

JCP Newsletter

OCTOBER, 2021

This is the 8th 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

Sharing webinar “Make it Real (Water Food Nexus)” project

A sharing webinar on the output of SWAP-WOFOST modelling in the context of Bangladesh was arranged on 22 June. The model helps to develop insight on the question ‘do we have enough water for our food in the future, under climate change’, and the partners in the Joint Cooperation Program and the Deltas under pressure project are working with the SWAP WOFOST model. In this 1 hour webinar the results were presented and reflected upon. Mohammad Mominul Hoque from the Department of Agricultural Extension (DAE) indicated the importance of time specific information for crop production and he also asked attention for crop changes, like the recent increase in area under sunflower cultivation. The team will incorporate the remarks and continue its work making the model operational and useful in the context of Bangladesh.



Progress on Bangladesh Metamodel

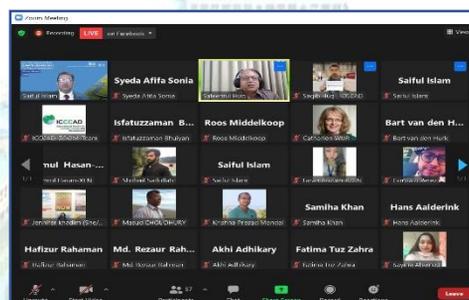
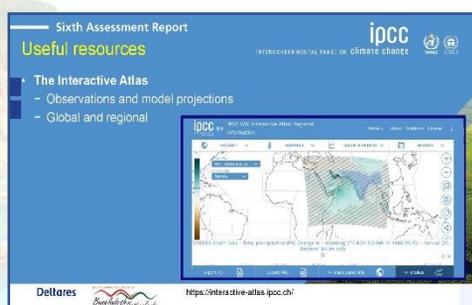
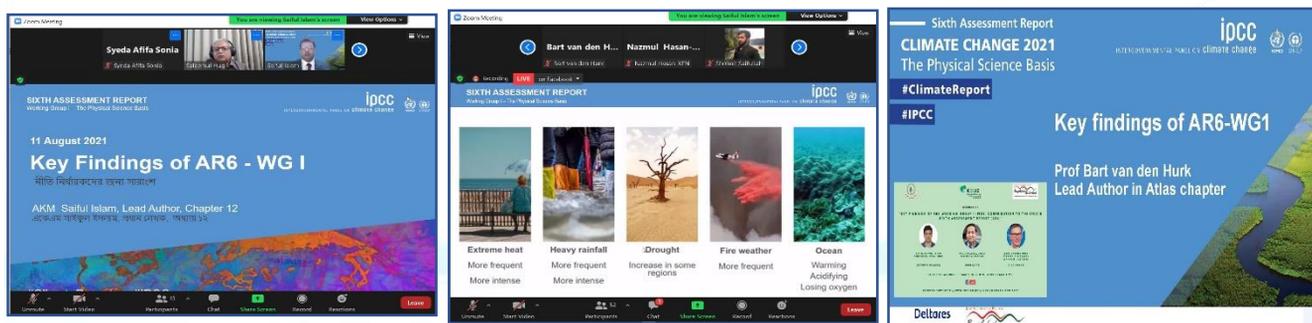
The main objective of the Bangladesh Metamodel is to support key stakeholders such as the General Economics Division, Ministry of Water Resources and others in investment planning for BDP2100, 5-year plans and annual plans. The Metamodel provides an integrated assessment of the impact of investment projects on indicators ranging from water shortage, to agricultural production, flood damage and food security. JCP Metamodel team completed Metamodel calibration and validation of results for the Northwest region and applied the Metamodel to assess the impact of a number of proposed projects for the Northwest to support the investment programming by the SIBDP project. The Metamodel consists now of modules for the River Network, Water Balance, Agriculture water demand, Agricultural production, Food security and Flood damage. Currently, JCP Metamodel team are working on salinity, fisheries and evaluation of environmental flows. In the coming time, training sessions on the practical use of the Metamodel are organized.

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Webinar on IPCC's Sixth Assessment Report

The Intergovernmental Panel on Climate Change (IPCC) was released its 6th Assessment Report (AR6) prepared by Working Group I on 9th August. On 11th August, 2021 ICCCAD, IUB, IPCC, BUET and JCP together arranged a webinar titled "Key findings of the Working Group I (WGI) contribution to the IPCC's Sixth Assessment Report (AR6)" with Dr. A.K.M Saiful Islam as the keynote speaker, Prof. Saleemul Huq as the moderator and Prof. Bart van den Hurk as the discussant.

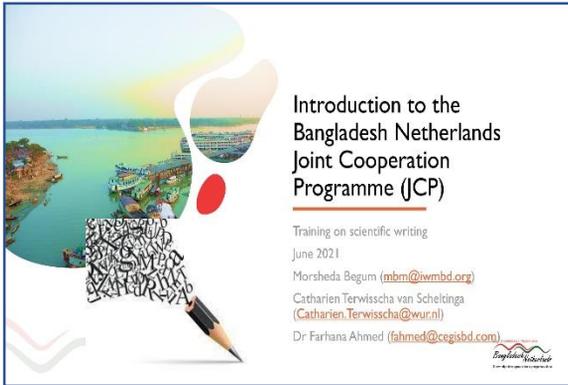
Prof Islam gave a presentation on the "Key Findings of AR6 - WG I. He showed in his presentation that climate change is already affecting every inhabited region across the globe, with human influence contributing too many observed changes in weather and climate extremes. He also mentioned that multiple climatic impact-drivers are projected to change in all regions of the world. Following up on the key-note speaker, Prof Bart van den Hurk mentioned that the global population has to make a clear choice about climate change. He discussed that low lying delta regions are particularly exposed to sea level rise, variable discharge, and high population density. He indicated that climate and hydrological dynamics may become less predictable. He showed the atlas with data at IPCC side available.



In the discussion, the point was raised that climate variability in Bangladesh is already high. As IPCC indicated that variability may change, we need to establish if and how variability in Bangladesh is changing. Overall, the need to collect data at local level, was stressed, also as global models do not always cover all particular climate aspects in Bangladesh. Further, the need to translate climate change information to useful knowledge to local people e.g. regarding agriculture and water management, was discussed.

Follow up will include a discussion with the embassy in light of climate change capacity needs, reporting back in the local newspapers regarding the IPCC findings and further fact finding research to clarify variability and other climate aspects in Bangladesh.

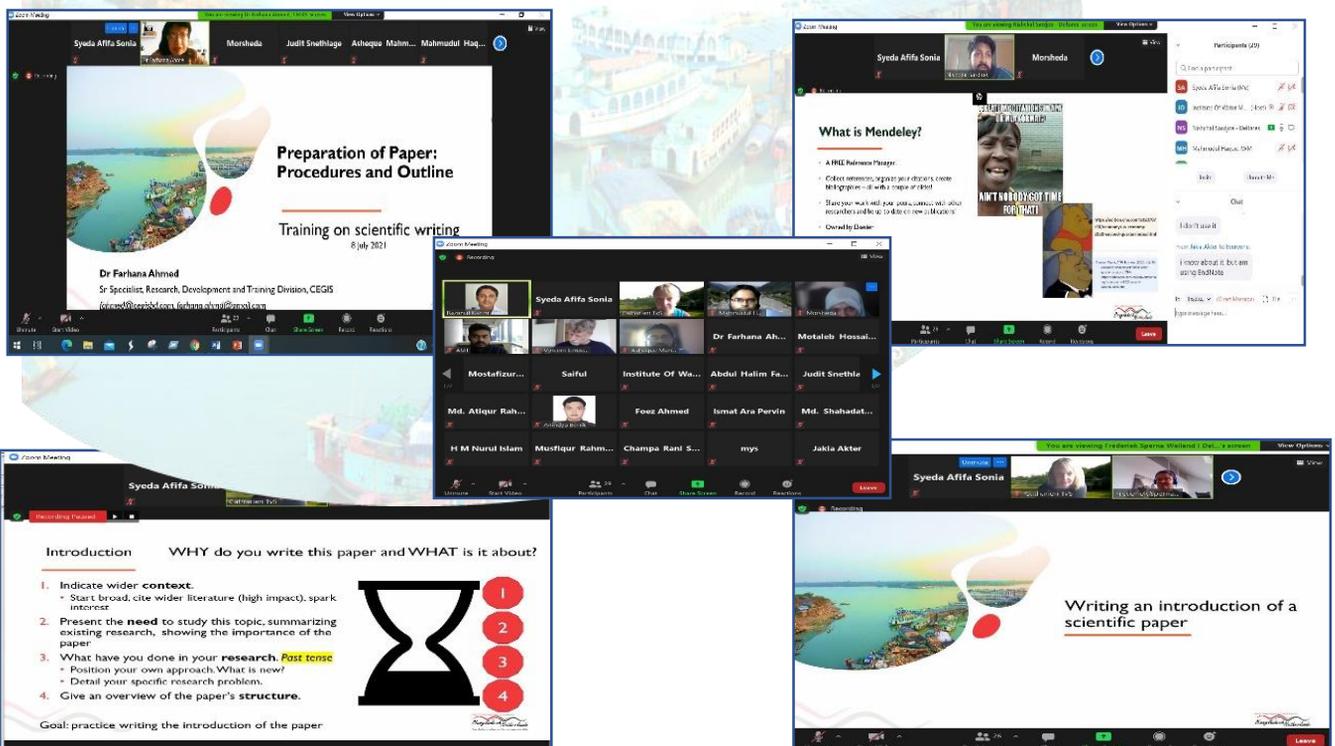
JCP Training on Scientific Writing



JCP is currently organizing a training on “Scientific Writing”. Goal of this training is to increase the skill of scientific writing and to achieve the goal trainers are systematically going through the process of how to write a journal article. This training is organized in 4 online sessions. The first 3 sessions of the training were already held on 8th and 12th July and 13th October 2021, and 1 later session will be held in October/November of this year. Staff from CEGIS, IWM, WUR and Deltares participate in this training. This training was needed because members of JCP team would like to get more experience in writing scientific articles. Main output will be an outline of a journal article

At 1st day of training Dr. Farhana Ahmed, CEGIS, gave a detail training on “Preparation of Paper: Procedures and Outline”. She briefly described the process of paper writing, types of journal papers, and common mistakes in paper writing. And Nishchal Sardjoe, Deltares, gave a demonstration on Mendeley. Mendeley is a free reference manager. He gave a brief description about use of Mendeley and how to use it.

On the 2nd day of the training Dr. Frederiek Sperna Weiland, Deltares, gave a lecture on “Writing an introduction of a scientific paper”. In his lecture she described the components of an introduction, steps in writing an introduction, and tips and tricks while writing an introduction. Then Catharien Terwisscha van Scheltinga, WUR gave a lecture on the preparation of the abstract. Using an example, she briefly described how an abstract in a scientific journal is written. Around 25 to 30 staff members are following up each session with group work (6 groups) to elaborate the outline, and preferably a full, journal article



Incubator projects: Managed aquifer recharge in the Barind region (MAR).

Within the JCP, an incubator fund has been reserved, as seed money to develop upcoming research questions into promising knowledge initiatives in support of the overall JCP knowledge and capacity development objectives.

3 incubator projects were selected this year based on that concept and one of the incubator projects is MAR - Managed aquifer recharge in the Barind region.

In the incubator project, research will be done to explore how aquifer recharge can take place in the Barind region.

In the 1st week of September, 2021 Ane Wiersma presented the JCP incubator project about Managed Aquifer Recharge in the Barind at the International Association of Hydrogeologists (IAH) 2021 congress in Brussels in a session about Managed Aquifer Recharge.



Mid Term Review

In September/October, the Mid Term Review of JCP is taking place. An expert team consisting of Jetze Heun, Prof Sabbir Khan and Mrs Shamsun Nahar will interact with knowledge clients of JCP and JCP researchers – to provide valuable suggestions and learnings. In the upcoming Annual Meeting (November) and Senior Management Team meeting (SMT, November) the results will be discussed. We will keep you posted.

Upcoming Events

November 2021	JCP Scientific Writing course (4th part)
November 2021	Annual meeting JCP
January 2022	JCP in Gobeshona Conference
February 2022	Bangladesh Delta Conference (tbc)