

Teaching portfolio

1. Teaching CV: A list of any lecturing and supervision tasks, including specification of academic fields, scope, level (bachelor, master, continuing education, PhD) as well as any external examiner tasks.

TEACHING IN COURSES

2003-2015 Teaching LCA in different courses of Aalborg University, such as Environmental Assessment and Climate Change, 6th Sem. Bachelor in Environmental Management; Tools for sustainable Development, 7th Sem. Master in Environmental Management and Sustainability Science. Variable number of students ~10-40. Content and duration of lectures varied, the majority being on theory and exercises on Life Cycle Inventory modelling. Other topics covered included: Impact assessment, biofuels, waste management, energy system modelling in LCA. I have been teaching 2-3 lectures + exam (30-42 hours) each year in each course.

2008-2015 Teacher at PhD Course in LCA Advanced LCA – consequential modelling, EIO LCA, iLUC, and rebound effects. Course teachers: Bo Weidema, Jannick Schmidt, Massimo Pizzol, Søren Løkke. In the course I have been responsible for IO-modelling, iLUC and partly consequential modelling and rebound effects. I have been teaching 3-8 lectures (40-90 hours) each year.

2012-2015 Teaching Input-Output modelling in the course Sustainability by Design, 8th Sem. Master in Environmental Management and Sustainability Science. Variable number of students ~10-40. Focus has been on theory of IO-modelling and application to the national level analysing production and consumption footprints, as well as the individual product level. 2 lectures (28 hours) each year.

2014-2015 Teacher in bachelor course in Miljø og Livscyklusvurdering at Aalborg University. 5 ECTS. ~30 students of Biologi 6th Sem. and Miljøteknologi 4th Sem. The course is divided in three modules: LCA, Environmental Impact Assessment, and GIS-technologies. The course objective is providing both theoretical knowledge and practical skills in these techniques. I have been teaching 2-3 lectures + exam (30-42 hours) each year.

2011 & 2013-2015 Teacher at Miljøvurderingsdag. Professional course organised by DCEA. I have been teaching in the use of LCA as a tool in EIA.

SUPERVISION OF PHD STUDENTS

2014-2016 Co-supervisor of Michele de Rosa, PhD student enrolled at Aarhus University. Project title: A Holistic Assessment of Land Use Change effects Assessing and mitigating the impact of an increasing land demand. The PhD project addresses the challenge of assessing LUC impacts caused by increasing demand of land as part of Life Cycle Assessment (LCA). The goal is to strengthen the Life Cycle Inventory (LCI) and Life Cycle Impact Assessment (LCIA) methodology for estimating LUC greenhouse gas (GHG) emissions effects and to extend it to a wider range of impacts. Main Supervisor: Senior scientist John Erik Hermansen, Department of Agroecology, Aarhus University (AU).

SUPERVISION OF MASTER THESIS (30 ECTS), only projects after 2011 shown here:

2015 Comparative Life Cycle Assessment of selected renewable electricity generation technologies, Maria Tsagkaraki, Master in Environmental Management and Sustainability Science.

2014 Opportunities for revalorisation of spent coffee grounds: New insights into a biorefinery concept, Katarzyna Cenian, Bæredygtig Bioteknologi, Master thesis.

2014 Food wastage impacts identification with an LCA approach, Paulo Martins Silva and Manuel Xavier Mendes de Campos, Master in Environmental Management and Sustainability Science. Co-supervisor: Massimo Pizzol.

2013 Life Cycle Assessment of Wheat Straw as a Fuel Input for District Heat Production, Ranjan Parajuli, Master in Environmental Management and Sustainability Science.

2013 A comparison of LCA methods used in the assessment of CO₂ emissions of forestry products, Michele De Rosa, Joint European Master in Environmental Studies. Co-supervisor: Massimo Pizzol.

2013 Life Cycle Assessments of DuPont's Emulsifiers, Britt Gamskjær Vroue, Master in Environmental Management and Sustainability Science. Co-supervisor: Massimo Pizzol.

2012 Rebound-effects in the Life Cycle Assessments: Reducing Household Food Wastage in Denmark. Nanna Lee Thusgaard, Master in Environmental Management and Sustainability Science.

2. Study administration: A list of any study administration tasks, e.g. study board membership, head of studies or semester or course coordinator, accreditation, etc.

Type your answer here...

3. University pedagogy qualifications: A list of any completed courses in university pedagogy, PBL courses, workshops, academic development projects, collegial guidance and supervision, etc.

I have completed the 'The Adjunktpædagogikum' (10 ECTS) at Aalborg University in 2015. Supervisor: Lone Kørnøv. Awaiting approval. The adjunkt pædagogikum involved attending and participating in seminars and workshops, supervision of my teaching (master and PhD courses) and meeting with my supervisor.

4. Other qualifications: Conference attendance, editorials, presentations, etc. relating to education, 'University Teaching Day', etc.

Type your answer here...

5. Teaching activity development and teaching materials: A list of any contributions to the development of new modules, teaching materials, study programmes, e-learning, collaboration with external business partners, etc.

Type your answer here...

6. Teaching awards you may have received or been nominated for.

Type your answer here...

7. Personal reflections and initiatives: Here you may state any personal deliberations as regards teaching and supervision, any wishes and plans for further pedagogic development, plans for following up on feedback/evaluations from students, etc.

Good teaching is key for good learning. I always strive towards making a lecture/presentation an experience to be remembered and for sowing a seed for inspiration and discussion. Sometimes that also involve the need for provoking the audience.

8. Any other information or comments.

Type your answer here...