

Closing the Capacity Gap: WMO Development Partnerships Flagship Initiatives

WMO Executive Council Capacity Development Panel
26 – 27 August 2020

WMO Development Partnerships Office



WMO OMM

1. Closing the capacity gap – supporting developing Members through scaling up effective partnerships

Long Term
Goal 4
Closing the
Capacity Gap

S.O 4.3
Scaling
Effective
Partnerships

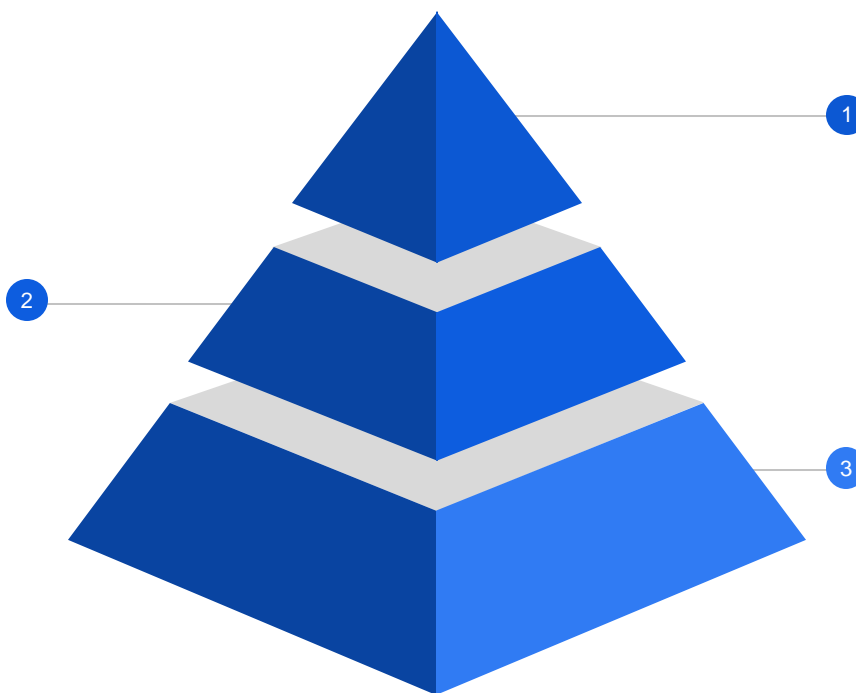
● **Foundational Long-term Goal of the WMO Strategic Plan 2020-2023** – Without capacity, in particular of the 131 developing Members, the achievement of all other Long-term Goals remains elusive.

● **Critical for WMO to enter into effective partnerships with those development and climate finance partners that are investing billions of dollars on capacity development for our Members.**

2. Delivering on SO 4.3 and Cg-18 Resolution 74 - WMO development partnership flagship initiatives

Country Support Initiative & Country Hydromet Diagnostics

Informing and advising hydromet policy and investment decisions with WMO peer expertise



Alliance for Hydromet Development

1

Building top level trust and commitment

Systematic Observations Financing Facility

3

Fixing the perennial basic observations problem through provision of sustainable finance

- Interconnected, mutually reinforcing and building on each other.
- To deliver successfully on SO 4.3 all initiatives need to succeed.
- They build on and go beyond existing approaches and initiatives to strengthen capacity, including CREWS initiative, the VCP, and WMO Secretariat implemented projects.

3. Delivering on SO 4.3 and Resolution 74 – Where do we stand?

Alliance for Hydromet Development

Alliance for Hydromet Development

Uniting efforts to close the capacity gap on high-quality weather forecasts, early warning systems, and climate information as the foundation for resilient and sustainable development

- **Bringing together major climate and development finance partners** - 12 founding members including the largest funders of hydromet development. Alliance members current hydromet investments are more than \$ 2.5 billion
- **High level commitment** - CEOs and heads of agency signed the declaration and launched the Alliance
- **Concrete action** - 3 concrete priorities for 2020 established with strong commitment from all Alliance members

Alliance 2020 Priority Actions

- **Country Hydromet Diagnostics**
- **Alliance Hydromet Gap Report**
- **Systematic Observations Financing Facility**

Alliance 12 Founding Members

Major climate and hydromet funders



ADAPTATION FUND



New members to join in 2020



3. Delivering on SO 4.3 and Resolution 74 – Where do we stand?

Country Hydromet Diagnostics

Country Hydromet Diagnostics

A standardized, practical, integrated approach for

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- Assessing the performance of public national meteorological services, their operating environment, and their contributions
- Informing Alliance members and Governments investment decisions
- Tracking progress in closing the hydromet capacity gap

Key features

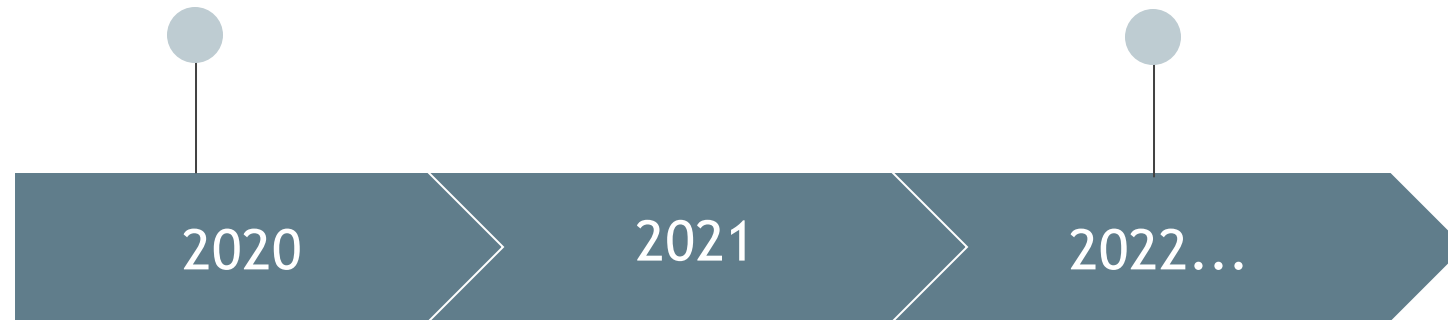
- **Jointly developed** – as a commitment of the WMO Country Support Initiative (CSI) and the Alliance for Hydromet Development
- **Operational and practical** - focus on the ten most critical elements of the hydromet value cycle
- **Umbrella diagnostics** - draws on existing tools and methodologies
- **Authoritative** - Developed under the technical guidance of WMO bodies and Diagnostics to be conducted by NMHS peers through the Country Support Initiative
- **Transparent** - Results publicly available and disseminated through the annual Alliance Hydromet Gap Report

Country Hydromet Diagnostics Development process



Phase one: Develop the draft prototype, road-test in selected countries, disseminate through First Alliance Hydromet Gap Report

Phase three: Continue refinement based on the lessons learned, regular annual application and dissemination through Alliance Hydromet Gap Reports



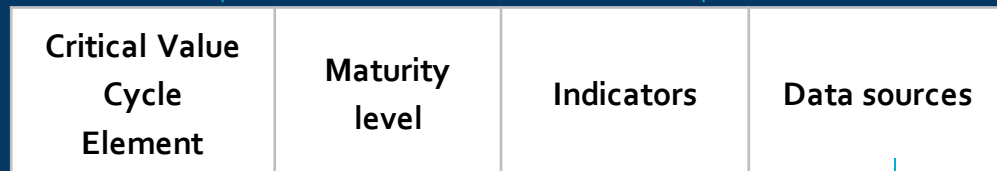
Phase two: Prototype further refined, diagnostics undertaken in all developing countries, disseminate through Second Alliance Hydromet Gap Report

Results of the annual Diagnostics to be the **foundation** of the Alliance Hydromet Gap Reports

Country Hydromet Diagnostics Components

Ten critical elements of the hydromet value cycle

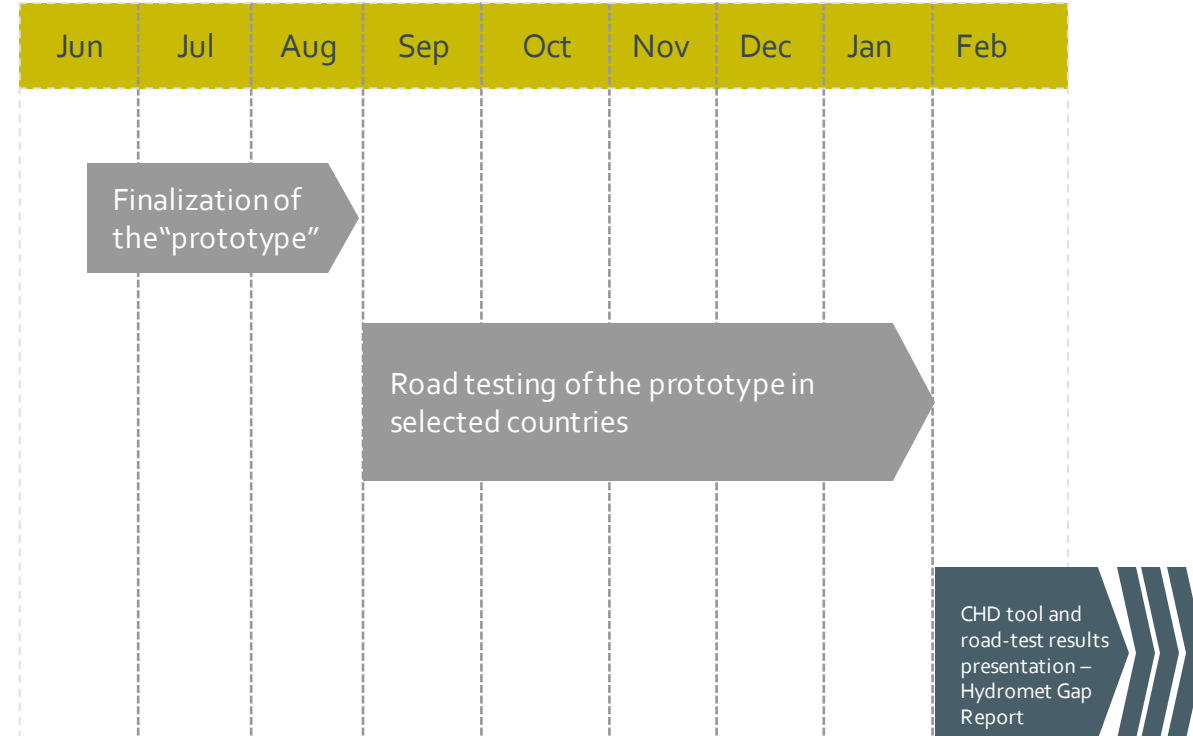
A limited number of standardized indicators for each element



Benchmarking on where additional emphasis and support are needed

A peer-review approach, using as a basis
Self-assessed
Client surveys

Development timeline phase 1



3. Delivering on SO 4.3 and Resolution 74 – Where do we stand?

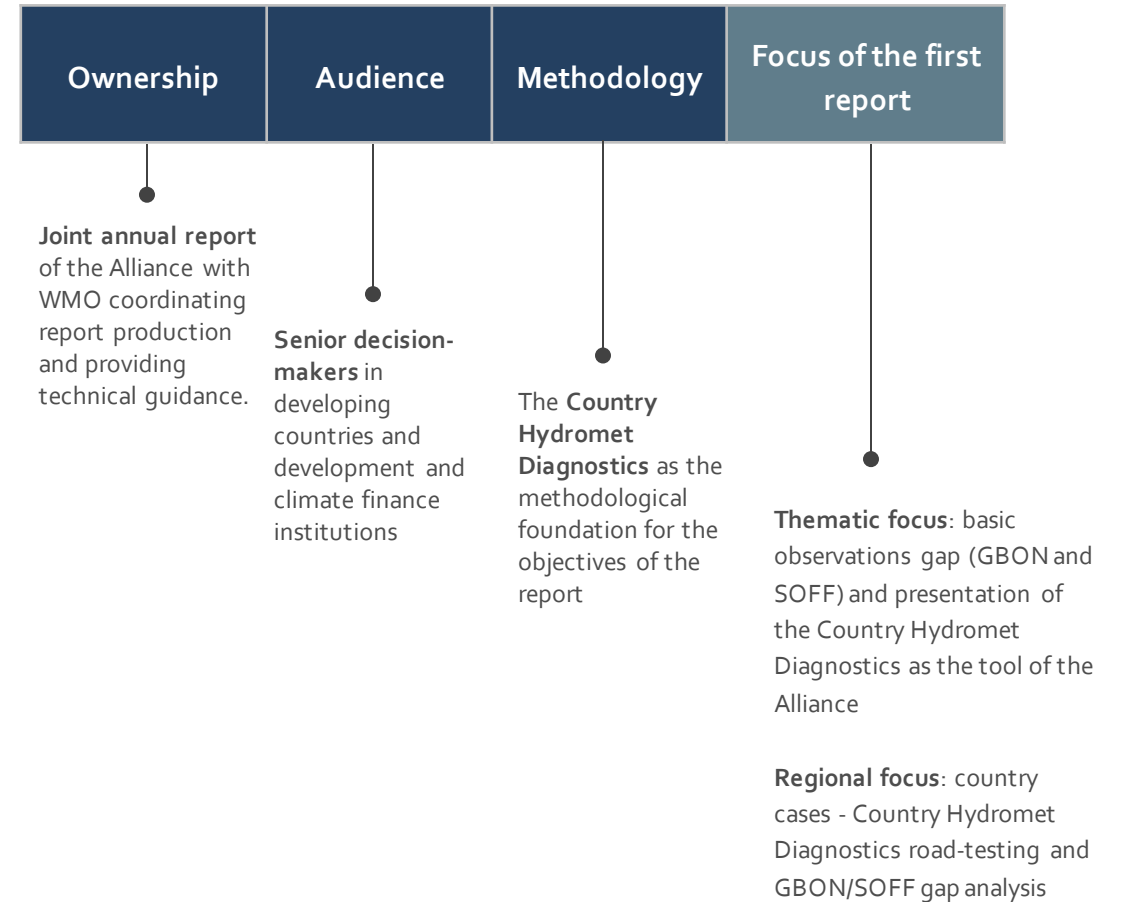
Alliance Hydromet Gap Report

Alliance Hydromet Gap Report

Objectives

- **Track progress** on Alliance commitments
- **Capture lessons learned**
- **Guide investments** and identify high-impact Alliance priority actions

Key features



First Alliance Hydromet Gap Report – launch at Congress 2021

Outline

Why to invest in Hydromet Development

- Hydromet context
- What is the Alliance for Hydromet Development and what is the “Hydromet Gap Report”?

How to assess the Hydromet Gap

Country Hydromet Diagnostics

Regional Deep Dive

Country Hydromet Diagnostics road-tested in selected countries

Thematic Deep Dive

Global Basic Observing Network and SOFF
Introduction to the Country Hydromet Diagnostics

Alliance commitments and priorities going forward

- Closing the basic observations gap – creating SOFF
- Closing the capacity gap – applying the Country Hydromet Diagnostics globally

3. Delivering on SO 4.3 and Resolution 74 – Where do we stand?

Systematic Observations Financing Facility

Systematic Observations Financing Facility

Achieving full compliance with the Global Basic
Observing Network in developing countries

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- Provide technical assistance and finance to achieve developing countries compliance with GBON and increase access to improved forecasts and climate products.
- **Design features**
 - Providing support based on an optimal unequivocal internationally agreed metrics design to guide investments
 - Shifting from short-term capital investments focus to long-term observational data exchange as a measure of success
 - Creating local and regional benefits while delivering on a global public good
- 30 institutions, including all Alliance members are jointly developing the SOFF through parallel working groups

SOFF Working Groups

Advancing SOFF concept and design

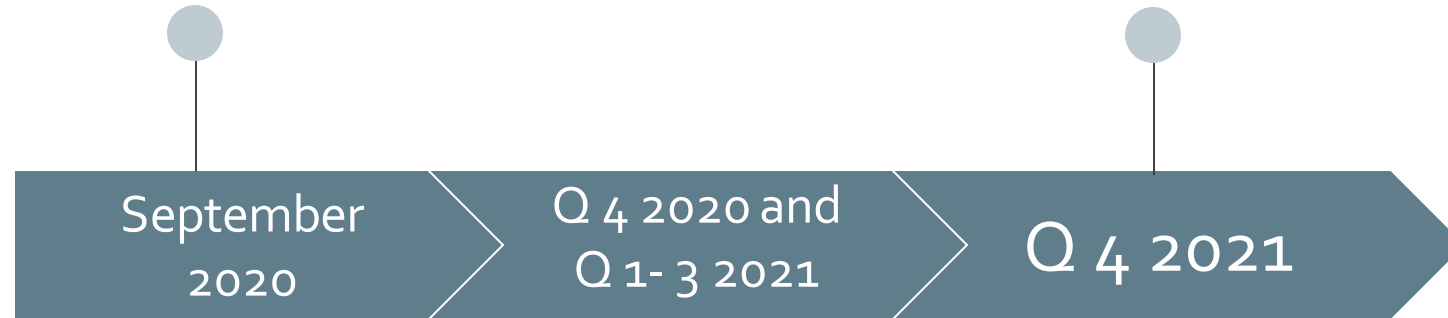
Working Group 1 The value of GBON	GBON scientific value
	GBON global economic value
	GBON country economic value
Working Group 2 GBON gap analysis and implementation options	GBON global gap analysis
	GBON country gap analysis
Working Group 3 SOFF financing mechanisms and opportunities	Overview of existing GBON-related funding
	Overview of financing mechanisms
	Draft SOFF design options
	SOFF funding opportunities
Working Group 4 Insurance sector use- cases	Develop three insurance sector cases
	Insurance sector stakeholder engagement
	Identify options for involvement of the insurance sector
Working Group 5 SOFF advocacy and communication	Advocacy and communication plan
	Knowledge products
	Communication products

Systematic Observations Financing Facility

Development process

Advancing SOFF
concept and design:
Working Groups
outputs

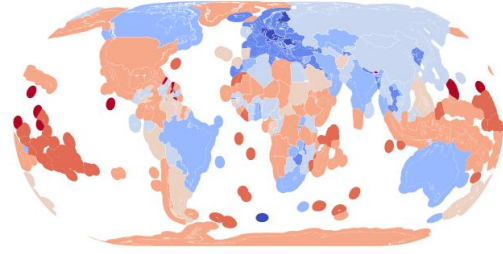
Aspirational launch of the
Facility at COP26



Finalizing concept and
design and mobilizing
resources

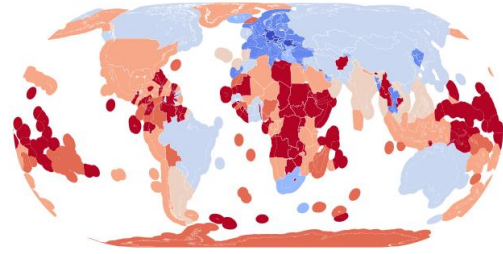
SOFF Working Group 2: Initial GBON global gap analysis

Surface Baseline Horizontal Resolution by Country, including EEZ



Stations in OSCAR/Surface supposed to report in Jan 2020

Surface Reporting Horizontal Resolution by Country, including EEZ



Stations reporting 30% of GBON requirements at least 60% of the times in Jan 2020

Microsoft Excel interface showing a data table and three charts.

WMO Region	Number of upgraded stations	Number of new stations
1	447	462
2	98	67
3	182	132
4	86	335
5	165	774
6	14	104
7	66	439
Grand Total	1058	2313

WMO Region	Number of upgraded stations	Number of new stations
1	16	179
2	6	51
3	10	77
4	5	75
5	18	177
6	9	44
7	3	74
Grand Total	67	677

Income Group	Number of upgraded stations	Number of new stations
High income	135	975
Low income	215	198
Lower middle income	354	380
Upper middle income	287	308
(blank)	67	452
Grand Total	1058	2313

4. Opportunities – Development Partnership Flagship Initiatives & CDP tasks

Capacity Development Panel ToR:

(I) **Identify policy-related gaps in the capacity of NMHSs** to exchange data, to deliver adequate services, to comply with WMO Standards and recommended practices

(II) **Provide guidance and oversight regarding WMO efforts to strengthen assistance to the NMHSs of developing countries**

(V) **Oversee and guide the implementation of the tasks of the Executive Council according to Resolution 74 (Cg-18)**

(VII) **Provide reports and recommendations on WMO capacity development to the Policy Advisory and Technical Coordination Committees for consideration by the EC.**

4. Opportunities – Development Partnership Flagship Initiatives & CDP tasks

- **Support CDP**–Country Hydromet Diagnostics will identify NMHS capacity gaps through NMHS peer-review and guide Alliance members' investments that will support CDP work
- **Inform CDP**–In collaboration with the members of the Alliance for Hydromet Development and through the Alliance Hydromet Gap Report, regular reports will be made available on progress and lessons learned on closing the capacity gap through Development Partnerships flagship initiatives
- **Ask CDP** – CDP to consider foundational role of WMO Development Partnerships flagship initiatives for its work, including for the review of the Capacity Development Strategy