

CLIMES-symposium 6.-7.9.2012

Remote sensing in the mapping of biodiversity, habitats and ecosystem services

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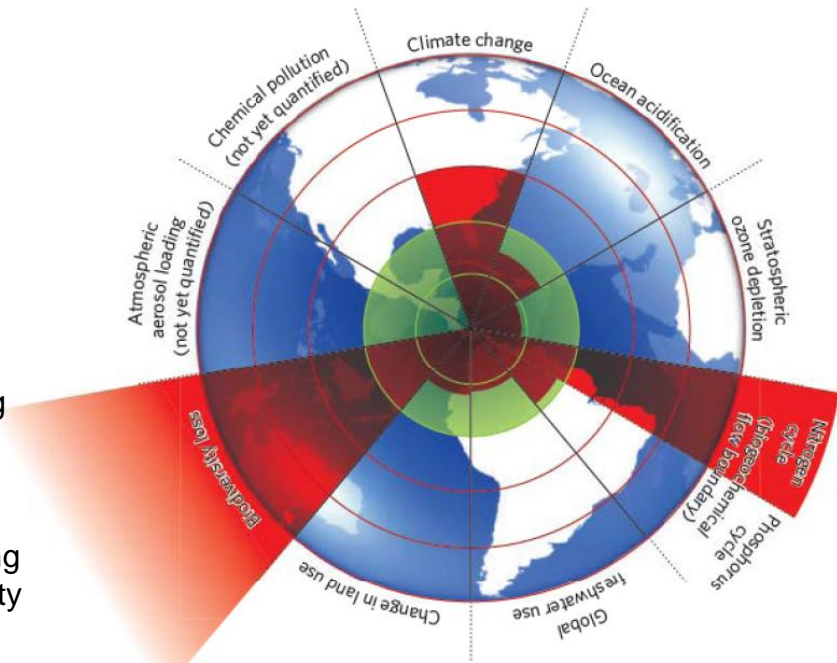
Ecosystem Change Unit



Introduction to the theme

CLIMES-SYMPOSIUM
Remote sensing in
the mapping of
biodiversity, habitats
and ecosystem
services
6–7. Sept. 2012

- **Why?**
Biodiversity is threatened.
Biodiversity underpins ecosystem services.
Biodiversity-loss affects to ecosystem services.
Biodiversity is non-renewable natural resource.



Rockström et al. 2009: A safe operating space for humanity. Nature 461: 472-475.

Rockström et al. 2009: Planetary boundaries: Exploring the safe operating space for humanity. Ecology and Society 14(2).



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- **What for?**

Biodiversity mapping and inventorying is time-consuming and needs expertise.

Technical solutions are developing fast.

Combining remote sensing with field work can help up-scaling the findings.

Effective management needs knowledge: what is out there in nature?



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- **Why now?**

There is policy-support and arising activities:

1) EU Biodiversity Strategy for 2020

* including WG MAES

2) IPBES

3) GEO BON

4) JRC approach





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- **Linkage to ecosystem services?**

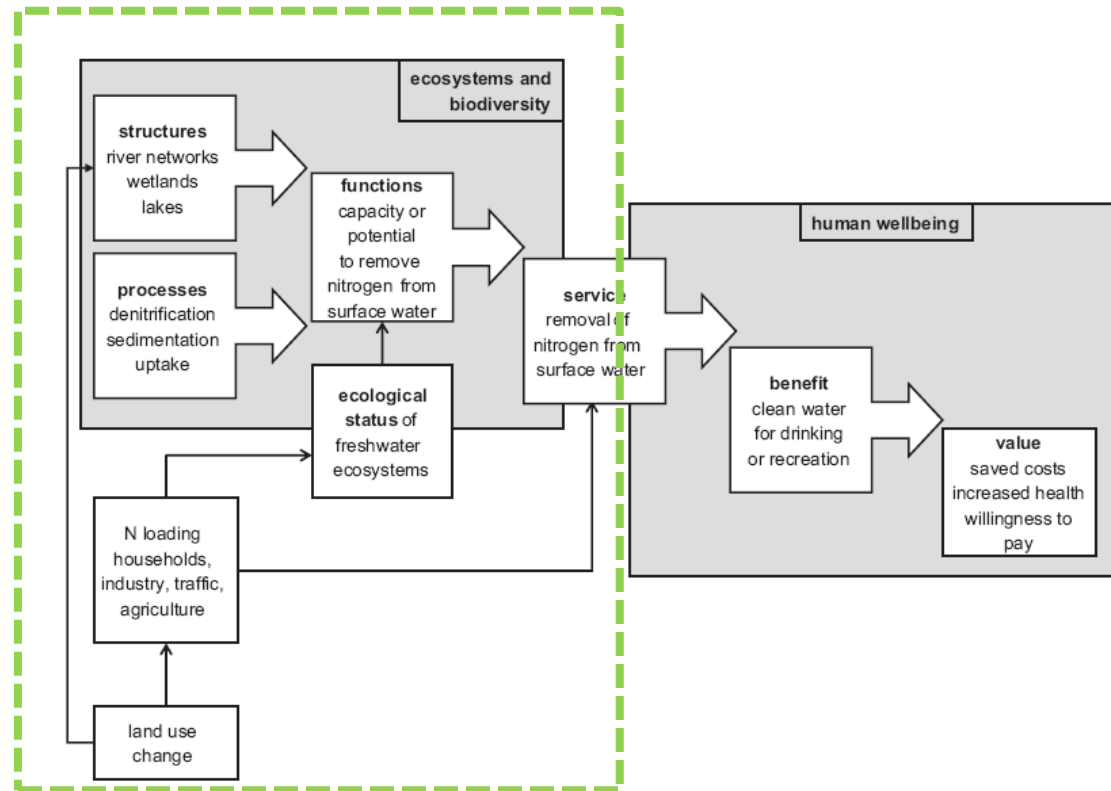


Fig. 1. Application of the ecosystem services cascade framework to water purification.

Please cite this article as: Maes, J., et al., Mapping ecosystem services for policy support and decision making in the European Union. Ecosystem Services (2012), <http://dx.doi.org/10.1016/j.ecoser.2012.06.004>



Have a fruitful symposium!

