Developing ES classification(s) for ecosystem accounting: introduction to key issues & questions

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Key decisions for ES classifications

- Understand role of ES classifications in relation to SEEA EEA (ecosystem accounting)
- How important is it to connect ES-related work across different application domains (accounting, mapping etc.)?
- Define scope of ES to be covered:
 - Environment/economy boundary (what is part of nature and what is a 'benefit' [SNA v non-SNA] ?)

— What is part of the ecosystem (atmosphere, water etc.) ?

- Use of (ecological) production functions (to identify final ES, i.e. the contribution of nature in joint production)
- Identify best structural set-up for classification, e.g. what should be the entry points for a hierarchical set-up and how to characterise them?
- Develop statistical criteria for ES classification for SEEA EEA

Classifying ES for ecosystem accounting - what do we need ?

 We need a classification of ES for the purpose of establishing a shared reference (a "standard") that facilitates comparison across different research fields and application domains

> -> easier sharing of results, building of shared knowledge

 We need an approach / framework for identifying final ES for ecosystem accounting purposes (SEEA EEA – match of supply and demand)

> -> practical application of ES classification together with other SEEA EEA components

What are the characteristics that match these needs, are they the same for both purposes ?

Suggested characteristics ("criteria"?) for reference ES classification

- Purpose of ES flow as the main characteristic for identifying (and naming) ES flow classes and higher level aggregation categories (so what do they do to create a benefit, i.e. regulating a water flow, contributing to human nourishment etc.)
- Ability to connect to other ES classifications in different application domains
- Suitability for ecosystem accounting:
 - Help avoid double counting
 - Hierarchical organisation
 - Clear and concrete ES categories
 - Ability to compile a complete set of ES flows
 - Be practical and feasible

Suggested characteristics ("criteria"?) for "reference framework for identifying final ES" for ecosystem accounting

- Be able to link supply and use in concrete terms
- Have clearly defined links between elements / modules on supply and use side
- Enable + identify a discrete match between modules so individual ES flows can be coded and hence aggregated/compiled per module or type of flow
- Cover all possible linkages relevant for ecosystem accounting
- Be designed to avoid double counting
- Be practical and feasible

Overview of key methodological questions I

- "Multi-purpose" or SEEA-EEA focused ?
- "Scope": Environment/economy boundary (where is it and how to define & measure it)
- "Scope": What is part of the ecosystem (atmosphere, water etc.) ?
- "Scope": What is a 'benefit' [SNA v non-SNA] ?
- Use of (ecological) production functions (to identify the contribution of nature) – what are they and how can we implement them?
- Economic production functions their use in this context
- Key principles ("statistical criteria") for ES classification(s)

Overview of key methodological questions II

- What is the best suitable (hierarchical) structure
- What should be the entry points for a hierarchical set-up and how to characterise them?
- Aggregation of what & how ?
- Metrics for measuring "end-products of nature" / the ecosystem contribution?
- Influence of scale on approach and metrics?
- Other ??

Identifying next steps for comparative research

- What are the key conceptual issues to review?
- What is the best mechanism for that?
- Practical case study-based comparison:
 - How to set it up?
 - What are the key factors for comparison?
 - How to document the results acad. paper, report to UN expert forum?
- How to feed the outcome of this work back into UN SEEA fora?

The foreseen process for the workshop and documenting outcomes

- 1) Starting point: technical background document and presentations & identified key questions
- Workshop discussions to be documented via amending the technical background document, in particular the outcome sections 3 + 4
- 3) Draft version of outcome section 3 to be tabled on Friday morning
- After workshop the organisers will revise the technical background document & other material for documentation
- 5) Consultation among participants -> further revision
- 6) Feeding of final workshop outcome into draft technical recommendations for SEEA EEA and possible additional expert discussion