

Ecosystem Science for Policy & Practice

WP3 - Knowledge:

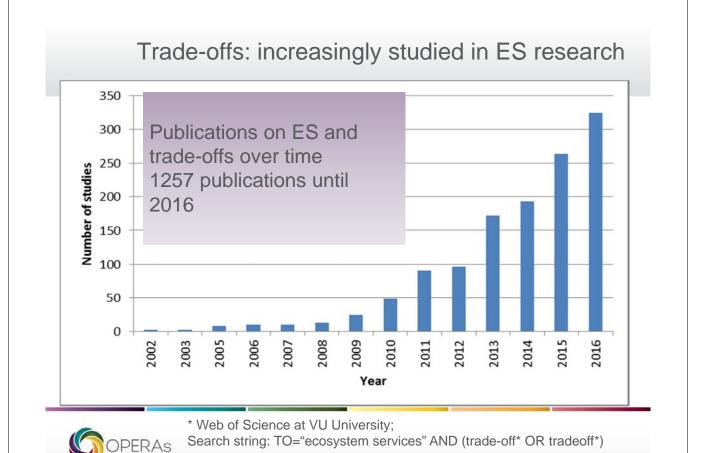
Synthesis on navigating ES trade-offs in land use and land management (D3.7)

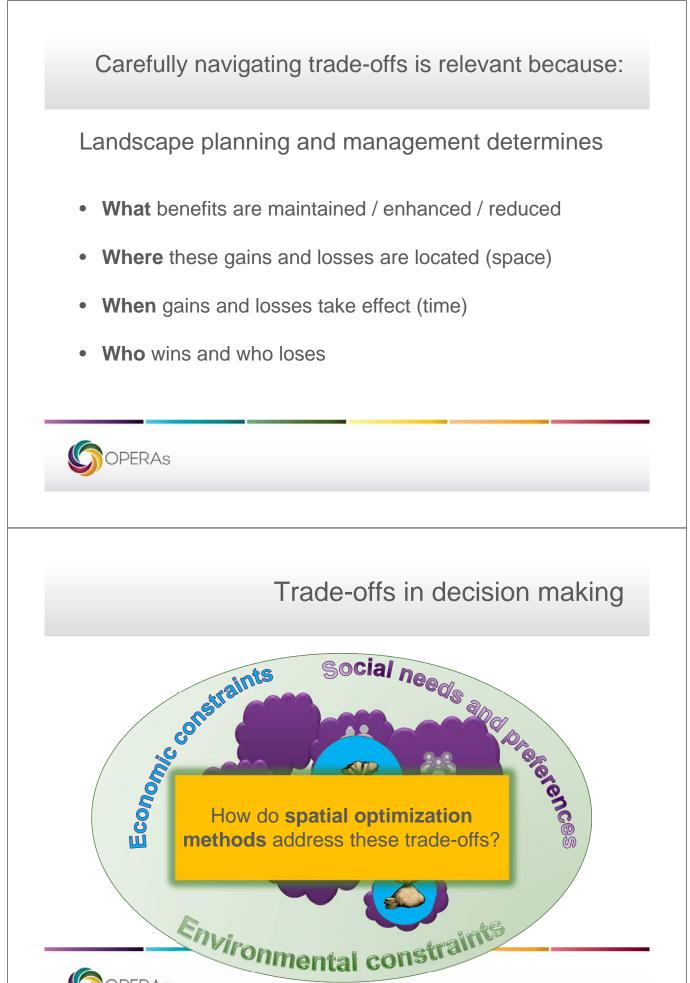
Astrid van Teeffelen



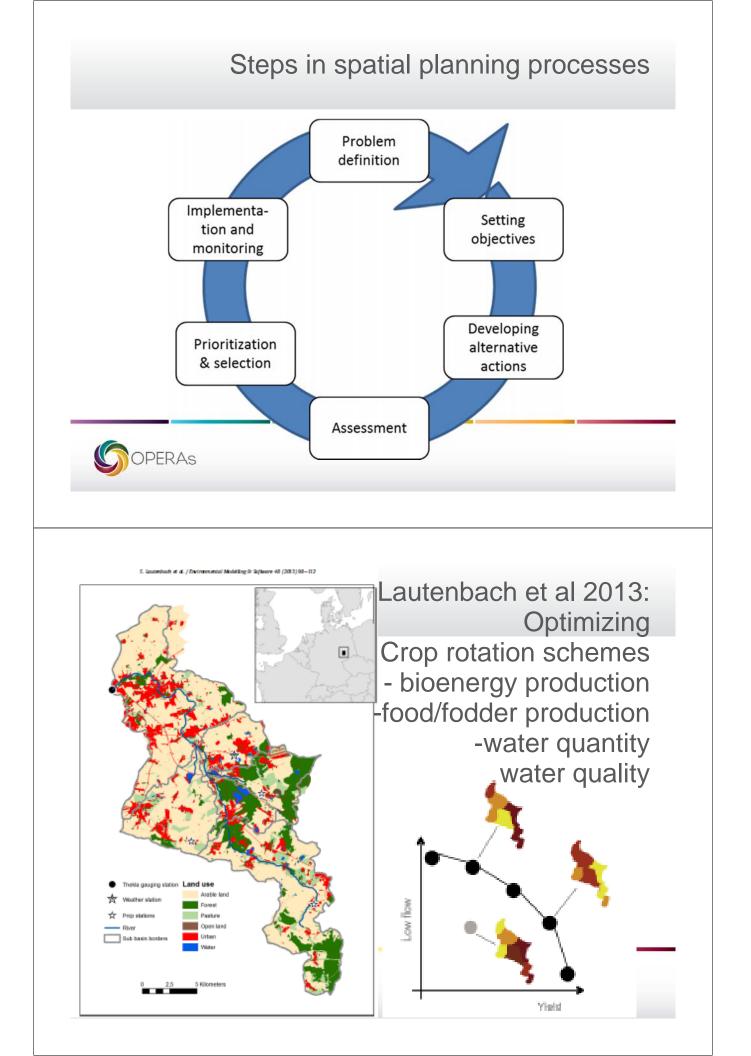
Karlsruhe Institute of Technology

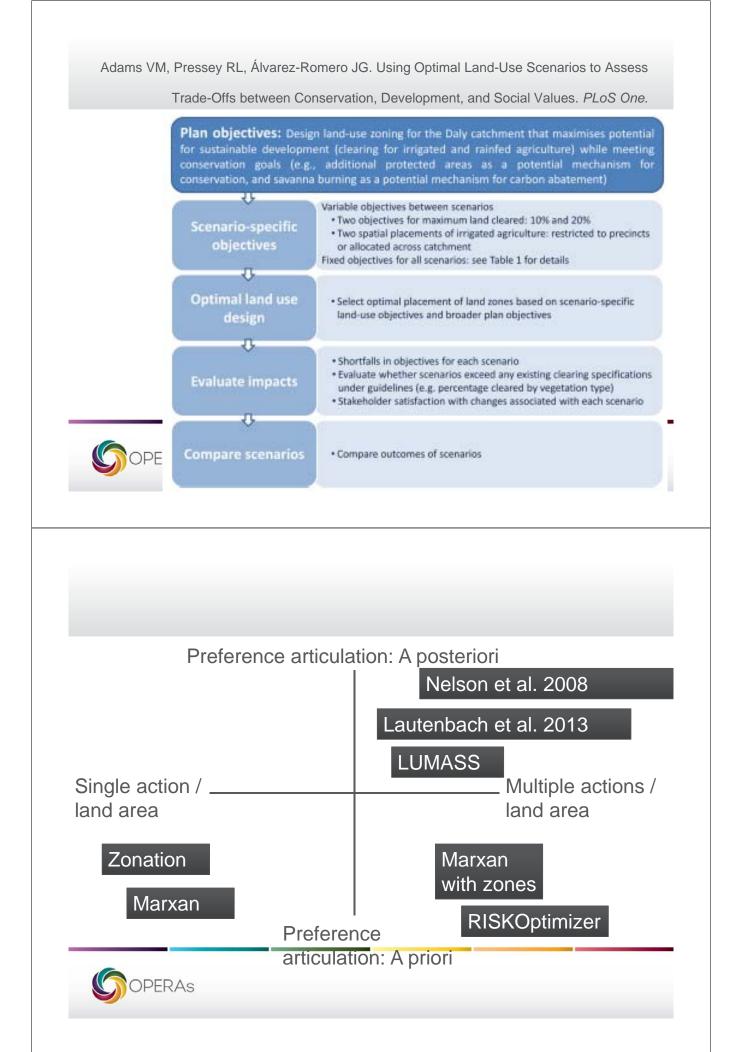






**DPERAs** 





- The field of ecosystem services is actively testing and developing ways to integrate ecosystem services into land use planning, including through the use of optimization decision support tools.
- a wide variety of approaches originating from e.g. conservation planning, agricultural sciences and land use modelling.
- While most of the studies reviewed here are merely academic exercises still, there are also reports of actual on-the-ground planning studies.



Many studies/methods originate from biodiversity conservation planning. Important differences with ecosystem services:

- The role of beneficiaries / ES flows (conservation areas may be located in remote places, for many ES this is not an option)
- Input data: species one may count, estimate population viability – for ES quantification is often not straightforward and many different techniques are needed
- Setting quantitative objectives for ES...



