



Prof. dr. Martin Junginger

Professor

[Geosciences](#)

[Copernicus Institute of](#)

[Sustainable Development](#)

[Energy & Resources](#)

[Biobased Economy](#)



+31 30 253 7613



H.M.Junginger@uu.nl



Vening Meineszgebouw A

Princetonlaan 8a

Room 8.94

3584 CB Utrecht

Profile

[CV](#)

[Research output](#)

[Research](#)

[Courses](#)

[Additional functions](#)

[Contact](#)

Strategic themes / Focus areas

- [Pathways to Sustainability](#)

Interested in my views on (mainly woody biomass for) bioenergy? For a 50 min podcast with studio energie in april 2019 (in Dutch) follow the link below:



Profile:

Martin Junginger (1976) is Full Professor at Energy & Resources (E&R) of the Copernicus Institute, Utrecht University, and leads the bioenergy cluster of the E&R group. He has a background in chemistry and environmental science, and joined the staff of E&R in 2001 as PhD student, doing extensive research on the technological development and associated cost reductions of several renewable energy technologies,

including onshore and offshore wind farms, biomass CHP plants in Sweden and biogas plants in Denmark. After obtaining his PhD in May 2005, he has mainly been working Sustainable International Bioenergy Trade. between 2013-2018, he was leader of IEA Bioenergy Task 40 on Sustainable International Bioenergy Trade (see www.bioenergytrade.org ) , in which topics like biomass sustainability assurance frameworks, bioenergy markets, logistic chains are investigated. He works amongst others on charting and projecting international trade in biomass and biofuels (with a special focus on wood pellets), and identifying limitations and opportunities for bioenergy trade. His expertise includes solid biomass logistic supply chains and GHG balances including forest carbon accounting. The topics mentioned above are also covered by ongoing projects, e.g. the EC-funded projects Biotrade2020+, BioSustain and the TKI-BBE funded project BioLogikN, which is also lead by Martin. Past EU- projects also include Pellets@las, EUBIONETIII, Re-shaping, DiaCore, and SolidStandards. Within the frame of these projects, Martin has organized several workshops (in the Netherlands and abroad) and given numerous presentations and lectures, amongst others in Brazil, Canada, the USA, Malaysia and more than 10 European countries. He also was contributing author to the bioenergy chapter of the IPCC Special Report on Renewable Energy Sources (SRRES). He is editor of two books, on international bioenergy trade and mobilisation of woody biomass from boreal and temperate forests.

Martins other major research interest covers technological development and cost reductions of (renewable) energy supply and energy demand technologies (which was also the main topic of his PhD thesis). Since 2005, he has acquired and worked several projects focusing on technological learning of energy demand technologies, 1st and 2nd generation biofuel production, and implementing experience curves in energy models. These efforts have recently culminated in the book “Technological learning in the Energy Sector: Lessons for Policy, Industry and Science” of which he is the first editor (together with Wilfried van Sark and Andre Faaij). For this book, more than 25 co-

authors from amongst others Belgium, France, Germany, Sweden, Switzerland and the US made contributions, covering the technological development of a large variety of energy technologies. Martin has been supervising a large number of junior researchers over the past decade. To date (April 2019), this has led to six co-promotorships, 4 promotorships and ten ongoing promotor positions with expected finalization of the theses between 2019-2023. Furthermore, Martin is actively teaching the master-level course "Bio-Based Economy with each about 30-40 students attending each year, and supervises several MSc students writing their thesis. He also coordinated the course 'Toolbox 1 - environmental assessment and management approaches' in the sustainable business and innovation (SBI) master, and strongly involved in energy science master. Finally, he is reviewer for a variety of scientific journals, industry and government bodies. He (co-) published more than 80 articles in peer-reviewed journals, and currently has an H-index of 37 (Scopus). In addition he has published more than 100 titles in reports and conference proceedings, (co-) organized a range of international workshops and conferences and is frequently invited to scientific, policy and industry conferences.

A few facts & figures as April 2019:

- >80 titles published in peer reviewed scientific journals Hirsch index: 37 in Elsevier Scopus
- Co-author of >45 scientific reports and >60 conference papers
- Main editor of the book "Technological Learning In The Energy Sector. Lessons for Policy, Industry and Science" (together with eds. Prof. Dr. André Faaij and Dr. Wilfried van Sark), Edward Elgar Publishing Limited. Cheltenham, UK, ISBN 978 2 84844 834 6, p. 332.
- Main editor of the book: Junginger M, Goh CS, Faaij A (Eds.) International Bioenergy Trade: History, status & outlook on securing sustainable bioenergy supply, demand and markets. Springer, Dordrecht.
- Editor of the book "Mobilisation of Forest Bioenergy in the Boreal and Temperate Biomes. Challenges, Opportunities and Case Studies."

Evelyn Thiffault, C.T. Smith, Martin Junginger, Göran Berndes (eds). Elsevier, forthcoming.

- Broad experience with >30 projects and programs for amongst others the European Commission, the Netherlands Organisation for Scientific Research (NWO) and AgentschapNL, international bodies and the private sector.
- Supervised 6 Ph.D.-trajectories as co-promotor & 4 as promotor, and 10 trajectories as promotor ongoing. Supervised >40 Master students to date.
- More than 100 oral presentations at national and international events since 2004.

Relevant scientific and social positions (selection):

- Leader of Task 40 on “*Sustainable Bioenergy Trade*” under the IEA Bioenergy Agreement; participation of 14 countries and international institutions on four continents (coordinator between 2005-2012, leader from 2013-2018).
- Member of the SBP Standards Committee (January 2019 - ongoing)
- Organisation of several scientific workshops in Utrecht (the Netherlands), and workshops in Rotterdam (Netherlands), Berlin and Hamburg (Germany) Tsukuba and Tokyo (Japan), Copenhagen (Denmark), Campinas (Brazil) Trondheim (Norway), Brussels (Belgium) and Paris (France).
- Regular reviewing of publications for journals as Energy Policy, Biomass and Bioenergy, BioFPR, Energy, Biotechnology for Biofuels, International Journal of Energy Technology and Policy, Journal of Cleaner Production, Scandinavian Journal of Forest Research, the International Journal of Energy Sector Management, and others.
- Member of the commission Corbey as of September 2013 until end of 2015, advising the Dutch parliament on biomass sustainability topics.

Chair

Bio-Based Economy

Date of Appointment

01.03.2016

Education

[Bachelor's Programmes](#)[Master's Programmes](#)[Exchange and visiting students](#)[Education for professionals](#)[PhD](#)[Student Website](#)[Utrecht Summer School](#)

Research

[Four strategic themes](#)[Eleven focus areas](#)[All research areas](#)[Prizes and distinctions](#)[Collaborate](#)

About UU

[Vacancies](#)[News & Events](#)[Utrecht University Library](#)[Alumni](#)[Intranet](#)[Utrecht University Store](#)[Staff Members](#)[Contact](#)[Disclaimer](#)**Universiteit Utrecht**