



World Meteorological Organization

Weather • Climate • Water

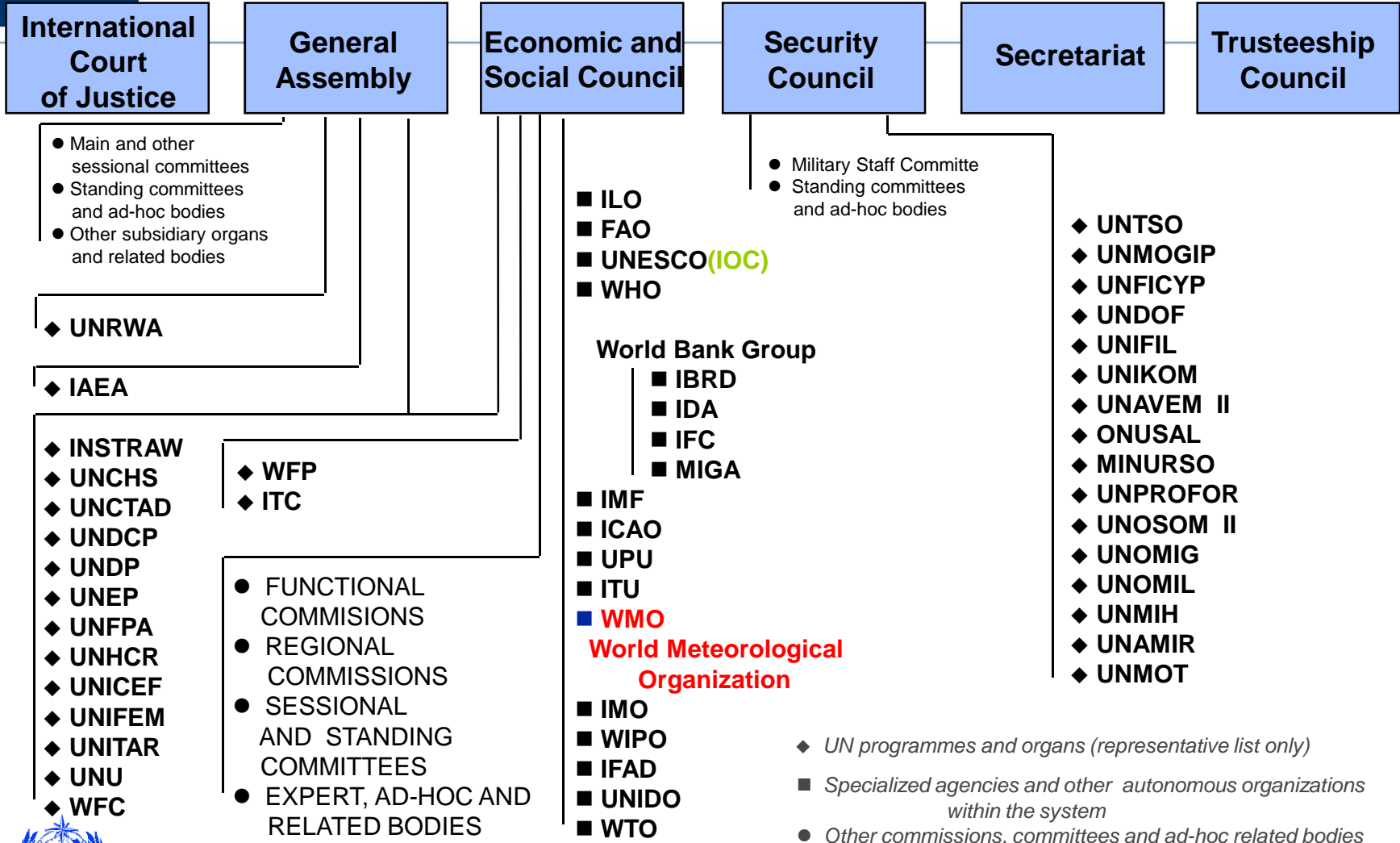
WMO Space Programme: a bridging role between satellite operators and users

CGMS-43, Item D.1

W. Zhang, J. Lafeuille, S. Bojinski
World Meteorological Organization (WMO)



WMO in The United Nations System

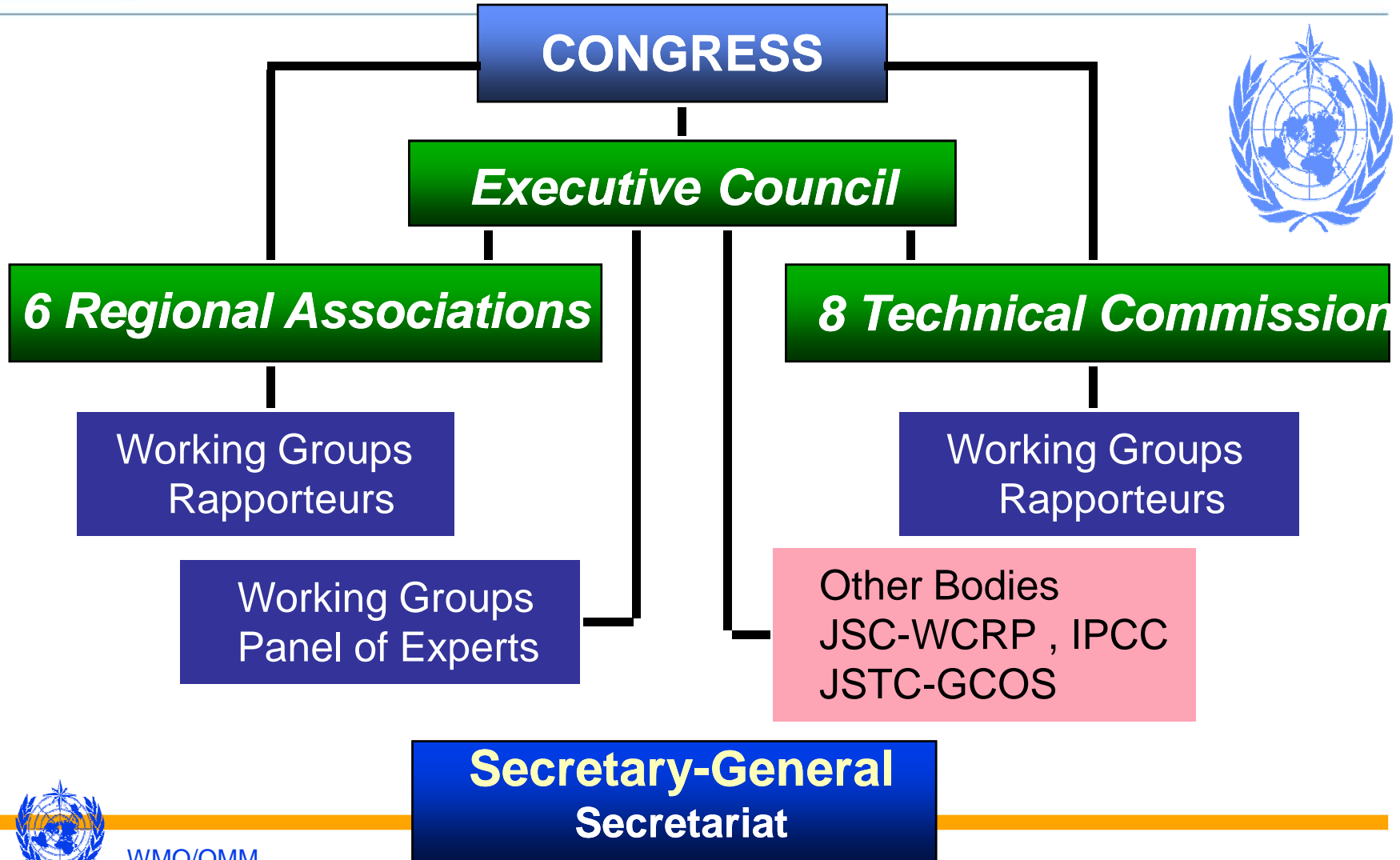


- ◆ UN programmes and organs (representative list only)
- Specialized agencies and other autonomous organizations within the system
- Other commissions, committees and ad-hoc related bodies



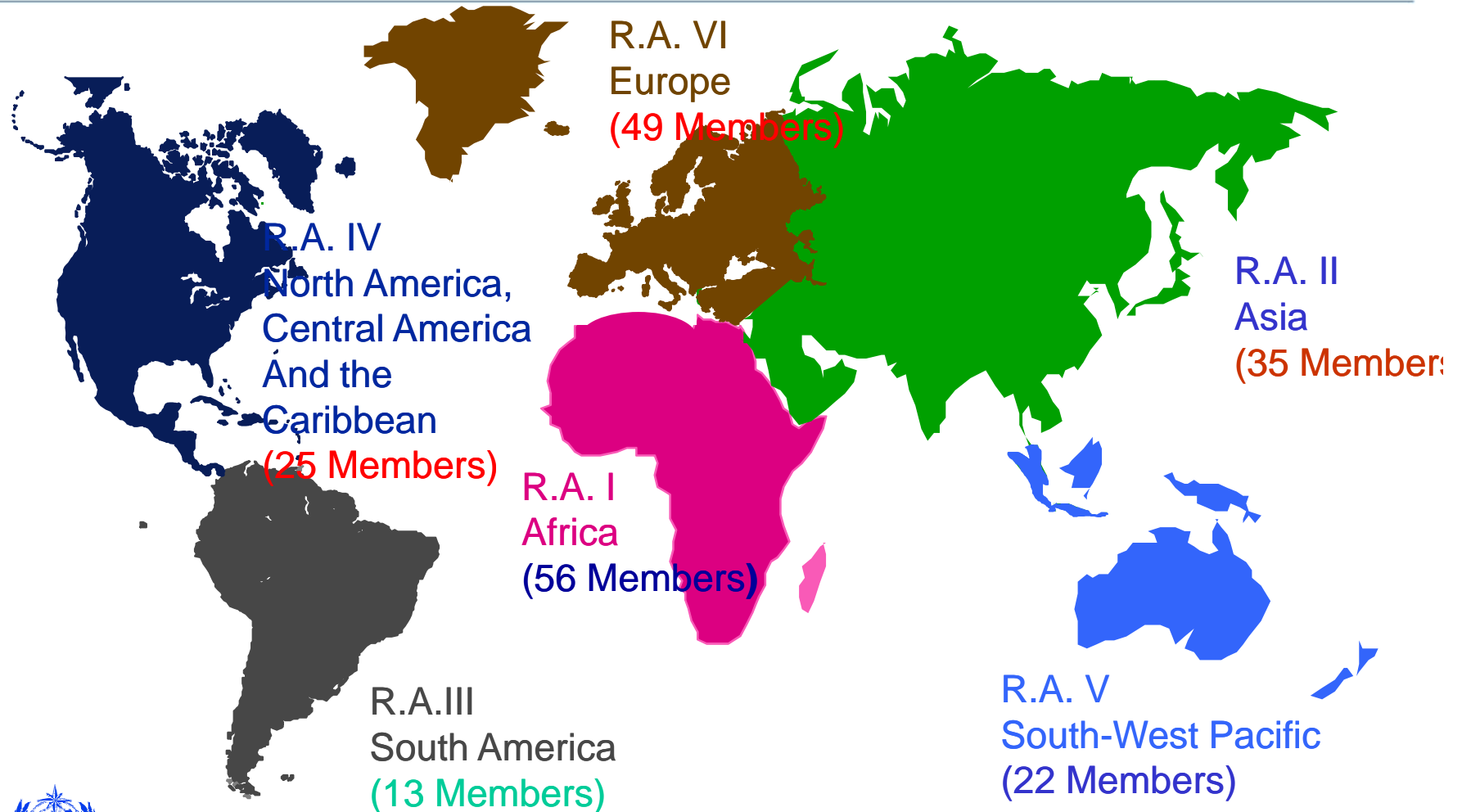


Organizational Structure of WMO (*191 Member*)





WMO Regional Associations





WMO Programmes

World Weather Watch Programme

WMO Space Programme

Natural Disaster Prevention and Mitigation Programme

*World
Climate
Programme*

*Atmospheric
Research
and
Environment
Programme*

*Applications
of
Meteorology
Programme*

*Hydrology
and
Water
Resources
Programme*

Education and Training Programme
Technical Cooperation Programme
Regional Programme





WMO Technical Commissions

Basic Commissions

- Commission for Basic Systems (**CBS**)
- Commission for Instruments and Methods of Observations (**CIMO**)
- Commission for Hydrology (**CHy**)
- Commission for Atmospheric Sciences (**CAS**)

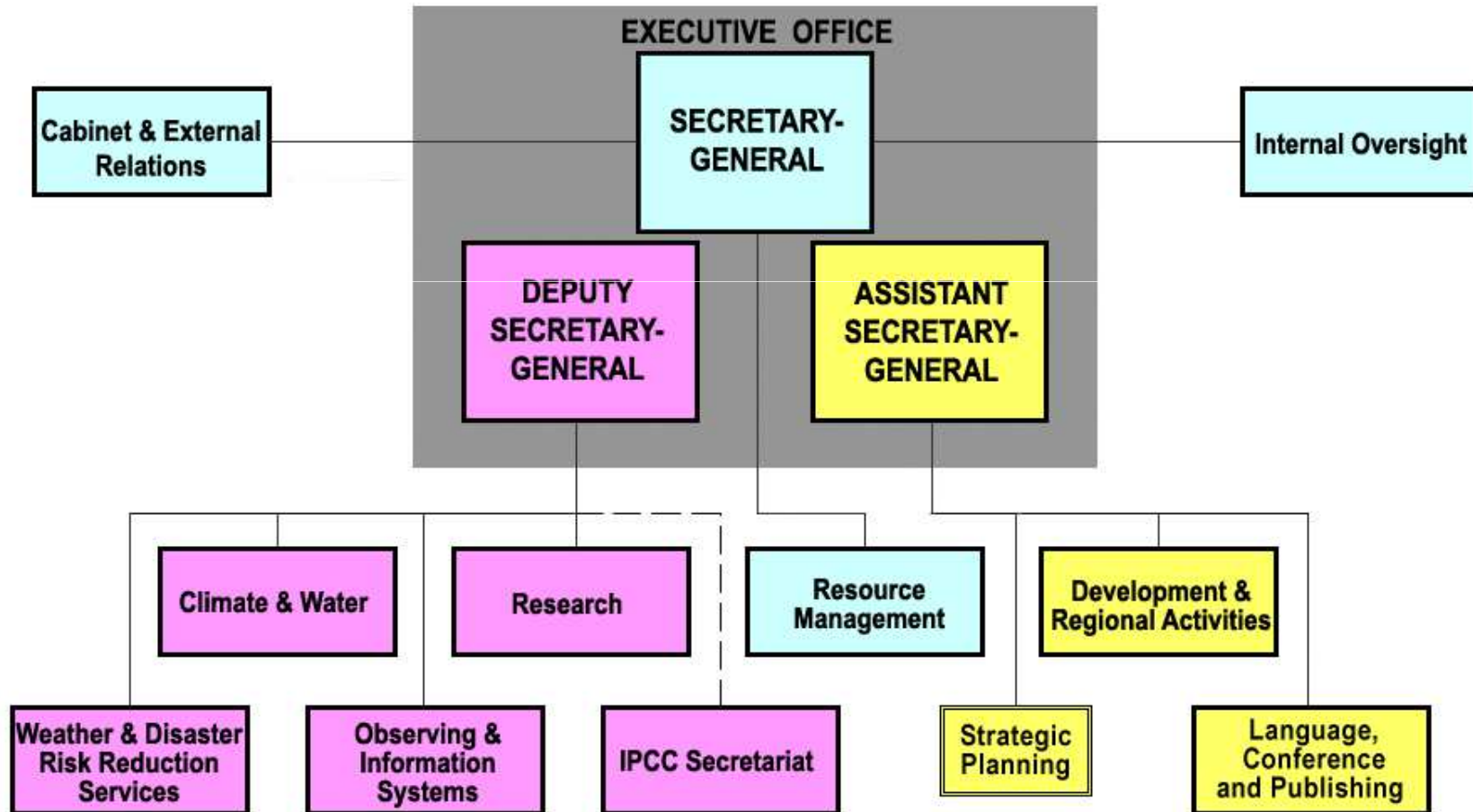
Applications Commissions

- Commission for Aeronautical Meteorology (**CAeM**)
- Commission for Agricultural Meteorology (**CAgM**)
- Joint WMO/IOC technical Commission for Oceanography and Marine Meteorology (**JCOMM**)
- Commission for Climatology (**CCI**)





WMO organigram during the 16th Financial Period

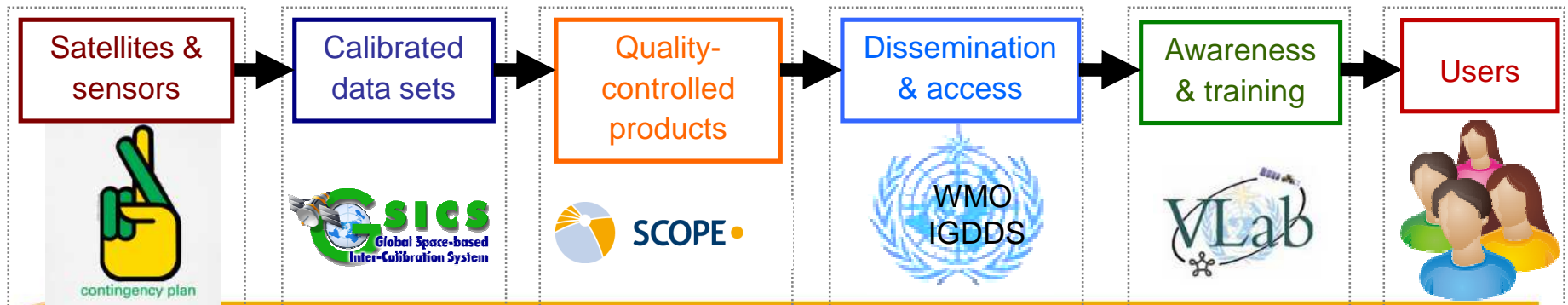


WMO Congress-16 defined the WMOSP

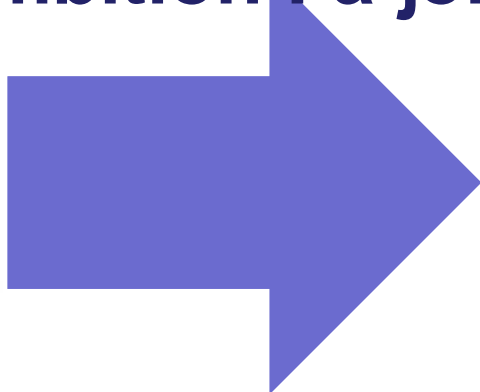
- High-level goal to promote wide availability and utilization of satellite data & products for weather, water, climate and related applications of WMO Members
- Four main components :
 - Develop an integrated observing system
 - Data & product accessibility, interoperability and quality
 - User information and training
 - Space weather coordination
- Partnership
 - With space agencies, CGMS and CEOS
 - With international science groups
 - With other relevant international bodies



Value Chain for WMO Space Programme



Our ambition : a joint undertaking



For satellite operators

to contribute to the global picture in a cost-effective way, to meet their goals to serve users

Provide a framework for dialogue, develop a shared vision, foster interoperability, share best practices & resources



For users

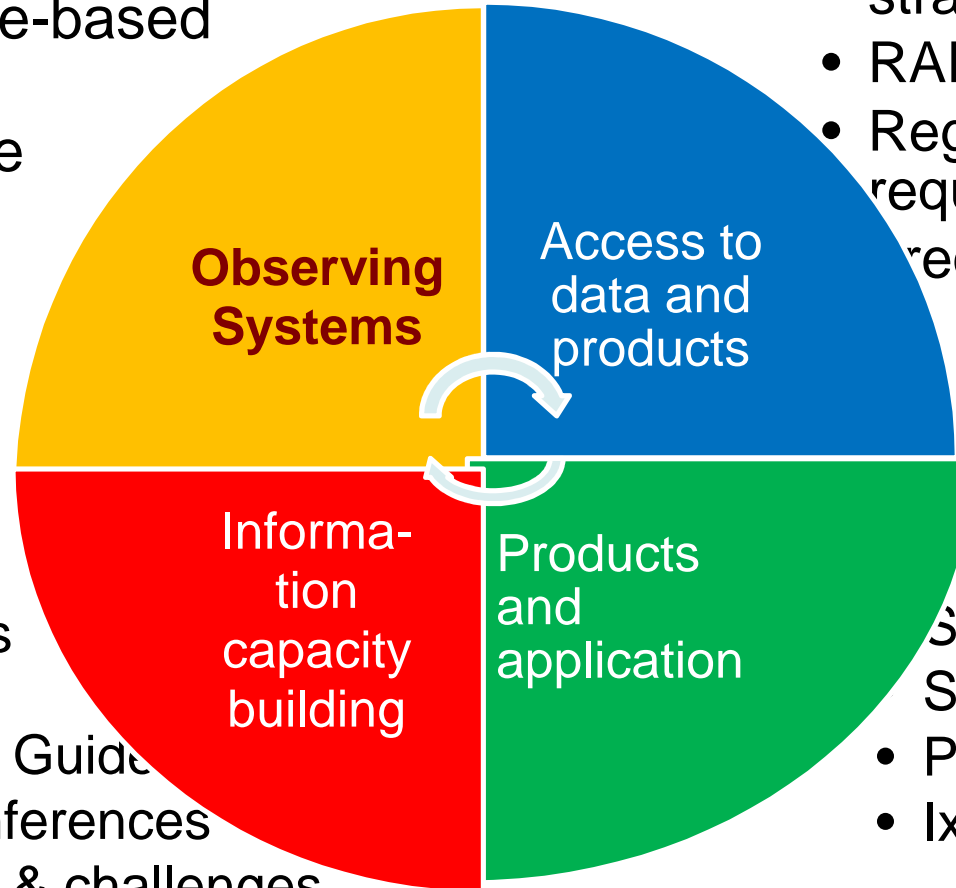
to consolidate their requirements, to be informed and trained to take advantage of satellite systems



For Earth Observation and Space Weather

- Observing requirements
- Vision of space-based system
- OSCAR/Space
- Gap analysis
- Calibration

- Data access strategy
- RARS (DBNet)
- Regional data requirements
- Frequencies



- VLab
- User Readiness SATURN
- Product access Guide
- Sponsoring conferences
- User limitations & challenges

- SCOPE-CM
- SCOPE-NWC
- Polar STG
- IxWG



On the agenda of CGMS-43

Observing systems

- WP-02: Vision of WIGOS/Space in 2040
- WP-04: Satellite data user needs in the Indian Ocean region
- WP-05: Observation requirements of the GAW
- WP-06: GSICS in the architecture for climate monitoring
- WP-07: GCOS
- WP-14: Gap Analysis
- WP-16: GSICS Report
- WP-17: OSCAR/Space new functionality

Access to data and products

- WP-08: Draft WMO Resolution on Exchange of Data & Products
- WP-09: Satellite Data Dissemination Strategy
- WP-13: Direct Broadcast Network (DBNet)
- WP-15: Operational data requirements from RA III/RA IV

User Information and training

- WP-03: User preparation (SATURN)
- WP-12: Vlab

Cross-cutting: WP10:Socioeconomic benefits; WP-11:Space weather

