

## IAHS Bureau: International Commissions (IC)

**President Name:** Heidi Kreibich

**International Commission:** Human-Water Feedbacks

**Names of participants and role(s) of each officer:**

Role	Name of person	Activities/Responsibilities
President	Heidi Kreibich	EGU activities, Support of sociohydrology conference, communication
Past-President		
President-elect		
VP	Anne van Loon	Coordinating cooperation with HELPING Decade and DitA network (Drought in the Anthropocene)
VP	Saket Pande	Support of sociohydrology conference, exploration of funding opportunities
VP	Tobias Krüger	
Secretary	Melissa Haeffner	Support of sociohydrology conference, Support of summer school, communication
ECC		

**Members and people interested in the activities of the commission:** ~240 people on the commissions mailing list

**Which UPH(s) does the Commission contribute to?**

18. How can we extract information from available data on human and water systems in order to inform the building process of socio-hydrological models and conceptualizations?"

23. What is the role of water in migration, urbanisation and the dynamics of human civilisations, and what are the implications for contemporary water management?

**Which Theme and WG of HELPING Decade the Commission contribute to?**

Theme 2 - HELPING with holistic solutions for water security

WG Drought in the Anthropocene

### Work plan

	2024 Summary of Progress	2025 – Work plan
<b>PERIODICAL COMMISSION WORKSHOP</b>	<ul style="list-style-type: none"> <li>Online ICHWF commission kick-off meeting 8.2.2024, in person meeting at EGU 17.4.2024.</li> <li>Topical workshop on Drought by DitA group Geneva 30 Sept - 3 Oct: <a href="https://www.droughtmanagement.info/hmndp10/">https://www.droughtmanagement.info/hmndp10/</a></li> <li>Heidi (president ICHWF) attended the meeting of the ICWRS in Florianopolis 6.11.2024 for exchanging ideas and explore potential cooperation</li> </ul>	<ul style="list-style-type: none"> <li>2<sup>nd</sup> sociohydrology conference July 19-21 2025 in Tokyo (~ 350 particip.) (<a href="https://ishc2025.t.u-tokyo.ac.jp/">https://ishc2025.t.u-tokyo.ac.jp/</a>) (Chair Taikan OKI, University of Tokyo; Secretary General Shinichiro NAKAMURA, Nagoya University) – IAHS-ICHWF conference: commission leadership team members are members of the International scientific committee of the conference, Theme leaders and chairs of sessions; <b>3 SYSTA awardees</b></li> </ul>

<b>COMMUNITY PAPER</b>	<ul style="list-style-type: none"> <li>• Panta Rhei Synthesis paper under review in HSI, revision due 10.1.2025</li> <li>• Paper on “Drought as a Continuum” published in NHESS in the Drought, society &amp; ecosystem special issue: <a href="https://doi.org/10.5194/nhess-24-3173-2024">https://doi.org/10.5194/nhess-24-3173-2024</a></li> </ul>	<ul style="list-style-type: none"> <li>• Virtual commission meeting in spring 2025 and in-person (splinter) meeting at EGU April 2025 to plan new community paper(s)</li> <li>• Panta Rhei Synthesis paper published, solicited talk at EGU</li> <li>• Gain new knowledge on feedback mechanisms from urban water professionals – initiative lead by Melissa Haeffner &amp; Saket Pande</li> <li>• Community Review Paper on approaches to assess Human-Water-Feedbacks lead by Mariele Evers (first meeting 27.06.25)</li> <li>• Socio-hydrological modelling of human-flood/human-drought systems based on the PantaRheiBenchmark Dataset lead by Marlies Barendrecht</li> <li>• Support of community paper on “water-related extreme events with impact on infrastructures” lead by Elena Ridolfi – asked for support by ECS committee (©), Africa and Latin America committees (??)</li> </ul>
<b>DIGITAL WATER GLOBE</b>	<ul style="list-style-type: none"> <li>• commission leadership team</li> <li>• Personal profiles included in DWG</li> <li>• DWG advertised via commission mailing-list</li> </ul>	<ul style="list-style-type: none"> <li>• provision of the human-influenced vs naturalised streamflow dataset</li> <li>• case studies planned</li> </ul>
<b>OTHER INITIATIVES</b>	<ul style="list-style-type: none"> <li>• Biennial summer schools on Human-Water Feedbacks, using the Panta Rhei book as a teaching material, first summer school was planned as one part of the IAHS Academy in Cairo, July 20-27, 2024 - Melissa Haeffner and Cyndi Castro planned to teach a course on 'Quantitative and qualitative methods in Human-Water Feedback Research'</li> <li>• Support of the ‘Drought in the Anthropocene Network’ in organising the scientific side events at the IDMP Resilience+10 Conference at WMO’s head office, Geneva 30.09.-3.10.2024</li> </ul>	<ul style="list-style-type: none"> <li>• Session ‘Water Justice in Coupled-Human Water Systems’ organised and chaired by Melissa Haeffner at the Association of American Geographers on March 24-28, 2025 in Detroit, Michigan.</li> <li>• ICHWF sent contribution to the UN World Water Development Report (WWDR) 2026 -Water and Gender</li> </ul>