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# LANDMARK

LAND MANAGEMENT: ASSESSMENT, RESEARCH, KNOWLEDGE BASE



How do we increase our productivity?

DEMANDS ON OUR LAND



# DEMANDS ON OUR LAND

We need better water regulation by our land...



# DEMANDS ON OUR LAND

We need to protect our  
carbon resources

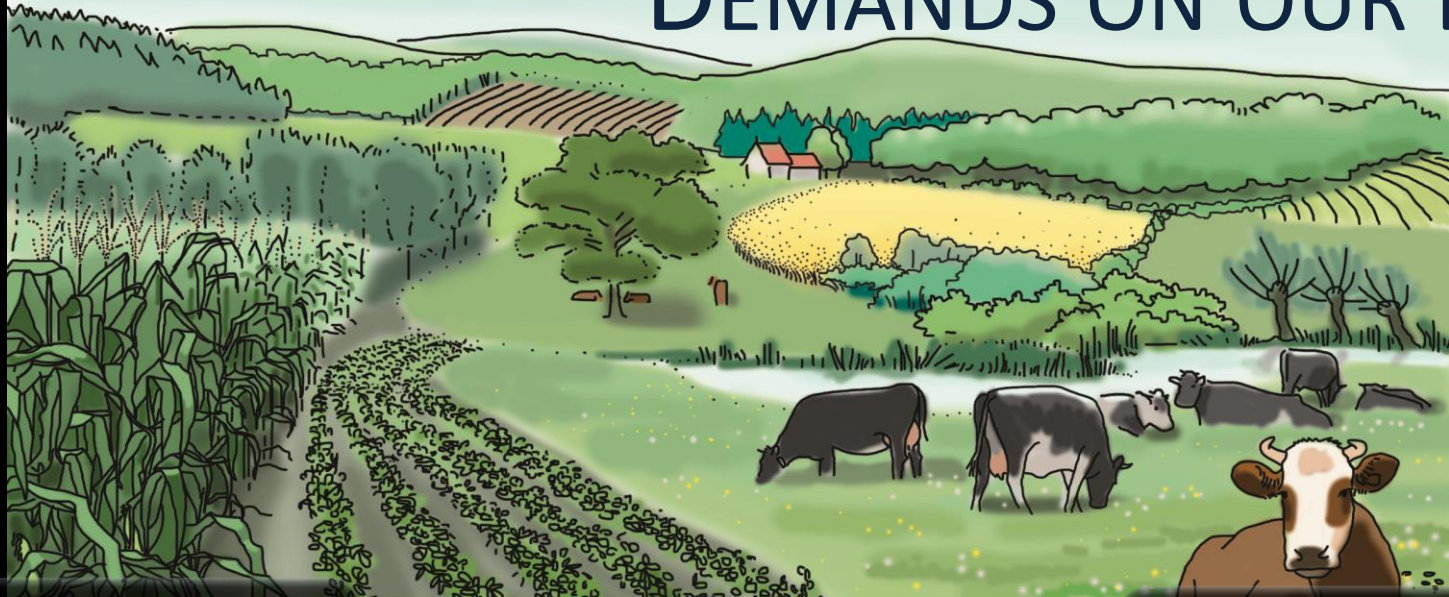


# DEMANDS ON OUR LAND

We need to find a home for our waste...

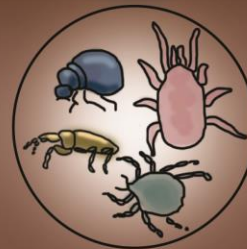
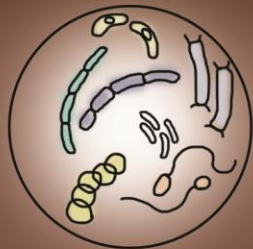


# DEMANDS ON OUR LAND



Soil biodiversity is the driver of many processes in soils

Protect the home of biodiversity



# WHAT CAN OUR LAND SUPPLY?

All soils / land perform all functions...

Category:

fuel

...but different parts of the land(scape) are better at delivering different functions

- Habitat function
- Nutrient cycling



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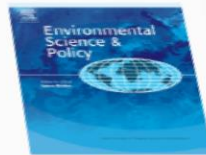
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ELSEVIER



## Functional land management: A framework for managing soil-based ecosystem services for the sustainable intensification of agriculture<sup>☆</sup>

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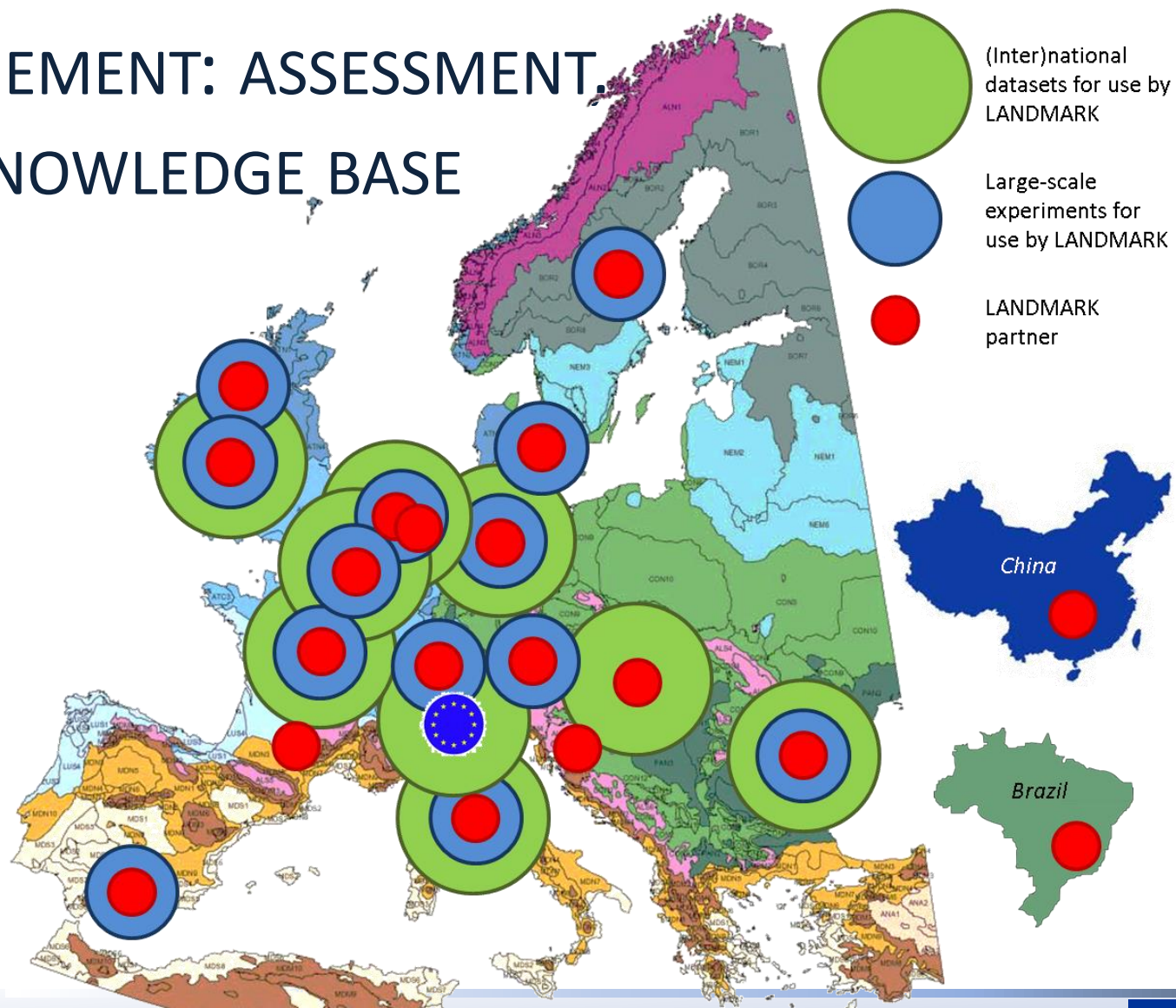
# WHAT CAN OUR LAND SUPPLY?





# LANDMARK

LAND MANAGEMENT: ASSESSMENT,  
RESEARCH , KNOWLEDGE BASE



# LANDMARK OBJECTIVE



**Overall objective:** to quantify the supply of soil functions across the EU as determined by soil properties, land use and soil management practices.

# SPECIFIC OBJECTIVES

- 1. Farm scale:** Develop an agricultural Decision Support Tool (DST) for soil management
- 2. Country scale:** Design a monitoring scheme for Soil Functions that is applicable at regional scale, for a range of soil types, land uses and pedo-climatic zones;
- 3. EU scale:** Develop a policy framework for 'Functional Land Management' at European scale that aims to optimise the sustainable use of Europe's soil resource

