

IAHR Experimental Methods and Instrumentation Committee

Agenda EMI Leadership Team meeting, 27th of February 2026 – On Line

People present: Marie, Massimo, Yannic, Francesca, Ryota, Margaret, Rui F, Rui A

People who could unfortunately not join from the LT: Slaven, Isabella

Secretary for this meeting: Marie Burckbuchler

Reminder: The EMI-LT members are very welcome to ask for intermediary meetings on more precise topics.

1. Information

Welcome to new members. New LT for 2026-2027 (until IAHR World 2027, Bari).

<https://www.iahr.org/index/committe/1>

→ round table

Summary of the proposals of the new joining members (from candidature):

Rui Aleixo	Polish Academy of Sciences	Poland	Workshop focusing on the necessity of physical modeling and the future role of hydraulic laboratories within the research community. Publish a monograph specifically dedicated to low-cost measurement techniques while actively supporting the ongoing activity.
Francesca De Serio	Politecnico di Bari	Italy	Creating a networked infrastructure to improve global access to hydraulic research facilities. "EMI-LabNet" aims to develop a searchable digital registry of experimental facilities that provides IAHR members with streamlined access, shared protocols, and
Yannic Fuchs	Technical University of Munich	Germany	Expand the global reach of the W.A.T.E.R. Summer School, particularly into Southeast and East Asia, while strengthening interdisciplinary ties through organizations like the EGU. "Prototype-Scale Experiments in Hydraulic Engineering and Research," aims to
Ryota Tsubaki	Kobe University	Japan	Workshops and develop a comprehensive summary report that bridges advanced field measurement methods such as flow visualization and hydroacoustic techniques with practical applications for government and the private sector.
Manoussos Valyrakis	University of Thessaloniki	Greece	Enhance community engagement through strategic outreach, digital promotion, and a new seminar or podcast series. Expanding high-impact publishing through dedicated special issues and leading the organization of the W.A.T.E.R. workshop in 2027.

Reminder of IAHR-EMI objectives and missions (see

<https://iahr.oss-accelerate.aliyuncs.com/upload/file/20250930/1759193572408568.pdf>)

→ shared initiatives, spread knowledge about experimental methods and instrumentation

→ regular meetings and reporting

→ punctual tasks asked by IAHR. E.g. Training courses, White papers, Monographs, etc.

Existence of by-laws (see [Resources](#))

2. Initiatives beyond IAHR

An article collection at Acta Geophysica.

Recent advances in turbulence and transport measurements and instrumentation in earth surface sciences and hydro-environment engineering

Submission deadline: 31 May 2026

<https://link.springer.com/collections/fidijfaee> (**Manousos**)

Contributions/ideas?

3. EMI initiatives

3.1. W.A.T.E.R.

3.1.1. 2025 edition

Report of W.A.T.E.R. Summer School, 10th edition in 2025 in Gdansk, Poland (**Rui Aleixo**)

→ **@Rui A** will send a report shortly to be uploaded on IAHR-EMI website

3.1.2. 2026 edition

[2027 edition in Stuttgart](#), Germany (**Robin Leister**)

3.1.3. W.A.T.E.R. sustainability

We still need to work on making this initiative sustainable, which is ongoing work.




Any EMI-LT member interested should come forward.

Next editions: Open call, schedule and grading scale

- Inclusion of EMI LT and W.A.T.E.R. committee

- Call for edition N sent a few months prior N-1 edition: **NOW** (Draft already existing to be validated)
- Defined criteria and grading scale (Draft already existing to be validated)
- Participation of edition N organiser in edition N-1
- Advertisement for edition N can start right after edition N-1

To be done within the 2-3 next weeks.

-  WATER_procedure
-  [Template]OpenCall_WATERYYYY
-  [Template]callWATERYYYY_evaluation

3.2. Conferences

We received communication about coming events.

@all members of the LT and committee should communicate about their initiatives for these.

3.2.1. IAHR Europe, Luleå - June 2026

Special Session?

Who already knows will be there from LT: Marie, Francesca, ?

3.2.2. RiverFlow, Thessaloniki - July 2026

Special Sessions and Masterclasses and workshops:

- Masterclass “INVESTIGATING SEDIMENT FLUXES WITH AN ACOUSTIC DOPPLER CURRENT PROFILER (ADCP)” with Massimo Guerrero, Slaven Conneviski
- Masterclass “Assessing Turbulent Flows in the lab using laser and acoustic methods” with Rui Ferreira
- “WUD – WORKSHOP ON ULTRASONIC DOPPLER MEASUREMENTS FOR LABORATORY HYDRAULICS AND SEDIMENT TRANSPORT” with Marie Burckbuchler

@all contact Manousos if ideas of special editions of IAHR journal

Manousos = main contact

Who already knows will be there from LT: Marie, Ryota, ?

3.2.3. IAHR World, Bari - 2027

Special Session?

3.2.4. YPC, online

3.3. Other contributions/ideas?

- Francesca: network of laboratories
- Ryota: Check old instrumentation list made many years ago by EMI. Integrate with the lab network lead by Francesca?
- Rui F: Joint committee initiative between EMI and flood committee
 - Webinar with few people presenting
For now we need to ask if people would be interested, but not yet presenting, to keep a reasonable nb of presenters
 - Ideas of Massimo: Norwegian expert talking about Albanian case
 - Rui A ideas about polish people
 - Manousos also has ideas (Greece)
 - Francesca too (southern Italy)
 - @Marie set up a shared document to add ideas of people → [webinar_](#)
 - Rui F = main contact

4. IAHR events and initiatives

4.1. Reporting

Meeting reports

Annual report (DL?)

We will have two parts for the 2025 annual report: past vs future.

This will allow to have a better visibility.

Everybody can then propose future plans.

[IAHR_EMI_TC's WGs Annual Report 2025](#)

4.2. Writings

4.2.1. Two monographs

Writing effort required by IAHR to all the TCs

Damien Violeau, on behalf of IAHR board is suggesting to focus TCs activity on the production of two monograph types

- 1) State-of-the-art monograph for each TC
→ wider in topic than a White paper. E.g., for EMI-TC: physical modelling, instrumentation, field data.
- 2) State of the Art in Water Engineering for the entire IAHR where each TC might contribute with a specific chapter
→ appears as a summary of type 1


Past initiatives on this can continue.

Ex: ADCP Monograph by Massimo and co.

4.2.2. One white paper

- Idea popped out during IAHR world Singapore
- Show the importance of data for everybody (community, floods, etc).
Explain why we still need data today.
- DL: for IAHR world Bari
- And then to be updated every 2-3 years

We will focus on the white paper, as a whole LT.

 white_paper_EMI_2026

4.3. IAHR Training Course Series

The idea is:

- 2-3 days training
- Dense, narrow subject

Massimo proposal: course regarding indirect/surrogate techniques for sediment transport investigation in rivers

IAHR asks that we send proposal (see template)

Previous experiences:

- Rui F, Massimo with Michael Nones
- Was not a big success
- Need to change accordingly for future initiatives of this format

A sub-meeting will be organised on this topic among Rui F, Massimo and **Slaven** amongst others.

4.4. Other contributions/ideas?

- idea of Yannic: prototype scale expé, mesa scale etc with link to eco hydraulics etc

5. Networking

Next meeting(s)

It would be better to know more in advance when the main meetings will take place.

Suggestion: two per year

- One during W.A.T.E.R. with some members physically there
Already known present from LT: Marie, ?
- One about 6 months from this. Typically this meeting time here, ie February.

6. Any Other business

Nothing to report.

=====

27th of February 2026

Margaret Chen, EMI Chair

Marie Burckbuchler, EMI Vice-Chair

Massimo Guerrero, EMI Past Chair

*

LT: Leadership team

TC: Technical committee

FM: <https://www.iahr.org/index/committe/2>