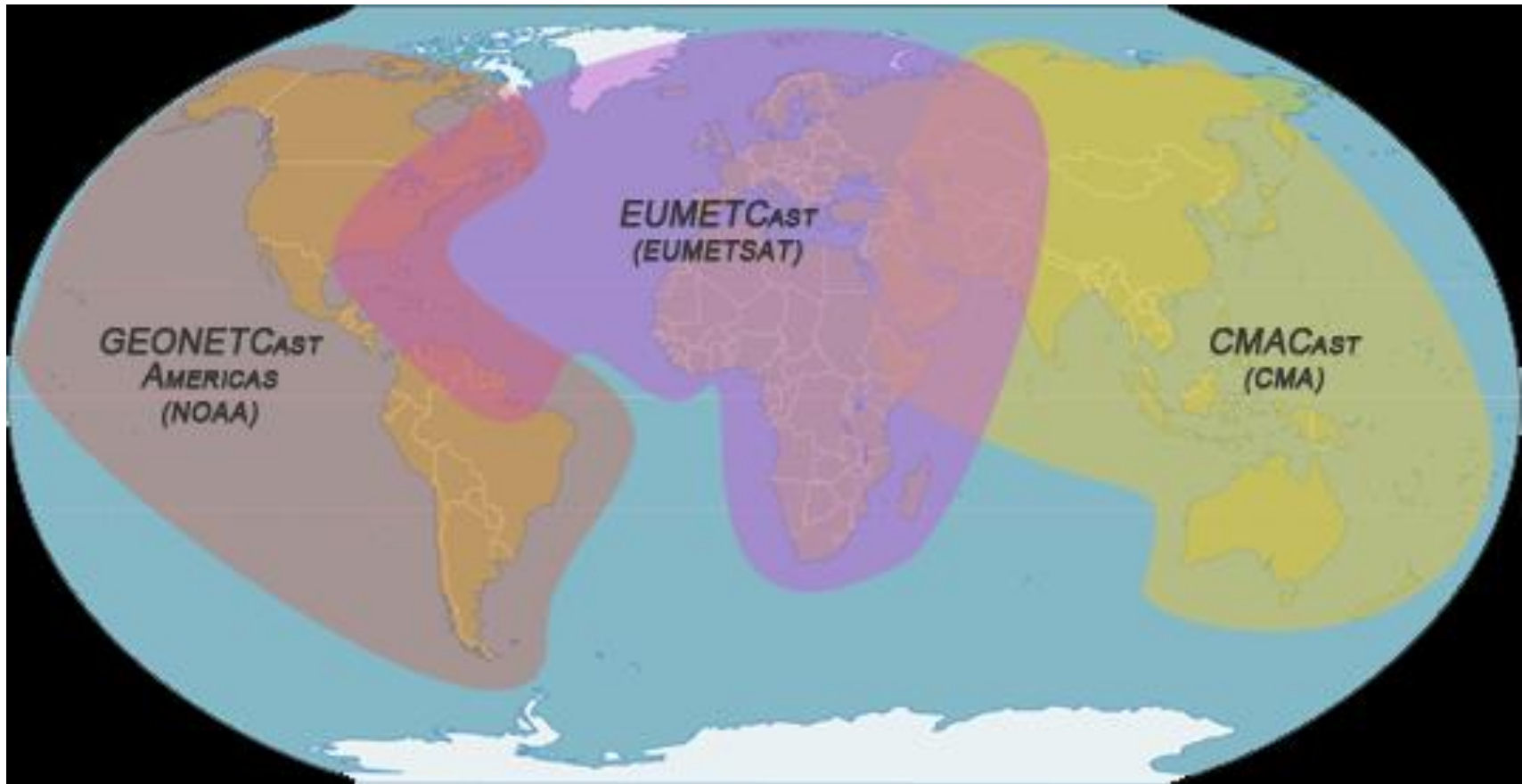
Introduction

- Talk outline
 - Key issues and needs
 - Actions and WMO mandate
 - Existing mechanisms
 - Benefits
 - Next steps

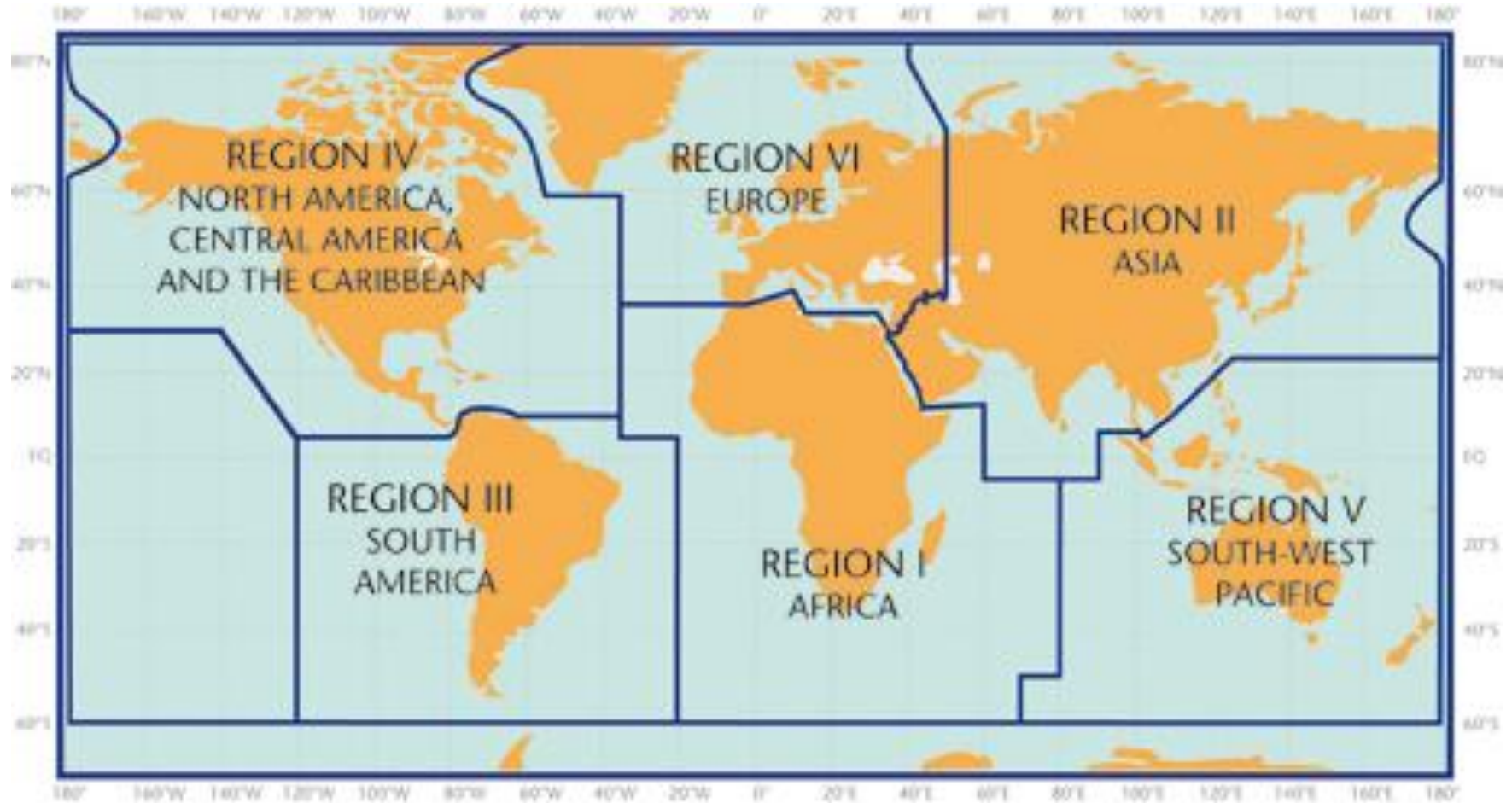


Key Challenges and Issues

- There are significant challenges in access to satellite data over the next 5-10 years:
 - dramatic increase in data volume
 - increasing complexity of data and products
 - regional diversity of user needs
 - regional diversity of user capabilities
 - proliferation of dissemination mechanisms



Regional Associations



<http://www.wmo.int/pages/governance/ra/>

**Coordination Group for
Meteorological Satellites**

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here (in the slide master)



CGMS

WMO Position

- 65th WMO Executive Council, May 2013
 - Endorsed the establishment of Region-based mechanisms to document and maintain requirements for data access and exchange
 - with participation by users and satellite providers.
- ET-SUP-7, May 2013
 - Validated the Terms of Reference for Region-based mechanisms
 - Reviewed the activities of Regional groups

Snapshot of Activities

RA I Dissemination Expert Group (RAIDEG)

- 1st meeting: Ouagadougou, Burkina Faso (26 September 2010)
- 2nd meeting: Darmstadt, Germany (28-30 June 2011)
- 3rd meeting: Addis Ababa, Ethiopia (30 September 2012)
- 4th meeting: Geneva, Switzerland (11-12 June 2013)

Key outcomes

- review of the EUMETCast-Africa Dissemination Baseline compared with the needs expressed by RA I users
- formulated recommendations to EUMETSAT

Snapshot of Activities

RA-II Pilot Project

Third and Fourth-Phase Accomplishments (Sep. 2011 to now)

- Second Meeting of the Coordinating Group (8 October 2011)

Key outcomes

- Quarterly newsletters for RA II Members
- Establishment of RA II Pilot Project webpage on the WMO Space Programme website
- Conducting RA II Pilot Project questionnaire on the web to understand the needs of satellite data users in RA II
- Operating on-site “Training Program” of satellite data processing, utilization and application as part of VLab

Snapshot of Activities

RA-III/RA-IV - Satellite Data Requirements Task Team

- February 2010 - WMO Workshop on Satellite Data Requirements for RA III and RA IV held at INPE facilities
- March 2011- update of the RA-III Satellite Data Requirements Table
- April 2011 - progress meeting of the Satellite Data Requirements Task Team held in Miami

Key outcomes

- Focus on GeoNetCast as dissemination mechanism
- Agreement on a regional requirements table

Snapshot of Activities

RA-V Task Team – Satellite User Requirements

- meeting of some members during the NOAA Satellite Conference in April 2013.
- CGMS has provided a point of contact with satellite operators (NOAA, JMA, CMA, KMA, EUMETSAT)
- Were tasked with documenting satellite user requirements by the 8th RA-V Management Group Meeting (June 2012)
- The team aims to have a draft table of priority requirements ready for final review in a side meeting at the 4th Asia Oceania Meteorological Satellite Users Conference

Recommendations from ET-SUP-7

Regional Satellite Data Requirements Groups should, at least initially, focus on access and exchange of:

- satellite data, or
- any data disseminated via satellite-based (DVB-type) services.

As appropriate, the Groups should also work on a Region-based data dissemination plan, with cost/resource-sharing options to ensure sustainability of service.

- strategy and planning
- building pro-active user communities

Recommendations from ET-SUP-7 (cont.)

Regional mechanisms should be strengthened by collocating, where possible:

- i. Region-based satellite user conferences;
- ii. regional training events covering;
 - a. current and upcoming satellite systems,
 - b. enabling users to utilize data from these systems,
 - c. practical information on data access, visualization and analysis tools; and
 - d. meetings of Regional Satellite Data Requirements Groups.

Key issues of relevance to CGMS (cont):

Regional Requirements gathering exercises have identified a number of key issues:

1. Users in areas of overlapping coverage report that to obtain the data they need, it is necessary to install two reception systems
2. There are issues with regard to the long term sustainability of the GeoNetCast-Americas service
3. A large part of Region V in the Pacific Ocean is still not well served by a GeoNetCast service. With poor internet connectivity, this Region could greatly benefit from such a service.

Key issues of relevance to CGMS:

- WMO Regional Associations align well with the footprints of GeoNetCast services globally
- Regional Requirements gathering activities provide a useful mechanism for linking operators with users and maximising the delivered value of services
- WMO has insufficient resources to fully support such events, therefore satellite providers should also consider providing additional resources.

To be considered by CGMS:

Actions/Recommendation proposed:

- CGMS members to report on their support to Region-based groups maintaining satellite data access and exchange requirements.
- Creation of a new standing Agenda Item for Working Group IV – "Response to Region-based Requirements for satellite data access and exchange".