WEATHER CLIMATE WATER

WMO SPACE PROGRAMME

Werner Balogh
WMO Space Programme Office

The Joint Meeting of RA II WIGOS Project and RA V TT-SU
for RA II and RA V NMHSs

Jakarta, Indonesia
11 October 2018

WORLD METEOROLOGICAL ORGANIZATION

2030 Agenda for Sustainable Development

- WMO contributes to 12 of the 17 SDGs and is the co-custodian of SDG 13 on Climate Action

https://public.wmo.int/en/our-mandate/what-we-do/wmo-contributing-sustainable-development-goals-sdgs

WMO Space Programme

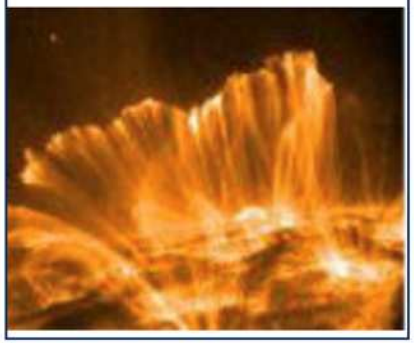
- Established by Resolution 5 (Cg-XIV) of the 14th WMO Congress in 2003
- Promote availability and utilization of satellite data and products for weather, climate, water and related applications.
- Coordinate environmental satellite matters and activities throughout all WMO Programmes.
- 16th WMO Congress in 2011 confirmed four main components:

The space-based Observing System

Access to Satellite Data and Products

Awareness and Training

Space Weather Coordination



See http://www.wmo.int/pages/prog/sat/index_en.php

WMO Space Programme Value Chain

Satellite Operators

CGMS

CEOS

Calibrated data sets

GSICS Global Space-based Inter-Calibration System

Quality-controlled products

SCOPE•CM

SCOPE•NWC

Dissemination & access

WIS

DBNet

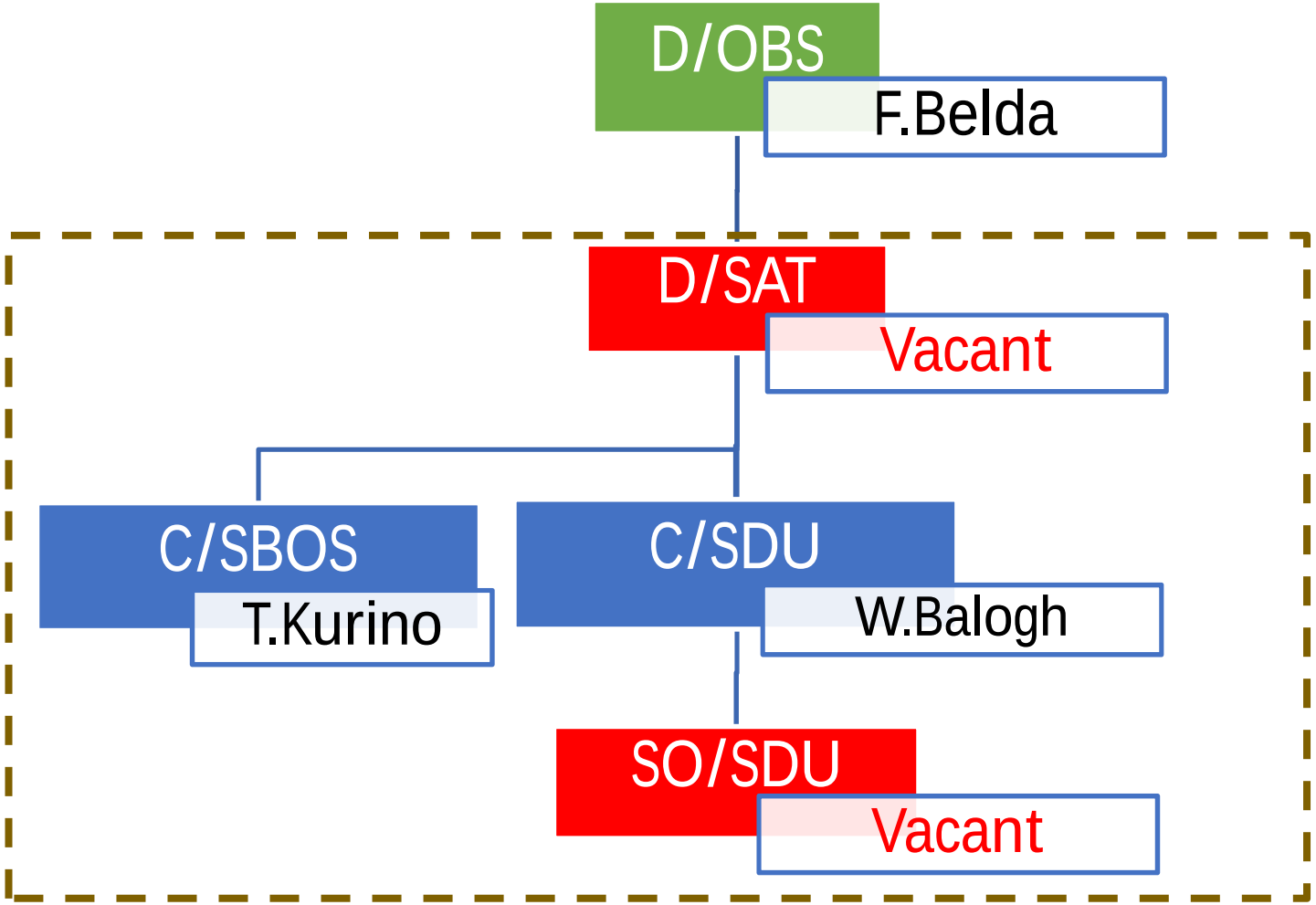
GEONETCast

Awareness & training

VLab

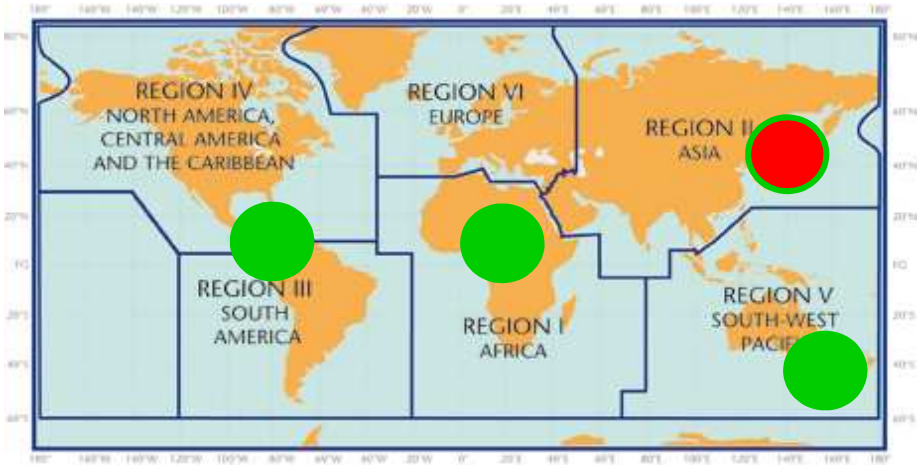
Users

WMO Space Programme Office



Regional User Mechanisms

- RA I (Africa) Dissemination Expert Group (RAIDEG)
- RA II (Asia): WIGOS Project Coordination Group
- RA III/IV (Americas): Coordination Group
- RA V (SW Pacific): Task Team on Satellite Utilization



Bringing together:

- Operational users
- Satellite providers
- Training centres (VLab CoEs)
- Scientific users
- Others

Objectives:

- User-provider dialogue
- Expressing user requirements
- Coordinating data distribution
- Identifying training needs
- Implementing WIGOS/WIS

See http://www.wmo.int/pages/prog/sat/index_en.php (Regional Activities)

Space Programme Website

See http://www.wmo.int/pages/prog/sat/index_en.php

RA II WIGOS Project

Meteorological Satellites -Japan Meteorological Agency (JMA)-

Meteorological Satellites

- Introduction
- News Release Archive
- Satellite Imagery
- Satellite Imagery (Rapid Scan)
- Operational Information
- For NMHSs
- About Us
- Links
- Site Map

HOME > Services > Meteorological Satellites > NMHSs > RA II WIGOS Project

RA II WIGOS Project to Develop Support for NMHSs in Satellite Data, Products and Training

- "WMO Space Programme"
- "Access to low-level satellite data"
- "WMO OSCAR/Space (Satellite missions, systems, and instruments)"
- "Satellite products and imagery for RA II"
- "WMO Product Access Guide"

Co-coordinator

気象庁 Japan Meteorological Agency

Korea Meteorological Administration

Under the auspices of

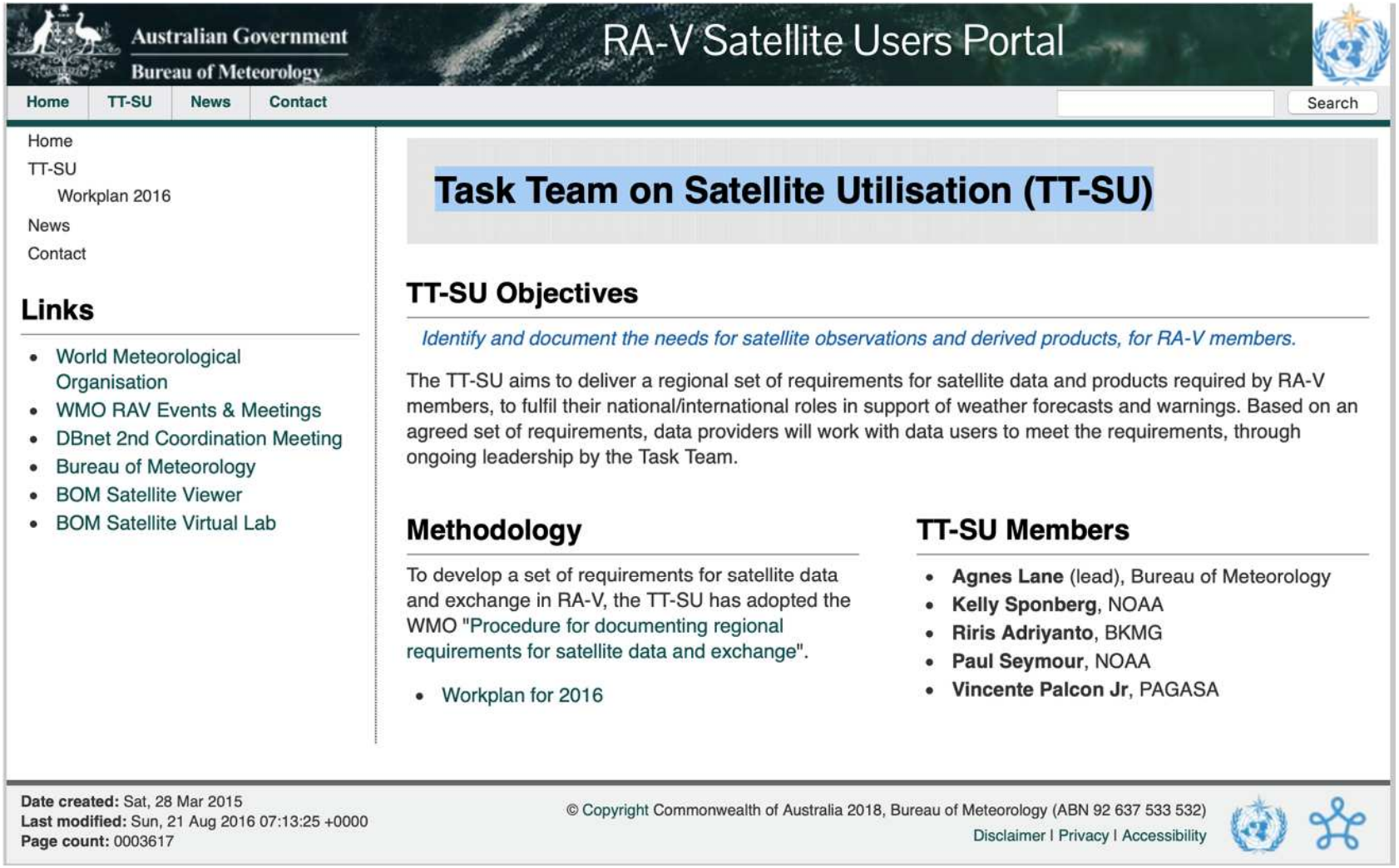
World Meteorological Organization
Weather • Climate • Water

index

- Background
- Mission
- Accomplishments
- Work Plan 2017-2020
- Structure of the Project
- Meetings of the Coordinating Group
- Newsletters

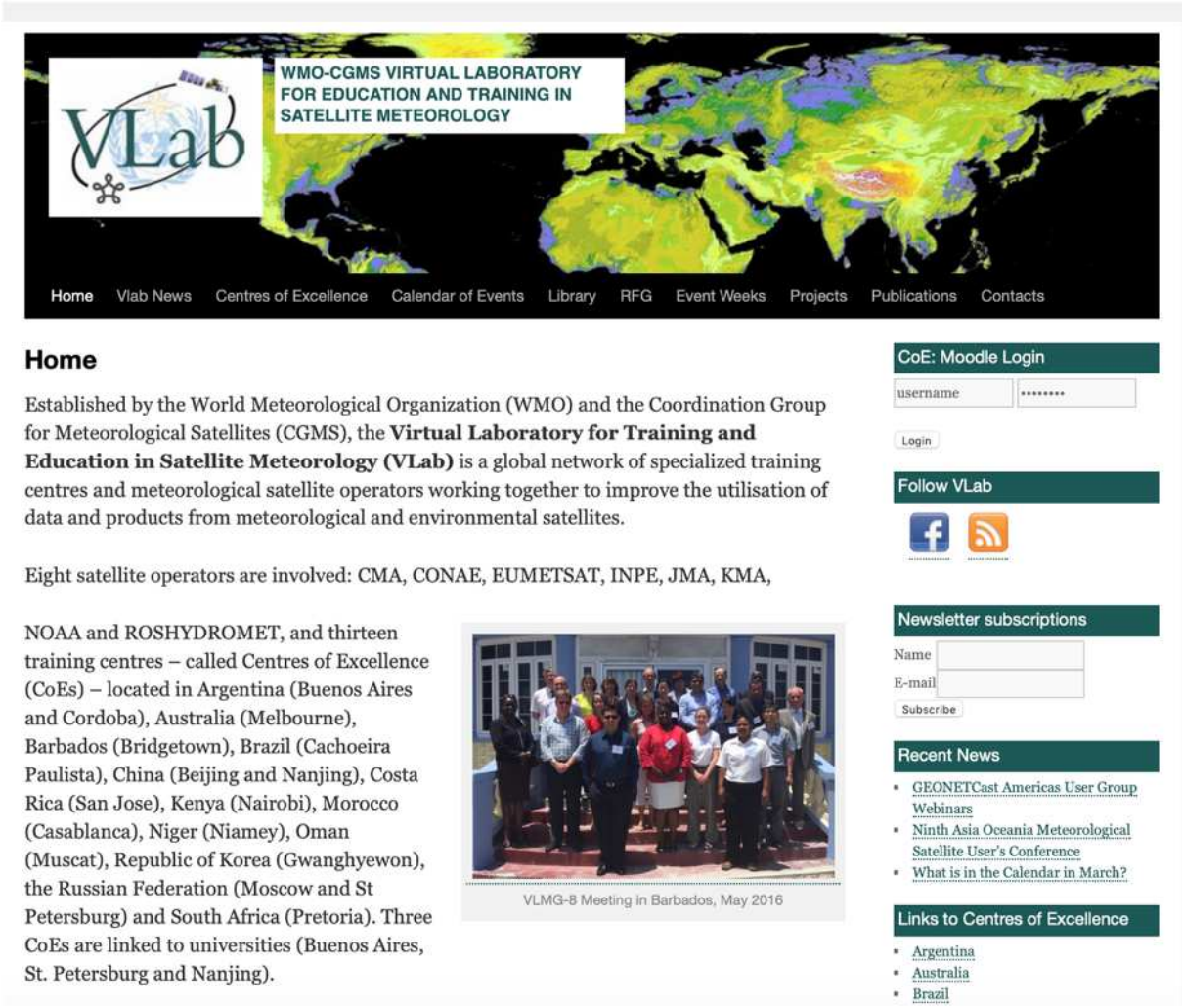
See http://www.jma.go.jp/jma/jma-eng/satellite/ra2wigosproject/ra2wigosproject-intro_en_jma.html

RA V Task Team on Satellite Utilisation



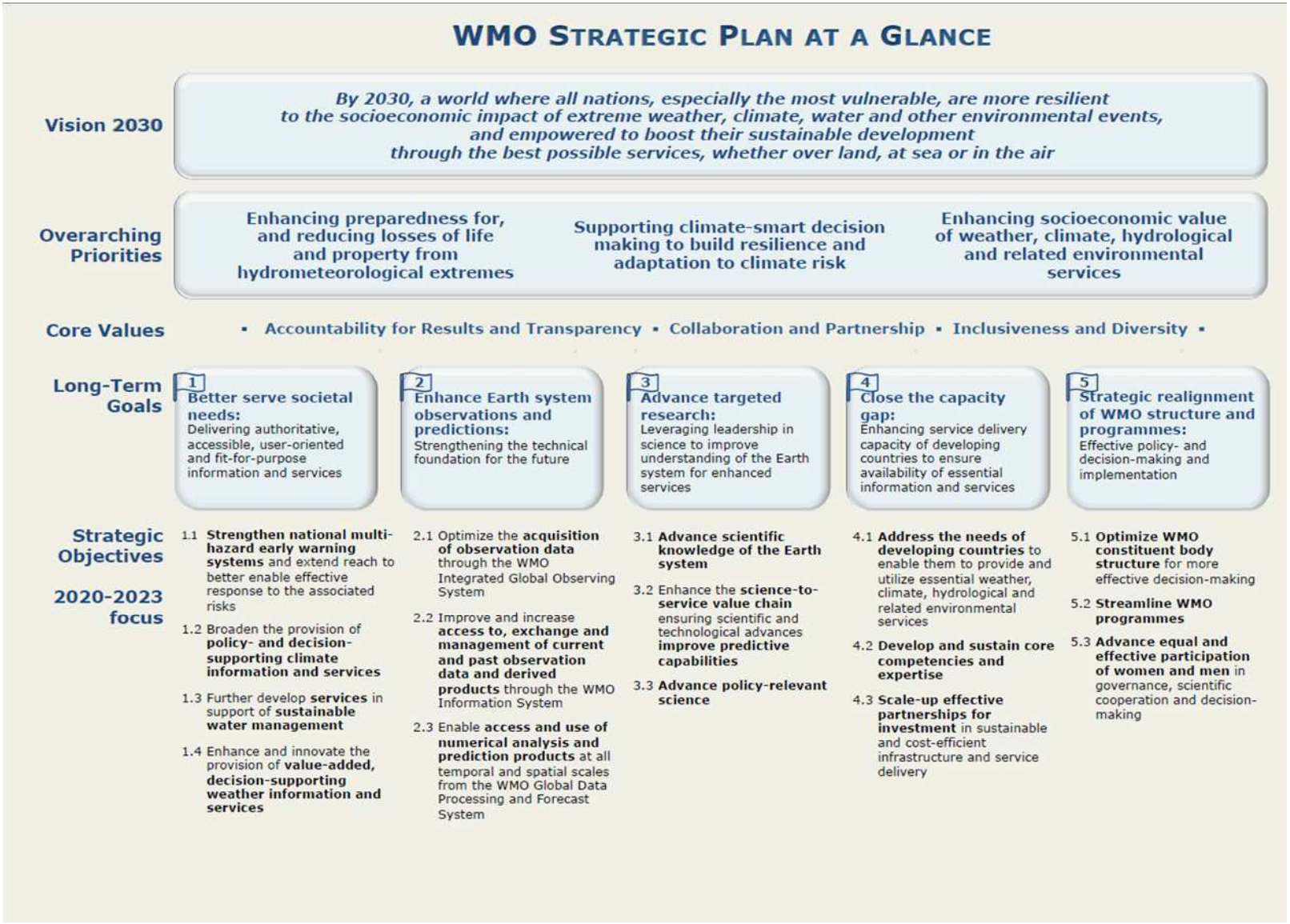
See http://www.virtuallab.bom.gov.au/portal/ttsu/

WMO/CGMS Virtual Laboratory

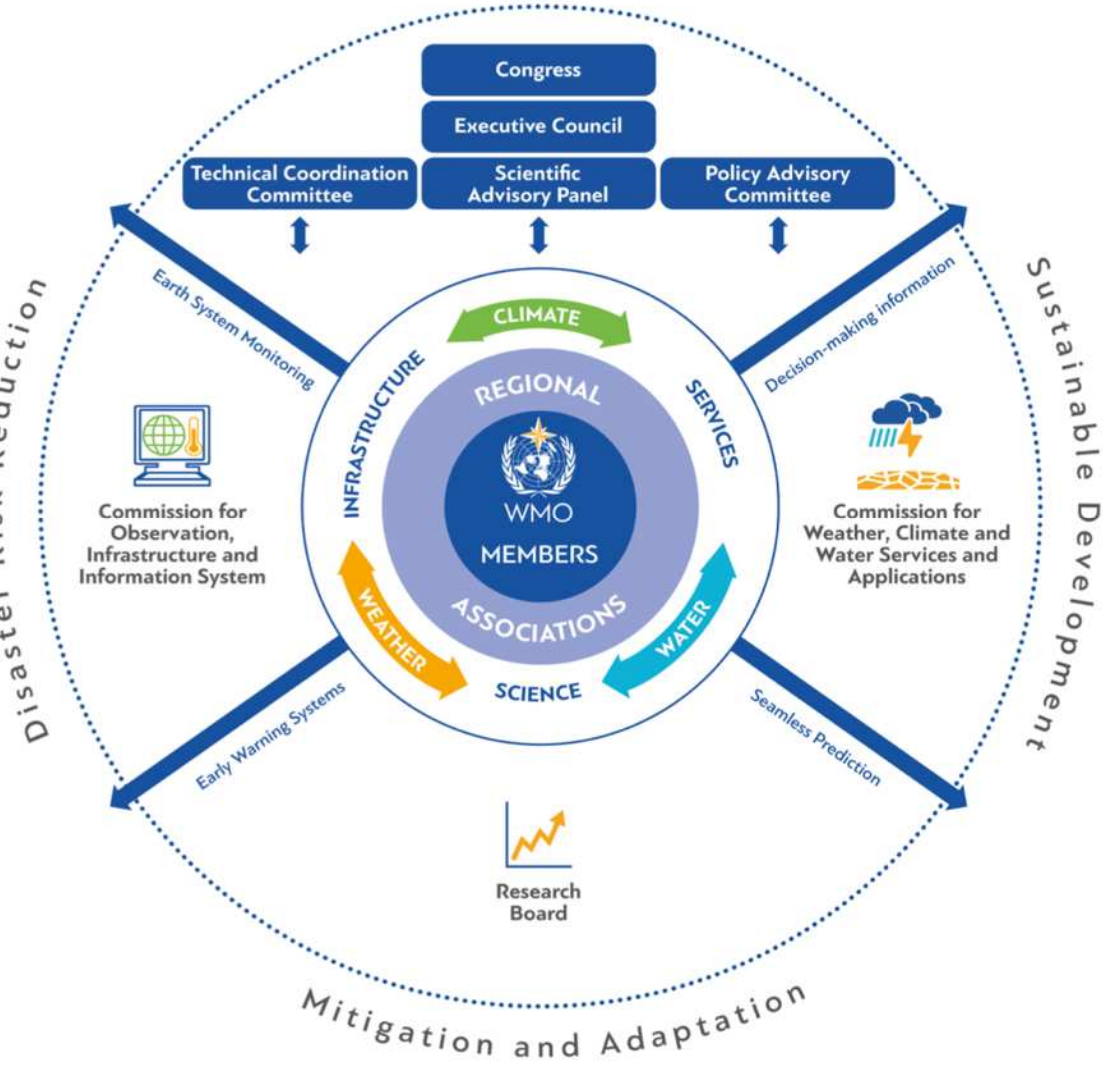


See https://www.wmo-sat.info/vlab/

Strategic Plan 2020-2023



Proposed New WMO Structure



Challenges & Opportunities

- Space Programme in the new WMO structure
- Sustain OSCAR and routinely conduct RRR
- Implement space-based WIGOS Vision 2040, including the architecture for climate monitoring
- Assist NMHSs with removing hurdles to capacity building
- Address needs of the WMO Earth System Approach
- Engage with the Global Weather Enterprise
- Bridge gap between space agencies and NMHSs
- Small satellite activities
- Maintain and promote open and free access to data
- Enlarge user community and integrate space-based data and information into decision making processes
- Contribute to implementing global development agendas
- Interaction with Regional Satellite Data/User Requirements Groups

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Thank you

WMO Space Programme

http://www.wmo.int/pages/prog/sat/index_en.php

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