www.vito.be

# VITO

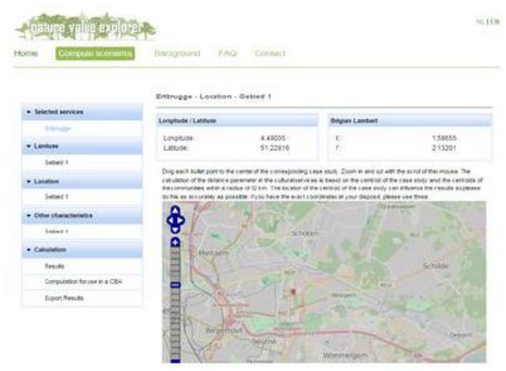
www.esmeralda-project.eu

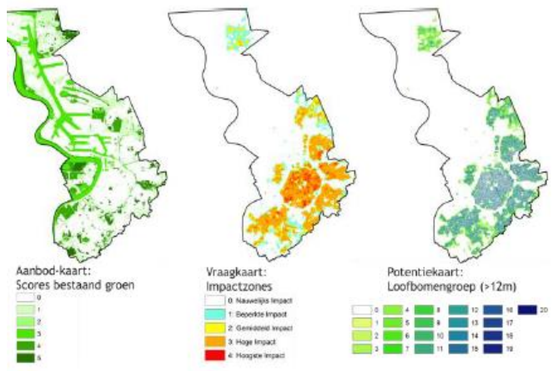
## WHO WE ARE

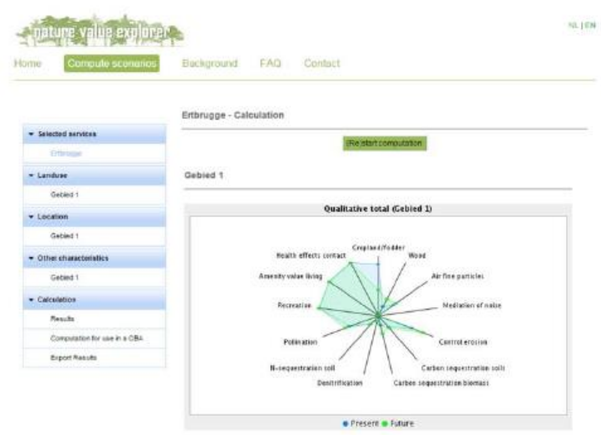
- ★ VITO is a leading independent European research and technology organization developing sustainable technologies in the areas of energy, environment, materials and remote sensing.
- ★ VITO has a strong track record in delivering products and services to the Belgian Regional Governments, the European Commission and Industry. The environmental modelling unit develops modelling techniques for a variety of topics including ecosystem services, land use change, urban climate, air quality, water quality and quantity and soil.
- ★ Our research intends to answer questions of policy makers, NGO's and businesses for the large societal challenges they face e.g. climate change, integrated water management, spatial planning , nature based solutions…

## OUR EXPERIENCE

- ★ Mapping and assessment of different ecosystem services (supply and demand)
- ★ Specific focus on quantification and monetary valuation of cultural services (recreation, health, amenity)
- ★ Monetary valuation
- ★ Cost effectiveness analysis / cost benefit analysis
- ★ Decision support tools for environmental and spatial planning of green and blue infrastructure www.natuurwaardeverkenner.be
- ★ Investigating the preferences of people for nature development through stakeholder consultation, transition trajectories and non-market valuation techniques (e.g. stated preferences studies)
- ★ Integrated assessments (soil, water, air and ecosystem services) of management options at various spatial and temporal scales





## WHAT WE DO IN ESMERALDA

- ★ VITO will contribute to all the WPs as a country representative for Belgium and in WP3 and WP 4 for the conceptual development of mapping and assessment. The team will bring in their expertise on mapping and assessment of ecosystem services in Belgium, monetary valuation and development of decision support tools.

**WE ARE ALSO INVOLVED IN** WEISS (EU), AQUAREHAB (EU), AirINFORM (China), SAVEWATER (ESA), METALert (China) National: ECOPLAN

## Inge Liekens

- ★ Environmental economist
- ★ Monetary valuation of ecosystem services in general, specifically stated preference methods
- ★ Decision support tools
- ★ IPBES lead author ECA-assessment

## Steven Broekx

- ★ Environmental economist, PhD
- ★ Mapping *and assessment* of ecosystem services
- ★ Decision support tools