

Potential for soil and socio-economic research in Wallonia (BE)

Esther Goidts

Soil Protection Direction

SNOWMAN socio-economic workshop in Mechelen, 11th of June 2010



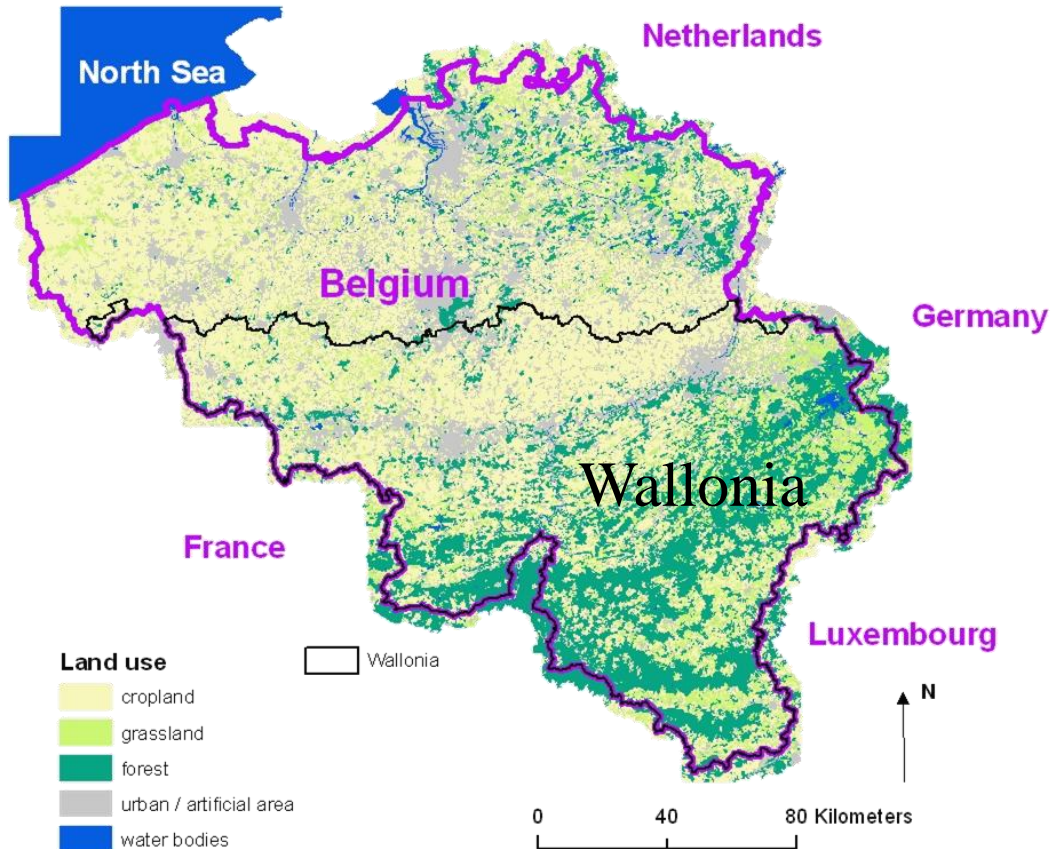
Public Administration of Wallonia



DIRECTION GÉNÉRALE OPÉRATIONNELLE
DE L'AGRICULTURE, DES RESSOURCES NATURELLES ET DE L'ENVIRONNEMENT

General context

Land use



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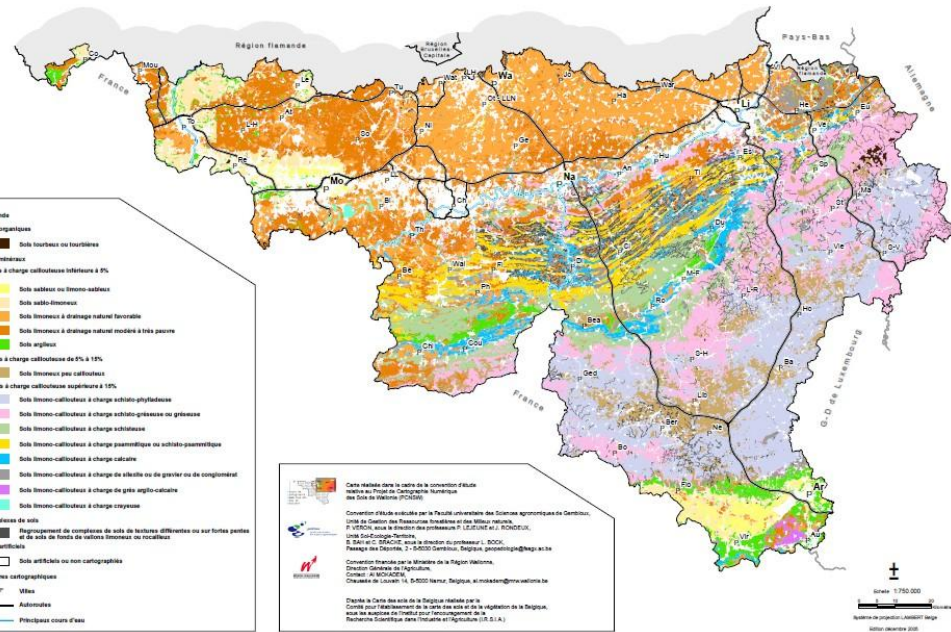
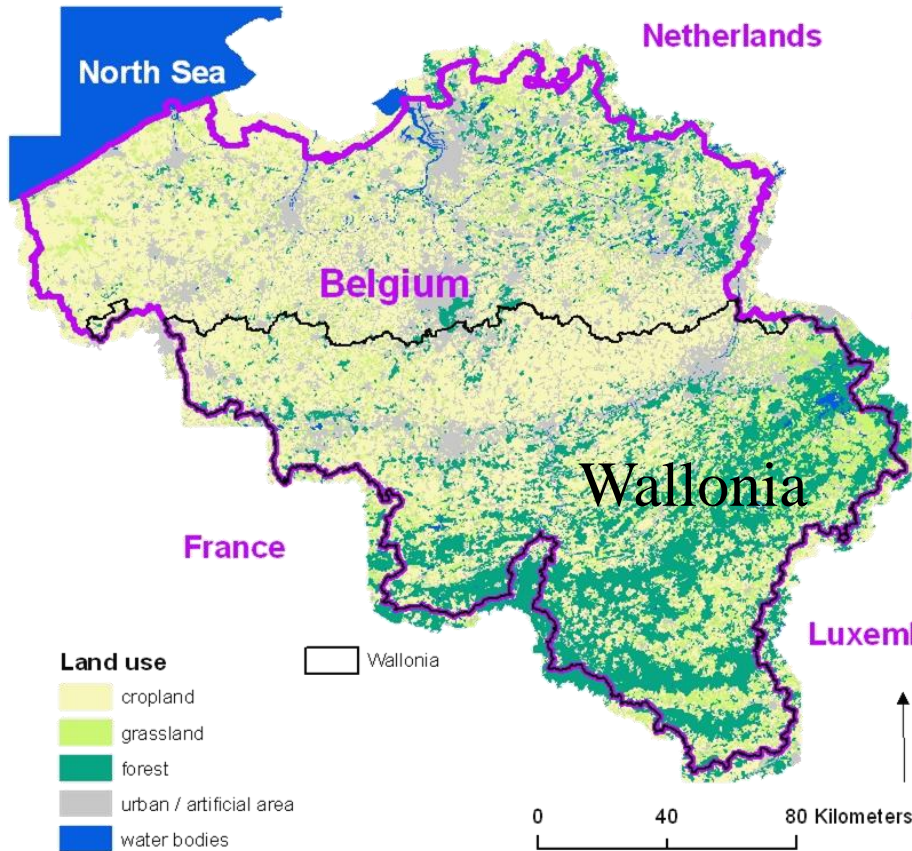
Service public de Wallonie

General context

Land use

Soils

North: Loam soils
Center: Stony loam (succession of Limestone and schist bedrock)
South: Sand, clay and marl soils



Funders within SNOWMAN

Public Administration of Wallonia

DGARNE : DG Agriculture, Natural Resources & Environment

<http://environnement.wallonie.be>



DSD/DPS (soil protection):

- Soil pollution issues
- Management of materials spread on soils
- Soil biodiversity
- Soil quality

DEMNA/DEE (environm. outlook):

- Environmental Outlook (TBE)
- Reference & geographic DB (SIGEA)

DRCE/DDR (rural development):

- Digitized mapping of wallon soils (PCNSW)
- Soil erosion issues (GISER)

DNF (nature & forest):

- Woodland soil monitoring network (IPRF)
- Critical loads (acidifying pollutants)



Researchers soil/socio-economy

Universities

ULg

Gembloux AgroBioTech (ex-FUSAGx):

- Science & technology of environment (soil & water)
- Agronomical Sciences (Economy & rural development)

Science Faculty:

- Science & management of environment (socio-economy, environment & dvpt, biodiversity)

UCL

Earth & Life Institute:

- Environmental sciences
- Applied biology & agricultural practices (rural economy)
- Earth & climate

Life Science Institute:

- Biodiversity (from animals to biomolecules)

Multidisciplinary Research for Quantitative Modelling and Analysis Institute:

- Economic geography

FUNDP

Science Faculty:

- Geography (ecosystem services, participative GIS)



Experts soil/socio-economy

Walloon organisations & experts

CRA-W	Walloon Center for Agronomy Research - Soil fertility, land planning, agriculture and sustainability
REQUASUD asbl	Network of laboratories in Wallonia - Routine soil analyses and monitoring, fertility advice
SPAQuE	Public Society for the Quality of Environment
ISSeP	Scientific Institute of Public Service
CHST	Center for history of sciences and techniques
RAMSES	Private experts in soil
ICEDD	Private experts in sustainable development
...	

Soil contamination issues

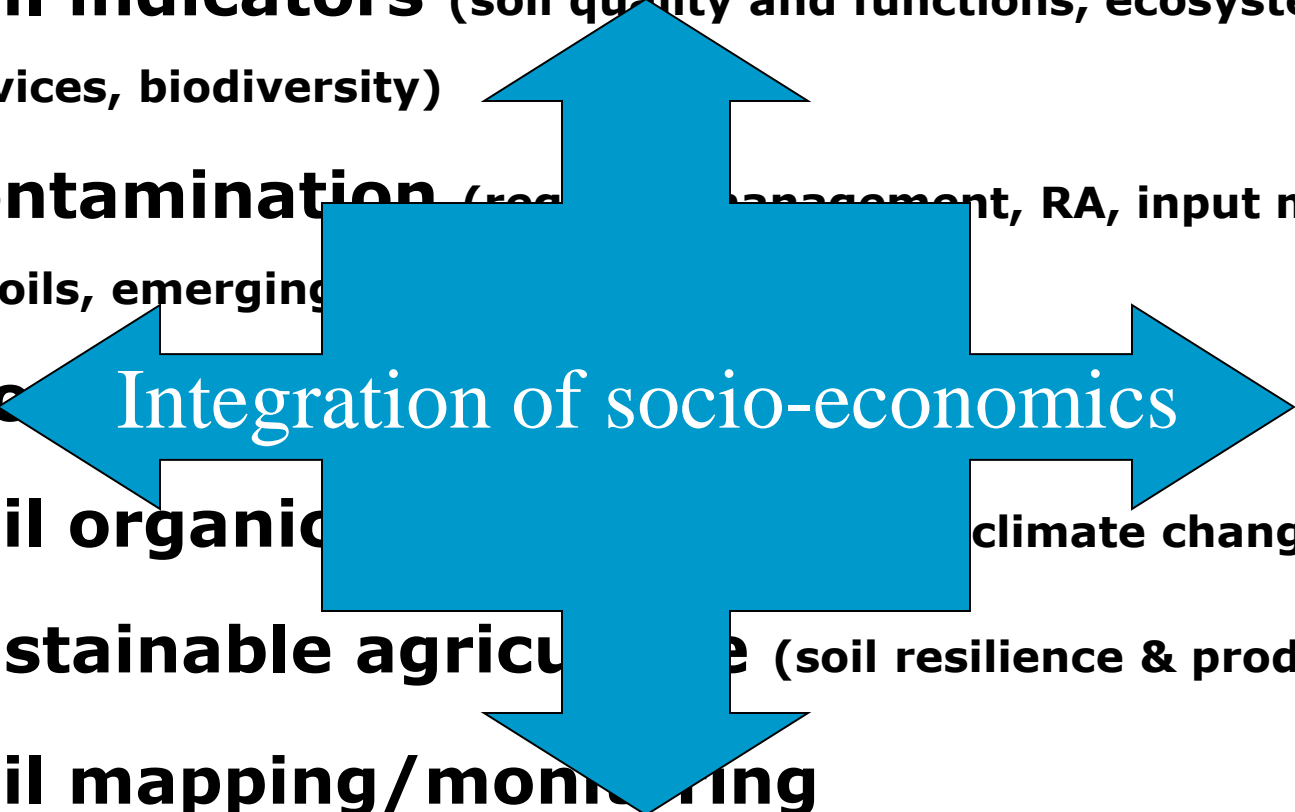


Topics of interest

- **Soil indicators** (soil quality and functions, ecosystem services, biodiversity)
- **Contamination** (regional management, RA, input material in soils, emerging pollutants)
- **Erosion** (RA, management)
- **Soil organic matter** (C-N budgets, climate change)
- **Sustainable agriculture** (soil resilience & productivity)
- **Soil mapping/monitoring**



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- **Soil indicators** (soil quality and functions, ecosystem services, biodiversity)
 - **Contamination** (reg. management, RA, input material in soils, emerging)
 - **Erc**
 - **Soil organic** (climate change)
 - **Sustainable agriculture** (soil resilience & productivity)
 - **Soil mapping/monitoring**
- 
- Integration of socio-economics



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