

Minutes WULCA-ecosystem sub working group

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Date : 2.09.2014, 9am EDT

Agenda :

1. Clarifying the objectives of the sub-working group
2. Identify who is working on what
3. Define a tentative working plan

Meeting:

1. Clarifying the objectives of the sub-working group:

- I. General Objective: of the sub-working group: development of a framework linking water use to ecosystem quality Area of Protection
- II. Specific objectives:
 - a. Analyzing (consistency, complementarity and comparability of) the existing impact pathways
 - b. Proposing a framework based on a mechanistic approach FF, XF and EF and filling in existing methods
 - c. New research works to fill in existing gaps

It has been discussed that:

- The scope of the methodological framework we are going to develop is on ecosystem quality and it should be consistent with the Bayart et al. general framework
- Although it is not the goal of this sub-group to propose a general framework encompassing other area of protections, recommendations could be done for future update of other cause-effect chains. For example a unified hydro-geological model could be used for both ecosystem quality and human health
- It makes sense to address both blue and green water to account for the impacts generated through environmental compartments that are not only the one where the water has been used
- Make sure that the proposed framework is compatible with the recommendations made for the land use impact category

2. Identify who is working on what:

- Specific objective a. is needed to meet objective b., which will be the main deliverable of this sub working group. The door is then open to integrate new research work to fill in existing gaps (c.)
- Christian Bouchard is leading the work aiming at analyzing the existing impact pathways (specific objective a.), which will set the ground for the development of the methodological framework. A first draft manuscript is on preparation
- Montse will lead the development of the methodological framework. She already drafted a seed document she intend share per next meeting
- Inga is working on the fate factor → development of a hydro-geological model

3. Define a tentative working plan:

- We agreed to start organizing our work around the three topics mentioned above.
- We proposed that first Montse, Christian and myself do some preparatory work to summarize the findings generated from specific objective a) and ensure a consistent link to a preliminary proposal framing the ecosystem quality cause effect chain. They will take advantage of the coming visit of Montse at the CIRAIG the last week of September to do so.
They will draft a proposal and share among the group for comment and discussion at our next phone call (to be planned first half of October)
- In a subsequent meeting we also agree to have the work of Inga on fate assessment presented and discussed in more details

The meeting finished at 9:50 EDT