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Comment on gc-2021-47

David Ferras (Referee)

Referee 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-RC2>, 2022

This is a very interesting article explaining the W.A.T.E.R. summer school aims and its relevance for the career development of young water researchers involved in experimental work. The organization of the workshop by universities with the support of industrial partners brings the best from both worlds and for the benefit of the participants, providing the strong fundamental basis of the physical principles and assumptions applied together with state-of-the-art instrumentation.

I have some few minor comments that might help to improve the manuscript:

- Please provide links wherever websites are mentioned (e.g. lines 73 and 75).
- 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.
- Lines 85 to 97: acquisition frequency is mentioned for ADV 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.
- Line 129: correct "instrumentssuch".
- Line 136: "from edition to edition..." Fig.8 does not provide the progress of participants' perception, trends could be depicted if possible.
- Line 143: correct "wherethe".
- 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.