






Integrated Spatial Planning, land use and
soil management Research ActTION

INSPIRATION – a Strategic Research Agenda on Soil, Land-Use and Land Management in Europe

On behalf of the INSPIRATION consortium and using input by Linda Maring
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TerraEnvision 2018
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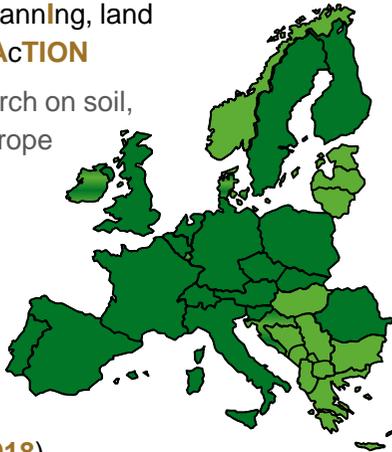
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- **INSPIRATION** = **IN**tegrated **S**patial **P**lanning, land use and soil management **R**esearch **A**ctTION
- Call SC5-10b-2014: Structuring research on soil, land-use and land management in Europe
- **17(+4) countries** and Advisory Board
- Coordinated by German Environment Agency
- Funded by EC as Coordination and Support Action under Horizon2020 grant agreement No. 642372
- Duration: 36 months (**03/2015 – 02/2018**)





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INSPIRATION goal

- **Establish & promote a Strategic Research Agenda (SRA) for Europe**
 - for **land use, land-use changes and soil management**
 - considering current & future **societal challenges**
 - Bottom-up and **demand-driven**
 - Establishing a **transnational network**

- This SRA will help **public and private research funders identify research** in soil and land to invest in, to innovate and **contribute to a greener, more resource efficient, and more competitive Europe**

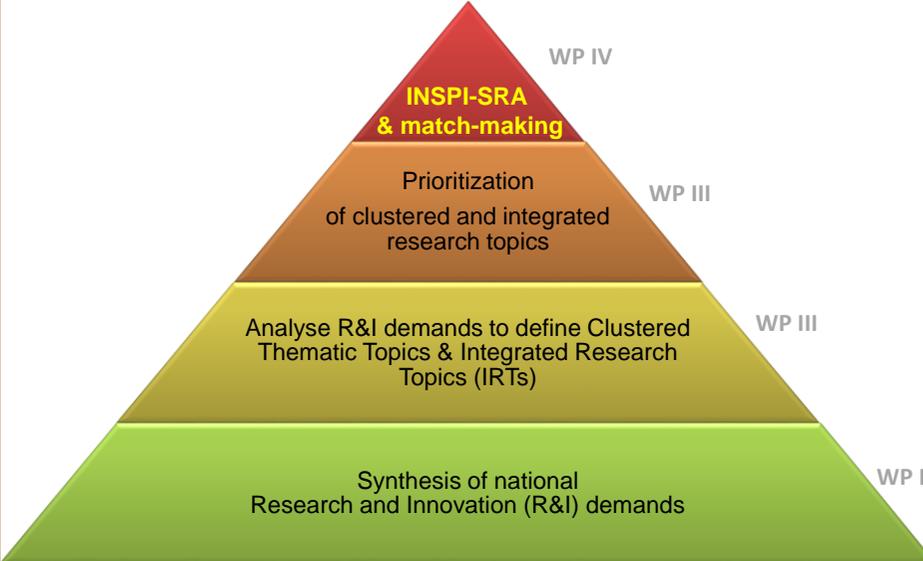


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Bottom-up approach





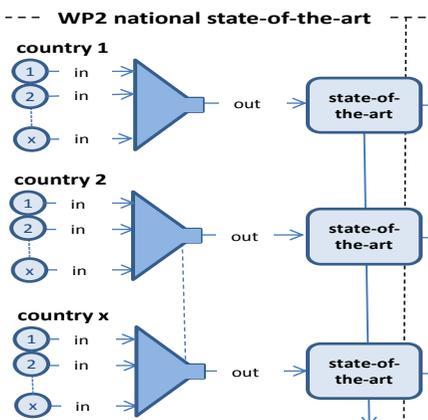
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WP2: National Demands of research from industry, end-users and funders

WP2 national state-of-the-art



State-of-the-art on:

- R&I needs
- connection science-policy/practice
- national funding schemes
- transnational funding schemes







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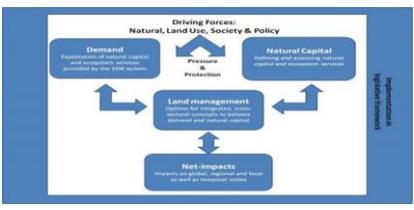

WP3: Transnational commons aggregated under integrated themes



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- Demand orientation
- Clustering of topics to conceptual model

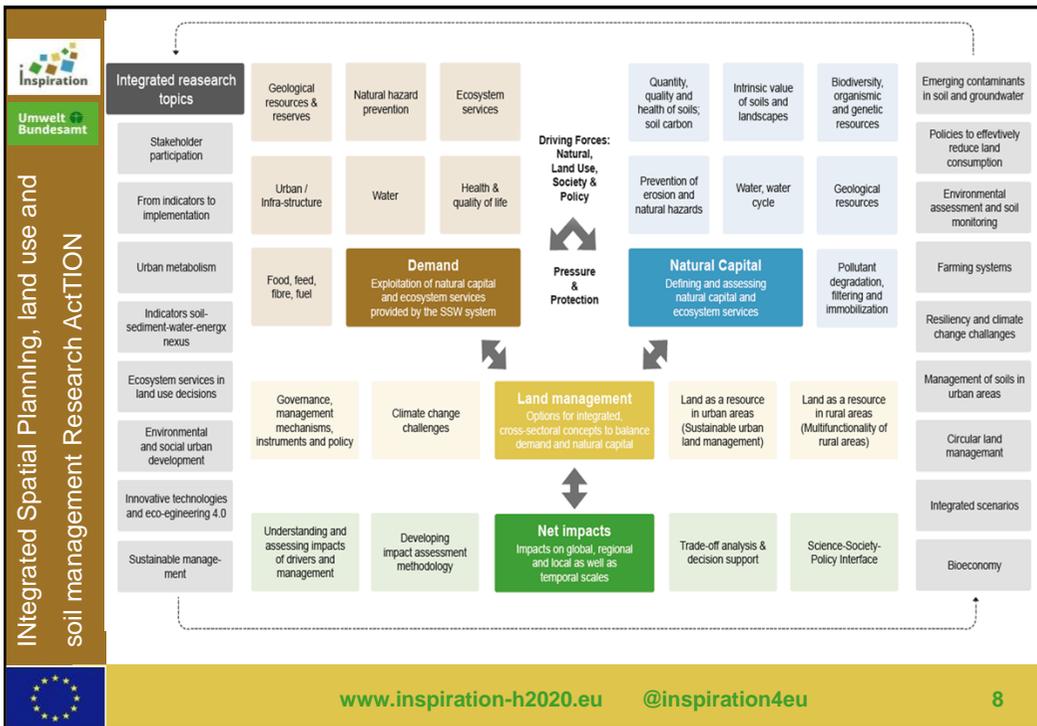
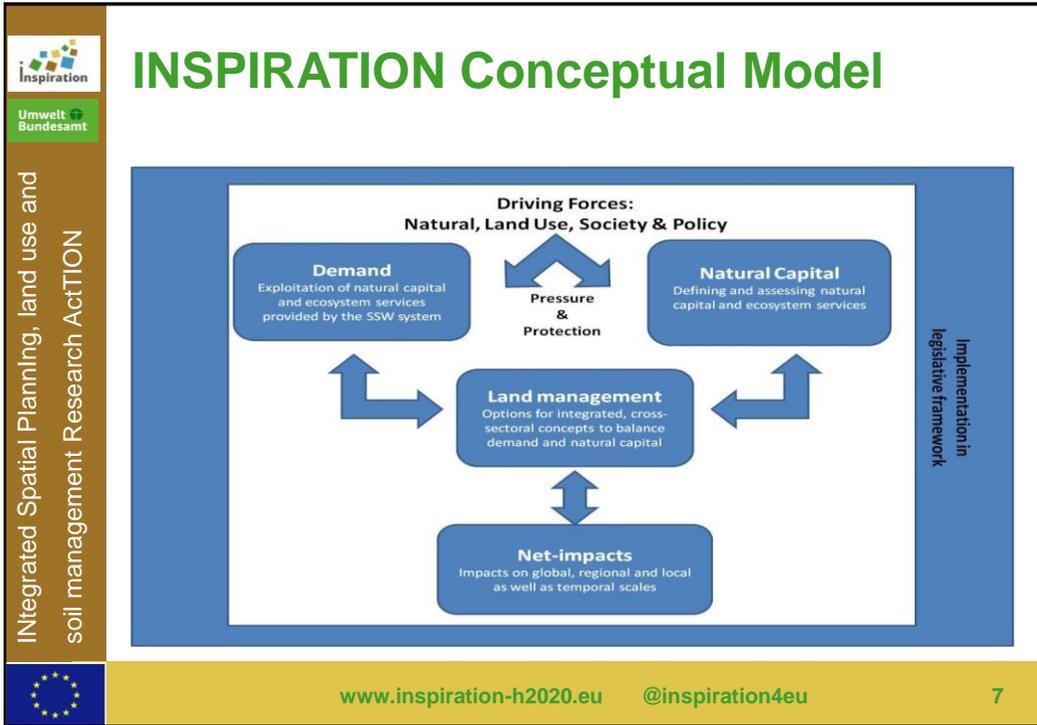
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The United Nations Sustainable Development Goals

1 NO POVERTY
2 ZERO HUNGER
3 GOOD HEALTH AND WELL-BEING
4 QUALITY EDUCATION
5 GENDER EQUALITY
6 CLEAN WATER AND SANITATION
7 AFFORDABLE AND CLEAN ENERGY
8 DECENT WORK AND ECONOMIC GROWTH
9 INDUSTRY, INNOVATION AND INFRASTRUCTURE
10 REDUCED INEQUALITIES
11 SUSTAINABLE CITIES AND COMMUNITIES
12 RESPONSIBLE CONSUMPTION AND PRODUCTION
13 CLIMATE ACTION
14 LIFE BELOW WATER
15 LIFE ON LAND
16 PEACE, JUSTICE AND STRONG INSTITUTIONS
17 PARTNERSHIPS FOR THE GOALS
SUSTAINABLE DEVELOPMENT GOALS

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Digital web-based SRA on line available

- Research and innovation (R&I) needs as identified by more than 500 European funders, end-users, scientists, policy makers, public administrators and consultants as the baseline for the SRA.
- Strategic Research Agenda**, www.inspiration-agenda.eu

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Evaluation of the INSPIRATION approach

Science of the Total Environment 622–623 (2018) 1408–1416





Contents lists available at ScienceDirect

Science of the Total Environment

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Soil and land use research in Europe: Lessons learned from INSPIRATION bottom-up strategic research agenda setting

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Some findings

- The bottom-up approach based on stakeholder engagement was well received by all stakeholders and helped to create co-ownership of the SRA
- The identified knowledge gaps helped differentiate activities:
 - knowledge creation,
 - knowledge transfer,
 - demonstration,
 - training and education,
 - survey and monitoring,
 - networking

A problem in practice is not solely due to a lack of scientific knowledge but to the effective and widespread application of existing knowledge



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More findings

- Our conceptual model enabled transcendence of traditional scientific disciplines, policy domains and industry and lobbying agendas towards a more holistic approach
- Our approach facilitated discussions on systematic, overarching challenges and knowledge needs
- It also provided a context for discussing research needs between stakeholders, irrespective of their institutional backgrounds and position



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Proposition

Current societal challenges are increasingly **complex**, requiring **integrated, cross-sectoral and transdisciplinary** knowledge creation **in close cooperation with the users** of the knowledge

Saskia Visser of WUR proposed this already last Tuesday:

- Scaling up, area approach
- Connect to societal challenges and all stakeholders
- Integral approach to land management

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