

## Asia Water Cycle Symposium (AWCS2016) Program

Venue: Tokyo (The University of Tokyo Takeda Hall, Bunkyo-ku, Tokyo Yayoi 2-11-16)

Date: 1-2 March 2016 (Tuesday, Wednesday)

Organizers: ICHARM, UTokyo, JAXA, JWA

### Day1: Tuesday 1 March 2016

**09:00 – 09:30 Registration**

**1. 09:30 – 10:00 Opening**

Welcome remarks from hosting Organizations:

- Prof. Mamoru Mitsuishi, Dean, School of Engineering, UTokyo
- Dr. Taketo Uomoto, Chief Executive, PWRI

Guests' remarks:

- Dr. Akinori Mori, Deputy Director-General for Research and Development Bureau, Ministry of Education, Culture, Sports, Science and Technology (MEXT)
- Dr. Koji Ikeuchi, Vice Minister for Engineering Affairs, Ministry of Land, Infrastructure, Transport and Tourism (MLIT)

**10:00 – 10:20 Group Photo and a short break**

**2. 10:20 – 12:20 Panel Debate: Flood and Drought in the Asia Pacific Region**

*(Chair: T. Koike, UTokyo and ICHARM)*

6min @ 10 panelists + 1hour discussion

- Dr. Johannes Cullmann, Director, Climate and Water Department, WMO
- Prof. Shahbaz Khan, Director, UNESCO Regional Science Bureau for Asia and the Pacific
- Prof. Srikantha Herath (UNU)
- Mr. Luis Tineo, Lead Operations Officer, Global Facility for Disaster Reduction and Recovery (GFDRR), The World Bank
- Dr. Suzanne Kay Robertson, Natural Resources and Agriculture Specialist, Environment, Natural Resources and Agriculture Division, East Asia Department, ADB
- Dr. Hitoshi Baba, Senior Advisor, JICA
- Dr. Rogel Mari Sese, Program Leader, National Space Development Program, DOST, Philippines (APRSAF)
- Mr. Chu Ishida, Senior Chief Officer for Satellite Applications, JAXA/Secretariat of Committee on Earth Observation Satellites (CEOS)
- Prof. Toshio Koike, Professor, University of Tokyo, Director, ICHARM, *representing AWCI*
- Dr. Keizrul Bin Abdullah, Chairperson, NARBO

**12:20 – 13:30 LUNCH**

**3. 13:30 – 18:00 Flood Session: "Towards IFI-AP and GEO Water"**

*(Chair: M. Murase, ICHARM)*

① Opening remarks for IFI

- Dr. Johannes Cullmann, Director, Climate and Water Department, WMO

- Dr. Abou Amani, Chief of Section, Section on Hydrological Systems and Water Scarcity, Division of Water Sciences, Natural Science Sector, UNESCO

② 120min: Current Situation and Countermeasures against Floods in Asia (Presentations)

- AWCI member countries reports:

*(Chair: A. Kawasaki, UTokyo)*

- Indonesia: Prof. Muhammad Syahril Badri Kusuma, Professor, Institute of Technology Bandung
- Japan: Mr. Kenichiro Tachi, Director for International Coordination of River Engineering, River Planning Division, Water and Disaster Management Bureau, MLIT
- Korea: Prof. Deg-Hyo Bae, Professor, Sejong University
- Mongolia: Dr. Gombo Davaa, Head of Hydrology Section, IMHE
- Myanmar: Ms. Htay Htay Than, Director of Hydrology, Department of Meteorology and Hydrology
- Nepal: Dr. Maheswor Shrestha, Senior Divisional Engineer, Water and Energy Commission Secretariat
- Pakistan: Mr. Muhammad Tahir Anwar, Director General, Federal Water Management Cell
- Philippines: Mr. Hilton Hernando, Assistant Weather Service Chief, PAGASA, Pampanga River Basin Flood Forecasting and Warning Center
- Sri Lanka: Prof. S.B. Weerakoon, Professor, University of Peradeniya
- Thailand: Thada Sukhapunphan, Assistant Deputy Director General, Royal Irrigation Department

- NARBO member reports:

*(Chair: T. Kawasaki, JWA/NARBO)*

- Mr. Gede Nughoru Ariefianto, Jasa Tirta I, Indonesia
- Mr. Dony Trio Prabowo, Jasa Tirta I, Indonesia
- Ms. Doan Thi Tuyet Nga, Ministry of Agriculture and Rural Development (MARD), Viet Nam
- Dr. Kentaro Kido, Deputy Director, Japan Water Agency
- Mr. Tadashige Kawasaki, Secretariat, NARBO

**15:30 – 16:00 BREAK**

**(ICHARM 10-year anniversary)**

③ 45 min: Flood Early Warning System (Presentations):

*(Chair: Y. Iwami, ICHARM)*

- Mr. Yoichi Iwami, ICHARM
- Mr. Chu Ishida, JAXA
- Mr. Atif Irshad, Meteorologist, PMD's Flood Forecasting Division (FFD), Lahore
- Dr. Kumiko Tsujimoto, UTokyo
- Dr. Win Win Zin, Associate Prof., Yangon Technological University

④ 45 min: Flood Disaster Risk Reduction (Panel Discussion):

*(Chair: H. Sawano, ICHARM)*

- Mr. Hisaya Sawano, ICHARM
- Mr. Hilton Hernando, Assistant Weather Service Chief, Pampanga River Basin Flood Forecasting and Warning Center, PAGASA, Philippines
- Ms. Lenie Duran-Alegre, Chief, NDRRM Service and Head Secretariat, Office of Civil Defense (OCD), Philippines
- Ms. Felicisima L. Mungcal, Department Head, Local DRRM officer, Provincial Disaster Risk Reduction and Management Office (PDRRMO), Philippines
- Ms. Rosalie A. Graidia, Administrative Assistant, Local Government Unit of Calumpit / MDRRMO Staff, Philippines

⑤ 30 min: End-to-End Action Plan

IFI-AP: Deliberations towards the start-up action plan, Dr. Masahiko Murase, ICHARM

**4. 18:00 ~ Reception (fee 2,000JPY) and poster viewing**

Day2: Wednesday 2 March 2016

**5. 09:00 – 10:00 Drought Session**

*(Chair: A. Chavoshian, RCUWM)*

- Dr. Ali Chavoshian, Director, RCUWM, Iran
- Prof. Deg-Hyo Bae, Professor, Sejong University, Republic of Korea
- Dr. Muneta Yokomatsu, Associate Professor, Kyoto University
- Mr. Yohei Sawada, PhD Candidate, The University of Tokyo

**6. 10:00 – 12:20 (including 20min break) Capacity Building Session**

① UNU Program: 30min

*(Chair: S. Herath, UNU)*

- Prof. Srikantha Herath, UNU
- Prof. Monte Cassim, former president, APU on Citizen scientists
- Prof. Serafin Ngohayon, President, Ifugao State University, Philippines

**10:30 – 10:50 BREAK**

② ICHARM Capacity Building (ICHARM 10 year anniversary): 90min

*(Chair: K. Miyake, ICHARM)*

- ICHARM Anniversary Congratulation Remarks
- Mr. Nikola Zlatanovic, Research Engineer, Institute for the Development of Water Resources, Serbia
- Mr. Atif Irshad, Meteorologist, PMD's Flood Forecasting Division (FFD), Lahore
- Mr. Mitra Baral, Senior Divisional Engineer (Division Chief), Department of Irrigation, Easter Irrigation Development Division No.1, Ministry of Irrigation, Nepal
- Mr. Somchit Amnatsan, Chief of Water Management Branch (Irrigation Engineer), Reg. Irrig. Office 2, Operation and Maintenance Div., Royal Irrigation Department, Thailand
- Mr. Uba Shazali Ajingi, Principal Hydrologist, Lake Chad Catchment Office, Nigeria Integrated Water Management Commission, Nigeria
- Mr. Md. Khairul Islam, Executive Engineer, Bangladesh Water Development Board (BWDB), Bangladesh

- Dr. Rodrigo Fernandez Reynosa, Freelance Consultant as Program Developer, Japan
- Prof. A.W. Jayawardena, Honorary Professor, University of Hong Kong, China

**12:20 – 13:30 LUNCH**

**7. 13:30 – 17:00 Panel Discussion: “Towards water disaster risk reduction in Asia and the Pacific Ocean region”**

Part1: Collection and statistics of water disaster data

Organizer: Dr. Johannes Cullmann, Director, Climate and Water Department, WMO

- Dr. Korenfeld Federman, Chairperson, UNESCO-IHP, IGC
- Dr. Hitoshi Baba, Senior Advisor, JICA
- Prof. Yuichi Ono, Assistant Director and Professor, International Research Institute of Disaster Science (IRIDeS), Tohoku University
- Ms. Lenie Duran-Alegre, Chief, NDRRM Service and Head Secretariat, Office of Civil Defense (OCD), Philippines

Part2: Inter-disciplinary and Trans-disciplinary cooperation

Organizer: Prof. Srikantha Herath, UNU

- Dr. Abou Amani, Chief of Section, Section on Hydrological Systems and Water Scarcity, Division of Water Sciences, Natural Science Sector, UNESCO
- Dr. Yuki Matsuoka, Head of the UNISDR Japan Liaison Office
- Prof. Christophe Cudennec, Secretary General, IAHS
- Mr. Luis Tineo, Lead Operations Officer, Global Facility for Disaster Reduction and Recovery (GFDRR), The World Bank
- Dr. Fumiko Kasuga, Director, National Institute of Health Sciences, and Future Earth Global Hub Director, Japan
- Dr. Eng. Saman S.L. Weerasinghe, Additional Director General, Department of Irrigation, Sri Lanka

**15:30 – 16:00 BREAK**

Part3: Promotion of regional cooperation

Organizer: Prof. Shahbaz Khan, Director, UNESCO

- Mr. Qingfeng Zhang, Chair, Water Sector Committee and Director, Environment, Natural Resources and Agriculture Division, East Asia Department, ADB
- Mr. Yusuke Amano, Director, International Affairs Office, Water and Disaster Management Bureau, MLIT
- Dr. Akiyuki Kawasaki, Associate Professor, UTokyo
- Mr. Yusuke Muraki, Associate Senior Administrator, MPD, JAXA
- Mr. Thada Sukhapunphan, Assistant Deputy Director, Royal Irrigation Department, Thailand

**8. 17:00 – 17:30 Summary Discussion Session, Prof. Toshio Koike (UTokyo and ICHARM)**

**9. 17:30 – 17:40 Closing, Prof. Toshio Koike (UTokyo and ICHARM)**