

IAHR Experimental Methods and Instrumentation Committee

Minutes EMI Leadership Team meeting, Friday 28 October 2022, 15:00-16:30 CET (online)

1. Information

Our contribution to the UN report was integrated into the upcoming UN World Water Development Report 2023 that will be published soon (<https://www.unwater.org/publications/un-world-water-development-report-2022>).

Past activities: W.A.T.E.R. in Lisbon, July 18th-22nd 2022 was successful: 20 attendees; 9 countries; 9 lecturers; 6 experimental setups (PIV, LDV, UVP, PTV, PDA, SfM); 3 Industrial partnerships; 2 Universities: IST/ULisboa (organizer); VUBrussel (3 ECTS Diploma); 1 Technical Visit: LNEC.

EMI survey to IAHR community was launched on 28/10/2022 into the EMI community and it will soon re-launched to the entire IAHR community.

2. IAHR events and initiatives

Side events in IAHR congress in Wien.

Rui Ferreira proposes the organization of Open discussion about Open Science concepts, including data re-use and sharing (how, what conditions) to advance research in Fluid Mechanics. By then we would have the results of the EMI survey (see item 1)

Massimo Guerrero proposes lab/experimentation master class including companies contribution and addressed to PhD students in collaboration with LOC. Christine Sindelar to be contacted soon by Massimo. Lasers will be contacted by RF, as was the case of Granada.

3. Initiatives beyond IAHR

CHIST-ERA Project call: Open & Re-usable Research Data & Software. The call (<https://www.chistera.eu/call-ord-announcement>) aims at creating the condition for research on shared/open data and software (reuse of data). Deadline is 14 December 2022 17:00; 250-500 kE; 3 to 6 partners + not funded; 3 Countries minimum among eligible ones; no more of 60% to partners from same country. EMI LT members includes Belgium, France, Poland among eligible countries. EMI LT foresee the possibility of funding actions answering to needs of IAHR community in terms of data sharing such as a platform to curate data, the initiation of a community of curators. At the same time relevant constrains on the partnerships make challenging the proposal preparation. Rui Ferreira will share the possible

proposal main idea and Margaret Chen will check the feasibility of a proposal within the deadline and considering the mentioned constraints.

4. Networking

YPN. Ana Margarida Ricardo and Michael Nones reported about the YPN challenge which consisted in assignments about different topics to participants. The EMI contribute to the overall organization (Michael Nones) and the preparation/development of PIV assignment (Ana Margarida Ricardo). Massimo Guerrero is willing to contribute in the future.

5. EMI initiatives

Organization of W.A.T.E.R. Summer School 2023@TUM. Marie Burckbuchler and Massimo Guerrero will visit Nils Ruther in spring to verify actual facilities, instrumentations, possibilities there.

Decision process for the following editions. The EMI LT deliberates that the W.A.T.E.R. core group (Margaret Chen, Rui Aleixo, Rui Ferreira, Massimo Guerrero, Marie Burckbuchler) will decide about the hosting institute. This decision will be reconsidered following the 2027 edition. Furthermore, the EMI-LT deliberates that no open call is needed, personal contacts will facilitate the choice of the hosting institute. Possible hosting candidates may be candidates as members/co-opted members in the EMI-LT.

2024 edition will be most likely hosted in Strasburg with the cooperation of Ubertone and research institute there.

EMI symposium – state of the initiative. It will be in Lisbon in 2023 before IAHR World Congress. It will focus on fluid mechanics and data driven implication. AI and philosophy of science experts were already invited by Rui Ferreira. IAHR will charge for attending and the income will be used to facilitate following editions.

6. EMI structure

Next EMI-LT election and new co-opted members. Election will take place before Wien 2023. Ricardo Szupiany (Argentina) and Rui Aleixo (Portugal) are proposed as new co-opted members.



Summary of Deliberations and decisions

Item 5

The EMI LT deliberates that the W.A.T.E.R. core group (Margaret Chen, Rui Aleixo, Rui Ferreira, Massimo Guerrero, Marie Burckbuchler) will decide about the hosting institute. This decision will be reconsidered following the 2027 edition. Furthermore, the EMI-LT deliberates that no open call is needed, personal contacts will facilitate the choice of the hosting institute. Possible hosting candidates may be candidates as members/co-opted members in the EMI-LT.

28th October 2022

Massimo Guerrero, EMI Chair

Margaret Chen, EMI Vice-Chair

Rui M.L. Ferreira, Past Chair

All members reviewed the minutes and agreed with its content.



Annex: list of participants to the meeting

LT members and corresponding primary areas of intervention

Ana Margarida Ricardo | CERIS - IST-ID, Portugal :: IAHR Networking

Michael Nones | Institute of Geophysics, Polish Academy of Sciences, Poland :: IAHR Networking

Marie Burckbuchler | Ubertone :: Building a broader community

Massimo Guerrero, EMI Chair

Margaret Chen, EMI Vice-Chair

Rui M.L. Ferreira, Past Chair

Rui Aleixo, invited participant