

Bonn, 24 April 2018

Expert meeting on Ecosystem Valuation in the context of Natural Capital Accounting

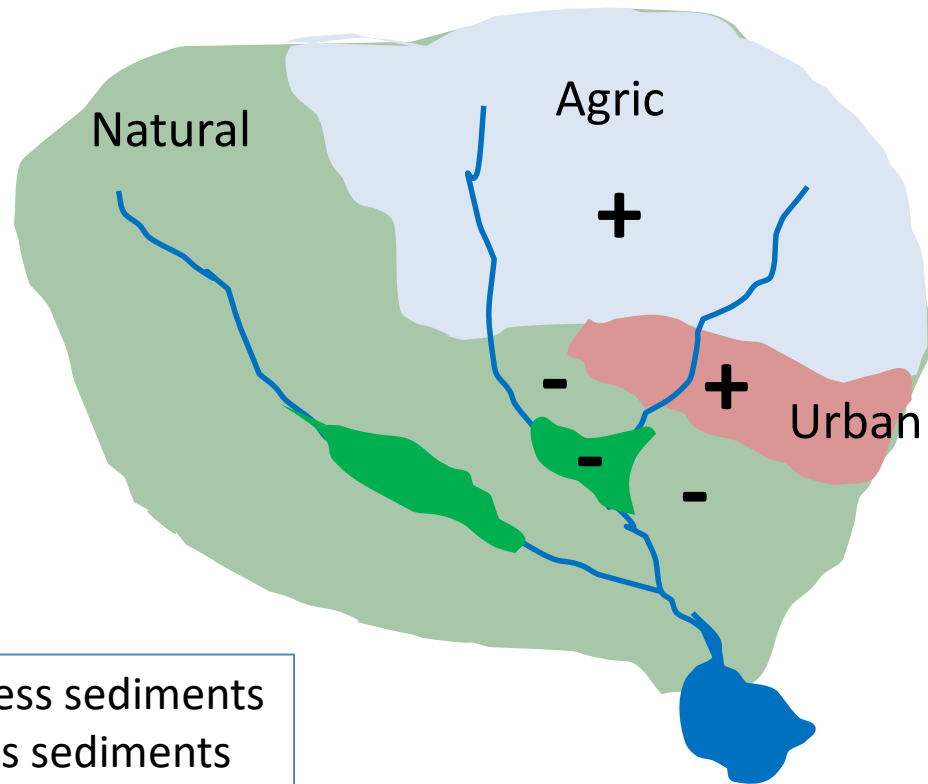
# Erosion control and sediment retention

# Summary of discussions

- Conceptualization of what is valued still tricky - Why?
  - Sediment retention and erosion control are often treated the same
  - How to treat erosion prevention (with no counterfactual land use change)
  - There can be positive and negative effects of sedimentation
- Unresolved issues:
  - Passive vs. active services
  - How to treat external costs of increased sedimentation?
- What recommendations can we make?
  - Accounting approach does help to conceptualize / frame what the service is – in terms of looking for the “transaction” between ecosystem assets and beneficiaries.
  - Develop a schematic and example to guide the conceptualization
  - Replacement and avoided costs methods can be used (with important conditions – need rigorous process to do this)
  - There is guidance on most methods applied in this assessment process but still a need to wrap it together, particularly for use in accounting context.

# Erosion control and sediment retention

Does the natural area provide a “passive” service by preventing erosion?



Downstream ecosystem/  
reservoir/HEP  
station/canal/harbour