

## ***Interactive comment on “The Future of Earth Observation in Hydrology” by Matthew F. McCabe et al.***

**Matthew F. McCabe et al.**

matthew.mccabe@kaust.edu.sa

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See the updated Figure 2 in the attached Supplement file.

Figure 2. An Earth observing “System of Systems” for revolutionizing our understanding of the hydrological cycle. This multi-scale, multi-resolution observation strategy is not a concept: the technology exists and is largely in place now. Supporting traditional space based satellite systems, there are now a range of orbital options being driven by advances in satellite design (i.e. CubeSats), as well as the installation of demonstration sensors on-board the International Space Station. Beyond orbiting satellites, technological advances in hardware design and communications are opening the skies to stratospheric balloons and solar planes, as well as an explosion of UAV-type platforms for enhanced sensing. At the ground level, the ubiquity of mobile devices

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are expanding traditional in-situ network capacity, while proximal sensing and signals of opportunity are opening up novel measurement strategies.

Please also note the supplement to this comment:

<http://www.hydrol-earth-syst-sci-discuss.net/hess-2017-54/hess-2017-54-AC1-supplement.pdf>

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