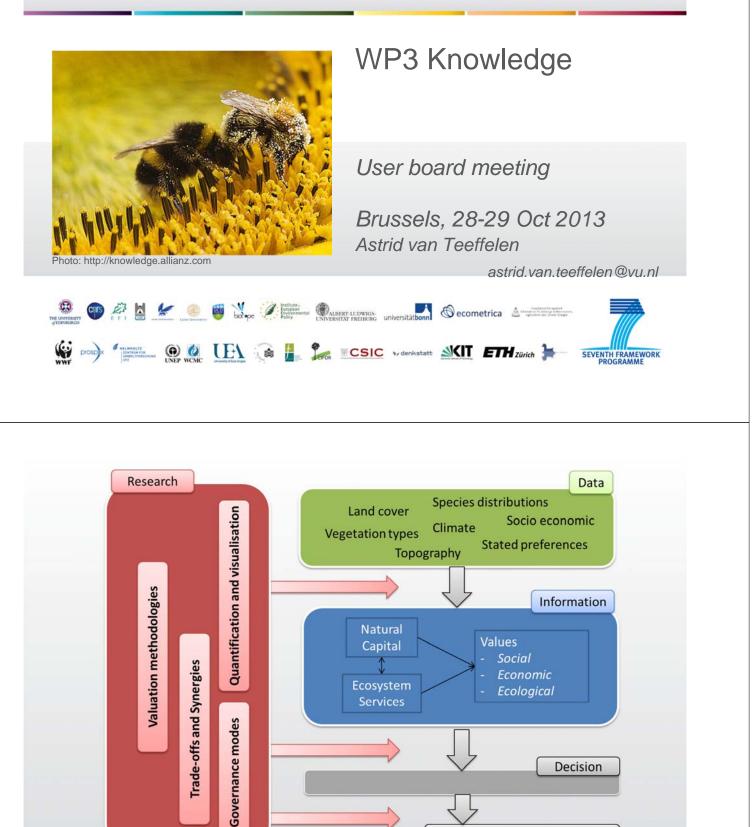
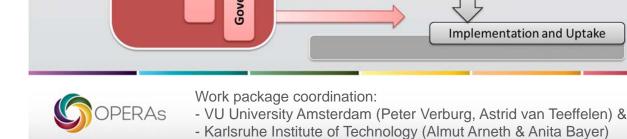


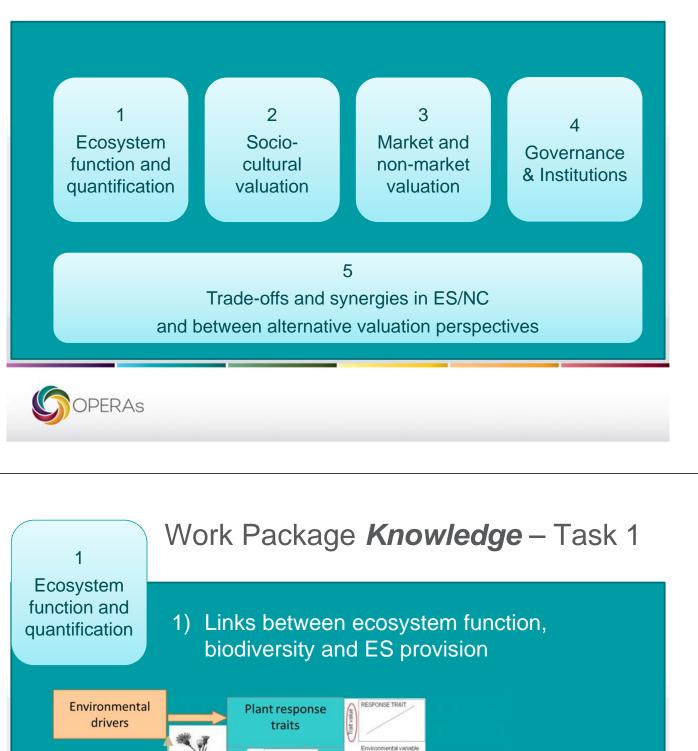
Decision

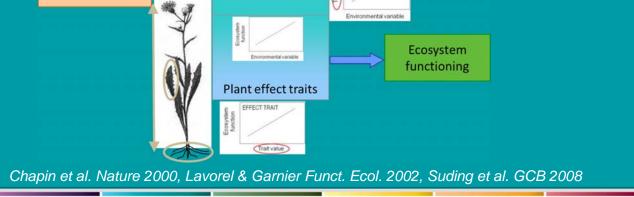
Implementation and Uptake





## Work Package Knowledge - 5 tasks







Task coordination:

- Karlsruhe Institute of Technology (Almut Arneth & Anita Bayer)

## Work Package Knowledge - Task 1

Ecosystem function and quantification

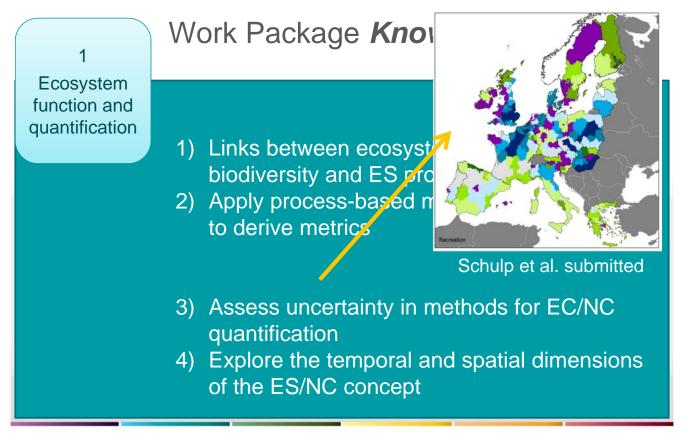
- Links between ecosystem function, biodiversity and ES provision
- 2) Apply process-based modeling frameworks to derive metrics

GHGV CO2[1/ha](log

Digital vegetation model / climate model (LPJGuess) Arneth et al.

OPERAs

Task coordination: - Karlsruhe Institute of Technology (Almut Arneth & Anita Bayer)



(COPERAs

Task coordination:

- Karlsruhe Institute of Technology (Almut Arneth & Anita Bayer)

## Work Package Knowledge - Task 3

Market and non-market valuation

2

Sociocultural valuation

3

Improve estimates and transferability of economic values for environmental services.

(1) providing a state-of-the-art review of environmental valuation techniques

(2) expanding existing meta-analysis databases with socio-economic and biophysical data, and testing and validating the improved environmental value functions

(3) providing a critical review of existing accounting techniques and ways to integrate economic ES values in accounting frameworks

(4) comparing ES value estimates with existing ES payments and assessing the effectiveness and efficiency of mixing different policy instruments

Task coordination: VU University Amsterdam (Mark Koetse)

## Work Package Knowledge – Task 2

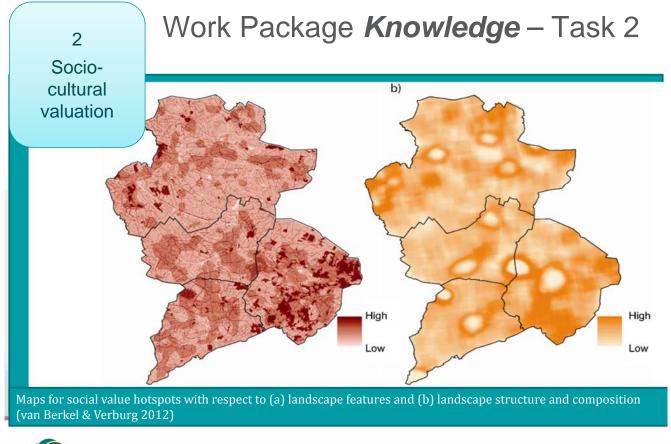
1. Develop and test methods to measure social and cultural values attached to ES especially in cases where existing economic valuation methods are less effective.

- 2. To demonstrate the relationship with economic and individual values/motivations.
- 3. To integrate values with ES function quantification and economic valuation to support the development of new instruments.

Task coordination:



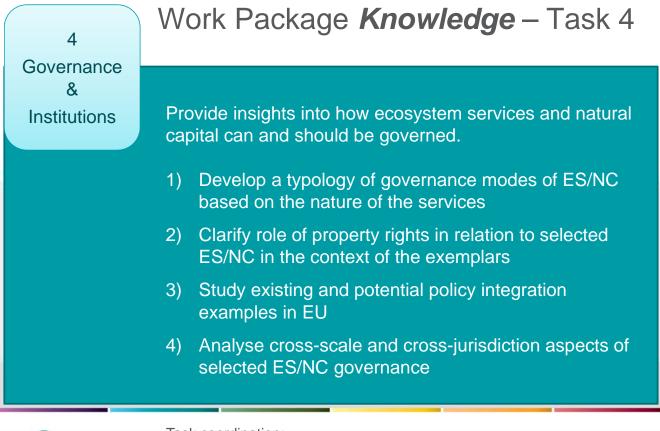
- University College Dublin (Marcus Collier & Graig Bullock)





Task coordination:

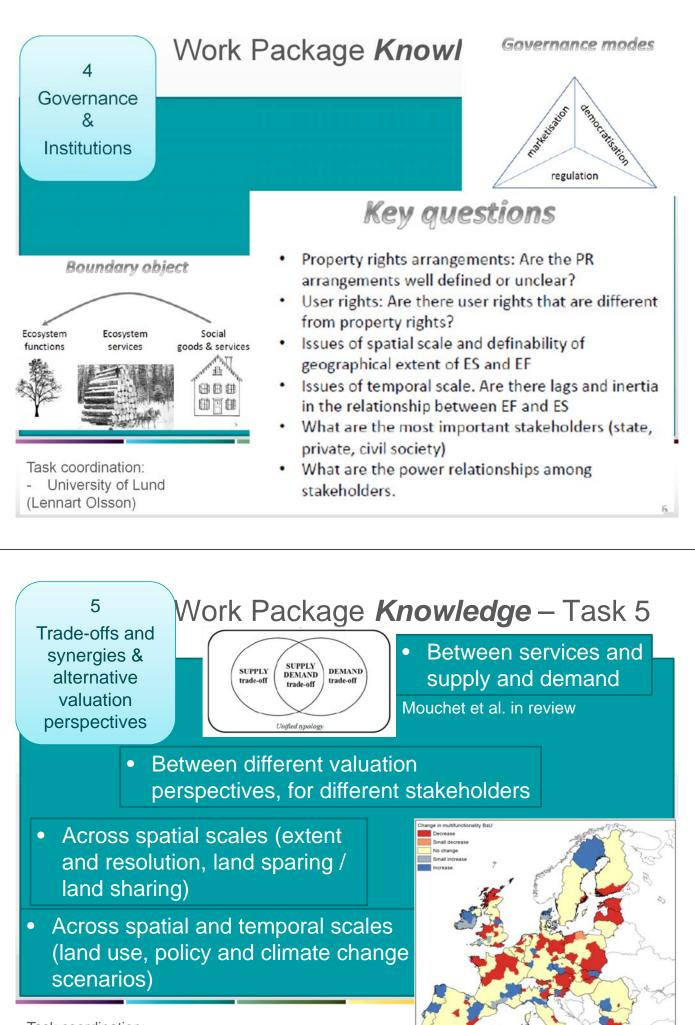
- University College Dublin (Marcus Collier & Graig Bullock)



OPERAs

Task coordination:

- University of Lund (Lennart Olsson)



Task coordination: - VU University Amsterdam (Astrid van Teeffelen & Peter Verburg)

Schulp/Van Teeffelen et al. in prep