

# Outcomes of Congress (Cg-18) of relevance to EN-MHS

*EN-MHS/1*

*Pretoria, South Africa*

*22 and 23 August 2019*



**WMO OMM**

World Meteorological Organization

Organisation météorologique mondiale

Presented by:  
WMO Secretariat  
and P/CAeM

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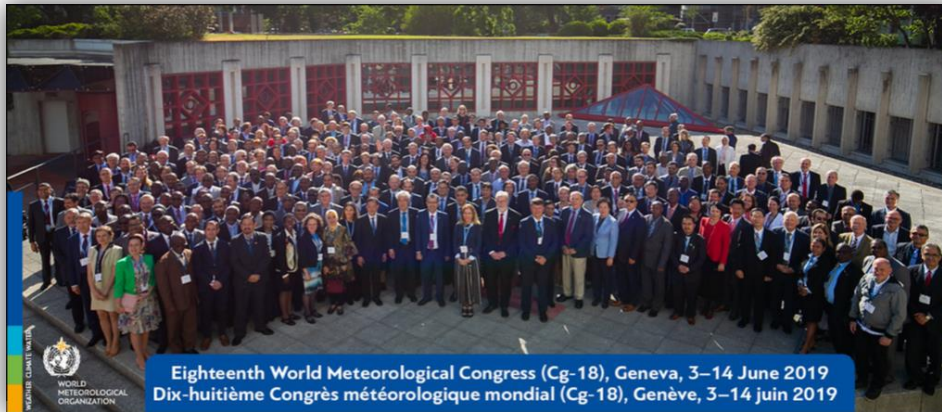
# Background

- World Meteorological Congress
  - Supreme body of WMO
  - Convenes in ordinary session once every 4 years
  - Delegates from the 193 Members of WMO (States and Territories) plus observers including ICAO
  - Addresses:
    - General policies
    - General, Technical, Financial and Staff Regulations
    - Membership of the Organization
    - Establishment and coordination of activities of constituent bodies
    - Approval of long-term plans and budget
    - Election of President and Vice-Presidents of the Organization and members of the Executive Council, plus appointment of Sec Gen



# Latest developments

- Eighteenth World Meteorological Congress
  - Cg-18 held 3 to 14 June 2019



- 801 delegates (221 or 28% were women)
- Adopted 89 resolutions

# Latest developments

## Cg-18 addressed (non-exhaustive):

- Strategic plan, operating plan and results-based budget for the next 2020-2023
- Governance review including a reform of WMO's constituent bodies
- Weather, climate, hydrological and related environmental services, including aeronautical meteorological services
- Earth system observations and predictions, including the WIGOS, WIS and GDPFS
- Earth system research
- Capacity Development
- Public-private engagement
- Data policy

PLUS: Elected Ian Lisk as president of a new Services and Applications Commission



# Outcomes of relevance

## Aeronautical Meteorology

- Resolution 27 (Cg-18)
  - Endorsed recommendations of CAeM-16, including:

- Scientific and technological advancement
- Cooperation with ICAO and others including IATA
- Long-term plan → → SEE → →
- Tech. Regs. (WMO-No. 49) Vol. II discontinuation
- Priority themes and continuity of activities

[WMO-No. 1222](#)

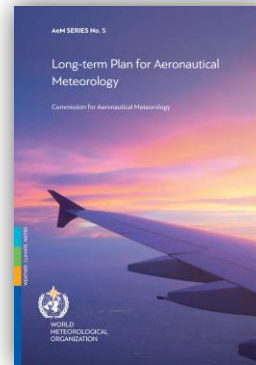


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- Resolution 28 (Cg-18)
  - Endorsed a long-term plan for aeronautical meteorology

- Framework for WMO activities in aero met
- Consistent with ICAO GANP/ASBU methodology
- Drivers for change
- Role of science and technology
- WMO role in performance improvement
- Strategic guidance for Members



[WMO AeM SERIES No. 5](#)

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# Outcomes of relevance

## Others (non-exhaustive)

- Transition to operational status of WIGOS
- 2040 vision for WIGOS
- WMO-IATA Collaborative AMDAR Prog. (WICAP)
- Four-year plan for WMO coord. of Space Wx activities
- Convening of a global Data Conference in 2020/2021
- Review of WMO data policies and practices
- WIS 2.0 and S/GDPFS implementation approaches
- Integrated and coordinated approaches to Earth-system research
  - RES Board lead with advice from SAP and others
- WMO Global Campus
- WMO Community Platform
- Geneva Declaration on PPE and Open Consultative Platform



# Outcomes of relevance

## Governance Reform

- Good level of support by Members and others for 'WMO Reform' agenda
- Some concerns regarding the transition timescale proposed ('by April 2020'), functions of new bodies and interdependency across bodies
- Approved the establishment and TORs of:
  - Infrastructure Commission
  - Services Commission
  - Research Board
  - Other constituent bodies, incl. Scientific Advisory Panel and Joint WMO-IOC Collaborative Board

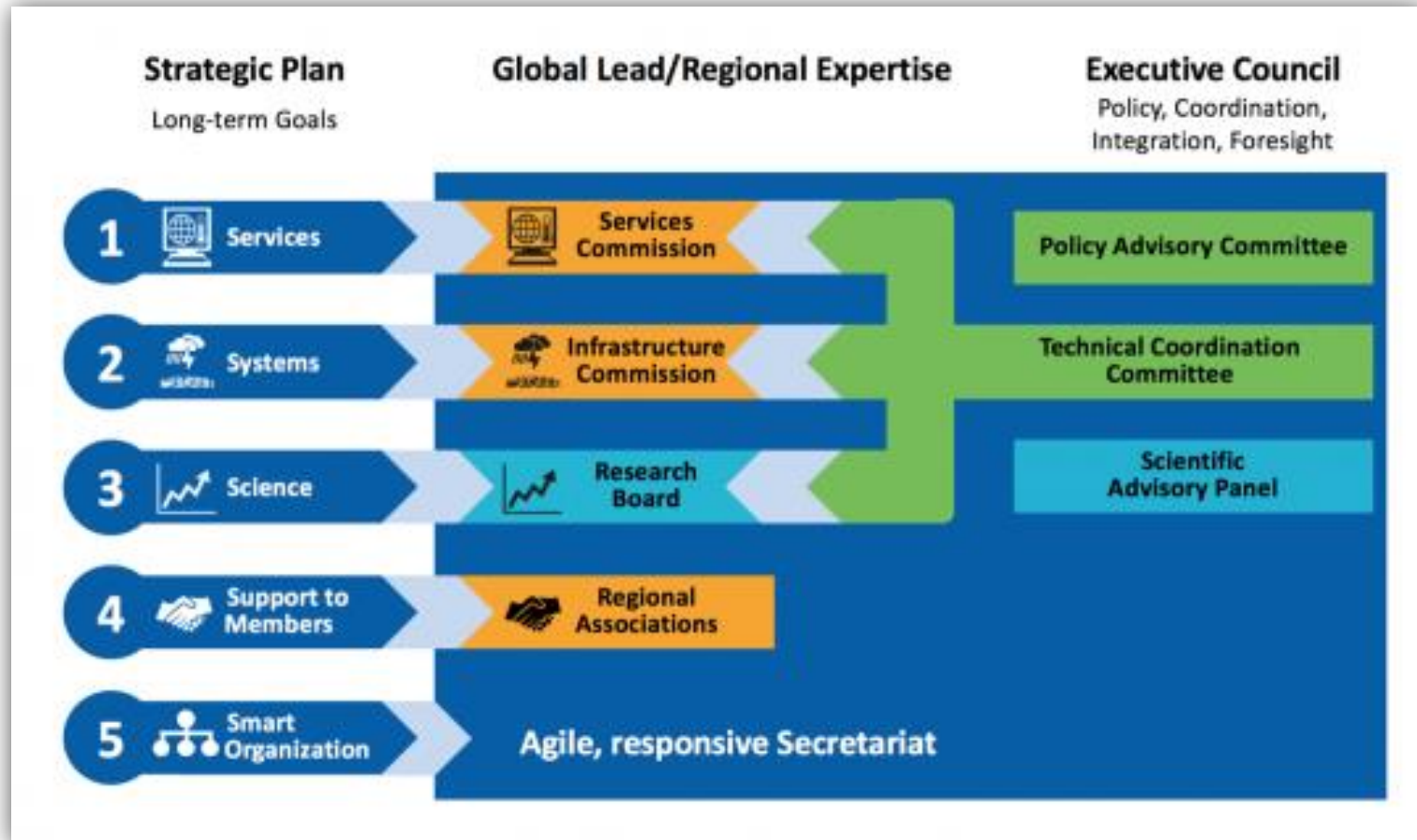
**NOTE: Disbanding of all existing technical commissions including CAeM and CAS 'upon completion of the transition period'**





# Outcomes of relevance

## NEW CONSTITUENT BODIES STRUCTURE (TOP LEVEL)



<https://public.wmo.int/en/governance-reform/terms-of-reference>

# Outcomes of relevance

## ‘Infrastructure Commission’

- Globally coordinated systems (WIGOS, WIS, etc.)
- Acquisition, processing, transmission and dissemination
- Standardized analysis and model forecast fields
- Data and IM practices
- Integrated systems for all application/service areas

## ‘Services Commission’

- Globally harmonized weather-, climate-, water-, ocean- and environment-related services and applications
- Aero met, marine, agro, PWS, climate, hydro
- Plus emerging services
  - Urban, environmental, MHEWS, polar, high mountain, health, energy, food sec., water mgt., land transport etc.



# Outcomes of relevance

## Research Board

- Integrated and multidisciplinary research approach to weather, climate, water and environment
- End-to-end 'value chain'
  - *Research-to-operations*
  - *Science-for-services*
- Earth system processing, predictive and projection capabilities
- Advance fundamental understanding of Earth system
- Promote uptake of technological and scientific innovation
- User needs focus

## Scientific Advisory Panel

- Independent, leading internationally recognized experts (max. 15)
- Opinions and recommendations to Cg and EC on WMO research strategies
- Optimal scientific directions
- Forward-looking strategic advice on emerging challenges and opportunities
- Weather, climate, water and related environmental and social sciences



# Tying it all...



...together

# Implications



- Governance Reform means:
  - Dissolution of existing intergovernmental technical commissions including CAeM and CAS
  - Establishment of new intergovernmental technical commissions (Infrastructure and Services) plus other bodies (RB, TCC, SAP et al.)
  - Establishment of non-intergovernmental subsidiary bodies, including SC-AeM
    - Necessary and appropriate transposition of work
    - EN-MHS likely to become a subsidiary of SC-AeM

# Implications



- Governance Reform means (continued):
  - Opportunity to better align WMO and ICAO working structures – potential for joint bodies such as MGs and WGs
  - Opportunity to be more efficient, more effective, more agile, more responsive, more accountable etc. to the needs of WMO Members and partners, including ICAO, with the resources (human and financial) available
    - Restructuring of WMO Secretariat (by 1 January 2020) in response to and aligned with Governance Reform

# Next steps (12 months)



Transition period key events:

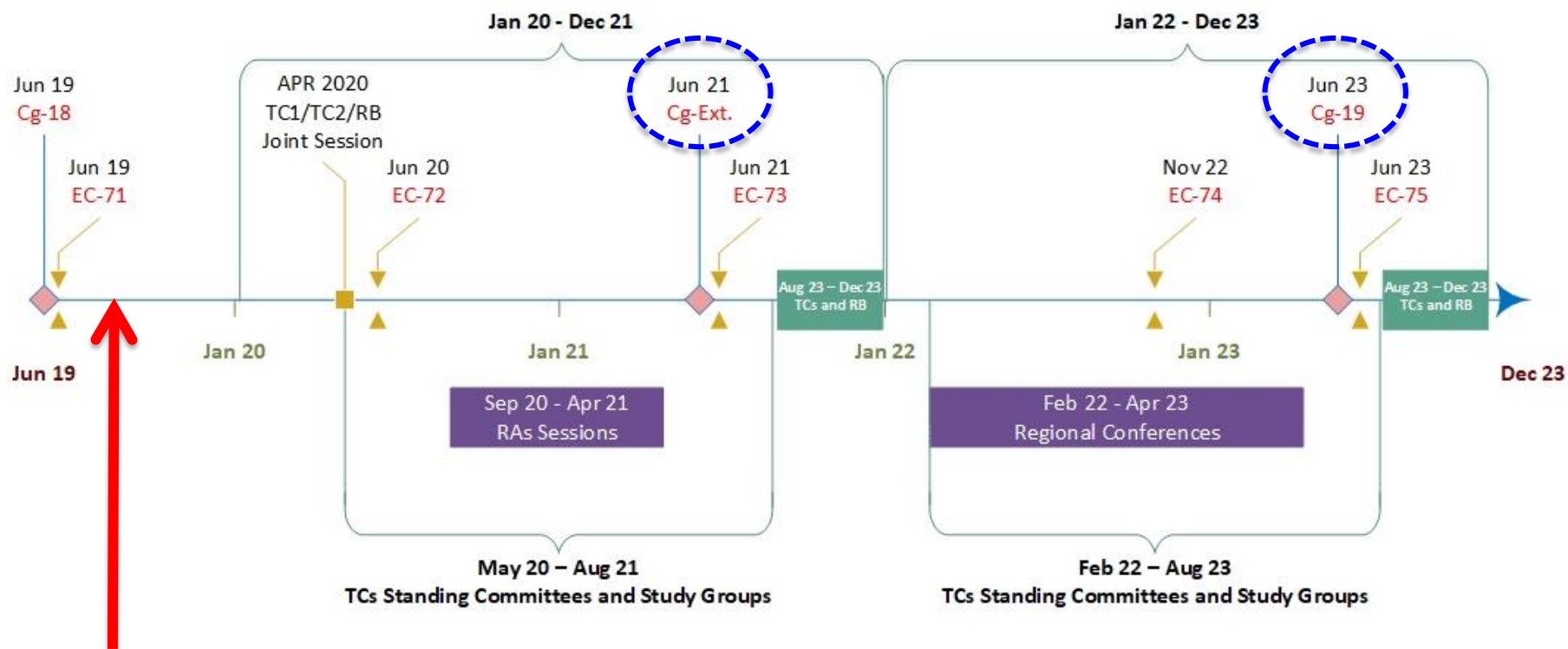


Subject to change



# Next steps (4 years)

Overall cycle of constituent bodies meetings:



**TODAY**



# Further reading



## Final Report on Congress

- WMO-No. 1236 ([e-Library](#))
  - Part I (*Abridged Final Report*):
    - [EN](#), [FR](#), [ES](#), [RU](#), [ZH](#) and [AR](#)
  - Part II (*Progress Activity Report*):
    - [Multilingual](#)



## Website on Governance Reform

- <https://public.wmo.int/en/governance-reform>

English

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### Governance Reform

Established in 1950, WMO recognizes the need to continuously adapt to a rapidly changing world. The need for regular reform is being driven by environmental degradation, resource constraints, increased competition, technological advances, and other forces. The goal for WMO is to remain fit-for-purpose and to become more and more nimble and cost-effective.

#### Why reform?

WMO serves the interests of its Members. It seeks to support them in achieving their goals in the most efficient and cost-effective manner possible. In particular, WMO Members are committed to delivering high-quality weather, climate and water information and services that will assist decision-makers at all levels of society. These services contribute to the global agenda, notably the Sustainable Development Goals, the Sendai Framework on Disaster Risk Reduction 2015-2030, and the Paris Agreement of the United Nations Framework Convention on Climate Change.

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The potential benefits of the WMO reform process:

- › Earth system approach: meteorology, climatology, hydrology, oceanography, seismology, volcanology, air quality, greenhouse gases
- › Multi-hazard and impact based seamless services: weather, climate, water, aviation, marine, agriculture, urban, energy, health
- › Wide climate perspective: observations, services, science, mitigation and adaptation
- › Engagement of hydrological services in WMO activities and weather-water synergies
- › Organized and controlled engagement of private sector in WMO activities
- › Optimal use of National Meteorological and Hydrological Services and Secretariat resources, thus providing more support for regional activities

WMO Governance Reform Video (English...)

WMO for the 21st Century - Animation...

Click here



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— END —