

Open Universiteit Learning and Innovation in Resilient Systems

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Faculty Management, Science & Technology

2 SEAS : RIGHT TO THE TARGET !

30 November 2017 - Lille, France

Open Universiteit

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Research Programme

Learning and Innovation in Resilient Systems

☐ Resilience

capacity of systems to absorb disturbance

☐ Learning

learning by individuals and organizations

☐ Innovation

how innovations emerge, diffuse and impact the world, and the role of agency

Overall aim

To increase our understanding of the innovative and learning capacity of resilient systems



Science at Open Universiteit – Performances Research

- Integrative:
 - Management & Governance Sciences
 - Environmental & Sustainability Sciences
 - Computer & Data Sciences

Mid-term 2014-2017 research evaluation (31 Oct 2017)

✓ Research quality and productivity

– **VERY GOOD** with an outstanding publication

✓ Relevance to society

– **VERY STRONG CONTRIBUTION** to society, directly and indirectly

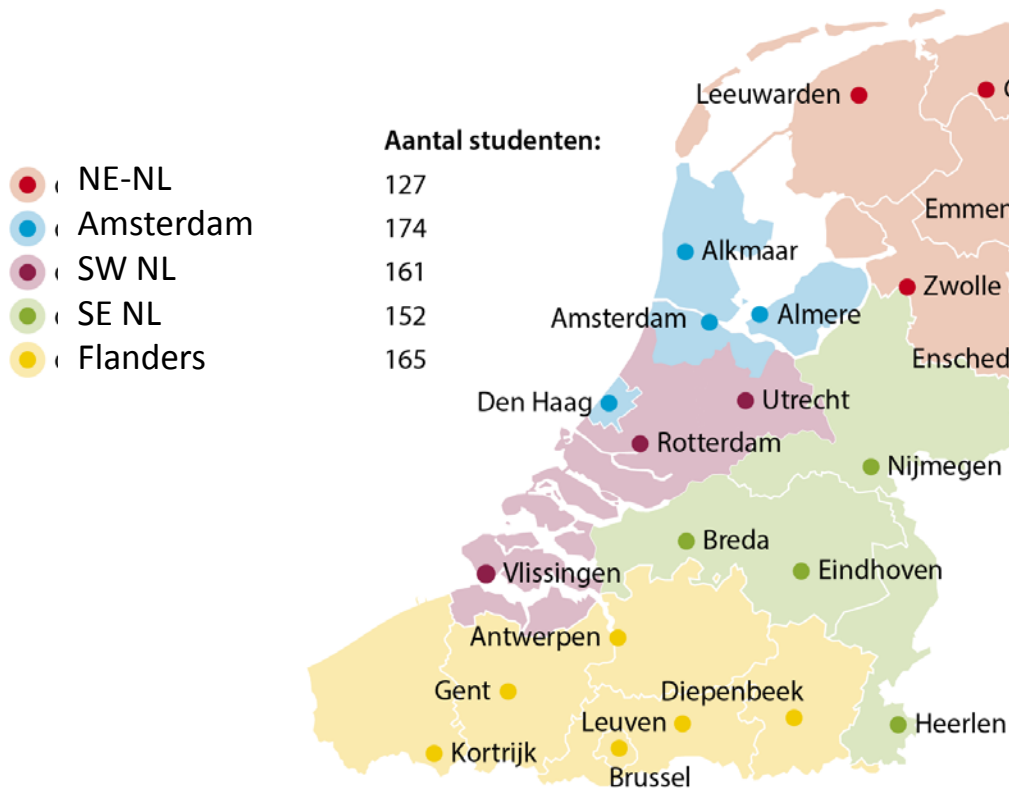
✓ Viability

– **GOOD** given the challenges faced by a new research program

Science at Open Universiteit – BSc/MSc Environmental Sciences

- online flexible
- part time
- distance education

Geodistribution: # students/ region



Netherlands & Belgium Flanders

Students NL / B



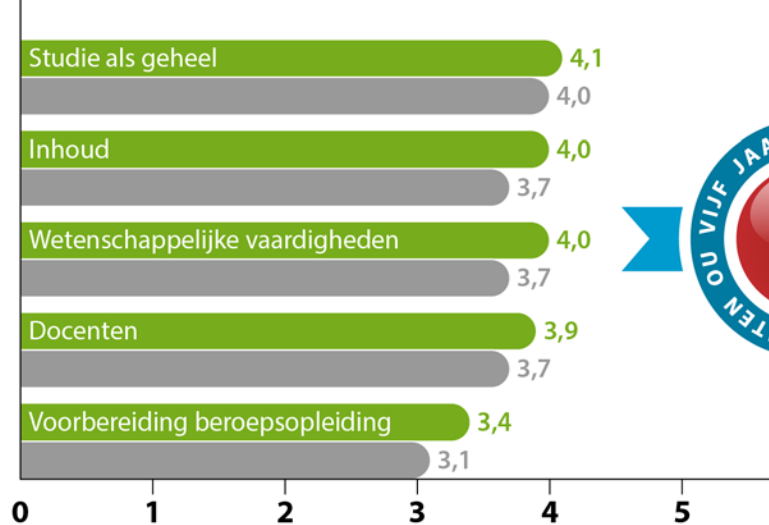
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(Data 2013-2014)

Science at Open Universiteit – Performances Environmental Sciences programmes

Dutch National Student's Evaluations



Dutch Ranking of Academic Studies (Keuzegids Universiteiten)

FIRST rated Uni in academic masters
TOP study in academic bachelors

1st/2nd in Earth & Environmental
Sciences

Dutch-Flemish BSc/MSc Accreditation
2013-2018: **GOOD** on Learning Environment

- ✓ Competence development
- ✓ BSc Thesis
- ✓ Course materials

(data 2013-2017)

Learning for Sustainable Development

Merging Professional Demands and Academic Standards

ANGELIQUE LANSU



- ## Dissemination
1. Short learning programmes
 2. Future water management domains & competences
 3. Innovation projects into HE Case studies
 4. Thesis work /consultancy to clients

Future challenge in Delta Water management

Integral approach (life cycles; multiple level) to water systems

Building with Nature (economy & ecology)

Political administrative break-through towards non-complex water management

Drinking Water provision (quantity & quality) by drifting fresh/salt water boundary (Ghyben-Herzberg lens)

Safety, risk management & crisis management planning for future disasters

Sustainable water use (greywater)

Job Title Delta Water Scientist

Estuarine Ecosystem Scientist

Wetland Engineer, Water Nature Engineer

Political-Administrative Water Manager

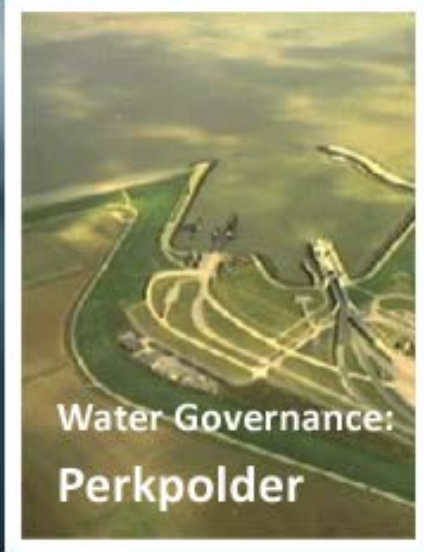
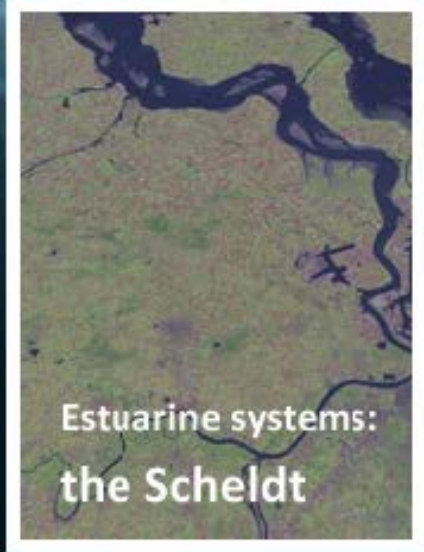
Drinking Water Technologist

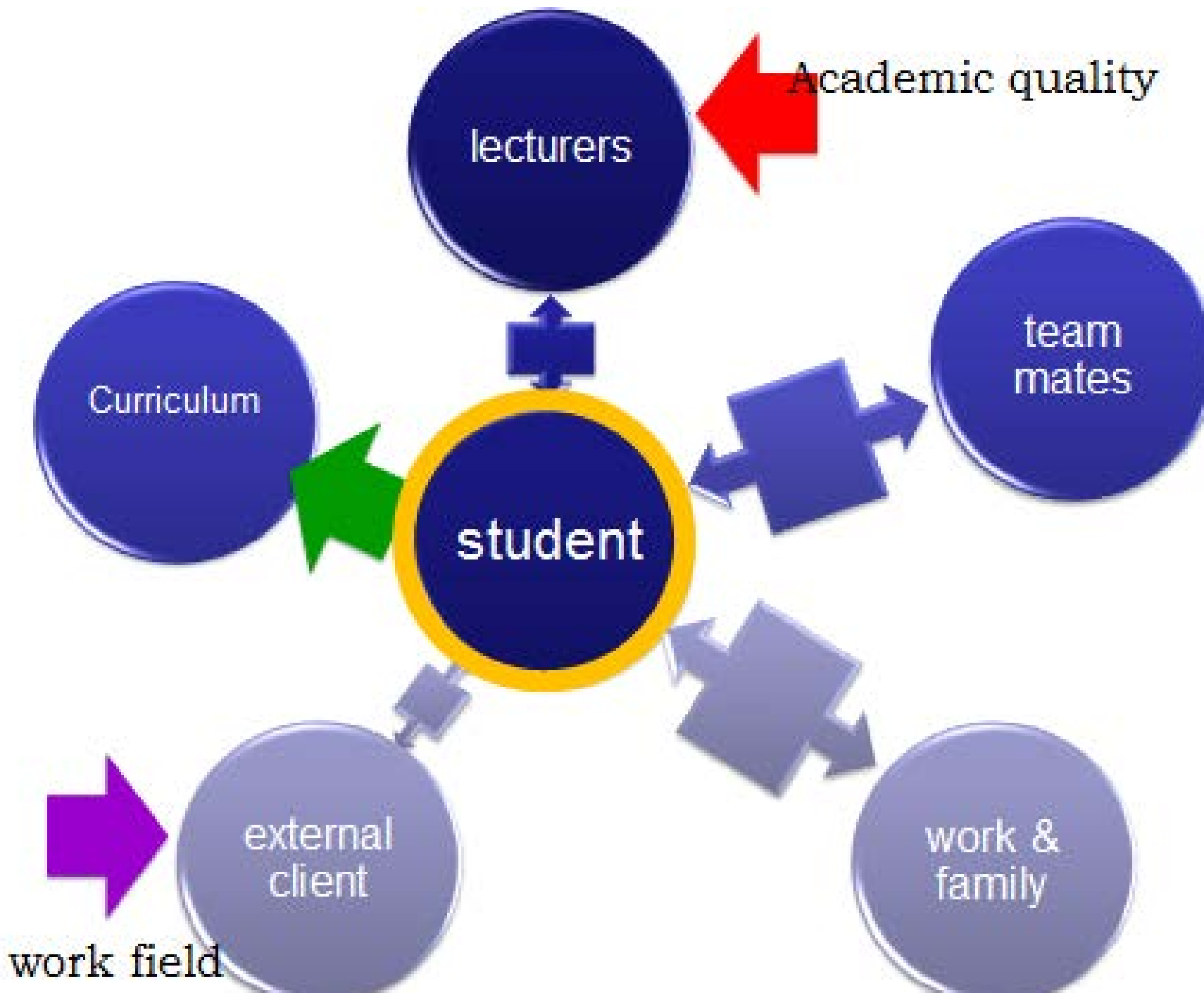
Disaster & Crisis Management Planner

Water Technologist



United Nations
Education
Cultural
Organization





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