

# Advancing Sustainable Solutions


INTERNATIONAL INSTITUTE FOR INDUSTRIAL ENVIRONMENTAL ECONOMICS (IIIEE)  
ANNUAL REPORT 2017




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 in public authorities and business - 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 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.

**Collaboration** – 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 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 and societal partners.

“In 2017, four new professorships have been established, several new project grants have been received in competition with others, interesting research results have been published in academic journals and presented in the media, several interactive and interesting seminars have been hosted by the IIIEE, and not least, numerous excellent students and future leaders for sustainability have graduated from the IIIEE.

In 2017, the IIIEE has also continued to develop a new structure of the Master's programme in Environmental Management and Policy which is to be launched in 2018. I welcome you all to visit our website regularly to take part in the events that will be arranged in 2018 and beyond. I also want to thank all research partners, companies and organizations for creative and constructive collaboration in 2017.”

Prof. Lena Neij  
Director of the IIIEE



# Highlights from the IIIEE in 2017

## RESEARCH



### FOUR NEW PROFESSORS AT THE IIIEE – TRANSITIONS TO LOW-CARBON AND RESOURCE EFFICIENT ECONOMIES.

In 2017, the IIIEE expanded and established four new professorships to further develop our interdisciplinary profile, working towards transitions to low-carbon and resource efficient economies. The four professors: Nancy Bocken, Oksana Mont, Luis Mundaca and Jenny Palm, will coordinate four research themes which together create an innovative research platform for collaboration at the IIIEE. The four themes are international and national policy intervention, urban governance and experimentation, business management and practice, and consumption governance and lifestyles.

### PRESTIGIOUS ERC GRANT AWARDED TO OKSANA MONT

Prof. Oksana Mont was one of five researchers at Lund University who was awarded an ERC Consolidator Grant from the European Research Council (ERC). The task of the ERC is to promote research of the highest quality through extensive and long-term funding. The prestigious ERC Consolidator Grant amounts to 2 million Euro over five years to the five researchers.



### LAUNCH OF THE WORLD ENERGY OUTLOOK 2017

In November 2017, the launch of the publication World Energy Outlook 2017 took place at Rosenbad in Stockholm. The annual World Energy Outlook report is regarded as the world's most authoritative source of energy market analysis and projections. From the IIIEE, Prof. Lena Neij took part in the discussion on the future developments of universal energy access, its connection to economic growth and climate change impact.



### IIIIEE ATTENDS IPCC LEAD AUTHOR MEETING

Prof. Luis Mundaca from the IIIEE joined the Lead Author Meeting of the 'IPCC Special Report on the Impacts of Global Warming of 1.5°C above Pre-industrial Levels' in Malmö, Sweden, in October 2017. This special report, requested by the UN, is looking at what we stand to gain from limiting warming to 1.5°C compared to higher temperatures.

## EDUCATION



### RENEWAL OF INTERNATIONAL MASTER'S PROGRAMMES

The MESPOM programme, featuring an updated curriculum, was awarded EU Erasmus Mundus Funding in 2017. The renewal of the EMP programme also reached several significant milestones. The syllabus was formally approved, a total of 20 new or revised course syllabi were developed, and admissions opened in October 2017. We are pleased to see that the number of applicants continues to increase (+11%) in spite of a general trend of decline in Sweden.



### IIIIEE CONGRATULATES LUND UNIVERSITY ON 350 YEARS

With a flag parade, the IIIEE, congratulated Lund University turning 350 years old. Flags from 125 countries were carried by IIIEE alumni and students from all parts of the world to celebrate the 350 years and to appreciate Lund University as it further deepens its leadership in international sustainability!



### IIIIEE ALUMNI CONFERENCE 2017

In June 2017, close to 200 alumni and students from the IIIEE gathered in Lund for the traditional biennial alumni conference. Three days with participants from all parts of the world networking, updating, sharing professional insights, re-uniting with dear colleagues and friends, re-visiting Lund and the IIIEE – in all a unique, happy and inspiring event! The conference was organised jointly by the IIIEE and the IIIEE Alumni Network.

## IIIEE PHD DEFENCES

During 2017, Thomas Parker, Alvar Palm and Lars Strupeit defended their doctoral dissertations in Industrial Environmental Economics. Thomas Parker defended his dissertation on 13 January 2017 with the title: The Meaning of Environmental Management: An Interpretive Study of Managing Emergent or Evolutionary Environmental and Energy Strategy. Alvar Palm defended his dissertation on 8 February 2017 with the title: Residential solar photovoltaics deployment: barriers and drivers in space. And Lars Strupeit defended his dissertation on 6 November 2017 with the title: Scaling up solar photovoltaic use: A system-oriented assessment of experiences gained in deployment.



## EVENTS, NETWORKS AND COLLABORATIONS

### RAW MATERIALS UNIVERSITY DAY 2017 – BUILDING NEW NETWORKS BETWEEN SCHOOLS, INDUSTRY AND ACADEMIA

In October 2017, the Raw Materials University Day was held in Vattenhallen Science Center in Lund. The event targeted secondary school students in Lund and it was organised by the IIIEE, EIT Raw Materials at LTH (Faculty of Engineering) at Lund University and Vattenhallen Science Center. The aim of the day was to increase the interest in and the understanding

for innovations and education within the field of sustainable development. The event was also organised to build new networks between schools, industry and academia in order to increase curiosity of science and research and to enhance the understanding of how researchers and industry collaborate.



### SUSTAINABILITY WEEK 2017

In May 2017, the Sustainability Week was held in Lund as part of the celebrations of Lund University becoming 350 years old. During this week, the IIIEE organised several events, including: Sustainable Fashion – finding cuts for the future; Fossil-free Skåne – Opportunities for a modern future; and the Urban Planet – Sustainable Urban Development.



### 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 centred around a task formulated by a client somewhere in Europe or around the world. In 2017, two SED reports were produced on Tales of sustainable transitions (EMP programme) and Shedding light on sustainable procurement (MESPOM programme).



### INTERNATIONAL WORKSHOP ON THE SHARING ECONOMY

In June 2017, the International Workshop on the Sharing Economy was organised in Lund. The workshop was arranged by the IIIEE together with the Department of Urban Planning and Environment at KTH (Royal Institute of Technology), and attracted nearly a hundred participants from around the world.



**Masters students:** 83 on campus (135 on campus and distance)

**Masters graduates:** 900+ people from 100+ countries

**Staff:** 40+ (26 researchers | 10 PhD students | 7 administration | guest researchers)

**Visitors to MOOCs:** 32,000 (113,000 in total since 2015)



**Publications:** 43 (979 in total)  
**Downloads:** 41,000 (172,000 in total)  
**Research projects:** 30  
**Turnover:** 35 Million SEK

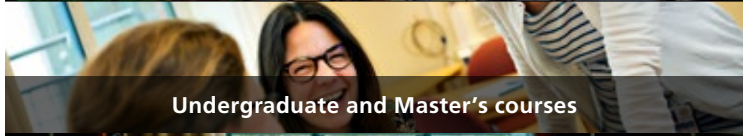
# The IIIEE by numbers in 2017

## 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.



Massive Open Online Courses (MOOCs)



Undergraduate and Master's courses



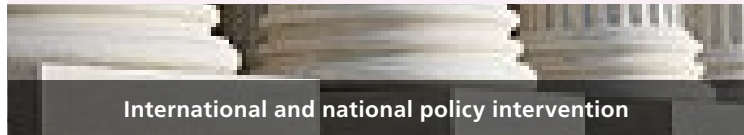
PhD programme



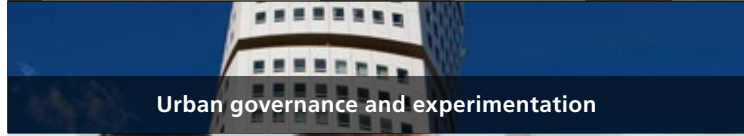
International Master's programmes

## 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

## WHAT NEXT FOR THE IIIEE IN 2018?

Research coordinators developing four research groups ...

A new alumni network online platform ...

Two new MOOCs on the circular economy and nature-based solutions in cities ...

Start of an improved design for the Master's programme in Environmental Management and Policy ...

A diversity of seminars and events at the IIIEE ...

Visit [www.iiiee.lu.se](http://www.iiiee.lu.se) for all the news, events, projects and publications from the IIIEE