

World Meteorological Organization

Working together in weather, climate and water

Global Framework for Climate Services (GFCS)

--Progress report to CGMS-41

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Key issues and outcomes for the first session of Intergovernmental Board on Climate Services (IBCS-1)



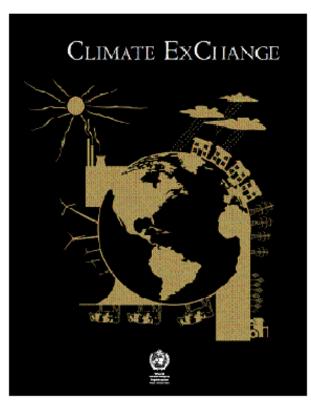
Monday 1 July: Dialogue

Tuesday 2 to Friday 5 July: IBCS-1

- Election of Chair and Vice-chair
- Consideration of issues relevant to the implementation of GFCS
- Follow-up to decisions of Cg-Ext.(2012), including Implementation Plan
- Establishment of bodies reporting to IBCS
- Financial matters



Dialogue on Implementation action



Compendium of case studies in climate services released at the Dialogue on 26-27 October 2012

- IBCS-1 preceded by a plenary Dialogue on Practical Action (1st July 2013)
- A platform to demonstrate benefits of an organized and coordinated system
- Based on the components and initial priority areas
- Users, providers, partner agencies, Geneva Missions
- Poster sessions, side events

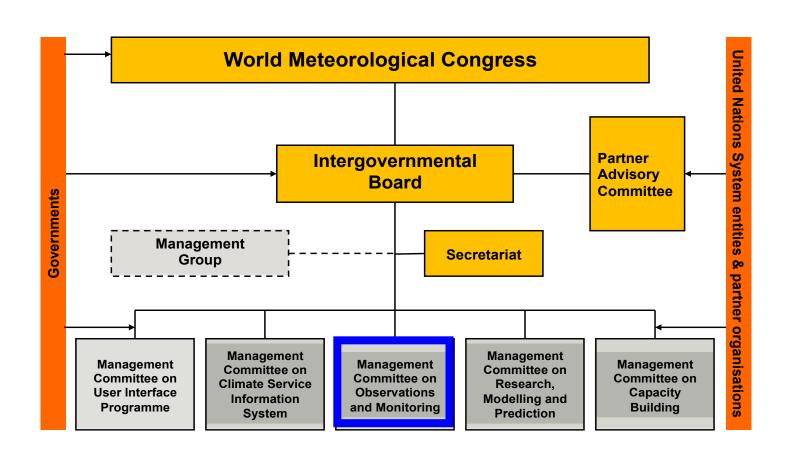




Key decisions of IBCS-1



Original proposed Governance Structure



Draft Resolution 3.2/1 (IBCS-I) ESTABLISHMENT OF THE MANAGEMENT COMMITTEE OF THE INTERGOVERNMENTAL BOARD ON CLIMATE SERVICES

- Recognizing the need for the active participation of members in a Management Committee to carry out the decisions of the Board in the intersessional period,
- Decides to establish IBCS Management Committee;
- Membership
 - The membership of the Committee is limited to <u>28 principal</u> members of the IBCS designated by the WMO Members decided at each regular sessions of the IBCS.
 - Elected a Chair (Dr Anton Eliassen, Norway)
 - Two <u>Vice-Chairs: Dr Linda Makuleni (South Africa) and Dr Laxman Singh Rathore, India)</u>



Resolution 4.1.2/1 (IBCS-1) on inititial Priority Areas

Decides:

 To adopt the activities contained in the Exemplars as essential for building the User Interface Platform of the GFCS for the four initial priority areas (Agriculture, Water, Health and Disaster Risk Reduction) and for any future priorities of the GFCS;

• Invites:

- The FAO and the World Food Programme, the WHO, the International Strategy for Disaster Reduction, the UNESCO, and UN-Water, with the involvement of relevant stakeholders in the implementation of the activities;
- All stakeholders that have a role to play in the initial four priority areas of the GFCS, including United Nations system entities, relevant national, regional and international organizations and entities, to be actively involved in the implementation of the activities contained in the Exemplars;

Stakeholder engagement mechanism

Agriculture and food security

Water



Health

Disaster risk reduction

 Effective engagement of various stakeholders essential to the implementation of GFCS

 WMO to present a proposal to the Intergovernmental Board





Draft Resolution 4.2.2/1 (IBCS-1) ESTABLISHMENT OF A STAKEHOLDER ENGAGEMENT MECHANISM

• Decides to establish the Partner Advisory Committee as the stakeholder engagement mechanism;

Membership

The Partner Advisory Committee is open to UN organizations, non-UN intergovernmental organizations, international organizations, international development partners, international non-governmental organizations as recognized by the UN and WMO



Draft Resolution 4.2.1/1 (IBCS-1) ESTABLISHMENT AND TERMS OF REFERENCE OF THE SUBSIDIARY BODIES OF THE INTERGOVERNMENTAL BOARD ON CLIMATE SERVICES

- **Decides** to establish the Technical Advisory Committee with the Terms of Reference as set out in the Annex to this resolution;
- Invites the partner organizations to participate in this Technical Advisory Committee and to the implementation of GFCS-agreed activities, projects and programmes as appropriate;



Key Issues for CGMS

- Meet the observing and monitoring needs of GFCS priority areas with the development of the Space Architecture for Climate Monitoring
- Support free and open exchange of climate-relevant space observational data and Products
- Future engagement of the GFCS Process, i.e. engage PAC and TAC (both at CGMS organizational level, and CGMS members at national levels)



Thank you



Global Framework for Climate Services (GFCS) Office

For more information on GFCS, kindly contact: Global Framework for Climate Services (GFCS) Office World Meteorological Organization

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Global Framework for Climate Services



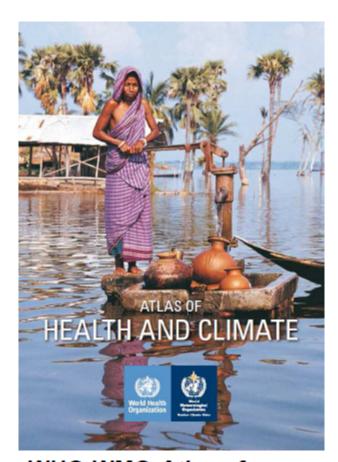
Backup slides for Q&A

Outcomes of EC-65

- Resolution 1 (EC-65) –
 Follow-up to Cg. Ext.(2012)
- Resolution 2 (EC-65) WMO Policy for
 International Exchange of
 Climate Data and
 Products to Support the
 Implementation of the
 Global Framework for
 Climate Services
- Role and operation of National Meteorological and Hydrological Services in the GFCS
- Role of WMO Technical Commissions in the implementation of GFCS
- Preliminary discussion on WMO Policy for International Exchange of Climate Data and Products



Institutional coordination



WHO-WMO Atlas of Health and Climate released in six languages

- Project Oversight Board
 - Facilitate planning and coordination for the completion of documents
 - IFRC, FAO, WFP, UNESCO, UNDP, UNISDR, WB, WHO, WMO
- Interagency Coordination Group
 - High-level structure to develop effective cooperation with UN agencies
 - FAO, WFP, UNESCO, UNDP, UNISDR, WB, WHO, WMO
- Joint Project Offices
 - To coordinate implementation of joint projects
 - WHO



GFCS contributions (in CHF) as of 4 June 2013

| Donor | CHF |
|------------------------|------------|
| Norway | 18 884 074 |
| Canada | 6 620 729 |
| Switzerland | 850 500 |
| UK | 670 561 |
| Australia | 484 504 |
| Ireland | 481 039 |
| Republic of Korea | 372 017 |
| Other (various donors) | 213 000 |
| Greece | 193 472 |
| China | 159 986 |
| India | 95 000 |
| France | 72 280 |
| Finland | 61 387 |
| Hong Kong, China | 9 520 |
| TOTAL | 29 168 069 |

Figures include received and pledged contributions



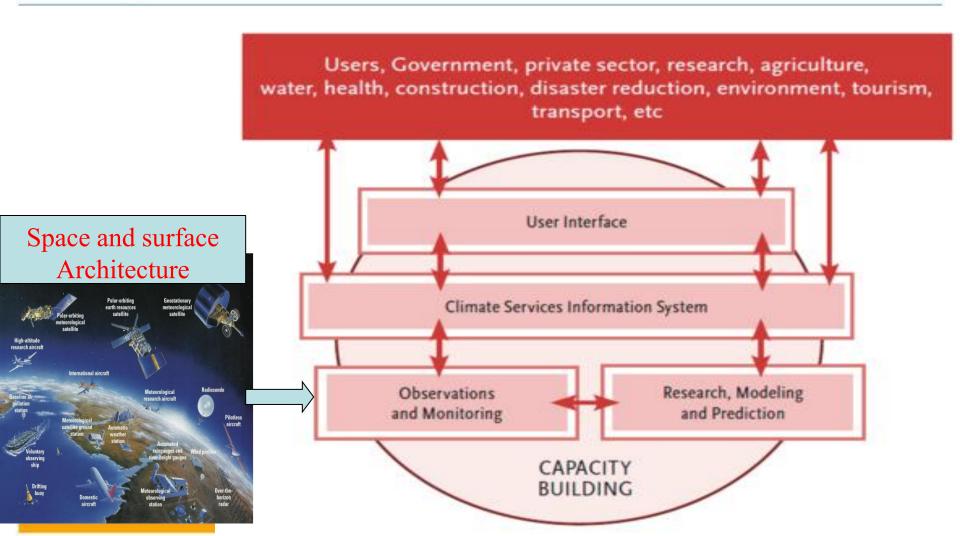
Sixteenth WM Congress Resolution 19 (Cg-XVI, 2011) DEVELOPMENT OF AN ARCHITECTURE FOR CLIMATE MONITORING FROM SPACE

Considering:

- The increasingly important role that space-based observations are playing in the long-term monitoring of the Earth's environment,.
- The underpinning role that observations will play in the Global Framework for Climate Services (GFCS),
- The importance of integration of ground-based and space-based observations in the successful implementation of the WMO Integrated Global Observing System (WIGOS),
- Decides that an architecture should be developed to provide a framework for the sustained and coordinated monitoring of the Earth's climate from space;



Structure of Global Framework for Climate Services (GFCS)











































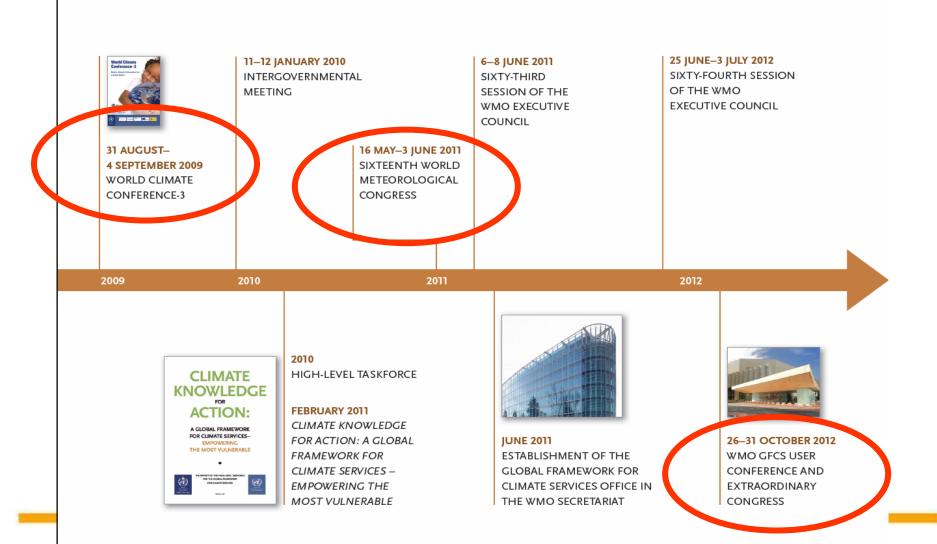








The Global Framework for Climate Services (GFCS)—A New Partnership Process





GFCS Implementation Plan

Chapter 1: Introduction

Chapter 2: Benefits from GFCS

Chapter 3: Issues to be addressed

in implementation

Chapter 4: Implementation priorities

Chapter 5: Enabling mechanism

Chapter 6: Resources mobilization

Chapter 7: Conclusions and

recommendations

Annex 1: UIP

Annex 2: CSIS

Annex 3: Obs & Mon

Annex 4: Res & Mod

Annex 5: Cap Dev

GFCS Initial priorities

Exempl.: Water

Exempl.: Dis.Risk Red.

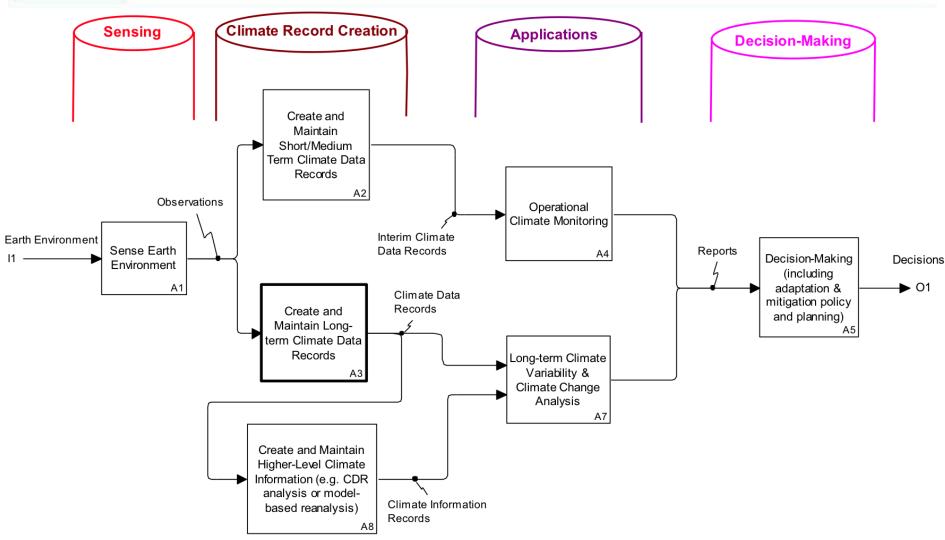
Exempl.: Health

Exempl.: Agric./Food

Security



GFCS Observations and Monitoring component clearly reference to the space architecture development





The key challenges have been identified by GFCS

- Accessibility: many countries do not have climate services at all, and all countries have scope to improve access to such services.
- Capacity: many countries lack the capacity to anticipate and manage climate related risks and opportunities.
- Data: the current availability and quality of climate observations and impacts data are inadequate for large parts of the globe.
- Partnership: interactions between climate service users and providers are not always well developed, and user requirements are not always adequately understood and addressed.
- Quality: operational climate services are lagging advances in climate and applications sciences.



Key relevance to CGMS

GFCS Observations & Monitoring Pillar-1

- The GFCS will benefit from existing surfacebased and satellite-based observing systems that already provide a wealth of data
- The satellite data have contributed very significantly to climate datasets and are the only way to provide global coverage
- The Architecture for Climate Monitoring from Space has been identified as a key component of GFCS

GFCS Observations & Monitoring Pillar-2

- Address important gaps in climate observations
- Address transforming research-based observations into operations, promotes the integration of remotely-sensed and *in situ* observations
- Promote free and open exchange of climaterelevant observational data while respecting property rights and national and international policies.