

Meeting of the IAHR Technical Committee on Climate Change Adaptation Vienna, 22 August 2023

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Agenda

- 1) Activities done by the TC CCA after the IAHR Granada Congress
- 2) Status of the Monograph
- 3) Future Chair of the TC CCA
- 4) Any Other Business

1) Activities done by the TC CCA after the IAHR Granada Congress

From the Annual Report
to the Council:



IAHR TC/WG Annual Report 2022

Technical Committee on Climate Change Adaptation

High number of affiliates

CC is a hot topic also in IAHR

Webpage	https://www.iahr.org/index/committe/8
Founding year	2018
Chair	Roberto Ranzi, University of Brescia, Italy
Past Chair	
Vice Chair	
Primary affiliates	167
Secondary affiliates	499
Tertiary affiliates	998

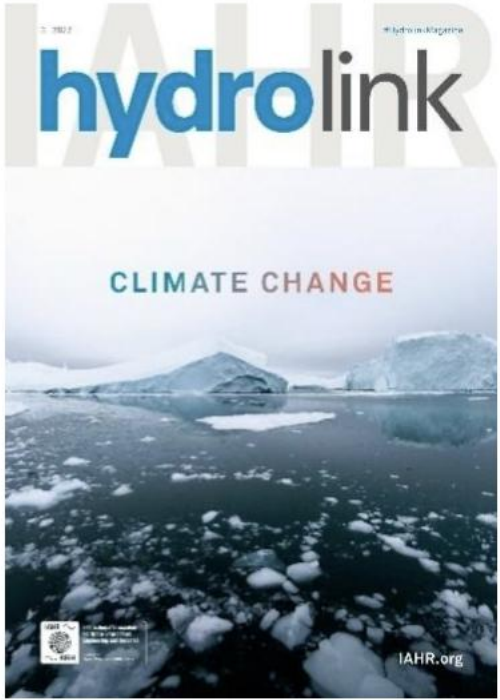
1) Activities done by the TC CCA after the IAHR Granada Congress

Hydrolink 2022-3 on Climate Change

With Roberto Ranzi being the guest editor, the Committee on Climate Change Adaptation coordinated the editing of the third issue in 2022 of Hydrolink on the theme of climate

change. Roberto Ranzi is also the author of one of the 8 articles on “Climate change impact, adaptation and mitigation in the water sector: new hints from the IPCC AR6”.

<https://www.iahr.org/library/hydrolink?hid=472>



One of the most downloaded
HYDROLINK
issues (if not the most)

1) Activities done by the TC CCA after the IAHR Granada Congress

Webinar on Changes in the Cryosphere and the Impact on Engineering

December 2, 2022. Online.

While the global efforts in climate change action culminated during the COP27 in Egypt, IAHR was making our own contributions by convening this webinar to discuss changes in the cryosphere and the impact on engineering. Experts of climate change and ice engineering shared their research findings at this event jointly organized by Prof. Roberto Ranzi, Chair of the Committee on Climate Change Adaptation and Dr. Tomasz Kolarski, Chair of the Committee on Ice Research and Engineering.

<https://www.iahr.org/index/detail/784>



Sessions on Climate Change Sessions at the 3rd IAHR Young Professionals Congress

November 29, 2022. Online.

The 3rd IAHR Young Professionals Congress was held from November 28 to December 2, 2022. On November 29, two sessions were about climate change: Climate Change Adaptation, and Climate Change and Case Studies. Dr. Kenichiro Kobayashi and Prof. Van-Thanh-Van Nguyen, both leadership team of the Committee on Climate Change Adaptation chaired both sessions.

<https://www.iahr.org/index/detail/699>



1)

Together with Elpida Kolokytha (SDG WG Chair) and Tom Soo we participated on 13 June to the Bonn Conference preparing the COP 29 (2024)

we contributed with our ideas and expertise

2) Status of the Monograph

Introduction (Ranzi)

Part I Climate Change Impact assessment (8-12 pages single line A4 for each chapter)

1. Climate change and stationarity (Ramesh, Roberto, Yangwen Jia)
2. Hydroclimatic variability (Ranzi, Ramesh, Yangwen)
3. Climate change projections. (Van Nguyen, Bae, Ken, Inigo, Giorgi)
4. Risk assessment of climate change impact (Inigo)

Part II Adaptation

5. Nature Based Solutions for climate change adaptation, irrigation (Talita, Grossi, Bregie)
6. Adaptation in urban drainage (Ken, Van Nguyen, Talita, Guinevere, Grossi)
7. Dams and reservoirs (Bae, Jia,..)
8. River training works (Guinevere, Ranzi)
9. Upgrade of coastal defence systems (Inigo)

3) Future Chair of the TC CCA

Chair



Roberto Ranzi

University of Brescia
Italy

Vice Chair



Ramesh Teegavarapu

Florida Atlantic University
United States of America

Member



Abdalla Abdelsalam Ahmed

UNESCO Chair in Water Resources
Sudan



Yangwen Jia

China Institute of Water Resources and Hydropower Research (IWHR)
China



Kenichiro Kobayashi

Kobe University, Research Center for Urban Safety and Security (RCUSS)
Japan



Guinevere Nalder

New Zealand Qualifications Authority
New Zealand



Van-Thanh-Van Nguyen

McGill University
Canada



Talita Silva

Universidade Federal de Minas Gerais
Brazil

Co-opted



Deg-Hyo Bae

Sejong University
Republic of Korea



Iñigo J. Losada Rodríguez

Fundación Instituto de Hidráulica Ambiental
Spain



Bregje Van Wesenbeeck

Deltares
Netherlands

According to the Bylaws a chair stays for 2 mandates (4 years), exceptionally for 3. I asked to Ramesh if he is ready to step in Considering the pandemic and the pending Monograph he prefers to step in in Singapore We will check with the Office if we need elections

3) Future of the TC CCA

Prof. Abdalla, Unesco Chair in Khartoum was silent
I proposed to Prof. Dalila LOUDYI,
PhD., Eng. Professor of Water and environmental engineering
University Hassan II Casablanca
to become member of the LT

She is happy, confirmation pending

The others confirm their interest in remaining in the LT?

4) Any other business Future activities:

1. Finalise the Monograph and submit to IAHR Office by November 2023 (hard deadline)

After approval work on a hardcopy version

2. Contribute to the Regional Divisions Congresses with CC issues

3. Contribute to the World Congress Programme

4. Possibly contribute to a UN WWDR on Cryosphere



4) Any other business