

ASSOCIATED PROGRAMME ON FLOOD MANAGEMENT



REPORT of the SUPPORT BASE PARTNERS FORUM

26 August 2022

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Acronyms

ADPC	Asian Disaster Preparedness Center
AfDB	African Development Bank
APFM	Associated Programme on Flood Management
CBFM	Community Based Flood Management
CHy	WMO Technical Commission for Hydrology
CIFDP	Coastal Inundation Forecasting Demonstration Project
CIMA	Centro Internazionale in Monitoraggio Ambientale
DHI	Danish Hydraulic Institute
DRR	Disaster Risk Reduction
E2E-EWS-FF	End-to-End Early Warning System for Flood Forecasting

EWS	Early Warning System
FFGS	Flash Flood Guidance System
FFI	Flood Forecasting Initiative
FM	Flood Management
GCF	Green Climate Fund
GFCS	Global Framework for Climate Services
GHSF	Global Hydrometry Support Facility – (a.k.a. HydroHub)
GWP	Global Water Partnership
GWP-WAF	Global Water Partnership West Africa
ICHARM	International Centre for Water Hazard and Risk Management
IDMP	Integrated Drought Management Programme
IFM	Integrated Flood Management
IGAD-HYCOS	Eastern Africa Hydrological Cycle Observing System
IRHA	International Rainwater Harvesting Alliance
IWRM	Integrated Water Resources Management
NGO	Non-Governmental Organization
NHSs	National Hydrological Services
NMHSs	National Meteorological and Hydrological Services
PAC	Project Advisory Committee (for VFDM Project)
PEARL	Preparing for Extreme And Rare events in coastal regions
SBPs	Support Base Partners
SDGs	Sustainable Development Goals
SWFDP	Severe Weather Forecasting Demonstration Project
TSU	Technical Support Unit
TUD	Technische Universität Dresden

VBA	Volta Basin Authority
VFDM	Volta Flood and Drought Management project
WACDEP	Water, Climate and Development Programme
WHOS	WMO Hydrological Observing System
WMO	World Meteorological Organization
WYN	Water Youth Network

Support Base Partners Forum

1. Context

The APFM Technical Support Unit (TSU) organized the Support Base Partners Forum in 2022 as hybrid meeting at GWP's headquarter in Stockholm adjunct the Stockholm World Water and together with the Annual meetings of the Integrated Drought Management Programme Meetings.

After two years of completely virtual events due to the COVID-19 pandemic the hybrid meeting allowed the partners to interact again in more depth. During the meeting, the progress achieved by the APFM during the reporting period 2021-2022, the lessons learned through implementing the new APFM Business Model and the way forward were presented and discussed.

Link to the presentation: [Final draft APFM SBP Annual SBP forum2022 - presentation RT.pptx](#)

Summary of follow-up actions

Activities	Follow-up actions or next steps by APFM TSU/SBPs
APFM Business model	TSU to continue exploring new avenues for project proposal submission including the Green Climate Fund, Adaptation Fund and through the CREWS financing pipeline
Volta Project	TSU to continue providing updates and connect projects to other activities of partners
IFM Help Desk	TSU to continue efforts in expanding the APFM and IDMP HelpDesks towards informing IWRM
Competition	TSU to establish again a youth competition jointly with IDMP and WYN
Social Inclusion	TSU to continue strengthening the work on gender and social inclusion in regard of floods
3-year strategy/workplan	TSU to prepare 3-year strategy/workplan based on discussions
APFM LoE	TSU to follow up with remaining SBPs to sign the new LoE

2. Opening

The Annual Support Base Partners Forum of the Associated Programme on Flood Management (APFM) was held on 26 August 2022 as hybrid event that allowed online participation from SBPs that could not join physically as well also.

The Meeting was chaired by Mr Ian Lisk, President of WMO's Commission for Weather, Climate, Water and Related Environmental Services & Applications (SERCOM). The beginning of the meeting was accompanied by members of the Youth for Water and Climate (YWC) who were present in the GWP offices at the same time.

The meeting was opened by opening remarks from Mr Dario Soto Abril, Executive Secretary of GWP, and Hwirin Kim, Head, Hydrological and Water Resources Services Division (HWR). Mr Soto-Abril welcomed all participants in the office and online and underlined the urgency and importance of APFM's work given the aggravating situation under Climate Change. Hwirin Kim specifically highlighted the importance of youth as key driver for necessary changes and specifically welcomed the attendance of the YMC members, inviting them to contribute to the programme. Both speakers congratulated the programme for its 20th anniversary, highlighting that progress in regard of integrated flood management has been made with a great contribution of APFM. Despite the progress, the implementation is still lacking behind in many countries and Climate Change is aggravating the situation. Both speakers underlined the openness of the programme for other partners to contribute under the umbrella of the APFM with their expertise in flood management and recognized the success of this open model, which makes the programme resilient against upcoming challenges.

After the opening, all participants including the YMC members introduced themselves and Rianna Gonzalez, GWP's coordinator for Youth activities introduced the YMC programme.

Adoption of the Agenda:

The tentative agenda was proposed, and no concerns were raised. As such, the Committee adopted the agenda (Annex I) without any amendments.

3. Update on the APFM activities

Link to presentation:

Ramesh Tripathi, member of the APFM TSU presented the APFM activities after last virtual meeting in October 2021. He explained highlights in regard of 20th anniversary, new members, communication and other updates and thanked all partners for the valuable contribution to the program.

20th Anniversary:

Ramesh Tripathi explained that APFM continues to celebrate its 20th anniversary. Together with the partner Zoï Environment Network has been contracted and has implemented in the past year its new communication strategy and prepared outreach material.

Institutional Development

The work programme of APFM is linked to the Hydrology Action Plan of WMO and within WMO, the TSU is part of the regular budget and activities. It is supporting the WMO long-term

ambitions of hydrology, specifically the Activity 7 of the Standing Committee on Hydrological Services (SC-HYD) “No one is surprised by a flood”. Ramesh Tripathi also informed that the TSU presented the APFM program and advisory services to the members of the WMO Flood Forecasting Initiative - Advisory Group (FFI-AG) during mid-December 2021 and SC-HYD members during May 2022 to raise more internal awareness for the programme within WMO. Ramesh Tripathi reminded members also on the updates of the trilateral Letters of Engagement (LoE) of partners with WMO and GWP which need to be revised to better reflect the WMO Constituent Bodies and the Secretariat reform.

He also mentioned that it is now possible to have a joint LoE for APFM and its sister programme IDMP.

Business Model

Ramesh Tripathi provided a short overview on the lessons learned through implementing the APFM Business Model. APFM continues to provide Expert Services to member states of WMO, financial institutions like Interamerican Development bank and World Bank as well as other WMO initiatives like Climate Risk and Early Warning Systems (CREWS). In addition is the TSU exploring new avenues for project proposal submission including the Green Climate Fund, Adaptation Fund and through the CREWS financing pipeline.

Implementation of the Volta Basin Flood and Drought Project activities and roles of SBPs

Ramesh Tripathi as project manager of the Volta Basin Flood and Drought Project (VBFDP) reported on progress of the project during the past year. It includes many of APFM's partners and the objectives are to improve flood and drought management strategies/plans at regional, national and local levels. Implementation of second year activities were delayed and are still on-going together with third year activities due to the global Covid-19 Pandemic situation. The APFM TSU is collaborating with some of the SBPs for implementing specific activities of the second and third year and the mid-term evaluation (MTE) was successfully completed and approved by the Adaptation Fund.

Discussion around the implementation included stakeholder engagement through youth and sustainability on monitoring infrastructure through private sector.

Integrated Flood Management HelpDesk

In the reporting period September 2021-July 2022 the TSU received 46 requests which is a plus of 15% compared to the average. Most requests were rapid guidance and the most institutions that requested support were International Organizations.

Resource Mobilization and Outreach

Raising funding to scale up activities is a goal of APFM. Therefore the TSU has started an initiative to organize and attend appropriate events and conferences where its available resources and expertise can be presented to the wider audience. The goal is to identifying new avenues for partnerships for APFM to acquire more resources for implementation of support in IFM.

Social inclusion has become an important field of work for APFM especially in regard of last mile awareness, warning, and response capacity. A gender mainstreaming webinar to

celebrate International Women's Day 2022 was held and side events during III-MHEWS conference in Bali.

Another important update was on the very successful youth competition held by APFM and IDMP. 10 proposals have been shortlisted and the final winners were projects from Tanzania and Papua, Indonesia. It was decided to continue these efforts for the next year and establish the competition as a brand.

Project preparation and implementation

The following activities were presented and discussed during the forum:

- Implementation of CBFM activities under CREWS Cambodia and Lao PDR (August 2022 – July 2023)
- Implementation of CBFM activities under CREWS Caribbean including gender mainstreaming workshop (April 2022- November 2022)
- TSU is supporting the development of the WMO HydroSOS project in the Ganga Brahmaputra Meghna (GBM) Region
- Exploring opportunities in Panama and Costa Rica to implement IFM and IDM concepts
- Lake Chad concept note was submitted and approved in July 2022 by the Adaptation Fund

Several project ideas are currently developed and have been discussed with the partners:

- As the APFM will be organizing a side-event during the WMO SERCOM-2 on 18th October 2022 highlighting available tools, activities implemented, IFM HelpDesk for wider usage
- VFDM Project Implementation (PM based in WMO, Executing partners GWP-WA and VBA, and some of the SBPs) planned between August 2022 to August 2023 and beyond.
- CBFM activities implementation in Malawi and Central America (October 2022- August 2023) under the framework of FFGS project
- Identify new opportunities focusing on E2E-EWS-FF (Integrated Flood and Drought management in general) to develop new project proposals through WMO initiatives, GWP (RWPs and CWPs), and the SBPs.

Letters of Engagement

In order to align with the new business model of APFM, Ramesh Tripathi explained the TSU continues to renew the Letters of Engagement (LoE) with SBP and several have been renewed during this period, specifying the areas for collaboration but there are still outstanding LoEs.

Other Updates:

Specific need to develop knowledge products around an assessment matrix as well as socio-economic benefit analysis have been presented and discussed. In this area the TSU is seeking interested partners to co-develop knowledge products to guide the community for these topics:

- Explore and discuss with interested SBPs to support for developing on-line tool on the matrix for the Guidelines on the Assessment of National needs and capabilities in end-to-end early warning systems for flood forecasting (WMO No. 1286) and

- Cost-Benefit Analysis for flood forecasting, EWS and IFM

Hans Guttman, Executive Director of the Asian Disaster Preparedness Center (ADPC) expressed interest in collaborating on socio-economic benefits amongst other partners.

4. Implementation of the Volta Basin Flood and Drought Project activities and roles of SBPs

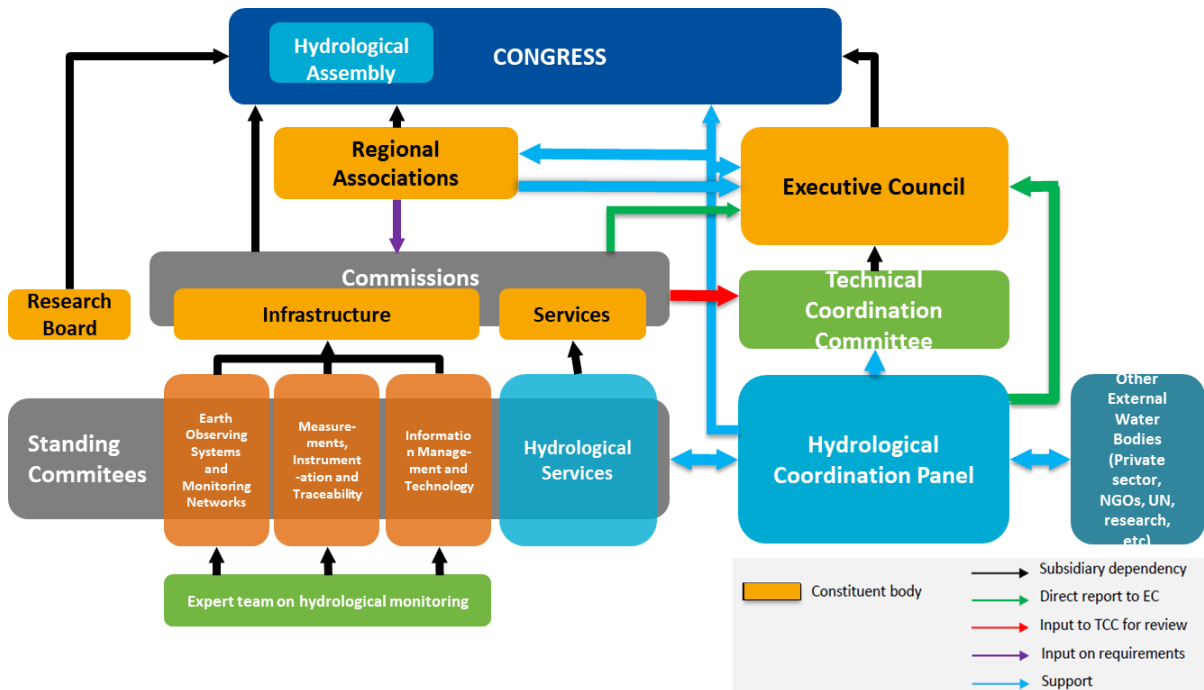
Link to presentation

Ramesh Tripathi, staff of the APFM TSU and programme manager of the Volta Basin Flood and Drought Project (VBFDP) reported on progress of the project during the past year. It includes many of APFM partners and the objectives are to improve flood and drought management strategies/plans at regional, national and local levels. Due to Covid-19, the implementation is delayed and the objectives of year 2 and 3 are achieved.

After the presentation, there was a short discussion on the challenge to reach people in the communities in the current pandemic context and how important these activities are. Another discussion point was the risk map development and how it is connected with the capacity building efforts.

5. Update on APFM Institutional arrangements and role of SBPs

The new structure of hydrology within WMO was presented by Giacomo Teruggi during the meeting as in Figure 1.



1 WMO structure for hydrology

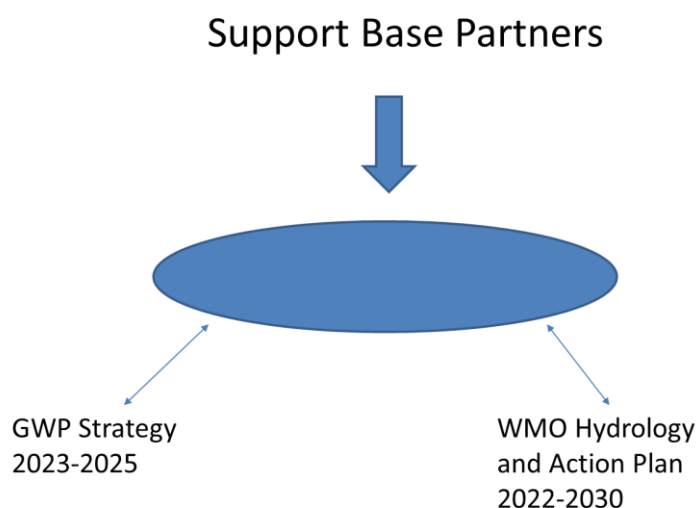
The Standing Committee on Hydrological Services (SC-HYD) is composed of 18 technical experts, including the Chair (Dr Yuri Simonov) and Vice-chair (Eng. Marcelo Uriburu Quirno)

The SC-HYD has come up during its first two meetings with a detailed workplan, covering 13 different activities (updated recently during the last SC-HYD meeting) linking with the deliverables of SERCOM. The work of SC-HYD is supported by the Secretariat of WMO through the Hydrology and Water Resources Services division (which includes APFM TSU). This work includes the support of the APFM and IFM in general. There are several direct linkages between SC-HYD and APFM:

- SC-HYD tools or products could be used by SBPs partners during implementation of the projects or capacity development activities
- SBPs could contribute to the work of SC-HYD as an expert mainly reviewing the reports or tools under development
- SBPs are requested to be part of the Community-of-Practice on E2E-EWS-FF sharing their expertise, products or tools which will be made available to users or donors
- SBPs are invited to join the WMO Call for Research Proposals for Hydrology (closing on 30 September 2022)

6. Update on APFM Institutional arrangements and role of SBPs

Giacomo Teruggi introduced the plans for a new 3-year strategy of APFM which was then discussed with all participants. It is based on input from partners during previous virtual forums of APFM. The activities led by WMO are reflected in the WMO Hydrology Action plan and from GWP's three-year business plan (2023-2025). All partners were encouraged to contribute to the establishment of the strategy since it is an open process.



During the discussion specific inputs on the strategy were made:

- Include catalogue of services
- Link to IDMP
- Provide Space for partners
- Not more than 5-6 pages, rather an overall framework than action plan

The goal is to present the strategy to the WMO Congress in WMO 2023 (22 May - 2 June).

6. Any other business

- Hans Guttman (ADPC) proposed joint activities in Turkey, Iran for APFM partners.
- Harald Köthe (BafG, Germany) introduced an initiative on data and collaboration of 14 countries in the Middle East and Centrals and Southern Asia. It was suggested to add Iraq to the group.
- Firas Aljanabi. Coordinator of the Global Water and Climate Adaptation Centre (ABCD) in Aachen, Germany, presented the newly established center and collaboration with several APFM partners were discussed.
- Gabriele Quinti from Knowledge and Innovation suggested to update several of the APFM guidelines since they are outdated and offered collaboration. He will contact the TSU on specific publications on jointly identify funding sources and update publications

7. Closing of the meeting

The chair wrapped the session up and explained that there was still an opportunity to comment on the annual report until end October. In regard of the next bi-annual SBPs virtual forum, the participants agreed tentatively on March 2023.

ANNEX I - List of Participants

Organization	Name	Title
IHE Delft	Biswa Bhattacharya	Associate Professor of Hydroinformatics
Knowledge and Innovation	Gabriele Quinti	Director
Technische Universität Dresden	Firas Aljanabi	Senior Scientific Coordinator
ICHARM	Mamoru Miyamoto	Researcher and Executive Manager of IFI Secretariat Associate Professor, National Graduate Institute for Policy Studies (GRIPS)
CIMA Research Foundation	Marco Massabo	Program Director
DHI	Chengzi Chew	Business Development Manager - Emerging Technologies

GWP	Gergana Majercakova	Senior Learning Specialist
Asian Disaster Preparedness Center (ADPC)	Hans Guttman	Executive Director
UNOSAT United Nations Institute for Training and Research (UNITAR)	Luca Dell'Oro	Head Disaster Risk Reduction, Disaster Mapping and Climate Services
WMO Hydrological Coordination Panel and Standing Committee on Hydrology	Marcelo Uriburu Quirno	
GWP	Darío Soto Abril	CEO
GWP	Rianna Gonzales	Youth Engagement Specialist
GWP	Valentin Aich	Senior Water and Climate Specialist
WMO	Giacomo Teruggi	Technical Support Unit
WMO	Ramesh Tripathi	Technical Support Unit

GWP WA	Armand Houanye	Regional Coordinator
WMO	Hwirin Kim	Head of the Hydrological and Water Resources division and overseeing the activities of APFM
Water Youth Network	Pem Erica Marie Yvonne	APFM volunteer
Water Youth Network	Alexia Calvel	APFM volunteer
People in Need	Laube Lukáš	Cambodia Country Director
UNECE	Hanna Plotnykova	Environmental Affairs Officer
People in Need	Smutný Jakub	Head of Programs
SMHI	Jafet Anderson	Senrio researcher

Waterframes	Jos Timmerman	Owner
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ANNEX II - Agenda

Provisional Agenda for the Annual Hybrid APFM SBPs virtual Forum

Date and Time: 26th August 2022 09:00 am - 12:00 pm CEST

Virtual participation through Teams meeting [Click here to join the meeting](#)

Chair/moderator of the meeting: Mr Ian Lisk, President, WMO SERCOM

Time	Activities
09:00-09:30 (0:30h)	Meet and Greet of APFM partners and Youth for Water and Climate (YWC) (only physical, not online)
09:30– 09:40 (0:10 h)	Opening and welcome Dario Soto-Abril, Executive Secretary, GWPO Hwirin Kim, Head, HWR, WMO Adoption of agenda
09:40–09:55(0:15 h)	Introduction of participants, online and virtual
09:55– 10:10 (0:15 h)	1. Update on the APFM activities
10:10– 10:25 (0:15 h)	2. Discussion on the progress of APFM activities
10:25– 10:45 (0:20 h)	3. Implementation of the Volta Basin Flood and Drought Project activities and roles of SBPs Way Forward Q&A session
10:45– 11:30 (0:45 h)	4. Role of SBPs in the WMO CoP on E2E-EWS-FF
11:30-12:30 (01:00 h)	5. APFM implementation strategy for the next 3 years (project proposal development, enhancing linkage from forecasters and last mile connectivity, capacity development) or new project Ideas from the SBPs
12:30 – 12:45 (0:15 h)	6) Concluding remarks from the moderator and discussion on the date for the next SBPs forum
13:30-15:00 (1:30h)	Joint session of APFM and IDMP programmes

18:15 onwards	Joint Reception from the APFM (20th Anniversary) and IDMP (10th Anniversary)
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