



# Operationalisation of natural capital and ecosystem services: from concepts to real- world applications

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# EU biodiversity barometer 2015

We have a responsibility to look after nature 76% 21% 2% 0% 1%

Looking after nature is essential in tackling climate change 67% 27% 3% 1% 2%

Our health and well-being are based upon nature and biodiversity 60% 33% 4% 1% 2%

Biodiversity and healthy nature are important for our long-term economic development 56% 35% 4% 1% 4%

Biodiversity is indispensable for the production of goods such as food, fuel and medicines 53% 36% 5% 1% 5%



EU28



From concepts to real-world applications  
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# Natural Capital

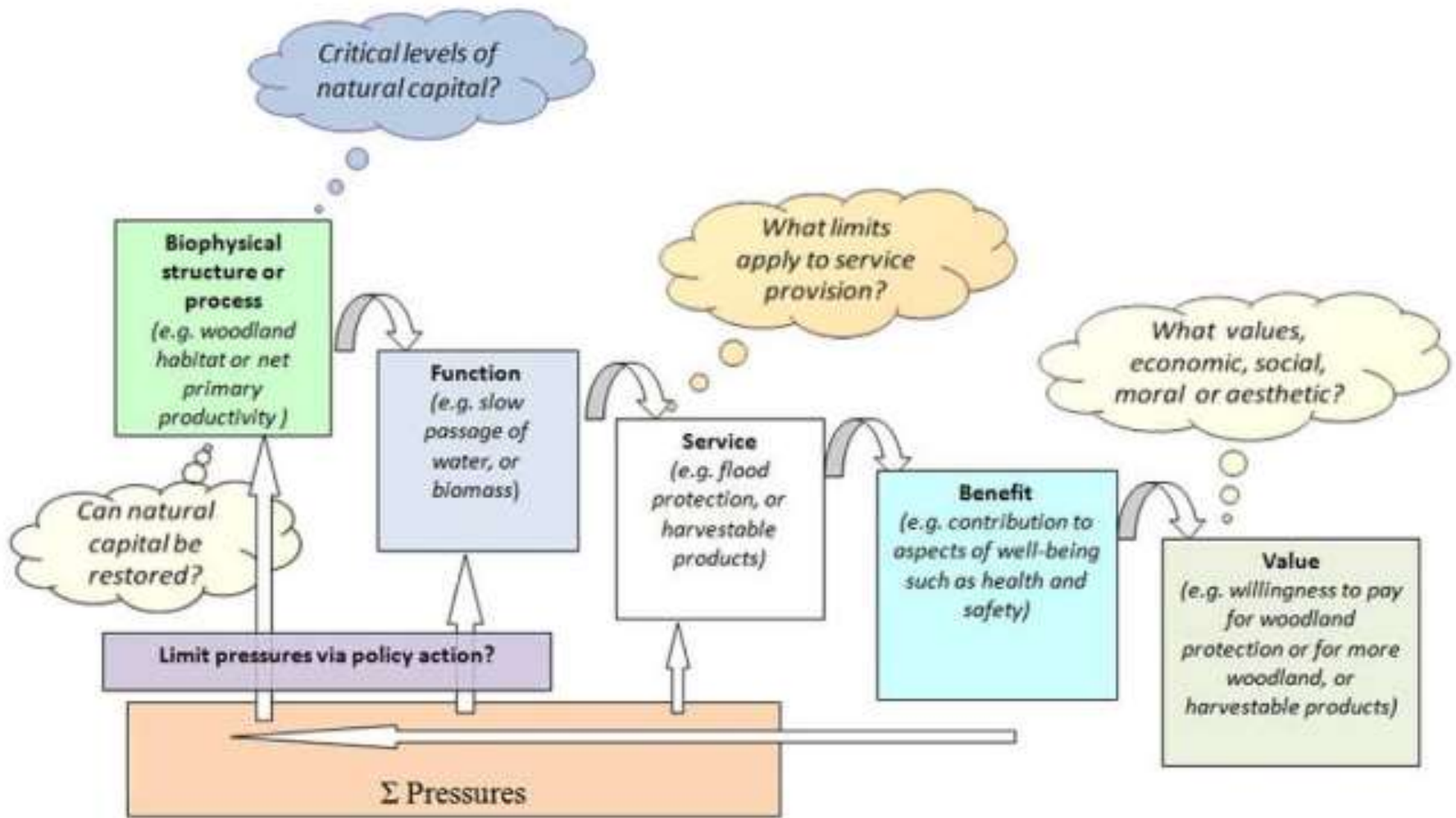
The elements of nature that directly or indirectly produce value for people, including ecosystems, species, freshwater, land, minerals, air and oceans, as well as natural processes and functions. The term is often used synonymously with natural asset, but in general implies a specific component.

## Ecosystem Services

The direct and indirect contributions of ecosystems to human well-being.



# The cascade model



# OpenNESS...

- aims to translate the concepts of natural capital and ecosystem services into operational frameworks that provide tested, practical and tailored solutions for integration into land, water and urban management and decision making.
- EU FP7 funded, Dec. 2012 to May 2017
- coordinated by the Finnish Environment Institute (SYKE)
- 35 partners, from 14 European and four non-European countries



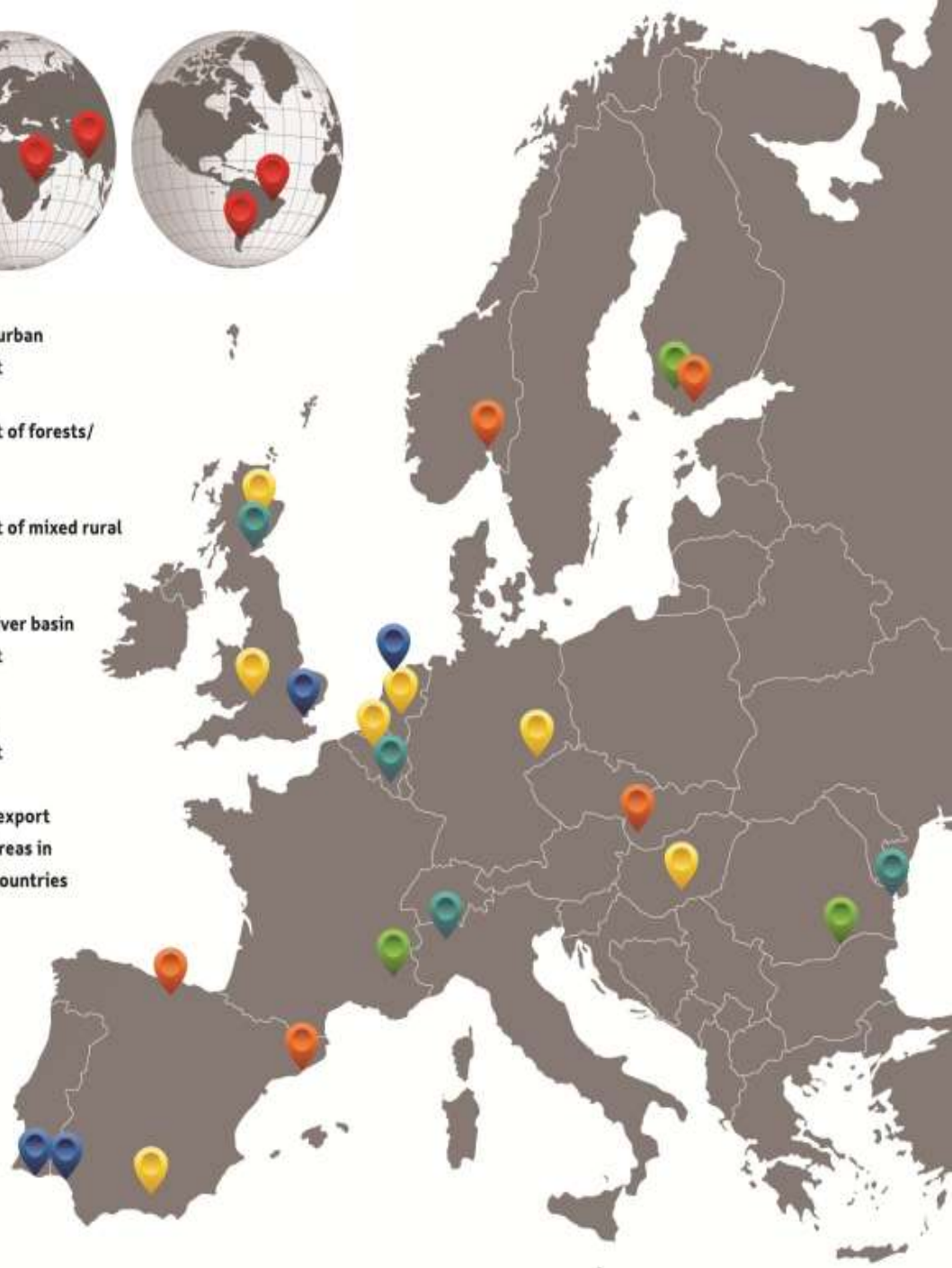
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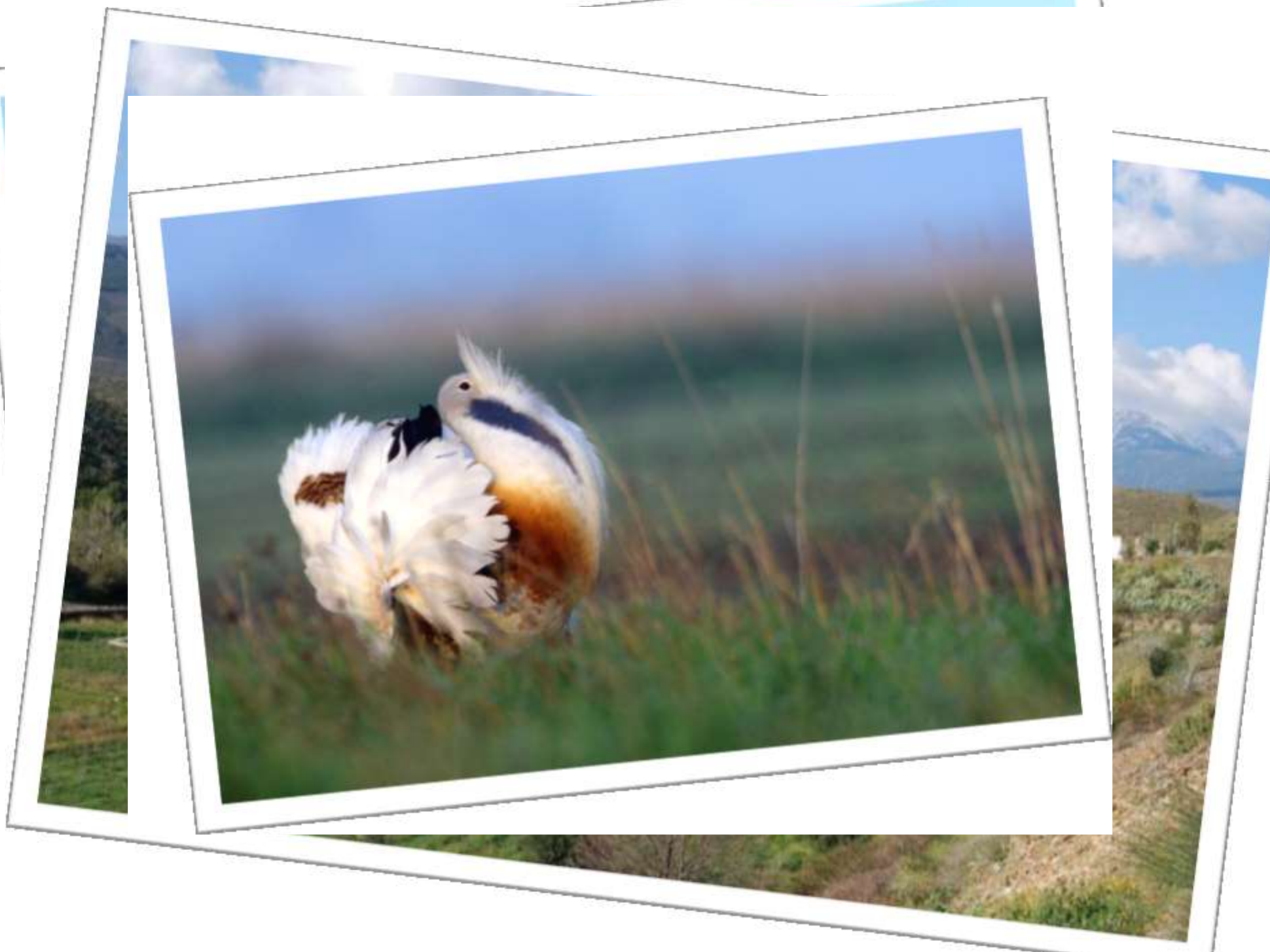
# Case studies



-  Sustainable urban management
-  Management of forests/ woodlands
-  Management of mixed rural landscapes
-  Integrated river basin management
-  Coastal area management
-  Commodity export dominated areas in developing countries







## Case studies: aim

To work **collaboratively with stakeholders** in each case study to **identify the problems** they face in **operationalising the Natural Capital (NC) and Ecosystem Services (ES) concepts** in their specific policy and decision-making context



# Case studies: method

To **apply and refine the methods** and models developed in the project to the case studies to **test their relevance and usefulness** in an iterative manner



## Case studies: output

**Characterise any common lessons that can be learnt on the operational potential of the ES and NC concepts across the multi-scale case studies.**



# Case studies: early lessons

- Holistic approach with local stakeholders is essential for assessing NC and ES
- Collaborative modelling and landscape planning decision support tools are helpful
- Visualisation of places that provide ES helps capture views and knowledge of local stakeholders
- Participatory methods help in conflict resolution





# What is Oppla?

The Oppla logo and brand name. The logo icon is a teal circle with a white leaf-like shape inside, followed by the word "oppla" in a lowercase, grey, sans-serif font.

A virtual hub where you will find the latest thinking on nature-based solutions



# What is Oppla's purpose?

The purpose of Oppla is simple:



to help you **collaborate,**  
**innovate** and **communicate**



# Oppla is ...

- A community
- An enquiry service
- A marketplace
- A portal
- Future proof

To receive updates about Oppla visit the website, register for the mailing list and be there for the start of this exciting new community!

[www.oppla.eu](http://www.oppla.eu)



**Applying the concepts of natural capital  
and ecosystem services wisely, supports  
biodiversity conservation**

**Ecosystem services is not about selling  
nature**



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Thank you / ευχαριστίες



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