

Nineteenth Congress Briefing to Members

- 1. Secretary-General introduction**
2. Cg-19 overview
3. Strategic Plan and budget
4. Key strategic initiatives
5. Elections and appointments
6. Technical thematic days
7. Q&A

Cg-19 Overview – week 1

	22 MONDAY	23 TUESDAY	24 WEDNESDAY	25 THURSDAY	26 FRIDAY
	* High-level Day *	* Services Day *	* Infrastructure Day *	* Science Day *	Hydrological Assembly (part) * Capacity Day *
7					
8		Budget Committee (open) [Plenary B]	Credentials Committee (closed) Salle 3	Coordination Committee (closed) Nomination Committee (closed)	Budget Committee (open) [Plenary B]
9	P-1 - Congress Opening	P-3.2 - Strategic Initiatives - EW4All (contd.)	P-3.2 - Strategic Initiatives - GGMI (contd.)	P-4.3 - Targeted research	P-4.4 - Capacity development
	P-1 - Agenda and organization of the Congress	P-4.1 - Services for societal needs	P-4.2 - Earth system observations and predictions		
10	P-2.1-2.2 - Reports of President and Vice-President				
11	P - High-Level Dialogue on Early Warnings for All (EW4All)				
12	Group Photo	Reception	Reception	Reception	Reception
			Reserved for Regional Consultations (RA-XX principal delegates only)	Reserved for Regional Consultations (RA-XX principal delegates only)	Reserved for Regional Consultations (RA-XX principal delegates only)
13	Information on the conduct of Congress Amphitheatre D	RA-VI-Ext (2023) (closed) [Plenary B]			
14	P-2.3 - Reports by presidents of regional associations	P-4.1 - Services for societal needs (contd.)	P-4.2 - Earth system observations and predictions (contd.) Ceremony of recognition of centennial	P-4.3 - Targeted research (contd.)	P-4.4 - Capacity Development (contd.) - Capacity for EW4All
15	P-3.1 - Strategic plan and budget 2024–2027				
16	P-3.2 - Strategic Initiatives				
17			Reserved for Regional Consultations (RA-XX principal delegates only) Plenary B	Reserved for Regional Consultations (RA-XX principal delegates only) Plenary B	Open Consultative Platform (OCP-4) - PPE for EW4All
18					
	Secretary-General's Reception CICG	Reception	Reception	Reception	Reception








Cg-19 Overview – week 2

	29 MONDAY	30 TUESDAY	31 WEDNESDAY	1 THURSDAY	2 FRIDAY
	* Water and Cryosphere Day *	* Gender Day *		* Elections Day *	* Concluding Day *
7					
8	Nomination Committee (closed) Salle 4	Gender Breakfast Dialogue (open) Cafeteria at CIGC	Credentials Committee (closed) Salle 3		
9	P-3.2 - Strategic initiatives (cryosphere)	P-5 - Governance reform evaluation and constituent body structures	P-6.1 - Amendments to the General, Technical, Financial and Staff Regulations	P-1.4 - Report on credentials	Ceremony of Secretary-General contr
10			P-6.2 - General matters	P-7 - Elections and appointments	P - Outstanding documents
11	P-3.1 - Strategic Plan and Budget 2024-2027 (contd.)	P-4.5 - Equal, effective and inclusive participation	P-8 - Review of previous resolutions of Congress		
12	Reception	Reception			EC-elect meeting [Plenary B]
13					
14	P-4 - Hydrological Assembly recommendations	P-6.5 - Oversight	P - IMO Prize Award Ceremony and Lecture	P-7 - Elections and appointments (contd.)	P - Outstanding documents
15		P-6.3 - Financial matters	P - Outstanding documents		
16		P-6.4 - Legal and administrative matters			
17	Reserved for Budget Committee (open) [Plenary B]	Coordination Committee (closed) Salle 14		P - Reserved	P-10 - Closure of the session
18					
	Reception	Reception	Reception		



Strategic Plan

VISION	A world where all nations , especially the most vulnerable , are more resilient to the socioeconomic impact of extreme weather, climate, water and other environmental events , and empowered to boost their sustainable development through the best possible weather, climate and water services				
OVERARCHING PRIORITIES	Preparedness for, and reducing loss of life, infrastructure and livelihood from hydrometeorological extremes	Climate-smart decision-making to build resilience and adaptation to climate risk	Socioeconomic value of weather, climate, hydrological and related environmental services		
CORE VALUES	Accountability for results and transparency	Collaboration and partnership		Inclusiveness and diversity	
LONG-TERM GOALS	1 Services  Better serve societal needs	2 Infrastructures  Enhance Earth system observations and predictions	3 Science and Innovations  Advance targeted research	4 Member Services  Close the capacity gap	5 Smart Organization  Strategic realignment of WMO structure and programmes
STRATEGIC OBJECTIVES	<ol style="list-style-type: none"> National multi-hazard early warning/alert systems Policy- and decision-supporting climate information & services Hydrological services Decision-supporting weather information & services Changes in the cryosphere and downstream impacts 	<ol style="list-style-type: none"> Acquisition of Earth system observation data (WIGOS) Access to, exchange and management of Earth system observation data and products (WIS) Access to and use of numerical analysis and Earth system prediction products 	<ol style="list-style-type: none"> Advance scientific knowledge of the Earth system Enhance science-for-service value chain to improve predictive capabilities and analysis Advance policy-relevant science 	<ol style="list-style-type: none"> Enable developing countries to provide and utilize essential services Develop and sustain core competencies and expertise Scale up partnerships for investment in sustainable cost-efficient infrastructure and service delivery 	<ol style="list-style-type: none"> Optimize WMO constituent body structure Strategic partnerships Advance equal, effective and inclusive participation Environmental sustainability

Focus areas for 2024-2027 ↓



WMO OMM

Maximum expenditures 2024-2027

- SG proposal circulated to Members six months ahead of Cg-19
- Additional scenario (at ZRG) and details added as recommended by EC-76 (March 2023)
- Revised proposal to be circulated very soon
- Will be first discussed at FINAC immediately in advance of Cg-19 (19-20 May)
- Open budget committee at Congress will elaborate the decision
- Budget 2024-2025 will be presented at EC-77 immediately following Cg-19



Maximum expenditures 2024-2027

- Scenarios to be presented:

(amounts in CHF '000s)

	Zero Nominal Growth (ZNG)	Zero Real Growth (ZRG)	Secretary-General's Proposal
Maximum Expenditures	271,544.4	278,071.4	290,396.4
Growth over ZNG	-	6,527.0	18,852.0
% over ZNG	-	2.4%	6.9%

Maximum expenditures 2024-2027

Key Priority Areas in ZRG and SG's Proposal:

1. Early Warnings for All
2. Global Greenhouse Gas Monitoring Infrastructure
3. Regional and Representative Office Reform
4. Plan of Action for Hydrology
5. Cryosphere and downstream impacts
6. Enterprise Resource Planning (ERP) System
7. IT Security and Strategy

These Key Priority Areas are
critical for meeting the needs of Members and for the full implementation
of the Strategic and Operating Plan 2024-2027



Key strategic initiatives – EW4All

- Early Warning for All – high strategic priority
- High-level dialogue on Day 1
- Resolution and comprehensive progress report
- Technical aspects discussions on thematic days
- Capacity for EW4All dedicated discussion on day 4
- Public-private engagement for EW4All – OCP-4

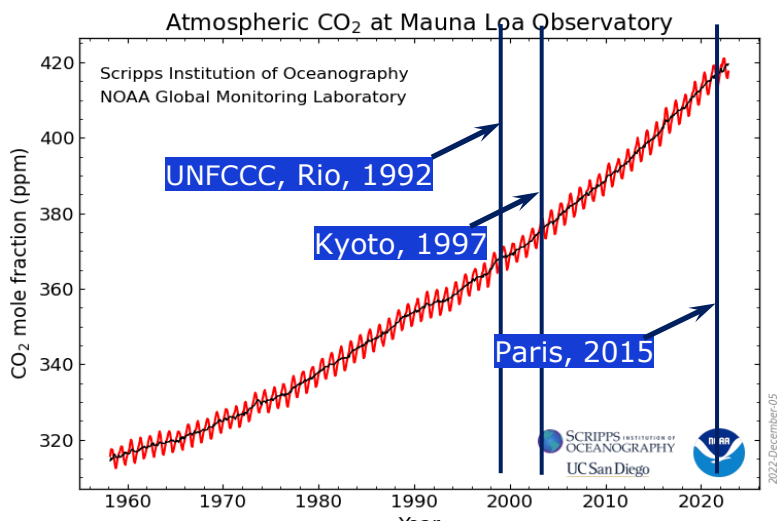
Key strategic initiatives – GGMI

1. Concept for the WMO-coordinated Global Greenhouse Gas Monitoring Infrastructure
2. Resolution with directions for the way forward

Key strategic initiatives – GGMI

WMO's Global Greenhouse Gas Watch (G3W)

Progress toward reducing net anthropogenic GHG emissions under the Paris Agreement continues to be slow, in part because the assessment of the effectiveness of mitigation action does not take into account its impact on atmospheric greenhouse gas concentrations.



Internationally coordinated, global, top-down monitoring of greenhouse gas fluxes will help support the efforts of the Parties to the Paris Agreement meet their targets



WMO Greenhouse Gas Monitoring Symposium, 30.01-01.02 2023
Consensus Statement authored by 170 participants (excerpt):

- There is an urgent need to {...} develop global, internationally coordinated GHG monitoring to help accurately quantify greenhouse gas sources and sinks
- WMO {...} is uniquely positioned to play a significant role in advancing this
- Recognizing the urgency, we therefore call on WMO, {...}, to take ownership via
 - Convening experts and stakeholders across Un, international programs,
 - Leading the development of an initial concept for an integrated framework {...}

Key strategic initiatives – GGMI

Global Greenhouse Gas Watch (G3W): Top-down monitoring of GHG fluxes building 60+ years of World Weather Watch experience and observing expertise of GAW

Key components

- Integrated global observing system (both surface- and space-based)
- Near-real time international exchange of all observations;
- 24/7 operational GHG modeling (multiple model systems), converting observations into flux estimates;
- Routine internationally coordinated intercomparison and verification of model output:

Primary output

- Time-continuous global fields of CO₂, CH₄ and N₂O concentrations;
- Consolidated, top-down, monthly estimates of GHG fluxes at (initial) global 100 by 100 km resolution (1 by 1 km will become possible);

Users of GGMI output

- Parties to the Paris Agreement (Global Stocktake);
- Regional and local users, e.g. via IG3IS;
- Participants in voluntary carbon markets, ;
- Scientific community working on GHG budgets;
- IPCC, for emissions pathways, future scenarios;

Timeline:

- *COP27/SBSTA-57; nearly all Parties expressed very strong support for this;*
- *WMO Greenhouse Gas Monitoring Symposium, Jan-Feb 2023; very strong support from the research community;*
- *WMO Executive Council (Feb-Mar 2023); green light for Congress proposal;*
- **19th World Meteorological Congress, May-June 2023; Goal: Intergovernmental agreement to develop G3W;**
- Development starting this year - pilot capabilities already exist in Europe, the US, Japan, ..., international coordination and (especially) exchange of observations is missing; this is where WMO can help;
- *Multi-party operational capability at 100 x100 km within five years;*
- *Operational capability at 1x1 km within 10 years, if adequately resourced;*



Elections and Appointment at Cg-19

- During Cg-19, elections will be held to elect the **President**, the **three Vice-Presidents** and the **Executive Council** members as well as to appoint the **Secretary-General** of the Organization in accordance with Article 8(j) and Article 21, respectively, of the WMO Convention.
- The **Elections day is on 1 June 2023** and will be in the main plenary room of CICG. **Principal Delegates or Alternates of Members must be physically present to vote.**
- A Member may **delegate a vote by proxy** to another Member in case of their absence.
- The **sequence of the votes** will start with the **Secretary-General, followed by the President and Vice-Presidents and then members of the Executive Council.**
- **Only Members with voting rights are eligible to nominate candidates** for vacant posts or participate in voting in accordance with Resolution 37 (Cg-XI).
- **Valid nominations received** by the Secretariat **for the positions of Secretary-General, President and Vice-Presidents will be placed on the WMO website.** Positions for membership of the Executive Council are under discussion at the Regional level and will not be placed on WMO website.
- The **Nomination Committee** which will be **established on the opening day of Congress will compile the list of candidates to be voted on** and any candidates coming from the floor just prior to the elections will be included.



Voting - Who and How

- **To limit circulation in the Plenary room on Election Day, a maximum of four (4) delegates per Member will be able to access the Plenary Room. This includes the Principal Delegate or Alternate. Delegates will be requested to collect special badges for access to the Plenary room from 30 May 2023.**
- Only Members with **valid credentials** and **voting rights** will be entitled to participate in any vote or appointment during the Congress.
- With respect to appointment of the **Secretary-General, Principal Delegates of both Member States and Territories** are entitled to vote.
- **Principal Delegates of the Members of the Organization which are States** shall be entitled to **vote** in the **elections** of the **President, Vice-Presidents** and of the **members of the Executive Council**.
- Each Member of the Congress shall have **one vote**.
- Voting shall be confidential and conducted by **secret paper ballot**.
- **Principal Delegates** will be **provided with a ballot paper to be completed at their desk** and will be **called in Groups to deposit their votes in ballot boxes** at the front of the room.



Important Dates

- Deadline for advance submission of Nominations: **15 May 2023**
- Collect badges to access the Plenary Room from: **30 May 2023**
- Elections and appointment at the Nineteenth World Meteorological Congress: **1 June 2023**

Services Day

1. Services Commission report
2. WMO Strategy for service delivery and its implementation plan:
 - Update of the strategy
3. Technical regulations:
 - Vol I, WMO Competency Frameworks
 - Vol II, Services for International Air Navigation
 - Vol I, to include Common Alerting Protocol
 - Vol I (part IV and App. A) BIP-M and BIP-MT
4. Other services:
 - Drought management
 - Health services
 - Maritime services (cost options investigation)
 - Flood forecasting and other hydrological services



Infrastructure Day

1. Infrastructure Commission report
2. WMO Integrated Global Observing System (WIGOS)
 - Global Basic Observing Network (GBON) initial composition
3. WMO Information System (WIS)
4. WMO Integrated Processing and Prediction System (WIPPS)
5. Underpinning elements
 - WMO Unified Data Policy
 - WMO position on the WRC-23
6. Ceremony of recognition of centennial stations



WMO Integrated Global Observing System

- National WIGOS Implementation
 - Doc 4.2(1) – High-level Guidance on the evolution of global observing systems during the period 2023-2027 in response to the Vision for WIGOS in 2040: **guidance on national WIGOS implementation towards 2040**
 - Doc 4.2(2) – Initial GBON Composition: **to define initial GBON stations**
 - Doc 4.2(8) – Update of the mechanism for recognition of long-term observing stations: **to streamline the recognition mechanism**
- Co-sponsored programme
 - Doc 4.2(9) – Improving Climate Observations - 2022 GCOS IP and ECVs requirements: **implications of new GCOS IP and ECVs to WMO Members**



WMO Information System

- Implementation of WIS 2.0 – **from GTS to WIS 2.0**
 - Doc 4.2(5) – Technical Regulations of the WMO WIS 2.0: **regulatory framework for WIS 2.0**
 - Doc 4.2(4) – Climate and Hydrology Data Management in the WIS 2.0 – **data management for the Earth system**

WMO Integrated Processing and Prediction System

- WMO Integrated Processing and Prediction System (WIPPS), **as an evolution of the Global Data-processing and Forecasting System (GDPFS) for the Earth system**
 - Doc 4.2(6) – WMO Integrated Processing and Prediction System (WIPPS): **the new name of the GDPFS, and implementation of WIPPS**
 - Doc 4.2(7) – Amendments to the Manual on GDPFS in alignment with WMO Unified Data Policy: **to introduce the concept of the “core” NWP products**



Underpinning elements

- The Unified Data Policy Implementation
 - Doc 4.2(7) – Amendments to the Manual on GDPFS in alignment with WMO Unified Data Policy: **to make more NWP products available**
 - Doc 4.2(5) – Technical Regulations of the WIS 2.0: **to facilitate implementation of the Unified Data Policy**
- Doc 4.2(3) – WMO Standard Vocabulary: **towards harmonized vocabulary and terminology in WMO community**
- Doc 4.2(10) – WMO Position on the World Radiocommunication Conference 2023 Agenda: **to voice WMO's position to WRC-23 for protection of radio frequency allocated for meteorological and other environmental services**



Science Day

1. Key achievements & science highlights from the 3 research programs and IPCC Assessment report 6
2. WCRP Open Science Conference 2023 in Kigali
3. Research Board and Scientific Advisory Panel reports
4. Prioritization of emerging future research foci including new implementation plans for the WWR and GAW programs
5. Revised Terms of Reference of the Research Board
6. Scientific Advisory Panel Recommendations with Research Board Appraisal and feasibility report



Capacity Day

- **WMO Capacity Development Strategy**
 - The WCDS proposes a strategic approach to be utilized by all stakeholders in planning their CD actions.
- **Capacity for EW4All dedicated discussion**
 - Implementation of the EW4ALL Initiative
 - A series of training events was initiated focused on increasing the capacity of the Members to respond to high-impact weather events developing the forecasting competencies of NMHSs to implement EW4ALL initiative
 - In 2023, more than 100 specialists from all regions will be the beneficiaries of training dedicated to impact-based forecasts, communicating high-impact information, and warnings.

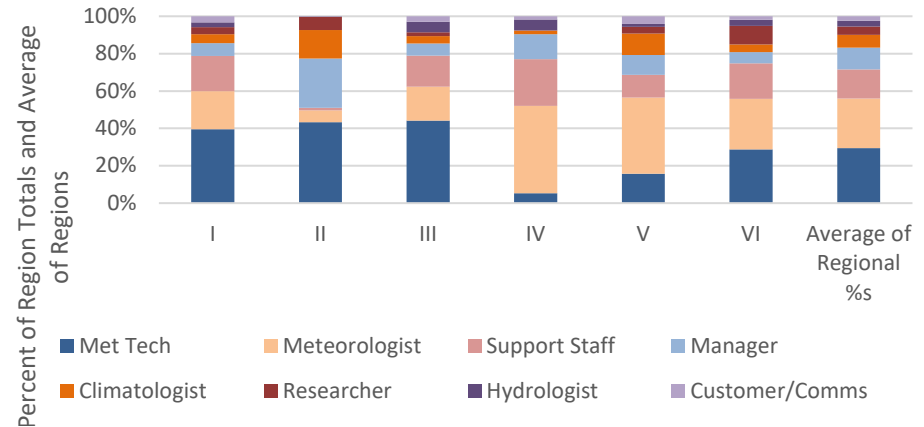


Capacity Day

• Education and Training

- It needs to be considered that because of the continuous change of specialist staff due to retirement and employment of the young generation, and the evolution of science and technology, the education and training needs are increasing every year.
- The long-term fellowship requests were dramatically reduced to less than half during the pandemic but started to increase in 2023
- Considering the Worldwide, **more than 90,000 people annually need training** in various professional areas.
- The most numerous group of people needing training is Meteorological Technicians (36,085 people). The next largest group is Managers (20,769 people), followed by Climatologists (11,819 people) and Meteorologists (9,911 people).

Percent of Staff Needing Training that is Comprised by Each Professional Category



Professional Categories	I	II	III	IV	V	VI	Global
Met Tech	2.505	31.584	726	262	195	813	36.085
Manager	444	19.248	106	674	132	165	20.769
Climatologist	297	11.112	66	93	141	110	11.819
Meteorologist	1.295	4.706	299	2.363	502	746	9.911
Researcher	240	5.186	33	13	46	276	5.794
Support Staff	1.192	963	273	1.259	150	528	4.365
Hydrologist	170	58	94	292	18	90	722
Customer/Comms	198	96	46	81	50	97	568
Regional Totals	6.341	72.953	1.643	5.037	1.234	2.825	90.033



Water and Cryosphere Day

- Consideration of the report of the Chair of the Hydrological Assembly
- Update to the WMO Vision and Strategy for Hydrology and its related Plan of Action
- Increase of hydrological participation in WMO governing bodies
- Regional HydroSOS implementation plans and reporting on the state of global water resources
- Priorities to Address Global and Regional Impacts of Changes in the Cryosphere



Other Congress highlights

- Hydrological Assembly
- Governance reform evaluation outcomes, actions
- Gender Day
- IMO Prize ceremony and lecture
- General, legal, regulatory, financial, administrative matters and oversight
- Decision to hold Cg-Ext (2025)



Q&A