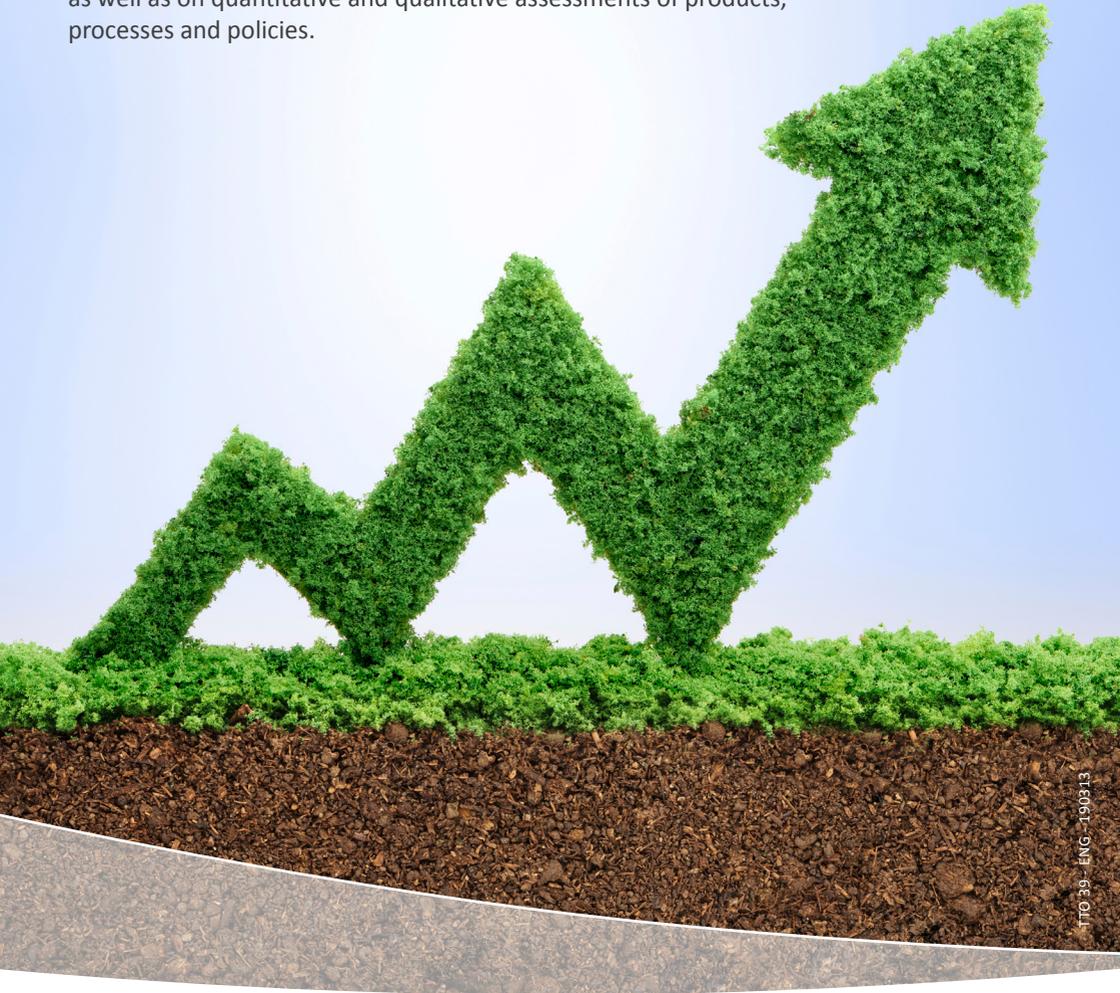


Service offer:

Sustainability Assessment

The University of Antwerp hosts a broad expertise in the field of sustainability assessment, and more specifically in the field of life cycle assessment (LCA), techno-economic assessment (TEA) and ecodesign.

The expertise is focused on developing new assessment methodologies, as well as on quantitative and qualitative assessments of products, processes and policies.



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Product Development

E. Du Bois | K. Van Doorselaer

- Qualitative evaluation of products' ecological impact over the complete life cycle
- Lifecycle thinking towards ecodesign products and product services systems development
- Assessment of design opportunities for a circular economy



Institute of Environment & Sustainable Development

J. Cools | J. Bots | M. Sys

- Interdisciplinary solutions for sustainability
- Bringing together natural sciences/engineering with social sciences, incl. economics
- Education on sustainability



Engineering Management

S. Van Passel | G. Thomassen | T. Compernelle

- Techno-economic assessment (TEA) to foster the development of clean technologies
- Expertise in methodological components towards sustainability assessment: life cycle costing (LCC), life cycle analysis (LCA), combination and integration of economic and environmental metrics to assess sustainability

Bio-Chemical Green Engineering & Materials

P. Billen

- Systemic innovations for circular materials
- Life Cycle Assessment (LCA) of end-of-life materials processing
- Multi-objective optimization in support of sustainability driven decision making



Energy and Materials in Infrastructure and Buildings

A. Audenaert | W. Van den bergh | M. Buyle

- Consequential and attributional LCA for construction materials, infrastructure works and buildings
- Environmental benefits by optimizing innovative road construction materials and processes
- Circular economy strategies in the building sector for products & systems on a building and district level



Sustainable Energy, Air and Water Technology

M. Spiller | S. Vlaeminck | M. Moretti

- LCAs in the field of wastewater treatment and infrastructure, recovery of resources
- Material flow or substance flow evaluations for all water related systems
- Economic evaluation of water and wastewater related technologies

Centre for Research on Environmental and Social Change

I. Loots | S. Oosterlynck | F. Vandermoere

- Expert – civil society relations, science and technology studies
- Participatory TA, social inclusion, sustainability transitions and system analysis
- Deliberation processes and policy evaluation methods



Transport and Regional Economics

T. Vanelander | C. Sys | E. van Hassel

- Calculation of operational and external costs for different transport and logistics scenarios
- Analysis of the cost and revenue potential (operational and external) of innovations in transport and logistics
- Identification of success and failure factors of innovative initiatives for sustainability in transport and logistics



More information

University of Antwerp
Valorisation Office
Middelheimlaan 1
2020 Antwerpen
Belgium

T +32 3 265 88 84
Valorisatie@uantwerpen.be
www.uantwerpen.be/forcompanies