

**International Partners Technical and Capacity Building Meeting and Field Visit**  
**“Strategic Strengthening of Flood Warning and Management Capacity**  
**Of Pakistan – Phase II”**

**Avari Hotel Lahore (06th - 07th August, 2015)**

Under the project, “Strategic Strengthening of Flood Warning and Management Capacity of Pakistan”, International Centre for Water Hazard and Risk Management (ICHARM) under the auspices of UNESCO and Japan Aerospace Exploration Agency (JAXA) has developed a model “Indus IFAS” and installed at FFD Lahore for operation in 2014. However, after 2014 floods in the Eastern rivers and in order to improve Indus-IFAS, there was a dire need to extend the Indus IFAS system to the tributary rivers of the Indus i.e. Jhelum, Chenab, Ravi, Sutlej. This is going to be taken up during the second phase of the UNESCO project “Extending Flood Warning and Management Capacity of Pakistan and Indus River Basin countries” funded by the Government of Japan and with the close cooperation and collaboration of Japanese and Pakistani partners. The objective of the meeting is to gather international experts, scientists and hydrological modellers at a common platform to share their experiences and expertise to develop early warning system for the Eastern Rivers.

On August 06, 2015, Training sessions for Afghan delegation assisted by UNESCO Team with NUST, Dr Riffat from SAWCRI (Soil and Water Conservation Research Institute Chakwal and PCRWR under the directions of Dr. Shahbaz Khan, OIC Regional Science Bureau for Asia Pacific, Jakarta Indonesia. The components of training included:

- Introduction to UNESCO and floods related initiatives (UNESCO Jakarta)
- GIS analysis for watershed management (UNESCO Islamabad)
- Hydrological database and analysis (UNESCO Islamabad)
- Community based flood management (National University of Sciences and Technology - NUST)
- Soil data for flood management (Pakistan Council for Water Resources Research)
- Watershed management in arid areas (Soil and Water Conservation Research Institute, Chakwal)
- Scoping of Training Needs in Afghanistan – JICA Afghanistan and all participants

On August 06, 2015, Field visit to Marala head works was arranged for ICHARM experts, PCRWR and JAXA delegation by UNESCO Islamabad office where XEN Marala Headwork, Mr Chaudhry Shafiq from Irrigation Department explained in details the way the barrage was operating, how flows were measured and regulated, and how the barrage was managed during floods. Breaching section was also shown by the irrigation department.

On 07 August 2015, International and National Partners Technical Meeting was held. The experts from UNESCO HQ, Jakarta Office, ICHARM, JICA and JAXA gave their presentations on the output of IFAS for floods 2015 and scope of Phase- II of Japan funded Flood Project. Opening Remark by JICA (by Mr. Yoshihiro Ozaki) and Dr Shahbaz Khan were given. After the

presentations the floor was open for breakout sessions in which all the international and national experts actively participated.

Besides, there were meetings with partners like WAPDA, Academia and other disaster/flood relevant organizations.

Pic1&2: Meeting with General Manager Planning and Design (WAPDA).



Pic3: Group picture at Marala headwork's rest house



Pic 4: International and National Partners Technical Meeting

