

# BERTRAM F. DE BOER

Address Hertogplein 54  
6511 SK Nijmegen  
The Netherlands

Telephone +31(0)6 15 338 330

E-Mail b.f.de.boer@cml.leidenuniv.nl

Skype bertram.de.boer

LinkedIn [www.linkedin.com/in/bertramdeboer](http://www.linkedin.com/in/bertramdeboer)

Twitter <https://twitter.com/BertramFdeBoer>

## Work experience

Jan. 2016 – Present **PhD Candidate Industrial Ecology**  
*Institute of Environmental Sciences (CML), Leiden University*  
- Collaborated on PRINCE project (<http://www.prince-project.se>)

Jun. – Aug. 2019 **Young Scientists Summer Program Participant**  
*International Institute for Applied Systems Analysis, Austria*

Dec. 2016 – Dec. 2017 **Scientific Economic Researcher**  
*Institute of Environmental Sciences (CML), Leiden University*  
- Collaborated on JRC PYP-UPDATE project

## Teaching

2019 **Group advisor**  
*Course: Resilient Cities*  
*Program: Minor Sustainable Development*  
Supervised group work of BSc students on innovating green motions in municipal politics in the case of The Hague

2016 **Teaching assistant**  
*Course: Fundamentals of Modeling and Data Analysis*  
*Program: MSc Industrial Ecology*  
Assisted teaching of Python; developed and graded exams; gave guest lectures; reviewed content for course

## Education

**Master of Artificial Intelligence** **2012-2016**  
*University of Amsterdam, Amsterdam*

**Majors**

**Machine Learning**  
Mastering (non-)probabilistic classification and regression algorithms.  
Applications range from information visualization and retrieval to autonomous agents and language and image processing.

**Policy Analysis in Health and Life Sciences**  
*Athena Institute, VU University, Amsterdam*  
Combining quantitative and qualitative research in group projects.  
Research methods include literature studies, interviews, focus groups and questionnaires

**Bachelor of Electrical Engineering** **2008-2012**  
*The Hague University of Applied Sciences, Delft*

## Programming

Advanced proficiency: Python, MATLAB/Octave, R  
Intermediate proficiency: GAMS, Git, C++, C, JavaScript, VenSim, Netlogo

**Publications**

**de Boer, B.F.**, Rodrigues, J.F.D., Tukker, A., 2019. Modeling reductions in the environmental footprints embodied in European Union's imports through source shifting. *Ecol. Econ.* 164, 106300. <https://doi.org/10.1016/j.ecolecon.2019.04.012>

*Press release in Science for Environment Policy newsletter from European Commission:*  
[https://ec.europa.eu/environment/integration/research/newsalert/pdf/importing\\_sustainable\\_production\\_countries\\_lower\\_eu\\_environmental\\_footprint\\_535\\_na1\\_en.pdf](https://ec.europa.eu/environment/integration/research/newsalert/pdf/importing_sustainable_production_countries_lower_eu_environmental_footprint_535_na1_en.pdf)

**de Boer, B.F.**, Rietveld, E., Rodrigues, J.F.D., Tukker, A., Global environmental and socio-economic impact of Dutch national circularity measures for metals and electronics. (in press)

**de Boer, B.F.**, Valin, H., Boonman, H., Obersteiner, M., Rodrigues, J.F.D., Tukker, A., Global socio-economic impact of the Renewable Energy Directive II. (in preparation)

**de Boer, B.F.**, Rodrigues, J.F.D., Tukker, A., European Green Deal: Likelihood of success. (in preparation)

Hu, J., Wood, R., Tukker, A., Boonman, H., **de Boer, B.F.**, 2019. Global transport emissions in the Swedish carbon footprint. *J. Clean. Prod.* 226, 210–220. <https://doi.org/10.1016/j.jclepro.2019.03.263>

de Koning, A., Rodrigues, J.F.D., **de Boer, B.F.**, Tukker, A., 2017. Method for estimation of previous year prices supply, use and input-output tables for the EU/EA. Leiden, the Netherlands.

de Koning, A., Rodrigues, J.F.D., **de Boer, B.F.**, Tukker, A., 2017. Method for updating Supply, Use and Input-Output tables. Leiden, the Netherlands.

**Conferences, summer schools, courses, and certificates**

2020 EPSO/CAST/P/4/2017 - Project / program management (FG IV)

2017 LCA Course, Institute of Environmental Sciences (CML), Leiden University

2017 International Society for Industrial Ecology conference, Chicago, USA. Poster presentation.

2016 International Input-Output Association conference, Seoul, Korea. Oral presentation.

2016 Postgraduate School of Industrial Ecology, Norwegian University of Science and Technology, Trondheim, Norway

**Extra-curricular activities**

Apr. 2019 – Present

**Founding member of PhD committee**

Aug. 2017 – Present

**Member of institute council**

Jan. 2016 – Present

**Member of data and software group**

Jan. – June 2017

**Chair of weekly departmental meetings**

Organized strategy meeting

**Volunteer work**

Aug. 2020 – Present

**Dutch language coach**

*Stichting Het begint met Taal, Utrecht*

Feb. 2019 – Present

**High school math tutor**

*IMC Weekendschool, Amsterdam*

**Languages**

Fluent:

Dutch, English, French

Intermediate:

Spanish

Elementary:

German

**Leisure**

Interests:

Travelling, Languages, Cooking, Reading, Sailing, Swing dance, Piano, Guitar, Chess, Bouldering, and Singing