

Special Session SS-7-3

- Title

Water & SDGs - Downscaling WATER relevant SDGs

- Organiser

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■ Potential Presenter

1. Presenter: TFC , Downscaling WATer relevant SDGs (DWAT-SDGs)

Affiliation: Bureau members

Organisation: IWRA

2. Presenter: Yingchun Ge

Affiliation: Professor

Organisation: China Academy of Science

3. Presenter: Xin Li

Affiliation: Professor

Organisation: China Academy of Science

4. Presenter: Ximing Cai

Affiliation: Professor

Organisation: University of Illinois at Urbana-Champaign

5. Presenter: Claudia Ringler

Affiliation: Senior Research Fellow

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6. Presenter: Shaofeng Jia

Affiliation: Professor

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7. Presenter: Erhu Du

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8. Presenter: Dahlia Sabri

Affiliation: Engineer

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10. Presenter: Alcigeimes B. Celeste

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11. Presenter: Raya Marina Stephan

Affiliation: Water law expert, International consultant

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12. Presenter: Paul Satur

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▪ Alignment with Congress

7. 7. Cross-cutting Issues

▪ Session description

The United Nation (UN) Sustainable Development Goals (SDGs) provide a "shared blueprint for peace and prosperity for people and the planet, now and into the future" by means of seventeen interconnected global goals. Among those goals, SDG 6 on "Clean Water and Sanitation" focuses directly on water resources. In addition, SDG 14 "Life below Water" and SDG 15 "Life on Land" are relevant; in general, water as a basic resource for both human life and biological and ecological systems, is connected to all of the 17 SDGs via natural and anthropogenic processes. Localizing and realizing SDGs will require deep transformations in every country/ region and a recontextualizing toward a locally relevant subset of goals, due to the diversity of local conditions and priorities across regions in both the developed and developing world, local priority disagreements, competing interests and trade-offs and synergies among multiple sectors and stakeholders, and country/region specific risks posed by future uncertainties. However, current SDG localization efforts are challenged by appropriate institutional support (especially the participation local communities), future uncertainties and risk, limited interactions between science and practice communities, and limited communication among countries and regions. Underlying the "Project Everyone" campaign of UN Agenda 2030 toward the SDGs, IWRA (International Water Resources Association) is growing support to SDGs implementation, especially via a task force committee (TFC) on Water & SDGs. The overall goal of the TFC is to downscale WATER relevant SDGs (DWAT-SDGs) to the country/region, basin, and local scale to facilitate SDGs realization and support sustainable water resources management everywhere in the world. To achieve the goal, the IWRA IFC proposes a special session on Water & SDGs, with the following objectives: 1. Promoting international coordination and collaboration on SDGs implementation, especially for water management, 2. Exchanging DWAT-SDGs research, education, and practice, and 3. Promoting evidence-based decision support tools for local water management practices. Via the special session presentation and discussion, we expect to promote DWAT-SDGs around the world, especially through establishment of guidelines for best management practices at the basin and sub-basin scales, and developing local SDG water indicators via pilot basins, cities, and countries. This session calls for papers on, but not limited to: a) Local/basin/country experiences b) Research, extension, and education advances c) Collaboration between scientists and stakeholders d) Monitoring and assessment accounting and benchmarking against planetary boundaries and social thresholds e) Institutional development for the implementation of country, region, and local-level SDGs