



Sofie Luise Lehnerdt

Industrial Ecology master student

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born Dec. 7th, 1996 in Cologne (DE) | Linked in

Education

M.Sc. Industrial Ecology, current grade average 8.41 (A) *Sept. 2021 – Aug 2023 (planned)*

DELFT UNIVERSITY OF TECHNOLOGY / LEIDEN UNIVERSITY (THE NETHERLANDS)

- **Study programme:** Sustainability science, systems thinking, integration of technological, environmental and social perspective
- **Master thesis, cooperation with ON Running** (started in Feb 2023): Life Cycle Assessment (LCA) of carbon off-gas-based PET compared to recycled or fossil-based PET in the textile industry
- **Selected projects:**
 - Life Cycle Assessment of thermal underwear from merino wool and recycled polyester
 - Multi-criteria decision framework for establishing a sustainable supply chain for Biosphere Solar (photovoltaics start-up in Delft, NL)
 - Industrial symbiosis strategy for Botlek industrial park (Port of Rotterdam, NL)
 - Microbial growth simulation and bioreactor design for hydrogen-producing microorganism (from organic wastes)
 - Case study of sustainable business model by Patagonia (outdoor brand, US/EU)
 - Development of circularity strategy for Action (low-price retailer, EU)

Mentoring programme: mentor for a group of 12 first-year students

B.Sc. Biosciences, grade 1.4 (A)

Oct. 2017 – Sept. 2020

UNIVERSITY OF MÜNSTER (GERMANY)

- Bachelor thesis crop biotechnology „Functional characterization of *Lazy* genes from Chinese yam by heterologous expression in *Arabidopsis thaliana*“, grade 1.2

Bachelor studies

Oct. 2016 – Sept. 2017

UNIVERSITY OF OSNABRÜCK (GERMANY)

- Introductory courses in business administration and economics

Abitur (upper secondary school), grade 1.3 (A)

Jul. 2007 – Jun. 2015

SCHILLER-GYMNASIUM, COLOGNE (GERMANY)

- Advanced level subjects: English, biology

Work experience

Consultancy intern with subsequent student job (certificate attached) *Feb. 2021 – June 2021*

CONCERN GMBH VALUE CONSULTING, COLOGNE (GERMANY)

- project work in diverse sectors: Corporate Digital Responsibility (CDR) initiative and tools, Corporate Social Responsibility (CSR) rating preparation and operationalization of ESG

indicators for insurance company, value concept for construction company, smart city concepts / regional management, animal welfare and regionality strategy for a supermarket

Promoter, team leader, team assistant

Jan. 2016 – present

METZLER VATER LIVE GMBH

- Event support for BMW, MINI, Genesis in various cities in Germany, Switzerland and Austria
- Car explainer/administration for test drives, team leader for a team of 6 co-workers

Stays abroad

ERASMUS semester abroad

Aug. 2019 – Dec. 2019

NTNU (NORWEGIAN UNIVERSITY OF SCIENCE AND TECHNOLOGY), TRONDHEIM (NORWAY)

- Specialisation courses in sustainable utilisation of marine resources, sustainable food production, molecular medicine

World travel

Dec. 2015 – Jun. 2016

- Central America, New Zealand, Asia; 3 months job in a hostel

Exchange school attendance

Jul. 2012 – Jan. 2013

NORTHCOTE COLLEGE, AUCKLAND (NEW ZEALAND)

- Stay in a local host family, English school attendance

Languages

German	Native
English	TOEFL iBT score 114, university courses for debating, business and rhetoric
French, Spanish	Secondary school, B1/B2
Norwegian	Semester abroad, language course A2
Dutch	2 years of residence in The Netherlands, language course A1

IT skills

Programming	Foundational skills in Python for scientific applications
Microsoft Office	Advanced, for scientific or business work
Latex (in overleaf)	Scientific reports

Personal interests: Ballet classes, yoga, outdoor sports

Further references are available upon request.



The Hague, July 5th, 2023