



Registrations!

Swedish Meteorological and Hydrological Institute

We welcome you to the Nordic International Hydrometry Workshop at

SMHI, Sweden: **23-27 September 2024**

The time has come to register for the Nordic International Hydrometry Workshop 2024.

Registration information

Complete the registration @

<https://hive.smhi.se/index.php/apps/forms/s/etmNW4eyiw7QGJzRm3zEsweK>

As per the first invitation to inform you of the dates, there is no participation fee associated with the conference.

Online participation

The conference will also be available online for all presentation sessions and some workshops. Furthermore, the presentation sessions will be recorded and be made available for streaming.

Please register even if you are not attending physically, as we need your email address to be able to send out invites for the online parts. SMHI is in the process of migrating to ZOOM meetings, which is likely the platform that is going to be used for all streams.

This years theme and content

This years theme will be an *intercomparison on the management and operations of hydrological observation networks across different agencies*. This year promises a nice increase in the number of participating agencies so we felt it pertinent to contrast and compare a bit on how we all solve our different tasks.

This does not mean that we will not have time to explore other areas, as you will see in the proposed schedule below. As always, this conference is user-driven, depending on what the participants want to present on.

The presentation session themes are preliminary, and depends on the amount of interest in each topic. The programme will consist of a mix of parallel sessions and single sessions depending on the amount of presentations and their respective focus.

- **Presentation sessions** follow the normal format of 15-25 minutes of presentations followed by a brief discussion.
- **Lightning talks** are 5-minute talks with minimal time for discussions (we have breaks for discussion inbetween sessions though!)
- In order to accommodate more in-depth discussions, training etc on particular topics we have allotted time slots to **“mini-workshops”**. The thought behind this is to give anyone the opportunity to host such an event for a duration of anything between 2-4 hours and other participants may register for these “mini-workshops”.
- **Poster presentations** are welcome, there will be a space right by the main room where posters can be displayed.

Conference information: www.internationalhydrometrygroup.org

Email: nihw2024@smhi.se

Telephone: +46114958507 (Daniel) +46114958227 (Mikael)

SMHI

| | Monday | Tuesday | Wednesday | Thursday | Friday |
|-------|--|--|------------------------|-----------------|---|
| 8:00 | | | | | |
| 8:30 | | Comparison of hydrological networks and observations | Index instruments | Lightning Talks | Field day Regatta Manufacturer demonstrations |
| 9:00 | Registration open and Optional visit to a hydrological station | | | | |
| 9:30 | | Break | Break | Break | |
| 10:00 | | | | | |
| 10:30 | | | | | |
| 11:00 | | | | | |
| 11:30 | | | | | |
| 12:00 | Lunch | Lunch | Lunch | Lunch | |
| 12:30 | | | | | |
| 13:00 | Comparison of hydrological networks and observations | Qrev | Time series and QA/QC. | Mini-Workshop | |
| 13:30 | | | | | Mini-Workshop |
| 14:00 | | Mini-Workshop | Mini-Workshop | | |
| 14:30 | | | | | |
| 15:00 | | | | | |
| 15:30 | | | | | |
| 16:00 | Mini-Workshop | Mini-Workshop | | | |
| 16:30 | | | | | |

Tentative workshop topics that have been discussed are e.g.

| | |
|---|---|
| Automated QA/QC | Field Laptops – Intercomparison |
| Long continuous time series | ADCP - Communications solutions |
| Ice affected stations | Stage measurement uncertainty |
| Rating curves | Snow measurements |
| Hydraulic modelling of rating curves | Electronic field forms |
| Uncertainty estimation in surface velocity discharge measurements | How to conduct an intercomparison program/event |
| Intro to velocity mapping tools (VMT, Qrev) | Intro to RIVRS for index velocity applications |
| Satellite data for hydrology (SWOT, Icesat etc) | Dilution gauging |

Do you want to present something?

Make sure to click the option that you do want to present in the registration. We welcome all presenters, physical or online. Keeping in the tradition of this being a hands-on workshop, technical presentations or discussions are very welcome.

If you register with the option that you want to present, you will be contacted by the organizing committee and the appropriate chair.

Conference information: www.internationalhydrometrygroup.org

Email: nihw2024@smhi.se

Telephone: +46114958507 (Daniel) +46114958227 (Mikael)



Food and drink during the conference

In Sweden we have the all pervasive “Fika”, which is generally coffee/tea and something small to eat. This will be supplied in the morning and in the afternoon.

Lunch is planned to 12:30 in “Stormköket” where there is always three options to choose from, whereof one with fish and one vegetarian. There is also a salad bar and soft/hard bread. The lunch price is 95 SEK.

Evening activities

We have planned a wide array of evening activities, including a traditional Swedish barbecue, a more formal dinner with live performances, intercomparison of snacks and sweets, pub crawls and more. A separate registration form will be circulated where you can indicate interest in any and all of these events.

Travel information

CONTACT

Points of interest

Conference map available here:

<https://www.google.com/maps/d/edit?mid=1iE1lLpZihrDRaSlGrTX48QuDbUGV08&usp=sharing>

Local organizer

The Swedish Meteorological and Hydrological Institute, Norrköping SWEDEN

E-mail: nihw2024@smhi.se , Daniel.wennerberg@smhi.se , Mikael.lennermark@smhi.se

Mobile: +46764957722 (Daniel), +46707209534 (Mikael)

VENUE

The event will be held at the SMHI office in Norrköping.

Visiting Address: Folkborgsvägen 17, Norrköping, SWEDEN | [Map](#)

Postal Address: SMHI, SE-601 76 Norrköping

Tel.: +46 11 495 80 00

Web: <https://www.smhi.se/en>

There is a limited supply of visitors parking spots at SMHI (permit can be collected at the reception upon arrival). If visitors parking is fully booked, there are other options withing walking distance.

ACCOMMODATION

For accommodation during the workshop, you can check well-known travel websites. Many of our guests stay at:

Scandic Strömmen:

<https://www.scandichotels.com/hotels/sweden/norrkoping/scandic-strommen>

Booking through the web site www.scandichotels.se or by calling Scandic Central Reservation Service at +46 8 517 517 00, Touch Tone 1.

Use the booking code: BSMH220924

Reservations can be made until July 12th.

Single room: 1087 SEK/night

Conference information: www.internationalhydrometrygroup.org

Email: nihw2024@smhi.se

Telephone: +46114958507 (Daniel) +46114958227 (Mikael)

**Comfort Hotel:**

<https://www.strawberryhotels.com/hotels/sweden/norrkoping/comfort-hotel-norrkoping/>
Discount available until July 7th. Booking code is: NIHW2024

Profilhotels President:

<https://ligula.se/en/profilhotels/hotel-president/>
Send an e-mail to hotelpresident@profilhotels.se or call +4611129520, or book online.
Booking code: NIHW 2024
Price is 958 SEK/night.

HOW TO REACH THE VENUE**Directions from the train station**

Take tram no. 3 towards Klockaretorget. The stop is called SMHI and the buildings are easily visible from there. The journey takes around 20 minutes from Norrköping Central.

Directions by road**E4**

From the E4 highway (Stockholm-Helsingborg), take the Norrköping S exit, and immediately afterwards, turn off towards Klockaretorget. Then follow the signs for SMHI.

E22

From the E22 highway from Kalmar, turn off to the E4 S and take the Söderleden route round the city centre. When you reach the roundabout, continue towards the E4 S, and almost immediately afterwards, turn off towards Klockaretorget. Then follow the signs for SMHI.

Road 51

From road 51 (Örebro), continue towards Norrköping and take the E4 exit. From E4, take the Norrköping S exit, and turn off immediately afterwards towards Klockaretorget. Then follow the signs for SMHI.

Arriving by plane

Stockholm - Arlanda airport (ARN) is the nearest large airport. Onward travel to Norrköping by train has an estimated travel time of 2 h to 2.5 h. Direct trains from the airport to Norrköping are available, but most connections require a change at Stockholm Central station. There are also long-distance buses departing from Stockholm Central to Norrköping. The closest regular airport to Norrköping is Linköping airport (LPI). Please note that this airport is not served by public transport. Stockholm Skavsta Airport (NYO, south of Nyköping) is also an option.

You can also arrive at *Copenhagen airport (CPN, Denmark)*, which is a 3.5 h to 4 h train ride from Norrköping.

Arlanda Airport, transfer to Norrköping.

Skavsta Airport, transfer to Norrköping.

Linköping City Airport, transfer to Norrköping.

Copenhagen Airport: transfer to Norrköping by train.

Conference information: www.internationalhydrometrygroup.org

Email: nihw2024@smhi.se

Telephone: +46114958507 (Daniel) +46114958227 (Mikael)



PUBLIC TRANSPORT IN NORRKÖPING

Tram and City buses

For information on public transportation in Norrköping, please visit the Östgötatrafiken web site. Select your language at the automatic translation page. Visit the Travel planner for information on the next connection, or find information on how to buy their tickets. You cannot pay cash on the tram/bus!

Taxi

There are several taxi companies in Norrköping, for example Vikbolandstaxi (phone +46 11 16 43 18) and Taxibil i Östergötland (phone: +46 11 100 100).

OTHER USEFUL INFORMATION

COVID-19

At the moment, there are no restrictions regarding Covid-19 in Sweden. Follow the latest information at Krisinformation.se.

Drinking water

Everywhere in Sweden, tap water is clean and of very good quality so there is no need to purchase bottled water.

Currency

The currency in Sweden is SEK (Swedish Krona). ATMs are available in the city. Payment by bank/credit card is very common.

Tourist Information

Go to visit.norrköping.se

WiFi connection

There are several Free WiFi networks available, both at the hotels and in the city centre. Free WiFi is also available in many cafés and restaurants. The conference venue at SMHI offers Free Wifi for conference guests.

Weather in Norrköping

The weather in September in Norrköping can be quite interchangeable, historical mean day temperature is around 15 degrees Celsius. Follow the weather forecast at the smhi.se web site.

Tipping

Tipping in Sweden

Tipping in Sweden isn't as established as in many other countries. It's always welcome but not expected. When eating out in Sweden it is common to round up to the nearest big number. For example if your bill comes to 280 SEK, you can round up to 300 SEK. Sometimes a service charge is included in the bill, but this will be clearly stated on the bill.

Giving a couple of 'kronor' extra is a nice way of saying thanks for friendly service. However, even if you choose not to leave a tip, it's highly unlikely anyone would be offended.

Have you decided to tip but are unsure of the amount?

A nice tip (and one that is pretty easy to calculate) is to add 10% of the final bill.

Conference information: www.internationalhydrometrygroup.org

Email: nihw2024@smhi.se

Telephone: +46114958507 (Daniel) +46114958227 (Mikael)



Electricity

In Sweden the power plug sockets are of type C or F (Europlug). The standard voltage is 230 V and the frequency is 50 Hz.

Health and Safety

Emergency Assistance/Fire brigade: 112

Police (non-emergency): 114 14

Health care (non-emergency): 1177 (phone, press 5 for information in English), or use the web service 1177.se. Information on health care in Sweden for people visiting from other countries.

Yours Sincerely, the organizing committee.

Daniel Wennerberg

Mikael Lennermark

Technical advisors for hydrometric measurements

Caroline Eklund

Head of water observations

Greger Bergm
Greger Bergman

Head of Observations

David David Caroline Eklund
David Gustafsson

Scientific Coordinator

Conference information: www.internationalhydrometrygroup.org

Email: nihw2024@smhi.se

Telephone: +46114958507 (Daniel) +46114958227 (Mikael)