

# ***Interactive comment on “High resolution monitoring of nutrients in groundwater and surface waters: process understanding, quantification of loads and concentrations and management applications” by F. C. van Geer et al.***

## **Anonymous Referee #2**

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Considering that the manuscript is an introductory paper that should give an overview of the general topic, it efficiently covers the state of the art on the subject. Nonetheless, I found two things that should be better addressed: a) there is a redundancy of classification and schematics that creates some confusion and makes the manuscript very repetitive. The most redundant part is the one on the time scales that: it is introduced and discussed from Line 10 to 27 in Page 3, section 1, then used for characterizing each monitoring objectives in section 2, and then again discussed in detail in a dedicated section (3). My suggestion is to shorten the manuscript by completing removing section 3. All the information contained in this section have been discussed in section

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2, where they are very useful because directly relate the time scales to the monitoring objectives. There is no reason to repeat them in the next section with a different scheme. b) Moreover, some efforts should be directed to extend outlooks in section 5 where most of the space is dedicated to a summary of what described in the previous sections. The expectations that readers have in an overview paper are to receive some inspiring and exciting viewpoints on future technical, research and management challenges; they are very limited in this version of the manuscript.

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