



System of Environmental-Economic Accounting 2012 – Experimental Ecosystem Accounting Revision

First Global Consultation on:

Chapter 6: Ecosystem services concepts for accounting

Chapter 7: Accounting for ecosystem services in physical terms

Comments Form

Deadline for responses: 20 August 2020 Send responses to: seea@un.org

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The comment form has been designed to facilitate the analysis of comments. There are six guiding questions in the form, please respond to the questions in the indicated boxes below. To submit responses please save this document and send it as an attachment to the following e-mail address: seea@un.org.

All documents can be also found on the SEEA EEA Revision website at: https://seea.un.org/content/seea-experimental-ecosystem-accounting-revision

In case you have any questions or have issues with accessing the documents, please contact us at seea@un.org

Questions related to Chapter 6

Question 1: Do you have comments on the concepts and definitions for ecosystem services, benefits and associated components of the ecosystem accounting framework?

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Question 3. Do you agree with the proposed treatments for selected ecosystem services described in Section 6.4 for biomass provisioning services, global climate regulation services, cultural services, water supply and abiotic flows?

Most is clear.

Regarding the exclusion of abiotic flows from "ecosystem services", there is a case to be made about some abiotic flows which result interactions from non-living system systems (atmosphere, waterbodies) with living systems.

The provisioning of purified drinking water includes purification by living elements in soils and non-living elements in soils and deep ground layers. Similarly, the provisioning of clay for bricks, sand for concrete etc, involves the combination of abiotic (energy) flows (sunlight, rain, wind), and ecological work by living (aquatic plants, tree-roots) and non-living elements in river (tributary) ecosystems.

I suggest to include a note in the chapter that this exclusion of abiotic flows from ecosystem services is still being researched. We have published a few papers in the Ecosystem Services Journal on this topic.



No comments.
Questions related to Chapter 7
Question 5. Do you have comments on the proposed recording approaches for ecosyster upply and use tables described in section 7.2?
The principle of equating supply and use volumes (weights) is understandable for the physical components. However, beware of the loss of useful energy in all flows whice stretch over time and space (2 nd law of thermodynamics). This means that upon arrival is the place and at the time of use, either energy had to be added to prevent losses, or quality may be affected (e.g. when fruit is transported, it has to be cooled at energy cost, or depreciates and quality is lost).
Question 6. Do you have any other comments on Chapter 7?
No comments

