

**GWP [South Asia] 2014, Bangladesh**  
**Submission to GWP in Action 2014 Annual Report**

**Prepared by:** Saad Siddiqui, PEng. Principal Specialist & Head HRD, Institute of Water Modelling

**Date:** 25<sup>th</sup> June 2014                      **Training on “Building Capacity on Climate Change Adaptation”**

**Outcome**

**1. (Who or what changed? What is the significance of the change? “So what?”)**

The Institute of Water Modelling (IWM) organized a 5-day training program on “Building Capacity on Climate Change Adaptation” on behalf of Bangladesh Water Partnership (BWP). The training was held from 9<sup>th</sup> to 13<sup>th</sup> March 2014 at IWM training room in Mohakhali DOHS, Dhaka.

Climate change in nature is a subtle issue which goes largely unnoticed. Nevertheless the process is irreversible and would cause colossal damage to mankind, civilization and also to the nature itself. The only issue that can be done to reduce its effect is to mitigate anthropological processes that lead to the initiation of the process and develop mechanism for adaptation by the society which is affected due to its adverse affect.

Since Bangladesh is not responsible for any anthropological causes leading to climate change, it is imperative that there are no avenues for mitigation rather we should adopt measures to reduce its effect. However in doing so, various governmental & NGOs along with research bodies, academic institutions needs to be made educated on the issue. Hence requirement for building capacity of professionals on climate change adaptation arises at various levels which are felt essential at present stage.

In all 14 trainees participated in the program from different organizations including LGED, DPHE, BWDB, BARC, WARPO, DAE, NGO F, etc. Name, designation and contact numbers of the trainees is provided in a list provided in the table below:

SI No	Name of Participants	Designation & Organization	Contact Number & e-mail
1	Syeda Asma khatun	DPD, CCRIP; LGED	01819-159592 <a href="mailto:enr_asma1991@yahoo.com">enr_asma1991@yahoo.com</a>
2	Md. Ezaz Morshed Choudhary	Executive Engineer; LGED	01711-196735 <a href="mailto:mdazaz@lged.gov.bd">mdazaz@lged.gov.bd</a>
3	Bashir Ahmmed	Assistant Engineer; DPHE	01716-774215 <a href="mailto:bashir@dphe.gov.bd">bashir@dphe.gov.bd</a>
4	Zahir Shohel	Assistant Engineer; DPHE	01616-425341 <a href="mailto:zahirshohel@gmail.com">zahirshohel@gmail.com</a>
5	Arifuzzaman Bhuiyan	SDE,FFWC; BWDB	01715-040144 <a href="mailto:arif81_bwdb@yahoo.com">arif81_bwdb@yahoo.com</a>
6	Md. Mahatab Hossain	SDE,FFWC; BWDB	01911-781989 <a href="mailto:mahtab_ce@yahoo.com">mahtab_ce@yahoo.com</a>
7	Dr.Nazmun Nahar Karim	PSO Agr. Eng.; BARC	01715-013033 <a href="mailto:nazmunkarim@yahoo.com">nazmunkarim@yahoo.com</a>
8	Dr. Mian Syeed Hassan	PSO Crops; BARC	9127258 <a href="mailto:sayeed63@gmail.com">sayeed63@gmail.com</a>
9	Mr. Salahuddin Ahmed	WASH Coordinator; NGO F	01745-137585 <a href="mailto:salahuddin@ngof.org">salahuddin@ngof.org</a>
10	Ms. Saida Begum	Project Coodinator; NGO F	01673-414943 <a href="mailto:saida@ngof.org">saida@ngof.org</a>
11	Md.Rafiqul Hasan	Deputy Director (Monitoring); DAE	01712-022556, <a href="mailto:rafiqu150856@yahoo.com">rafiqu150856@yahoo.com</a>
12	A K M Jahangir Hossain	Liasion Officer; DAE	01834-536861 <a href="mailto:jj5rr@yahoo.com">jj5rr@yahoo.com</a>
13	Md. Jahid Hossain	Senior Scientific Officer; WARPO	01554-329788 <a href="mailto:jahid972004@yahoo.com">jahid972004@yahoo.com</a>
14	Md. Hasan Shahriar	Senior Scientific Officer; WARPO	01924-440109 <a href="mailto:shahriar_mh1976@yahoo.com">shahriar_mh1976@yahoo.com</a>

The aim of the training program was to increase awareness of the key critical issues related to “Building Capacity on Climate Change Adaptation”. Furthermore, trainees would be able to cope up with the growing challenges on climate change. A coherent approach on collective views was shared and exchanged with the participants on the subject matter. Inter departmental knowledge sharing by respective department was also achieved as part of the training exercise.

## 2. Description of change

### (Why did the change happen?)

The training comprised of class room-based deliberations with multi-media presentations, discussions and learning session. The trainers included both local & international experts from different disciplines: engineering, economics, public health, NGOs, etc. Topics of training sessions have been enumerated below along with the lecturers who delivered them:

Topic	Resource Persons
Agriculture & Food Security : Crop Diversification	Dr. Wais Kabir, DG(Retd), BARC
Irrigation Management (Surface & Groundwater)	Dr A F M Afzal Hossain, DED, IWM Mr. Rezaul Hasan, IRM, IWM
Market Chain Infrastructure	Khondoker Mainuddin, Sr. Fellow, BCAS
Urban Water Supply	Dr Asif M Zaman, WRP, IWM
Navigation	Dr Mominul Haque Sarker, DED (Planning)CEGIS
Rural Sanitation	Golam Muktadir, EE DPHE
Urban Sanitation	Prof. Dr. Mujibur Rahman, BUET
Industries	Prof Dr Md Mafizur Rahman, Director, ITN, BUET
Rural Water Supply	Saad Siddiqui, Head HRD, IWM
Energy / Power supply	Mohammad Hossain, DG, Powercell, GoB Saad Siddiqui, Head HRD, IWM
Roads / Rail / Embankments	Catherine Terwisscha van Scheltinga Director Wageningen UR Project
Flood Management	S.M. Shah-Newaz, Director, FMG, IWM Md. Abdulla hel Kafi, Associate Specialist, FMG
Early Warning System	Tarun Kanti Magumdar, Senior Specialist FMG, IWM
Urban Flood Management	David Mohammad Khan, Senior Specialist, WRP, IWM Ismat Ara Parveen, Associate Specialist, WRP, IWM
Coastal flood management	Mobassharul Hasan, Senior Specialist, CPE, IWM
Gender	Ms Majeda Haque, Gender Specialist UNDP
Health	Dr Showmik, Consulting Physician ICDDR,B
Policy and Strategies	Golam Rabbani, Fellow, BCAS
Negotiation	Mirza Shawkat, Consultant, CDMP

The above topics were selected to enable the participants for gaining insight into the emerging challenges from different disciplinary perspectives. Given the diverse background of the participants, there were regular lively discussions and debates on the issues raised by the trainers. The ideas and concepts exchanged through the lectures gave the participant a holistic view on the issue and prepare them for the challenge on the matter.

## 3. Contributing factors, actors, and background

### (Who or what contributed to the change?)

Some of the key factors that contributed to the success of this program were:

- High motivation of participants, who attended the 5 day long training program
- Spontaneous class-room participation of the training
- Careful selection of trainers and participants from different fields of expertise
- Quality audio-visual training methodology adopted for the lectures
- IWM’s experience in delivering high quality training programs
- IWM’s experience in the field of climate change related projects
- Active support from IWM and BWP management for the training program

## 4. Lessons learned

### (Can be positive and negative, based on the barriers and challenges faced)

Observation reveals very positive response on the training from the trainees. The diverse range of topics made the program interesting and triggered spontaneous interactions from the participants.

The multi-disciplinary backgrounds of the participants lead to a fruitful exchange of ideas throughout the program.

In future, similar training programs can be extended by 1 or 2 more days to allow for more discussions and hands-on exercises. The participants sought for field visit on areas of interest for the program. Field visit would have opened up a new dimension of thorough concepts among the participants on their role in building capacity in the emerging challenge of climate change.

The participants gave fruitful positive feedbacks on the training program. They also expressed keen interest to have follow-up discussions and meetings. One of the barriers identified was exchange of ideas & concepts so that participants were connected through a network for being apprised on means to tackle the climate change phenomenon. Capacity building meant frequent exchange of ideas & concepts among the stakeholders so that their capacity could be strengthened to face the changes that are to occur. IWM offered to facilitate such on-going exchange of knowledge base and activities.

## 5. Other information

### Web links to reports, news items, etc.:

People who can be interviewed (email and telephone numbers)—for further information on the impacts of the training, it is suggested that the trainers and trainees (given above) may be interviewed and their opinion sought on the success of the program. Details of all trainers with name, designation and contact numbers are given in the following.

SI No	Name of Trainer	Designation	Organization	Contact Number & e-mail
1	Dr. Wais Kabir	DG (Retd)	BARC	<a href="mailto:waiskabir@hotmail.com">waiskabir@hotmail.com</a> ; 01715036732
2	Dr A F M Afzal Hossain	DED (P&D)	IWM	<a href="mailto:afh@iwmbd.org">afh@iwmbd.org</a> ; 0184193002
3	Mr. Rezaul Hasan	Senior Specialist	IWM	<a href="mailto:mrh@iwmbd.org">mrh@iwmbd.org</a> ; 01841930015
4	Khondoker Mainuddin	Director	BCAS	<a href="mailto:Khandaker.mainuddin@bcas.net">Khandaker.mainuddin@bcas.net</a> ; 01713023856
5	Dr. Asif M Zaman	Sr. Water Resources Specialist	IWM	<a href="mailto:amz@iwmbd.org">amz@iwmbd.org</a> ; 01727729744
6	Dr Mominul Haque Sarker	DED	CEGIS	<a href="mailto:msarker@cegisbd.com">msarker@cegisbd.com</a> ; 01817006781
7	Golam Muktadir	Executive Engineer	DPHE	<a href="mailto:miltonbuet@yahoo.com">miltonbuet@yahoo.com</a> ; 01552384505
8	Prof Dr Md Mafizur Rahman	Professor	ITN, BUET	<a href="mailto:mafizur@gmail.com">mafizur@gmail.com</a> ; 01911342276;
9	Mohammad Hossain	DG	Power Cell, GOB	<a href="mailto:dg@powercell.gov.bd">dg@powercell.gov.bd</a> ; 01711868319
10	Saad Siddiqui, PEng.	Head HRD	IWM	<a href="mailto:sas@iwmbd.org">sas@iwmbd.org</a> ; 01841930009
11	Catherine Terwisscha van Scheltinga	Project Director	Wageningen UR Project	<a href="mailto:Catharien.terwisscha@wur.nl">Catharien.terwisscha@wur.nl</a> ; 01715010510
12	S.M. Shah-Newaz	Director, FMG	IWM	<a href="mailto:sms@iwmbd.org">sms@iwmbd.org</a> ; 018419300
13	Md. Abdulla hel Kafi	Associate Specialist	IWM	<a href="mailto:ahk@iwmbd.org">ahk@iwmbd.org</a> ; 01915494677
14	Tarun Kanti Magumdar	Senior Specialist	IWM	<a href="mailto:tkm@iwmbd.org">tkm@iwmbd.org</a> ; 018419300
15	David Mohammad Khan	Senior Specialist	IWM	<a href="mailto:dmk@iwmbd.org">dmk@iwmbd.org</a> ; 018419300
16	Ismat Ara Parveen	Associate Specialist	IWM	<a href="mailto:iap@iwmbd.org">iap@iwmbd.org</a> ; 01841930026
17	Mobassharul Hasan	Senior Specialist	IWM	<a href="mailto:mbh@iwmbd.org">mbh@iwmbd.org</a> ; 01841930018
18	Ms Majeda Haque	Gender Specialist	UNDP	<a href="mailto:Majeda.hug@undp.org">Majeda.hug@undp.org</a> ; 01715771137
19	Dr Showmik	Consulting Physician	ICDDR,B	<a href="mailto:mshomik@icddr.org">mshomik@icddr.org</a> ; 01714132715
20	Golam Rabbani	Consultant	BCAS	<a href="mailto:golam.rabbani72@gmail.com">golam.rabbani72@gmail.com</a> ; 01713248362
21	Mirza Shawkat	Consultant	CDMP	<a href="mailto:Mirza.shawkat@cdmp.org.bd">Mirza.shawkat@cdmp.org.bd</a> ; 01720222363

## Photo Gallery



*Executive Director, IWM addresses in the inaugural session*



*Vice President, BWP addresses in the inaugural session*



*Dr. Wais Kabir, DG (Retd.) delivering his lecture*



*Ms Majeda Haque delivering her lecture*



*Certificate awarding ceremony*



*Certificate awarding ceremony*