

## IAHS Bureau: International Commissions (IC)

**President Name:** Mel Sandells

**International Commission:** International Commission on Snow and Ice Hydrology

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

Role	Name of person	Activities/Responsibilities (e.g. communication)
President	Mel Sandells	Decision-making, strategy, History of Hydrology liaison, IAHS communications
Past-President	Tobias Jonas	Supporting ICSIH activities
President-elect	James McPhee	Decision-making, strategy, ICGW, Latin-America and Africa working group liaison
VP	Seva Moreydo	Meetings, publications, ICCE liaison
VP	McKenzie Skiles	Meetings, publications, ICT liaison
VP	Dhiraj Pradhananga	Meetings, publications, HELPING liaison
VP	Shiqiang Zhang	Meetings, publications, ICSW liaison
Secretary	Tim Link	Meetings, publications, take minutes, webpage, liaise with IAHS, DWG liaison
ECC	Anna-Marie Jörss	Arrange and report on activities of IAHS Early Career committee, contribute to meeting organisation and other ICSIH activities. ICCLAS liaison

**Which UPH(s) does the Commission contribute to?** (No 1-23: check <https://www.tandfonline.com/doi/full/10.1080/02626667.2019.1620507>)

2. How will cold region runoff and groundwater change in a warmer climate (e.g. with glacier melt and permafrost thaw)?

11. Why, how and when do rain-on-snow events produce exceptional runoff?

5. What causes spatial heterogeneity and homogeneity in runoff, evaporation, subsurface water and material fluxes (carbon and other nutrients, sediments), and in their sensitivity to their controls (e.g. snow fall regime, aridity, reaction coefficients)?

21. How can the (un)certainly in hydrological predictions be communicated to decision makers and the general public?

**Which Theme and WG of HELPING Decade the Commission contribute to?** (See current status here <https://iahs.info/Initiatives/Topic-for-the-Next-IAHS-decade/helping-working-groups/>)

ICSIH have appointed a HELPING liaison. Our contributions to the Themes and have been decided and acted upon.

### Work plan for 2025

<b>PERIODICAL COMMISSION WORKSHOP</b>	<ol style="list-style-type: none"> <li>Snow Hydrology 2026, 2 - 6 Feb 2026, Jaca, Spain. <a href="https://snowhydro.unirioja.es/">https://snowhydro.unirioja.es/</a>. <b>IN PROGRESS</b> - In 2024 it was agreed that Snow Hydrology will become the flagship ICSIH conference. ICSIH to work with local organizing</li> </ol>
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	committee in every case. Planning has also started for 2028, which may be in Edinburgh as a joint initiative with IACS.
<b>COMMUNITY PAPER</b>	<p>ICSIH-ICGW article on high mountain hydrogeology. Likely a combination of conceptual and how-to. For instance, the more practical side could involve topics related to data collection, field methods in general...This is a collaboration between James McPhee and Masaki Hayashi. <b>IN PROGRESS</b></p> <p>Prof Liz. Morris, former President of ICSI has agreed to start on a benchmark series paper collating fundamental papers in snow hydrology. This has been discussed for some time in ICSIH but now has a plan to progress. <b>IN PROGRESS</b></p> <p>Seva Moreido is leading a community paper on snow and ice hydrology datasets, intended as a resource for early career researchers looking to test snowpack models.</p>
<b>DIGITAL WATER GLOBE</b>	<p>We have appointed a liaison for DWG (Tim Link). All ICSIH bureau members will be listed as people by 20th December 2023. This has proved difficult due to sign-in issues, that have now been resolved. Experimental watersheds to be added as DWG case studies. <b>IN PROGRESS – Most members of ICSIH have created profiles in DWG.</b></p>
<b>OTHER INITIATIVES</b>	<p>Strategic liaisons with WMO, UNESCO. EGU / AGU sessions.</p> <p>ICSIH Representatives actively involved in the preparation for the UNESCO/WMO International Year of Glacier Preservation 2025. Prof. James McPhee is the coordinator for one of four Task Forces (Research and monitoring). Meetings every two months, with participation of 20-30 scientists each time.</p> <p>Prof. McPhee participated in the 1st World Glacier Day, in Paris, organizing a Side Event on Glacier Monitoring and Research. Further work to be conducted in defining goals and activities for the 2025-2034 Decade for Action on the Cryospheric Sciences.</p> <p>At IAHS2025 in Roorkee, we have organised a side event titled 'YGP 2025 and Decade of Action for Cryospheric Sciences 2025-2034', which will be held on 11<sup>th</sup> October. We have also been involved in the selection of speakers for IAHS2025 as much as allowed.</p> <p>Preliminary steps to articulate joint activities with IACS. Meetings between ICSIH Officers and Dr. Regine Hock, exploring formats such as a joint commission.</p> <p>Revisit ICSIH mission statement to reflect new committee and aim to connect with communities from underrepresented regions e.g. Asia <b>TO BE DONE</b></p>

Guidelines for filling the Workplan:

**“PERIODIC COMMISSION WORKSHOP”**

This workshop is organized by the Commission. It should be an IAHS event, not a session during a conference. It can be co-organized with other Commissions or other organizations. In the latter case the role of IAHS should be clearly identifiable in the organization.

Typically, such workshops have an annual frequency, have a relatively small number of participants (in the range of 40-100), and are particularly precious for collecting the community and focusing on common and emerging research topics.

In the work plan table are expected information about the Commission Workshop.

If the Commission has already finalized the organization, the webpage link of the workshop and the date and the venue should be specified. If the Commission has just started to plan and organize, the date and venue or the available information should be specified. If the Commission recently held the workshop, few summary information should be included in the table and the report link or the pdf should be provided.

The report format is simple and described below:

First page: Commission name, title of the workshop, date, venue, Group Picture of the event

Second page: Statistical summary of the workshop: number of participants, Countries, number of oral presentations, number of posters (if they were present).

From the third page: Scientific Program

Last page: list of participants (EDI?)

#### **“COMMUNITY PAPER”**

The final aim of the Commission is to shed light on research topics related to the Commission as well. Collecting the community and working together the expected outcome is to provide a community paper that summarizes milestones or crucial emerging topics.

In the work plan table, some information on the community paper status are expected. For instance, it would be useful to know if the commission has been planning the community paper, the topic, authors, the percentage of development, and when it is expected to be submitted. This information is crucial for coordinating such activity with the HSJ Editors.

You can find some examples here:

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CANDHY

UPH

#### **“DIGITAL WATER GLOBE”**

As you know the DWG is finally active: <https://dwg.smhi.se/dwg/> and we are looking forward to receiving the contribution from the IAHS community on case-studies and links to data and IAHS publications.

Since our community is shaped by the Commissions, Committees and Working Groups we invite you to advertise the DWG and include all the officers' Personal profiles in the visualisation tool (linked to other items).

The information requested in the table is the number of items that you plan to include in the DWG during the next months and the number you did in the last period.