

This quarterly newsletter contains short messages, news and announcements, with the objective to share knowledge and experience related to adaptive delta management and the implementation of the Bangladesh Delta Plan. Initiated by Delta Alliance, DA actively cooperates with JCP, Delta Forum, Delta Research Initiative and UDW-Planning Toolkit and **welcomes other contributions**.

In this 3rd bulletin of year 3 you will find messages about various recent events and trainings and news on recent papers.

Thanks to all who contributed to this bulletin!

1. JCP Sharing meeting: Water for Food

Insights in modelling with SWAP-WOFOST in Bangladesh with Bangladesh were shared on 22 June. More information: JCP Facebook (add link)

2. Knowledge exchange symposium on controlled restored flooding

On 26th May an online seminar discussed the results of the Restored Flooding project. Information on the session, including 4 cases from Bangladesh, Vietnam, the Netherlands and California/USA, can be found at: <https://restoredflooding.sites.uu.nl/>

3. Nor'westers will be more destructive for crops under the changing climate. What can we do to adopt?

Newspaper article about a storm on April 4, 2021, that blew through Gopalganj, Kishoreganj, and Netrokona districts, causing, in 6 hrs, damage to over 68,123 hectares boro rice (DAE report). Rice panicles dried up due to the heat shock. ([link](#)).

4. Online defense

Recently, Shahnoor Hasan and Uthpal Kumar defended their thesis on (Making waves in the delta: transfer of Dutch delta expertise to Vietnam and Bangladesh) and (Bridging Science and Society: Tailor-made hydroclimatic information service with farmers in Lower Bengal Delta, Bangladesh) and. It can be seen online with this Link ([here](#)) and this link ([here](#))

5. New Delta Research Platform

Delta Research Initiative, a new research platform based in Khulna, has organized by a group of young researchers for more information ([link here](#)).

6. Recent papers

- From over to optimal irrigation in paddy production: what determines over-irrigation in Bangladesh? Md. Sariful Islam, Shamshunnahar Tumpa, Sonia Afrin, Md. Nasif Ahsan, Mohammed Ziaul Haider & Debasish Kumar Das. *Sustainable Water Resources Management* volume 7, Article number: 35 (2021). ([Link](#))
- Assessment of the Impacts of Spatial Water Resource Variability on Energy Planning in the Ganges River Basin under Climate Change Scenarios. Mitra, B.K.; Sharma, D.; Zhou, X.; Dasgupta, R. *Sustainability* 2021, 13, 7273. <https://doi.org/10.3390/su13137273>
- Assessment of river water–groundwater–seawater interactions in the coastal delta of Bangladesh based on hydrochemistry and salinity distribution. Roy, S.K., Zahid, A. *SN Appl. Sci.* 3, 411 (2021). ([Link](https://doi.org/10.1007/s42452-021-04389-8): <https://doi.org/10.1007/s42452-021-04389-8>)
- Spatial and seasonal variability of sediment accumulation potential through controlled flooding of the beels located in the polders of the Ganges-Brahmaputra-Meghna delta of Southwest Bangladesh
Md Feroz Islam, Hans Middelkoop, Paul P. Schot, Stefan C. Dekker, Jasper Griffioen *Hydrological Processes*, 2021
<https://doi.org/10.1002/hyp.14119>
- Md. Masidul Haque, Koichi Hoyanagi, Influences of sea level on depositional environment during the last 1000 years in the southwestern Bengal delta, Bangladesh, *The Holocene*, 31, 6, 915-925
<https://doi.org/10.1177/0959683621994671>
- Social vulnerability to environmental hazards in the Ganges-Brahmaputra-Meghna delta, India and Bangladesh, Shouvik Das, Sugata Hazra, Anisul Haque, Munsur Rahman, Robert J. Nicholls, Amit Ghosh, Tuhin Ghosh, Mashfiqus Salehin, Ricardo Safra de Campos, *International Journal of Disaster Risk Reduction*, 53, 2021,
<https://doi.org/10.1016/j.ijdrr.2020.101983>.



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7. Agenda

- 8 July, WaterApps/MOTA upscaling NWO projects sharing meeting
- 27 July, Delta Forum monthly online sharing meeting, 15-16 hrs BD time
- 2nd half August – AR6 and Bangladesh – Gobeshona/BUET/JCP
- Mid September MOOC Adaptive Delta Management by BUET (more info: sonia@iwfm.buet.ac.bd)
- 1-2 December, International Conference on Bangladesh Delta Plan 2100 (tbc)
- Coastal Water Convention, Khulna, Dec/Jan (tbc)
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