



Our ref.: 00673/2023/S/HWC/SERCOM-2

16 January 2023

Subject: Invite members to follow up on SERCOM-2 resolution on a) Case studies on Common Alerting Protocol for hydrological hazards, b) Contributions to the Water Resources Assessment Portal, and c) Inventory of models and platforms for flood forecasting

Dear Sir/Madam,

As you may be aware, the WMO Commission for Weather, Climate, Water and Related Environmental Services and Applications (SERCOM) met for its second session in Geneva, from 17 to 21 October 2022.

One of the Resolutions adopted (Resolution 5.7/1 (SERCOM-2) - Hydrological Services) invites SERCOM Members:

1. To contribute to the collection of case studies on the application of CAP hydrology
2. To enrich the Water Resources Assessments web portal with additional tools and guidance material
3. To bring to the attention of SC-HYD additional models and platforms corresponding to the criteria listed in the report on Interoperable Models and Platforms for use in flood forecasting and early warning systems.

A brief description of each deliverable and modalities for submission of input are provided below:

- a) Case Studies on the application of Common Alerting Protocols (CAP) to hydrological hazards: following up on [Resolution 7 \(SERCOM-1\)](#) - on the implementation of the Common Alerting Protocol for Hydrology, case studies describing the experience of those countries that have applied CAP to hydrological hazards are to be submitted according to the template available at [this link](#).
- b) [Water resources Assessment Portal](#): the portal collects a considerable amount of guidance material and tools for water resources assessment. SERCOM members are invited to share relevant "how-to" tools and case studies on water resources assessments to complement the web portal. There is no mandatory template to submit input to this deliverable.

To: Hydrological Advisers (limited distribution)

CC: Regional Hydrological Advisers

- c) Inventory of models and platforms for flood forecasting: The objective of the Community of Practice (CoP) is to provide access to interoperable technologies for flood forecasting, including platforms and models, training, and guidance material, and provide a hub for exchange of experiences among practitioners. An inventory of models has been developed, based on the criteria included in the [report on Interoperable Models and Platforms for use in flood forecasting and early warning systems](#). The inventory has been populated based on the results of the Hydrology Survey carried out in 2019–2021, but only a limited number of models and platforms corresponding to the selection criteria were identified. SERCOM Members are invited to complement the existing inventory with additional models and platforms according to the templates available for download at this [webpage](#).

You are cordially invited to submit your inputs according to the above templates by submitting them to the address hydrology@wmo.int. Kindly provide name and e-mail of the focal points of your Institution to be contacted in case of additional questions regarding each of your inputs.

With the contributions from Members to these activities, we hope to build up on the available information regarding hydrological matters in the WMO community.

Yours faithfully,



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