



Our ref.: 04018/2022/DSG/W/HydroHub

22 February 2022

Annex: 1 (in English only)

Subject: Distance Learning Course “Interoperable Data Exchange in Hydrology”  
21 March - 29 April 2022

Dear Sir/Madam,

I am pleased to inform you that the World Meteorological Organization (WMO) and the COMET® Program are organizing the first Distance Learning Course “Interoperable Data Exchange in Hydrology” from 21 March to 29 April 2022. The course is in English only and is aimed to: (1) raise awareness regarding the importance of international exchange, use and reuse of hydrological data; (2) address gaps in the knowledge and technical expertise related to data sharing; and (3) introduce and describe the functionalities and implementation processes of the [WMO Hydrological Observing System \(WHOS\)](#).

Upon completion of this course, participants will be able to:

- Recognize the benefits of hydrological data exchange
- Describe the roles of the data provider and data user in data exchange (including data and metadata management, data publication, data discovery and access)
- Explain the basics of data interoperability and the brokering approach
- Describe the WHOS architecture, functionalities and implementation processes

The course will be centred upon [13 required distance learning lessons](#) developed by WMO and COMET and structured in four modules. Students will be required to complete four online quizzes, one after completing each module.

The course will also include one optional live webinar to be attended via Zoom at the start of the course, as well as weekly online communications with course instructors and fellow students. The live sessions and online communication will allow students to ask questions, share their regional issues and experiences, and learn more deeply by discussing the course content with their peers and the instructors.

In addition to mastering the course content, students will be required to complete a final assignment comprising of five short activities. Successfully completing the course assignment and the online quizzes for each module will earn the students a certificate of completion.

To: Hydrological Advisers of Members with WMO

cc: Permanent Representatives of Members with WMO

It is estimated that the dedication needed to successfully complete this course is a total of 36 to 48 hours, or an average of about six to eight hours a week. Supervisors of participants should be encouraged to release them of work responsibilities during those hours.

Taking into account that the topic of the course and its lessons cover various areas of expertise (from hydrology to IT) as well as the importance of enhancing mutual understanding of data exchange aspects among hydrologists and IT experts, I would appreciate it if you could nominate two candidates from the same institution to participate in this course: one hydrologist (preferably with some experience in data sharing) and one IT expert (preferably with the experience in hydrological data management). If accepted, the two candidates will be expected to form a team and complete the course modules and final assignment jointly in close collaboration, supporting each other in understanding related content.

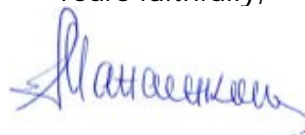
Please take into account that the number of available places is limited, as there will only be three instructors answering questions from the students and reviewing their exercises on a continuous basis. However, should you wish to nominate more than one team, you are welcome to do so indicating their order of priority, and we will take them into consideration should additional places become available.

I would be grateful if you would kindly send your nominations at your earliest convenience, but not later than **10 March 2022**, to give us sufficient time to send to the accepted participants the relevant course material before the opening date. Please send one Nomination Form (see Annex) duly filled in for each candidate to Mr Igor Chernov ([ichernov@wmo.int](mailto:ichernov@wmo.int)) with a copy to Ms Françoise Fol ([ffol@wmo.int](mailto:ffol@wmo.int)).

Accepted candidates will be contacted directly with additional instructions related to the course.

I am confident that you will find this activity extremely interesting in improving the hydrological data exchange skills of the hydrologists and IT experts from your country.

Yours faithfully,



Dr Elena Manaenkova  
for the Secretary-General



WORLD  
METEOROLOGICAL  
ORGANIZATION



## DISTANCE LEARNING COURSE “Interoperable Data Exchange in Hydrology”

21 March to 29 April 2022

### PARTICIPANTS NOMINATION FORM

Ref.: 04020/2022-1.1 DS6

**Instructions:** Please (1) save this form on your computer (please do not fill the form online), (2) fill it in by typing information directly into the document, (3) save the completed form and (4) send it as an attachment to Mr Igor Chernov ([ichernov@wmo.int](mailto:ichernov@wmo.int)) with copy to Ms Françoise Fol ([ffol@wmo.int](mailto:ffol@wmo.int)).

*Should you encounter any issues in completing it, please contact [ichernov@wmo.int](mailto:ichernov@wmo.int).*

The Permanent Representative / Hydrological Adviser of

with WMO nominates the following team to participate in the above course:

#### First candidate – Hydrologist (preferably with some experience in data sharing)

Family name:

First name:

Gender:

Male ☐ Female ☐

Organization:

E-mail:

Telephone:

#### Second candidate – IT expert (preferably with the experience in hydrological data management)

Family name:

First name:

Gender:

Male ☐ Female ☐

Organization:

E-mail:

Telephone: