

Geosci. Commun. Discuss., author comment AC2
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Reply on RC2

Margaret Chen et al.

Author comment on "W.A.T.E.R. – a structured approach for training on advanced measurement and experimental research" by Margaret Chen et al., Geosci. Commun. Discuss., <https://doi.org/10.5194/gc-2021-47-AC2>, 2022

Thank you very much for your comments and suggestions on our manuscript (MS). We will take into account all the comments and revise accordingly in the final version of this paper.

For now, we will clarify some of the points you raised.

- Your comment: Please provide links wherever websites are mentioned (e.g. lines 73 and 75).

Response: The links to the websites will be added in the revised MS.

- Your comment:

Line 80: referring to acousting and imaging velocity measurements the authors state: "This choice stems from the fact that these families of techniques are almost ubiquitous in many laboratories and field monitoring stations." I am not sure if the statement is valid for experimental facilities on pressurized flows, maybe the challenges of applying such techniques in pressurized closed conduits could be mentioned.

Response:

W.A.T.E.R. benefits from the expertise and setups of the organizing institutions. There is an emphasis on open surface flows that stems from this fact so far. Yet, we will include a remark on this observation and pressurized flows in the revised MS.

- Your comment:

Lines 85 to 97: acquisition frequency is mentioned for ADVP measurements but not for PIV, PTV or LDV, which is relevant and useful information. Would be nice if this could be included as well as accuracy thresholds.

Response:

Several measurement techniques were presented and hands-on training of each technique was provided at the W.A.T.E.R. Summer School. The measurement frequency was achieved at 100 Hz for ADVP, 50 Hz for PIV, 50 Hz for PTV, 130 Hz (short time series) and 350 Hz (long time series) for LDV. The detailed description will be added in the revised MS.

- Your comment:

Line 136: "from edition to edition..." Fig.8 does not provide the progress of participants' perception, trends could be depicted if possible.

Response: We will re-make Figure 8 and include the trends in the revised MS.

- Your comment:

Conclusions: as the workshop is already in its 6th edition, some reflection could be done in terms of impact on the career development of former participants.

Response:

For the moment, though we do not have the structured and comprehensive data to respond to this pertinent suggestion, we do have ongoing collaborations with some former participants and we are aware that some have pursued research careers. Our intention is to prepare a survey and to gather feedback from the W.A.T.E.R. alumni after the completion of the 6th edition. That will help us to assess the short and long term impact of W.A.T.E.R. on the career development of the W.A.T.E.R. alumni.

On behalf of all co-authors.