

# JCP Newsletter

## March, 2021

This is the 6th Newsletter of the Joint Cooperation Programme Bangladesh – the Netherlands. JCP is an applied research programme, contributing to new knowledge supporting adaptive water management in Bangladesh and the implementation of the Bangladesh Delta Plan 2100

### JCP in 1st GOBESHONA Global Conference

**JOINT COOPERATION PROGRAMME**  
BANGLADESH - THE NETHERLANDS

Join us! Register (free) via <http://conference.gobeshona.net/>  
Contact: Sonia [sounees05@gmail.com](mailto:sounees05@gmail.com)

Gobeshona Global Conference 1  
Session D639: 23 January, 18-20 hrs BD time

**Making delta knowledge available for action**

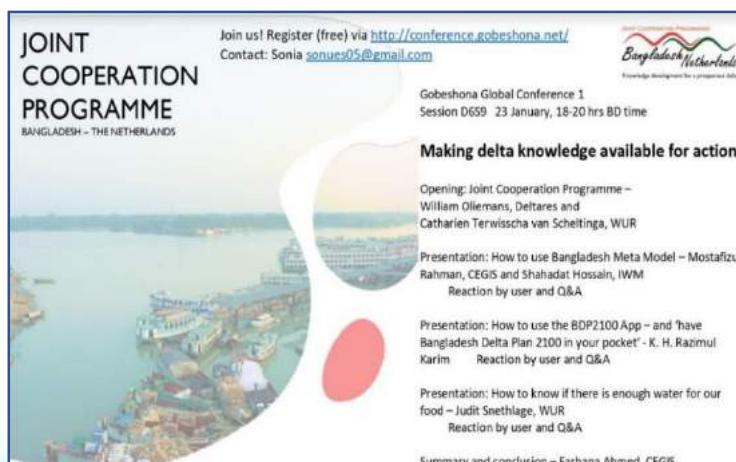
Opening: Joint Cooperation Programme – William Ollmann, Deltas and Catharina Terwisscha van Scheltinga, WUR

Presentation: How to use Bangladesh Meta Model – Mostafizur Rahman, CEGIS and Shahadat Hossain, IWM  
Reaction by user and Q&A

Presentation: How to use the BDP2100 App – and 'have Bangladesh Delta Plan 2100 in your pocket' - K. H. Razimul Karim Reaction by user and Q&A

Presentation: How to know if there is enough water for our food – Judit Snethlage, WUR  
Reaction by user and Q&A

Summary and conclusion – Farhana Ahmed, CEGIS



On 23<sup>rd</sup> February 2021, JCP, supported by the Gobeshona conference team, presented “Making delta knowledge available for action” in the 1st GOBESHONA Global Conference. Key messages from the JCP session:

1. Bangladesh Meta Model gives policy makers better understanding;
2. There is an app with all info on BDP2100 and you find it in the Google Play Store;
3. Research on the current and future water-food nexus helps the Agriculture Department (DAE)

In the session Md Shahadat Hossain and Md Mostafizur Rahman showed how Bangladesh Meta Model allows government to assess project proposals - which will ensure better planning. Engineer Giasuddin Ahmed Choudhury from SIBDP, as a key user, indicated that 'with the BMM, water resource policy makers have a better understanding'. From the Information for Impact subproject K.H. Razimul Karim showed how the knowledge information app is to making the Bangladesh Delta Plan information accessible to a wide range of users to facilitate information and knowledge services using smartphone. The app is available in Google Play store ([to download: click here](#))

Judit Snethlage showed how water and crop related modelling gives information on the current and future water-food nexus, where the main question is 'will we have enough water to provide our food in the future, taking climate change and development into account?' Dr. Md. Akram Hossain Chowdhury from DAE indicated in his feedback that 'we need to integrate bottlenecks and trade-offs, to come to area specific water demands'.



#### In this Newsletter

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JCP Work Shop/ Meeting from Clean & safe Water for Dhaka city

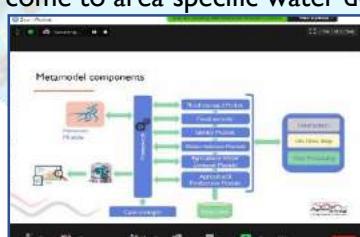
Workshop on the knowledge app business model

Old Brahmaputra: Go With Flow Progress Meeting

JCP Senior Management Team (SMT) meeting

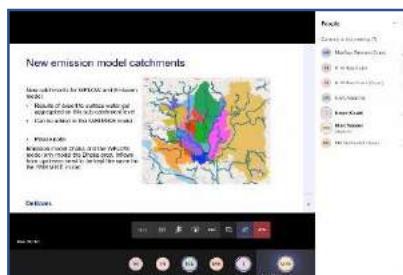
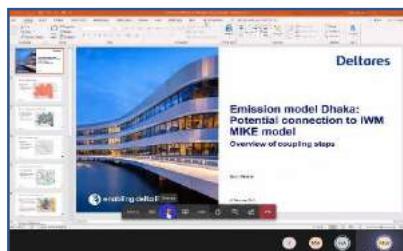
JCP in ICWFM8

Upcoming Events



## JCP Work Shop/ Meeting from Clean & safe Water for Dhaka city

In Subproject "Clean and Safe Water for Dhaka City" the key objective is to develop a monitoring system for the water in the rivers around Dhaka. They already completed the development of the D-Emission model. On 16/02/2021 there was an on-line discussion meeting for find a suitable format for data transfer from the D-emission model to the MIKE 11 water quality model. In this way, the D-emission model, which calculates pollution load, can be linked to a hydrological model like MIKE 11, and give further information. Participants from IWM, CEGIS, Hans Aalderink and Marc Webber joined the very fruitful meeting. It is estimated that data transfer will be completed by half March. And the next step will be model calibration.



## Sustaining knowledge development: Workshop to develop 'the business model' of the knowledge app

The JCP "Information for Impact" subproject organized 2 workshops on the knowledge app business model. For the App to be viable and run sustainably, revenue models for the app and necessary agreements and plans for action need to be developed. Colleagues of WUR, CEGIS, IWM actively engaged in the workshop. They discussed in sub groups about advertising possibilities, paid functionality and responsibilities and agreements to be made. Jaclyn Bolt, expert business development from Wageningen Environmental Research guided the participants in the workshop. A Miro board was used during the group work, enabling participants to share their suggestions and create jointly formulated solutions

## “Old Brahmaputra: Go With Flow Progress Meeting”

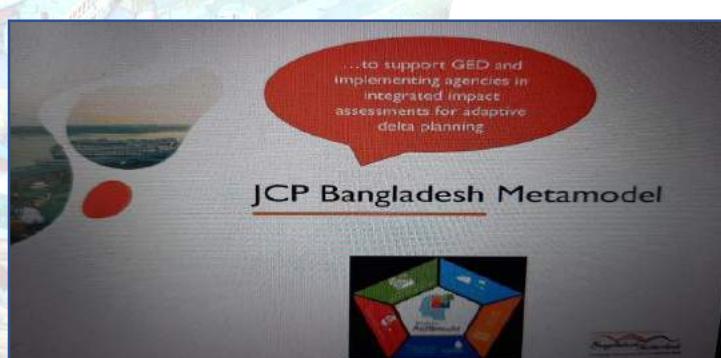


In February 2021, a progress meeting was held from the sub-project “Old Brahmaputra: Go with Flow” under the JCP program. The main agenda of the meeting was to share the progress of the team members. Concerned team members from IWM, CEGIS and Deltares attended the meeting online through Microsoft Teams meeting platform. According to the discussion they made, understanding of the geo-morphological development of the Jamuna and Old Brahmaputra is already established and they are promised to make a technical note by the mid of March 2021. In addition, the model for this study is setup and it is in the calibration phase. They are expecting to finalize the base model by the end of March 2021. The meeting ended with a commitment that they would make a brain storming session very soon for identifying the eco-system services of the Old Brahmaputra River.

## JCP Senior Management Team (SMT) meeting

In its first meeting of 2021 on 3rd March, the Senior Management Team of JCP presented the progress of JCP projects, with special attention for the Bangladesh MetaModel project. Good results are there and the challenge with BMM is to follow up and make the model run, while at the same time coping with further questions already coming up (e.g. to include fisheries, ecological flow, sedimentation), and sustainability needs to be ensured.

The SMT approved 3 incubator projects, on Management of Aquifer Recharge (MAR), Innovative Char Development (Char) and Land Use Modelling (LUCK), providing innovative opportunities for expanding the JCP addressing further upcoming questions and involving new partners.



## JCP and Living Deltas Hub contribute to ICWFM8: Fit for purpose modelling



8<sup>th</sup>

International Conference on  
Water and Flood Management



The International Conference on Water and Flood Management is organized by the Institute of Water and Flood Management (IWFM) of Bangladesh University of Engineering and Technology (BUET) biennially since 2007. ICWFM 2021 is the 8th event. The 8th ICWFM will be held in a situation when the whole world is struggling to recover from the COVID-19 pandemic. The platform of this 8th event of ICWFM will be new. For the first time since its inception, the entire conference will be held in an online platform. From JCP we are going to contribute together with Living Deltas Hub to ICWFM8 with a double panel session on "Fit for Purpose Modeling". Like JCP, Living Deltas is a research program. It focusses on 3 major deltas in Asia: the Red River, the Mekong and the Ganges-Brahmaputra-Meghna. Its aim is to contribute to safeguarding delta futures through more resilient communities and sustainable development (<https://www.livingdeltas.org/>). Both JCP and LDH contribute to modelling improvement with a focus on the use of the models. That's how the topic of 'fit for purpose modelling' came up. In the sessions, we like to discuss the questions "what does it mean and what does it bring?". The session is on 30<sup>th</sup> of March 14.00 and 15.15 hrs BD time (to be confirmed).

The conference will be held 29-31 March 2021.

For registration – please liaise with the conference organizers: <https://iwfm.buet.ac.bd/site/iwfm/icwfm2021>

### Upcoming Events



- 101th Birthday of Bangabandhu Sheikh Mujibur Rahman (17th March)
- 50 year Bangladesh (26 March)
- A training on "Concept of App Development and Python Programming" as part of the sub project "Information for Impact" organized by WUR and CEGIS will be held in the last week of March or early April.
- September - First International Conference on the Bangladesh Delta Plan
- September/October – JCP seminar/ DWKD2021