

Advancing Sustainable Solutions

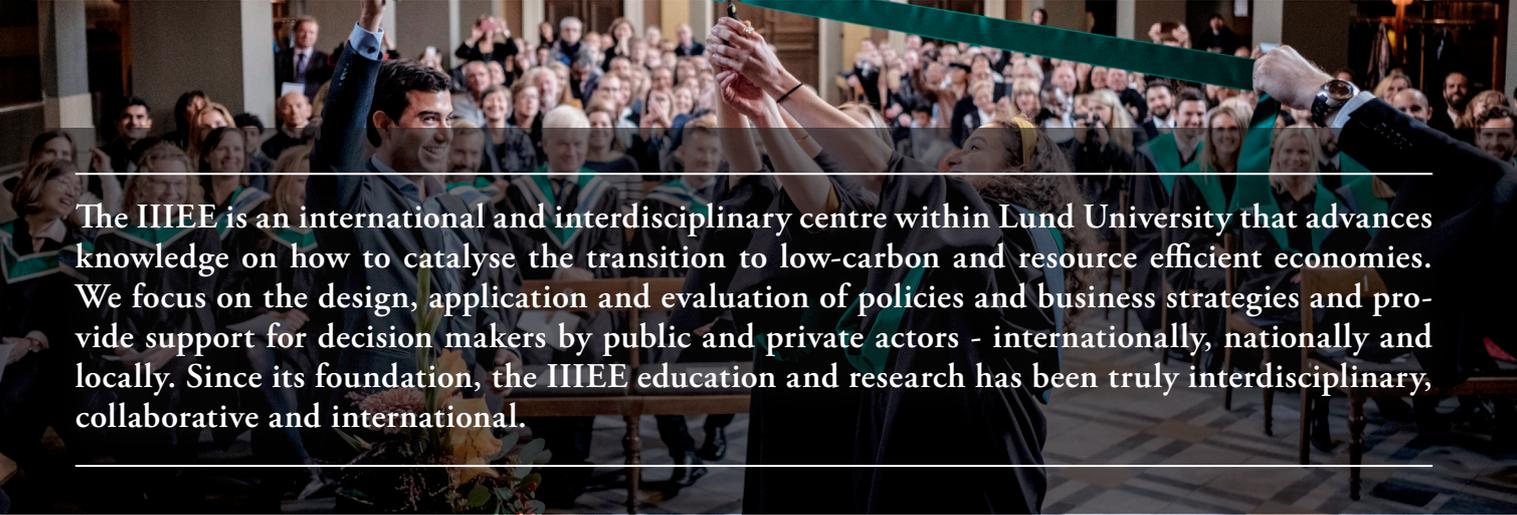
INTERNATIONAL INSTITUTE FOR INDUSTRIAL ENVIRONMENTAL ECONOMICS (IIIEE)
ANNUAL REPORT 2018



LUND
UNIVERSITY

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THE INTERNATIONAL INSTITUTE FOR
INDUSTRIAL ENVIRONMENTAL ECONOMICS



The IIIEE is an international and interdisciplinary centre within Lund University that advances knowledge on how to catalyse the transition to low-carbon and resource efficient economies. We focus on the design, application and evaluation of policies and business strategies and provide support for decision makers by public and private actors - internationally, nationally and locally. Since its foundation, the IIIEE education and research has been truly interdisciplinary, collaborative and international.



Following an entrepreneurial start in 1994, the IIIEE has pioneered a range of activities including interdisciplinary research, high quality international Master's programmes and courses, and award-winning on-line courses, including Massive Open Online Courses (MOOCs).

Interdisciplinary – The IIIEE has a genuine interdisciplinary approach synthesizing insights not only from economic theory and practice but also from natural sciences, engineering, political science, organizational, legal and behavioural studies. The IIIEE academic staff has backgrounds in diverse disciplines.

Collaborative – The IIIEE education and research are performed in close collaboration with business, public authorities and other societal partners. We actively engage our partners in collaborative research, case study projects, lecture series, interactive seminars and workshops.

International – The IIIEE is a highly international, diverse and vibrant workplace with staff and students from all around the world. Over the last 10 years the IIIEE has collaborated with more than 100 international research groups, private companies and societal companies.

“After nine years, I decided to leave my assignment as Director at the IIIEE. Together with staff, board members, students and partners I have had the privilege to further develop the IIIEE in being an innovative and creative arena for interdisciplinary education and research within Lund University. Over the years, we have built a strong Institute for the purpose of advancing knowledge on how to catalyze the transition to low-carbon and resource efficient economies. It has been a time of engagement and joy in providing and sharing knowledge for a more sustainable future – endeavors desperately needed in the world of today. Thank you all, it has been an honor and a privilege to work with you.”

*Professor Lena Neij
Director of the IIIEE 2010-2018*



“The year 2018 ended an era in the history of the IIIEE, it was the last year with Lena Neij as the Director. The past nine years have been a very successful period for the Institute. During 2018, the Master's programme at the IIIEE has been renewed, the MOOCs content has been expanded, and the research project portfolio grew and became more focused around the core themes at the IIIEE. In addition, the IIIEE expertise was frequently used by policy makers for international, national and local action. It is thus with great confidence and enthusiasm that I take over as Director at a time when the knowledge provided by the IIIEE is desperately needed.”

*Professor Per Mickwitz
Director of the IIIEE*

RESEARCH



IPCC SPECIAL REPORT ON GLOBAL WARMING OF 1.5°C

In October 2018, the Special Report on Global Warming of 1.5°C was approved in Korea by the IPCC (the Intergovernmental Panel on Climate Change). Professor Luis Mundaca, lead author of the IPCC Special Report and Summary for Policy-makers, and Professor of Policy Analysis at the IIIEE was present at the approval meeting and stated that: "the feasibility of meeting the 1.5°C target involves multiple dimensions, and several links, synergies, and trade-offs are identified in the assessment. The assessment clearly shows that rapid change is needed, but this also encompasses unprecedented challenges".

THE GORDON RESEARCH CONFERENCE IN INDUSTRIAL ECOLOGY

Professor Nancy Bocken gave a keynote speech at the Gordon Research Conference in Industrial Ecology held in Switzerland in May 2018. The title of her speech was "Experimentation and Slow Consumption: Two Key Strategies in the Transition to a Circular Economy".



ERC FUNDED RESEARCH PROGRAM URBAN SHARING INITIATED

Professor Oksana Mont was one of five researchers at Lund University who was awarded an ERC Consolidator Grant of 2 million Euro from the European Research Council (ERC) in 2018. The ERC promotes research of the highest quality through extensive and long-term funding. The five-year long research program "Urban Sharing: sustainability and institutionalization pathways" started in September 2018 with a team of 8 researchers and it is going to study urban sharing in 5 cities: Amsterdam, Toronto, Melbourne, Seoul and Shanghai.



NEW MEMBER OF THE MANAGEMENT BOARD OF THE EUROPEAN ENVIRONMENT AGENCY

In 2018, Professor Lena Neij became a member of the Management Board of the European Environment Agency (EEA) for the European Parliament. The EEA is an agency of the European Union and provides sound, independent information on the environment for those involved in developing, adopting, implementing and evaluating environmental policy, and also the general public. In close collaboration with the European Environmental Information and Observation Network (Eionet) and its 33 member countries, the EEA gathers data and produces assessments on a wide range of topics related to the environment. IIIEE's role at EEA is further strengthened by the new director Per Mickwitz being the Chair of EEA's Scientific Committee 2016-2022.

EDUCATION

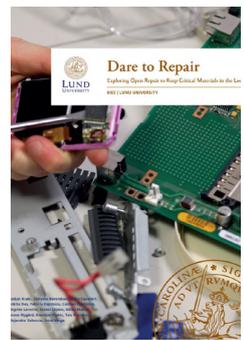


RENEWAL OF INTERNATIONAL MASTER'S PROGRAMMES

The IIIEE launched our revised Master's programme in Environmental Management and Policy (EMP) in 2018. After launching the revised EMP programme we have also updated the curriculum and course syllabi for the MESPOM programme and it will run in the fall of 2019. As a result of the revised programme structures we will have more students on-site during both the fall and the spring semesters. We are pleased to see that the number of applicants to our Master's programmes continues to remain strong with over 500 applicants in the EMP programme in the latest admission round.

NEW ALUMNI PLATFORM

In 2018 the new IIIEE alumni platform was launched. The platform is a shared venture between the IIIEE and the IIIEE Network, the alumni organization formed and run by the IIIEE alumni. By the end of 2018 approximately 900 IIIEE alumni had signed up to join the platform, thereby enjoying an interactive world map with all members allowing you to see where people are, what they do and to connect. The IIIEE enjoys facilitating this network and is proud to have a visual representation of 24 years of international educational effort.



TWO CLIENT REPORTS PRODUCED ON STRATEGIC ENVIRONMENTAL DEVELOPMENT

The Strategic Environmental Development (SED) course forms a real-life application of the knowledge and skills acquired from the Master's programmes at the IIIEE, and the course is centered around a task formulated by a client somewhere in Europe or around the world. In 2018, two SED reports were produced on 'Recipes for Sustainability Success: Serving Seven Strategic Solutions' (EMP programme) and 'Dare to Repair: Exploring open repair to keep critical materials in the loop' (MESPOM programme).



NEW PHD STUDENTS AND POST-DOCTORAL STUDENTS

During 2018, the IIIEE expanded and the following PhD students and Post-doctoral students began their educational and research activities at the IIIEE: Heather Schoonover, PhD student within sustainable consumption governance, Karolina Södergren, PhD student within sustainable urban governance, Jagdeep Singh, Post-doctoral researcher in sustainability assessment of the sharing economy, Lars Strupeit, Post-doctoral student in circular business models innovation and experimentation, and Daniela Lazoroska, Post-doctoral researcher in sustainable urban governance.

EVENTS, NETWORKS AND COLLABORATIONS



SHARING CITIES SWEDEN – LAUNCH EVENT

In April 2018, a launch event of the national program for the sharing economy in cities took place at the IIIEE. The program is funded by Vinnova – Swedish Innovation Agency with a budget of almost 120 Million SEK. Sharing Cities Sweden aims to put Sweden on the map as a country that actively and critically works with the sharing economy in cities. The program will

develop world-leading test-beds for the sharing economy in Stockholm, Gothenburg, Malmö and Umeå as well as develop a national node to significantly improve national and international cooperation and promote an exchange of experience on sharing cities. Associate Professor Kes McCormick is the program coordinator for Sharing Cities Sweden.



CITY FUTURES – COLLABORATION BETWEEN SCIENCE AND SOCIETY FOR SUSTAINABLE SOLUTIONS

Sustainable city futures need experimentation and innovation developed through collaboration between academia and social actors. As a response, the IIIEE organized a City Futures Conference series in Lund in October 2018. The conference brought together academia, municipalities and regional actors within business and industry to discuss how to strengthen the collaboration between science and policy for sustainable solutions. Plans for future events and conferences on the theme of Sustainable Cities are underway.



TRANSITION TO A LOW CARBON SOCIETY

In May 2018, the Clean Energy Ministerial meeting and the Mission Innovation meeting were held in Malmö and Copenhagen. To empower the high-level ministerial meeting and supply credible advice, Lund University organised the scientific workshop Transition to a low carbon society, hosted by the IIIEE. The workshop produced political guidance and policy recommendations on how to accelerate the transition to a low carbon society. The workshop afforded engaging and topical discussions among researchers, stakeholder organizations and policy-makers, which terminated in recommendations for the development of ambitious innovation strategies.



PODCAST – ADVANCING SUSTAINABLE SOLUTIONS

During 2018, the IIIEE proudly launched a podcast called 'Advancing Sustainable Solutions'. The podcast makes sustainability more accessible and tangible by showcasing ongoing research, events and activities at the IIIEE. A new episode is launched every month. You can subscribe and listen to our podcast on any of your favourite podcast platforms including [Apple Podcasts](#), [SoundCloud](#), [TuneIn Radio](#), and [Stitcher](#).



NEW MASSIVE OPEN ONLINE COURSE (MOOC) ON CIRCULAR ECONOMY

In November 2018, the IIIEE proudly launched a new MOOC in the Greening the Economy series: 'Circular Economy - Sustainable Materials Management'. This free, on-line course looks at where important materials in products we use every day come from and how these materials can be used more efficiently, longer, and in closed loops. The MOOC involves expert researchers and practitioners from around Europe as they explain core elements and challenges in the transition to a circular economy.

INTERNATIONAL GUEST RESEARCHERS

During 2018, the IIIEE has been host to three guest researchers: Dr. John Symons, Research Fellow at Victoria University, Melbourne, Cathy Oke, First Vice President at ICLEI, Councillor (Environment) City of Melbourne and Knowledge Broker, Clean Air and Urban Landscapes Hub (NESP), Dr. Judy Bush, Research Fellow within the Clean Air and Urban Landscapes Hub at Melbourne University.



Master's students: 138
Master's graduates: 900+ people from 100+ countries
Staff: 47+ (27 researchers | 11 PhD students | 7 administration | guest researchers)
MOOCs: 55,000 registered course participants and 250,000 visitors (since 2015)



Publications: 65 (56 peer reviewed articles) (1,067 in total and 587 peer reviews articles in total)
Downloads: 53,000 (230,000 in total)
Research projects: 33
Turnover: 43.9 Million SEK

The IIIEE by numbers in 2018

EDUCATION ACTIVITIES

All education at the IIIEE is designed to equip students with the knowledge, skills and personal qualities needed to advance strategies for sustainable solutions.



Master's programmes



PhD programme



Undergraduate and Master's courses



Massive Open Online Courses (MOOCs)

PODCASTS

The IIIEE has launched a podcast called Advancing Sustainable Solutions. The purpose of the podcast is to make sustainability more accessible and tangible by showcasing ongoing research, events and activities at the IIIEE. A new episode is launched every month so check it out.

MASSIVE OPEN ONLINE COURSES (MOOCs)

The IIIEE at Lund university has developed three MOOCs in the Greening the Economy series. The original and first MOOC is called "Greening the Economy: Lessons from Scandinavia". The second MOOC is entitled "Greening the Economy: Sustainable Cities" and it builds on the series. The third MOOC in the series is called "Circular Economy" and it focuses on sustainable materials management.

ALUMNI NETWORK PLATFORM

The new alumni platform was launched in June 2018 as a joint venture between the IIIEE and the IIIEE Network. This platform aims to establish an effective arena allowing networking within the network, the IIIEE and the current Master's students in the house. A key feature is the global map of all members!

RESEARCH THEMES

The IIIEE is a centre of excellence conducting interdisciplinary and collaborative research focused on advancing sustainable solutions in governance and management.



International and national policy intervention



Urban governance and experimentation



Business management and practice



Consumption governance and lifestyles