

Sweden/ Suède

(734)

UNITWIN/UNESCO Chairs Programme

Progress report

Period of activity: 2006-2008

UNESCO Chair in Education for Sustainable Development

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I. Activities

1. Education/Training/Research

Education

At the masters' level educational efforts are conducted through two programmes:

- MSc in *Environmental Management and Policy (EMP)*
- MSc in *Environmental Sciences, Policy and Management (MESPOM)*

The EMP is the original international masters' programme, an applied and multidisciplinary programme designed to provide graduates with a solid foundation for action in the area of preventive environmental management and accompanying strategies.

The EMP is in transition into a two-year/four-semester (120 ECTS credits) programme in accordance with the Bologna process for standardizing degree length and quality of European higher education. In 2007 the first distance-based semester was successfully completed. The on-line semester facilitates the use of ICT and distance education in higher education and was a conscious decision on behalf of the IIIEE when developing the programme.

The MESPOM programme was launched in 2005 in cooperation with the Central European University, Hungary, the University of Manchester, UK and the University of the Aegean, Greece and it is an Erasmus Mundus programme, supported by the European Commission.

Training

- **Young Masters Programme**

The programme is a web-based, interactive distance-learning course, designed for students between 16-18 years of age, which focuses on issues related to sustainable development and preventive environmental strategies. The vision for the Young Masters Programme is to draw on the experiences of managing the education in a small and medium scale since 1999 and move forward to create the largest, most comprehensive and exciting distance education on sustainable development in the world. In order to be able to meet that vision, as well as the growing demand globally for such education, the IIIEE is now initiating a dynamic development and expansion phase of the programme in that will make it possible to educate up to 100 000 (or even more) simultaneously by 2015.

The education facilitates concrete sustainability skills and provides easy-to-understand information on the major sustainability challenges facing humanity. It has a true global outreach - students from 113 countries have participated in the programme. It is available for all schools worldwide and distributed free of charge. The YMP teacher network consists of over 1.500 active teachers from all over the world and by the end of 2008 more than 10.000 students have completed the programme, of which 5.000 are from China. The YMP is available on-line at <http://www.iiiee-ymp.org>

The YMP course is currently divided into four parts:

- Part 1 comprises eight weeks of studies about sustainability.
- Part 2 deals with preventive environmental strategies during its ten weeks.
- Part 3 asks participants to develop a project work to apply the learned concepts to real situations.
- Part 4 is the Global Environmental Youth Convention (GEYC), a recurrent convention where students and teachers meet.

The YMP is a part of the UNESCO framework and cooperates with several international teachers networks (e.g. Foundation for Environmental Education (FEE) and Caretakers of the Environment International).

- **Global Environmental Youth Convention (GEYC)**

Connected to the programme is the Global Environmental Youth Convention. This is an opportunity for young students concerned about sustainability to gather and share experiences and the results of their respective project works. The convention is organised by the IIIIEE with local partners every 2-3 years with meetings so far in Lund, Sweden in 2000, Turin, Italy in 2002, Alexandria, Egypt in 2004, Dubai, UAE in 2006, and planned for Beijing, China, late autumn 2009 in conjunction with the planned EU-China summit during the Swedish term of the EU presidency.

- **YMP in China**

The Young Masters Programme in China is developed by the IIIIEE in cooperation with the Centre for Environmental Education & Communication (CEEC) of the Chinese Ministry of Environmental Protection (MEP). CEEC is responsible for the approximately 45 000 Chinese Green Schools. The YMP in China is also conducted in close co-operation with the Swedish Ministry for Foreign Affairs and the Swedish Embassy in China. By the end of 2008 more than 5 000 Chinese students has been educated within the YMP.

The objective is to promote sustainability education and awareness in Chinese Green Schools, strengthen English and computer skills, provide international contacts and networks and cultivate a culture that encourages sustainability perspectives among teachers, students and parents. IIIIEE has over the years developed a fruitful partnership with the CEEC, and an extensive “Educate the Educators”-programme has been carried through in order to implement the YMP in Chinese schools.

- **Board of Patrons**

During the fall of 2008, IIIIEE initiated the Young Masters Board of Patrons. Consisting of key decision makers and prominent leaders, who are genuinely committed to the vision of building a sustainable society and who share the IIIIEE’s belief that education and empowerment of young people play a pivotal role in achieving that vision, the board provides valuable leadership and direction for the development of the programme.

Research

The Institute has since its inception had an important part of its research building on life cycle thinking exemplified by the research in *Sustainable Products and Service Systems*. This research area has developed over time and includes research activities covering environmental product policies, product service systems (PSS), design for environment (DFE), supply chain management and inter-organizational management, innovation and entrepreneurship in the sustainability area, information and communication technology (ICT) and sustainable development, and sustainable tourism.

In 2001 the Institute made a strategic decision to put more emphasis on research related to *Energy for Sustainable Development*. The main orientation of the energy research has come to be focused on energy and development, socio-economic and socio-political barriers to the uptake of innovative energy alternative, innovation and entrepreneurship in the energy system, learning systems and cost development and of new technologies, formation of partnership and regional networks to co-ordinate development of new energy systems and policy instruments to achieve changes in the energy system.

In 2006, research related to *Policies and Systems for Sustainable Buildings* was given additional emphasis through the donation of a grant by Svenska Hus i Göteborg AB. Research in this area relates to innovation and learning related to technology and market development for sustainable buildings, implementation and evaluation of policy instruments for sustainable buildings and methods and models for analyzing future energy demand in the building sector and the assessment of different policy instruments.

In 2008 the number of employees engaged in research at IIIIEE has been approximately 30. However, not all researchers are working full time at the institute, or working full time at the Institute, but are not fully devoted to research.

The close interaction between researchers with different disciplinary background and between senior researchers, PhD students and Masters' students, facilitates possibilities to approach new innovative research fields. Each year, some 30 master students spend 4 months each in writing master theses on highly relevant topics, that is, a research effort of approximately 10 years. The theses are designed in close cooperation with IIIIEE staff and external partners in industry, government, research institutes, and other organizations.

Research highlights from 2008

Some highlights from the research projects conducted during 2008 include the finalization of the FLIPP research programme and of a study of environmental management in Swedish manufacturing industries. The year also saw the defense of three PhD theses. These are presented separately below. Other highlights include the following.

- **Biorefinery concepts**

2008 was the 2nd year of a research project for the IIIIEE within the EU FP6 project Assessment of BIOrefinery concepts and the implications for agriculture and forestry POLicy (BIOPOL). Initial reporting of Institute research into the understanding, acceptance and support for advanced bioenergy and bioproduct systems among policy-makers was delivered during the year. This project will be finalized in mid-2009.

- **Enforcement of environmental quality objectives**

Through the setting of 16 Environmental Quality Objectives and a vast number of sub-targets, Sweden has established a baseline for ecological sustainability. IIIIEE has participated in the ENGO research programme, funded by the Swedish Environmental Protection Agency with the aim to develop research which is relevant for the communication, measurement and enforcement of the quality objectives. IIIIEE has conducted research concerning the governance aspects: who is responsible for the enforcement of the objectives, and what policy instruments should be employed for this purpose? Special attention has been given to the use of the legal instruments licensing (permitting) and supervision.

- **EPR in developing Countries**

The IIIIEE has during 2008 worked together with Greenpeace International to explore the possibilities for developing systems and legislation for e-waste management based on extended producer responsibility (EPR) in India, Thailand and Argentina, with consideration of individual producer responsibility (IPR). A report on the situation in Argentina was published in Spanish and English and presented to the Environmental Committee in the Senate and in a conference in Buenos Aires in November 2008. The report for Thailand will come in 2009.

- **Innovative framework for energy scenarios**

Energy systems scenarios are developed to explore and evaluate different visions of the energy future. However, these scenarios are developed using models that only to a limited extent take into account decentralized decisions, e.g. household investments decisions for energy efficiency technologies and solar cells. In 2008 IIIIE started up a project in which we are to analyze and advance methods that capture several determinants affecting technology choice concerning different household energy use. Such methods are needed to improve the analysis and evaluation of energy policy instruments for improved energy efficiency in the built environment.

- **Overcoming barriers to bioenergy**

During the year, the IIIIE has continued its activity into the 5th year of the pan-European research project "Network of Excellence (NoE): Overcoming Barriers to Bioenergy". Institute tasks have focused on analysis of risk reduction strategies in agriculture for biofuel production and analysis of bioenergy policy problems in the EU. The NoE will conclude in late 2009.

- **Policy instruments for energy use in buildings**

The challenges related to sustainable development and climate change are huge and further development will require effective policy instruments for innovative energy use in, for example, the building sector. In 2008 IIIIE started a project financed by Cerbof to improve knowledge related to the use of strategies and policy instruments to improve efficient energy use in buildings. In the first phase we look at how policy instruments in Sweden have supported the innovation and development processes of energy efficient windows.

- **Products in household waste**

This is a project for the Nordic Council of Ministers on how to determine the content of various products in the household waste. Traditionally, such statistics are expressed in material fractions, limiting the possibilities to use the information for forming preventive product policies and making prognoses on future development of the household waste.

- **Regional Air Pollution in Developing Countries**

In October of this year, the IIIIE finalized its component of work within the Regional Air Pollution in Developing Countries (RAPIDC) project – a SIDA project coordinated by the Stockholm Environment Institute (SEI). Work was conducted in collaboration with national implementing agencies in Asia and Africa in the period 2005-2008. IIIIE outputs include a series of guidelines and reports addressing planning and policy for air pollution prevention, mitigation and control.

- **Social classes and consumer segmentation: state-of-the-art, consumption drivers and implications for sustainable consumption**

The main research goal of this project is to contribute to better understanding of how more sustainable consumption patterns can be promoted depending on which social classes, milieus, groups and market segments are addressed. The study drew on traditional marketing strategies and on recent studies of lifestyle typologies. It identified differences between social groups and drew conclusions on the importance to consider social groupings in developing sustainable consumption strategies. The study is a part of a larger project for European Topic Centre on Waste and Resources at the European Environmental Agency.

- **Socially responsible purchasing in Swedish organizations**

The project for the Swedish Environmental Management Council investigated whether and to what extent social criteria are incorporated in the current procurement practices of public and private organizations in Sweden. It also identified drivers and barriers for organizations to include social criteria in their procurement practices and developed a model for how the process of developing a system for socially responsible purchasing can be undertaken.

- **Sustainable Consumption Policies Effectiveness Evaluation (SCOPE2)**

This European project conducted under the EU 6th Framework Programme aimed at evaluating existing policy instruments, voluntary business initiatives for sustainable consumption and production

and more systemic approaches to realize SCP. A gap analysis and analysis of white spots were conducted to identify new instruments and approaches that seem necessary for furthering sustainable consumption and production, but are not yet applied in all countries or anywhere. The project identified short, middle and long-term goals, means and problems with reaching various levels of sustainable consumption and production from a systemic perspective. It furthermore developed recommendations for how policy, business and more systemic efforts can be undertaken to promote SCP and which political actors should be involved in specific activities.

- **Sustainable Leisure Lifestyles**

Leisure is one of the fundamental bricks of human life, but it also has various impacts on environment and communities. In 2008 the IIIIEE started a project financed by Formas to contribute to the development of strategies and tools to overcome some of these challenges. The project contributes to the sustainable tourism research effort at the Institute and will continue throughout 2010.

- **White Certificates**

In 2008 IIIIEE finalized a number of projects related to White certificates. Over the years the Institute has cooperated on, and partly coordinated several projects financed through EU, IEA, The Swedish Energy Agency and Elforsk. The projects have been developed in close collaboration with European partners and several Swedish public and private stakeholders.

2. Conferences/Congresses/Meetings

Developing further inter-university co-operation regarding the transfer and sharing of knowledge between universities and the promotion of academic solidarity across the world is of great importance in the area of Education for Sustainable Development and the IIIIEE would like to continue and extend the role as an active part in the collaboration between the Swedish National Commission for UNESCO and the other UNESCO Chair holders (for instance with the UNESCO Chair at Chalmers University of Technology) as well as UNESCO networks in Education for Sustainable Development.

- For example the Institute participated in the Conference in Gothenburg in November 2008 as well as in the world conference in Germany, April 2009.

In order to disseminate and spread the knowledge gained in the project "Lund Calling" as well as enhancing the transfer and sharing of knowledge between universities, the IIIIEE proposes – together with Lund Municipality – to arrange a combined International UNITWIN/UNESCO and EU-Conference on Education for Sustainable Development through online learning and the effects in the local and global classrooms.

- **"The Planet in 2050"**

By the end of October 2008, IIIIEE hosted close to 50 of the world's leading scientists from different fields within global change studies in Lund. The meeting was initiated by Professor Guy Brasseur, NCAR USA and Professor Will Steffen at The Australian National University, two of the principal researchers within the global research networks International Geosphere-Biosphere Programme (IGBP) and Earth System Science Partnership (ESSP).

The International Council for Science (ICSU) is the head of these networks and is the collaborative organization for the world's science academies. The ESSP network is by far the largest and most prominent research network on global environmental changes.

The meeting "The Planet in 2050 - An Exploratory Workshop" took place at Grand Hotel in Lund and was focused on what the world look will like in the year 2050 and what measures need to be taken in order to make the earth a desirable place to live in considering challenges such as global warming,

allocation of resources and the preservation of biological diversity. The results is going to be published 2009 in a book with the title “The Planet in 2050 – the Lund discourse of the future”

IIIEE was represented at the workshop by Professor Thomas B Johansson, Professor Aleh Cherp and four of its Master students.

3. Publications

Journal articles

Title: Gaining legitimacy in contemporary world: environmental and social activities of organizations

Authors: Emtairah, Tareq & Mont, Oksana

Publisher: International Journal of Sustainable Society

Year: 2008

Number of pages: 134-148

Title: European renewable energy policy at crossroads – Focus on electricity support mechanisms

Authors: Johansson, Thomas B & Fouquet, Doerte

Publisher: Energy Policy

Year: 2008

Number of pages: 4079-4092

Title: Producer responsibility at a turning point?

Authors: Lindqvist, Thomas & Lifset, R.

Publisher: Journal of Industrial Ecology

Year: 2008

Number of pages: 144-147

Title: The Emerging Liquid Biofuels Markets in Argentina: Implications for Domestic Demand and International Trade

Authors: McCormick, Kes, Lamers, P & Hilbert, J.

Publisher: Energy Policy

Year: 2008

Number of pages: 1479-1490

Title: Network management and environmental effectiveness: the management of end-of-life vehicles in the United Kingdom and in Sweden

Author: Manomaivibool, Panate

Publisher: Journal of Cleaner Production

Year: 2008

Number of pages: 2006 – 2017

Title: Sustainability analysis of a product service system in Latin America. Case study of coffee in Yungas, Bolivia

Authors: Mont, Oksana & Devisscher, Tahia

Publisher: International Journal of Innovation and Sustainable Development

Year: 2008

Number of pages: 262-284

Title: Innovative approaches to optimising design and use of durable consumer goods

Author: Mont, Oksana

Publisher: International Journal of Product Development

Year: 2008

Number of pages: 227-250

Title: Innovative the role of households in SCP agenda: A one-actor show or concerted action?
Author: Mont, Oksana
Publisher: Journal on Innovation and Sustainable Development
Year: 2008
Number of pages: 201-214

Title: Sustainable consumption progress: should we be proud or alarmed?
Authors: Mont, Oksana & Plepys, Andrius
Publisher: Journal of Cleaner Production
Year: 2008
Number of pages: 531-537

Title: Markets for energy efficiency: Exploring the implications of an EU-wide 'Tradable White Certificate' scheme
Author: Mundaca, Luis
Publisher: Energy Economics
Year: 2008
Number of pages: 3016 – 3043

Title: Market behaviour and the to-trade-or-not-to-trade dilemma in 'Tradable White Certificate' schemes
Authors: Mundaca, Luis, Neij, Lena & Labanca N et al.
Publisher: Energy Efficiency
Year: 2008
Number of pages: 323-347

Title: Tradable white certificate schemes: what can we learn from tradable green certificate schemes?
Authors: Mundaca, Luis & Oikonomou, V.
Publisher: Energy Efficiency
Year: 2008
Number of pages: 211-232

Title: Inter-organizational use of EMS in the supply chain management: some experiences from Poland and Sweden
Author: Nawrocka, Dagmara
Publisher: Corporate Social Responsibility and Environmental Management
Year: 2008
Number of pages: 260-269

Title: Environmental supply chain management, ISO 14001 and RoHS. How are small companies in the electronics sector managing?
Author: Nawrocka, Dagmara
Publisher: Corporate Social Responsibility and Environmental Management
Year: 2008
Number of pages: 359-360

Title: Finding the connection: environmental management systems and environmental performance
Authors: Nawrocka, Dagmara & Parker, Thomas
Publisher: Journal of Cleaner Production
Year: 2008

Title: Cost development of future technologies for power generation – A study based on experience curves and complementary bottom-up assessments
Author: Neij, Lena
Publisher: Energy Policy

Year: 2008
Number of pages: 2200-2211

Title: The emergence of regional learning for viable sustainable development: changing teaching for the globally extended classroom. The Oculus U21
Author: Nordén, Birgitta
Publisher: The Virginia Journal of Undergraduate Research
Year: 2008

Title: Training and communication in the implementation of environmental management systems (ISO 14001): a case study at University of Gävle, Sweden
Authors: Sammalisto, Kaisu & Brorson, Torbjörn
Publisher: Journal of Cleaner Production
Year: 2008
Number of pages: 299-309

Title: Reviewing the IYE and WSSD processes and impacts on the tourism sustainability agenda
Author: Tepelus, Camelia
Publisher: Journal of Ecotourism
Year: 2008
Number of pages: 77-86

Title: Social responsibility and innovation on trafficking and child sex tourism: Morphing of practice into sustainable tourism policies?
Author: Tepelus, Camelia
Publisher: Tourism and Hospitality Research
Year: 2008
Number of pages: 98-115

Reports

Title: Hur Integrerade är Miljökvalitetsmålen i Svensk Tillverkningsindustri?
Authors: Arnfalk, Peter, Brorson, Torbjörn & Thidell, Åke
Publisher: Delrapport II till Miljömålsrådet
Year: 2008

Title: Miljöarbete inom teknikföretag - utvecklingstendenser samt jämförelser med annan tillverkande industri
Authors: Arnfalk, Peter, Brorson, Torbjörn & Thidell, Åke
Publisher: IIIIEE Report
Year: 2008

Title: Produkter som ger miljönytta (Advantage environment). En exempelsamling på nya och existerande produkter som bidrar till en bättre miljö.
Author: Brorson, Torbjörn
Publisher: Svenskt Näringsliv
Year: 2008

Title: Zero carbon energy systems
Authors: Cherp, Aleh, Johansson, Thomas B, & Novikova A.
Publisher: IIIIEE Report, Tallberg Forum
Year: 2008

Title: Möjligheter till rättsligt genomdrivande av miljökvalitetsmål
Authors: Dalhammar, Carl. Miljömålen och miljöbalken
Publisher: IIIIEE Report

Year: 2008

Title: The challenges of energy efficiency innovations in the Nordic building sector - Green Markets and Cleaner Technologies (GMCT)

Authors: Emtairah, Tareq, Tojo, Naoko, Thidell, Åke, Rozite, Vida & Hayes, Morrigan

Publisher: Tema Nord

Year: 2008

Title: Vägar fram mot en långsiktigt hållbar framtid

Authors: Foug, Carl, Thidell, Åke, Hansson, Lars & Kisch, Peter et al. HÖGESTAD & CHRISTINEHOF

Publisher: IIIIEE Lund University

Year: 2008

Title: Innovation Systems and Environmental Technologies - Cross-sectoral analysis and policy implications

Authors: Hayes, Morrigan, Tojo, Naoko, Emtairah, Tareq & Thidell, Åke et al.

Publisher: Tema Nord

Year: 2008

Title: Best available technologies and techniques for large point sources: RAPIDC in South Asia

Authors: Israilava Alesia & Philip Peck

Publisher: Regional Air Pollution in Developing Countries - RAPIDC

Year: 2008

Title: Impact of BAT and techniques in the housing sector: A resource document for RAPIDC in South Asia.

Authors: Israilava Alesia & Philip Peck

Publisher: Regional Air Pollution in Developing Countries - RAPIDC

Year: 2008

Title: Extended producer responsibility in the Latin American context: The management of waste electrical and electronic equipment in Argentina

Authors: Lindqvist, Thomas, Manomaivibool, Panate & Naoko Tojo

Publisher: Commissioned by Greenpeace International

Year: 2008

Title: Agro-energy Activities in Poland, Sweden, France, Finland and Austria

Authors: McCormick, Kes, Ganko, E., Bamiere, L., Luostarinen, S. & Schwaiger, H.

Publisher: Research Report for the Bioenergy Network of Excellence

Year: 2008

Title: Mapping and analysis of EU policy influencing the development of the biorefinery concept

Authors: McCormick, Kes, Peck, Philip, Burel, C & Mozaffarian, H.

Publisher: Research Report of the Assessment of BIOrefinery concepts and the implications for agricultural and forestry POLicy (BIOPOL) project

Year: 2008

Title: Socially responsible purchasing in the supply chain: the present state in Sweden and lessons for the future

Authors: Mont, Oksana & Leire, Charlotte

Publisher: Swedish Environmental Management Council

Year: 2008

Title: Sustainable Consumption Policies Effectiveness Evaluation (SCOPE2)
Authors: Mont, Oksana, Tukker, A & Diaz-Lopez, F et al.
Publisher: Report to European Commission within FP6
Year: 2008

Title: System dynamics to diagnose and devise patterns for sustainable consumption and production
Authors: Nemeskeri, Robert, Mont, Oksana, Bodo, P. & Herczeg, M.
Publisher: Swedish EPA
Year: 2008

Title: Lärares erfarenheter av förändrad undervisning – lärare möter övergångar mellan det lokala och det globala klassrummet
Author: Nordén, Birgitta
Publisher: Lärande Lund Rapport, Lund
Year: 2008

Title: Lund Calling – a pilot project. The learning process
Authors: Nordén, Birgitta & Anderberg, E
Publisher: Delrapport 1 från Lärande Lund till Lunds kommun
Year: 2008

Title: Policy Interventions and Industrial Strategies for Bioenergy: Alignment, Dysfunction, Understanding and Acceptance
Authors: Peck, Philip, McCormick, Kes, Bissett-Amess, Rachelle & Lenhart, Jenifer
Publisher: Research Report for the Bioenergy Network of Excellence
Year: 2008

Title: Best available technologies and techniques in the transport sector: A resource document for RAPIDC in South Asia
Author: Strupeit, Lars
Publisher: Regional Air Pollution in Developing Countries - RAPIDC
Year: 2008

Title: Developing Emission Scenarios to aid Air Pollution Prevention and Control: A guideline manual for RAPIDC in South Asia
Authors: Strupeit, Lars & Peck, Philip
Publisher: Regional Air Pollution in Developing Countries - RAPIDC
Year: 2008

Title: Policy Options for Air Pollution Prevention and Control in South Asia: A good practice casebook to support policy work within the RAPIDC programme
Authors: Strupeit, Lars & Peck, Philip
Publisher: Regional Air Pollution in Developing Countries - RAPIDC
Year: 2008

Title: Miljöarbete inom svensk tillverkningsindustri – en färd från myt till verklighet
Authors: Thidell, Åke, Arnfalk, Peter & Brorson, Torbjörn
Publisher: IIIIEE Report
Year: 2008

Title: Evaluation of Waste Management Policy and Policy Instruments : Three case studies
Author: Tojo, Naoko
Publisher: IIIIEE Report 2008:3
Year: 2008

Title: Waste management policies and policy instruments in Europe: An overview
Authors: Tojo, Naoko, Neubauer, Alexander & Bräuer, Ingo
Publisher: IIIIEE Report 2008:2
Year: 2008

Title: The Nordic swan – from past experiences to future possibilities
Authors: Thidell, Åke, Leire, Charlotte, Aalto, K & Heiskanen, E.
Publisher: Nordic council of ministers, TemaNord
Year: 2008

Title: Att arbeta med produktval i praktiken [Practice of product choice principle]
Authors: Thidell, Åke, Rodhe, Håkan, Trolle, A & Rozite, V.
Publisher: Kemikalieinspektionen Rapport Nr 2/08
Year: 2008

Books and chapters

Title: Miljöarbetet stärker affärerna!
Authors: Brorson, Torbjörn, Enell, Magnus & Almgren, R.
Publisher: Uppsala Publishing House
Year: 2008

Title: SEA systems in Eastern Europe, Caucasus and Central Asia
Author: Cherp, Aleh
Publisher: Earthscan
Year: 2008

Title: SEA follow-up
Author: Cherp, Aleh
Publisher: Earthscan
Year: 2008

Title: Teaching Environmental Assessment in international interdisciplinary Masters courses
Author: Cherp, Aleh
Publisher: Earthscan
Year: 2008

Title: The role of Environmental Management Systems in enforcing standards and thresholds in the context of EIA follow-up
Author: Cherp, Aleh
Publisher: Earthscan
Year: 2008

Title: The role of Environmental Management Systems in enforcing standards and thresholds in the context of EIA follow-up
Author: Cherp, Aleh
Publisher: Earthscan
Year: 2008

Title: Policy Options and Implementation Measures Promoting Electricity from Renewable Biomass in the European Union
Author: Kautto, Niina
Publisher: Der Juristische Verlag Lexxion
Year: 2008

Title: Applying industrial waste management in practice – reassessing the economics of the waste hierarchy

Author: Kurdve, Martin

Publishers: Yeoh & Middlesex University press.

Year: 2008

Title: Chemical Management Services: Safeguarding Environmental Outcomes

Author: Kurdve, Martin

Publishers: Environmental Management Accounting for Cleaner Production. Springer.

Year: 2008

Title: Product-service systems: Panacea or myth?

Author: Mont, Oksana

Publisher: VDM Verlag Dr. Müller Aktiengesellschaft & Co.

Year: 2008

Title: Public policy for sustainable consumption

Authors: Mont, Oksana & Dalhammar, Carl.

Publisher: Nova Science Publishers

Year: 2008

Title: Systemic changes and sustainable consumption and production: cases from product-service systems

Authors: Mont, Oksana & Emtairah, Tareq

Publisher: Greenleaf Publishing

Year: 2008

Title: Klimatmärkning av mat - vad kan det ge och när ska det ske?

Authors: Mont, Oksana & Paulavets, Katsarina

Publisher: KLIMATfrågan på bordet

Year: 2008

Title: Extended Producer Responsibility as a Driver for Design Change. Utopia or Reality?

Author: Tojo, Naoko

Publisher: VDM Verlag Dr. Müller Aktiengesellschaft & Co.

Year: 2008

Title: Teaching fellow students as a way of motivating future decision makers

Authors: Tojo, Naoko & Lindqvist, Thomas

Publisher: Centre for Educational Development, Lunds universitet.

Year: 2008

Dissertations

Title: Markets for Energy Efficiency - Exploring the new horizons of tradable certificate schemes

Author: Mundaca, Luis

Publisher: IIIIEE, Lund University

Year: 2008

Title: Destination Unknown? The Emergence of Corporate Social Responsibility for Sustainable Development of Tourism

Authors: Tepelus, Camelia M.

Publisher: IIIIEE, Lund University

Year: 2008

Title: Individual Producer Responsibility in the WEEE Directive - From Theory to Practice?
Author: Van Rossem, Chris
Publisher: IIIIEE, Lund University
Year: 2008

Conferences and miscellaneous

Title: Energy security: a perspective from the transit countries. Proceedings of Security of Energy Supply: EU, Russia and Transit Countries
Author: Cherp, Aleh
Year: 2008

Title: Energy security: the Baltic and Swedish perspectives. Energy Security in the Baltic Region
Author: Cherp, Aleh
Year: 2008

Title: Lightning the way
Author: Johansson, Thomas B.
Year: 2008

Title: Renewable energy technologies and poverty alleviation: overcoming barriers and unlocking potential
Authors: Johansson, Thomas B, Davidsson, O & Christensen, J M.
Year: 2008

Title: National Biomass Action Plans - Effective Coordinators of Bioenergy Development
Authors: Kautto, Niina & Peck, Philip
Year: 2008

Title: role of national biomass action plans in coordinating the national bioenergy activities
Authors: Kautto, Niina & Peck, Philip
Year: 2008

Title: Nytänkande i att köpa kemikalier
Author: Kurdve, Martin
Year: 2008

Title: Improving bio-literacy: Developing a communication strategy for bio-energy
Author: McCormick, Kes.
Year: 2008

Title: Extended Producer Responsibility in East Asia: Approaches and lessons learnt from the management of waste electrical and electronic equipment
Author: Manomaivibool, Panate
Year: 2008

Title: EPR in a non-OECD Context: An introduction to research projects on the management of WEEE
Authors: Manomaivibool, Panate, Lindhqvist, Thomas & Naoko Tojo
Year: 2008

Title: In search of sustainable lifestyles. An antithesis to economic growth
Author: Mont, Oksana
Year: 2008

- Title:** Regional Cooperation in Waste Management: experiences from RECO and RECO-East projects
Authors: Mont, Oksana & Plepys, Andrius
Year: 2008
- Title:** Market transformation for energy efficiency - a case study of the introduction and diffusion of heat pumps in Sweden and Switzerland
Authors: Neij, Lena, Kiss, Bernadett & Jakob, M.
Year: 2008
- Title:** Actors perspective on sustainable consumption and production: roles, motivations, and challenging conflicts
Authors: Nemeskeri, Robert & Mont, Oksana
Year: 2008
- Title:** Is de-growth possible? Co-evolution and control
Authors: Nemeskeri, Robert, Mont, Oksana, Bodo, P & Herczeg, M.
Year: 2008
- Title:** Out of control? Complex adaptive systems of humanity and its environment
Authors: Nemeskeri, Robert, Mont, Oksana, Bodo, P & Herczeg, M.
Year: 2008
- Title:** System challenges in addressing sustainable consumption and production: growth, speed, and profit.
Authors: Nemeskeri, Robert, Mont, Oksana, Bodo, P & Herczeg, M.
Year: 2008
- Title:** Active Literacy: Competence and Understanding, Internally Naturalized – students experiences of going from decoding to understanding advanced literature (ALCUIN)
Author: Nordén, Birgitta
Year: 2008
- Title:** Teachers' experience of changing teaching – teachers meet the bridge between the local and the global classroom
Author: Nordén, Birgitta
Year: 2008
- Title:** Tutors' role in networked learning from tutor perspective: advancing students' dialogue-based learning globally
Authors: Nordén, Birgitta & Hansson, B.
Year: 2008
- Title:** Dysfunction between policy and industry – Important barriers to the uptake of bioenergy in Europe
Authors: Peck, Philip & McCormick, Kes.
Year: 2008
- Title:** Expanding bioenergy in Europe: Analyzing interactions and dysfunction between policy and industry
Authors: Peck, Philip & McCormick, Kes.
Year: 2008
- Title:** Co-benefit strategies for more sustainable biomass supply from economies in transition
Authors: Peck, Philip & Voytenko, Yulia
Year: 2008

Title: Strategies to leverage biofuel crop co-benefits: A discussion of more sustainable models for large scale biomass supply from economies in transition
Authors: Peck, Philip & Voytenko, Yulia
Year: 2008

IIIEE Masters' Theses

Title: Ecotourism: a tool for Community Development Panacea or Mere Rhetoric? The case of Puerto Princesa, Palawan Island in the Philippines.
Author: Andrade, Monica M.
Year: 2008

Title: Standard Setting for Technology Procurement: Redesigning an Instrument for the Environment
Author: Badkas, Sachin Kumar
Year: 2008

Title: Energy efficient buildings in warm climates of the Middle East: Experience in Iran and Israel.
Author: Bahrami, Soheila
Year: 2008

Title: Experience of Policy Instruments used to promote renewable energy
Author: Baijayanta, Nath
Year: 2008

Title: Communicating CSR Between Businesses Where do reports fit in?
Author: Barsoumian, Sarine
Year: 2008

Title: Extended Producer Responsibility for the Management of Waste from Mobile Phone
Author: Basiye, Karen Khayanje
Year: 2008

Title: The effects of parking accessibility on work commuting: Considering parking policies as a mobility management tool for Lund
Author: Beaudry, Estelle
Year: 2008

Title: Nature For Sale But Who's Buying? Biodiversity Banking in Malua, Sabah
Author: Chin Yoke Lin, Melissa
Year: 2008

Title: Source Separation Scheme in Three Thai Cities: Comparison of achievements
Author: Chivakidakarn, Yanin
Year: 2008

Title: Religious Groups and Climate Change: Drivers, Barriers and Religious Engagement on Climate Change
Author: Colon, Lewis R.
Year: 2008

Title: Drivers and Barriers to Rural Bioenergy Entrepreneurships: The Case of Biogas in Vietnam
Author: Cook, Brendan
Year: 2008

Title: Uncertainty in financing of the Clean Development Mechanism projects: The case of small-scale energy efficiency and fuel switch project in public buildings
Author: Costromitcaia, Irina
Year: 2008

Title: Environmental Considerations in Corporate Lending Business of Montenegrin Commercial Banks: Recommendable Environmental Policies and Procedures in Corporate Credit Management
Author: Delibasic, Ratka
Year: 2008

Title: Photovoltaic Power Systems in Denmark: Drivers, barriers and policies for diffusion
Author: Falk, Rebekka
Year: 2008

Title: End-of-life vehicles management in Europe: driving the change. Cases of Sweden and Germany
Author: Gross, Svetlana
Year: 2008

Title: What's the matter with the Wood Pellet Markets in Europe? An Investigation of Pellet Markets in Sweden, Austria and Germany
Author: Hennig, Christiane
Year: 2008

Title: Energy Crops: Stakeholder Identification and Analysis - A Case of Belarus
Author: Israilava, Alesia
Year: 2008

Title: Information about chemicals in articles: The toy industry as an example
Author: Karlsson, Patrik
Year: 2008

Title: End-of-life implications of electronic textiles: Assessment of a converging technology
Author: Köhler, Andreas R.
Year: 2008

Title: Definition of Green IT - Is Green IT Good Business? A market analysis from an IT service provider's perspective
Author: Lorusso, Alberto
Year: 2008

Title: E-waste Management Policy in India - Stakeholders' perceptions and Media attention
Author: Manda, Krishna B M
Year: 2008

Title: Social Innovations in Creative Communities for Sustainable Consumption: is it promising?
Author: Mohsin Khan, Shazia
Year: 2008

Title: Bioenergy Entrepreneurship in Rural China
Author: Na, Lin
Year: 2008

Title: Toxic Omissions and Cancerous Growths: Addressing the Unexamined Assumption of Sustainable Consumption in Technologically Innovative Societies
Author: Nguyen, Hue Nhu

Year: 2008

Title: A Systems Approach to Health-care Waste Management: Understanding the Role of Government – The Case of Guyana

Author: Rampersaud, Preeya

Year: 2008

Title: LCA-based approach to environmental performance of Continuous Ambulatory Peritoneal Dialysis Fluids. Screening Life Cycle Analysis as a complementary tool for decision making in Gambro AB.

Authors: Rodriguez B, Alfredo E.

Year: 2008

Title: Assessment and Analysis of Industrial Hazardous Waste Management System of Pharmaceutical Sector in Egypt: A Case Study of The 10th of Ramadan Industrial City

Author: Shehata, Engy Mohamed

Year: 2008

Title: The Bitter Sweet Promise of Biofuels: Sweet for few, bitter for many - A study case of Honduras

Author: Silvestri, Luciana Carla

Year: 2008

Title: Towards Radical Eco-Innovation: Fabric Care at Electrolux

Author: Smith, Benjamin

Year: 2008

Title: Local Production and Use of bio-ethanol for Transport in Ethiopia: Status, challenges and lessons

Author: Tekle, Getish

Year: 2008

Title: Applying IO Approaches for Estimating Environmental Impacts of Industry and Policy in a Life Cycle Perspective: A case study - GHGs emission of semiconductor industry and “Two Trillion & Twin Star” Policy in Taiwan

Author: Tsao, Chi-Chung

Year: 2008

Title: What could be in store for carbon capture? Emerging pathways based on stakeholder perspectives

Author: Viswanathan, Samira

Year: 2008

Title: Pharmaceuticals in the aquatic environment – The role of decentralized wastewater treatment in risk management - Case study: Recirculating Biofilter (RBF)

Author: Yliruusi, Hannamaria

Year: 2008

4. Interuniversity Exchanges/Partnerships

The IIIEE cooperates with the following partners within its UNITWIN/UNESCO Chairs Programme in order to facilitate networking, exchange and to increase the quality of teaching in the field of ESD:

People's Republic of China

- Center for Environmental Education and Communications (CEECC), State Environmental Protection Administration (SEPA)
- Shangdong University

U.S.A

- The University of Tennessee, Knoxville, TN

Hungary

- Central European University in Budapest

United Arab Emirates – Dubai

- Zayed University
- Dubai Municipality

The Netherlands

- Delft University of Technology
- Utrecht University, Copernicus Institute for Sustainable Development and Innovation

Italy

- The University of Rome

Finland

- VTT Processes

Egypt

- Zagazig University
- Library of Alexandria
- University of Alexandria
- Arab Academy for Science and Technology and Maritime Transport

Greece

- University of the Aegean

United Kingdom

- University of Manchester

Poland

- Gdansk Technical University

Belarus

- Belarusan National Technical University

Russian Federation

- Kaliningrad State University

Argentina

- Universidad Catholica de Argentina

5. Other activities

The IIIEE Alumni Network consists of graduates that have attended the Masters Programmes and to date approximately 450 students from over 80 countries have graduated. The network enhances the collaboration between the IIIEE and the alumni for mutual academic, institutional and professional development. The ability to reach out to colleagues all over the world has proven to be a very efficient on-line tool and resource for the dissemination of different aspects of furthering sustainable development.

II. Outcomes

Networking and developing inter-university cooperation is an important part of the UNITWIN/UNESCO Chairs Programme and to enable this, the IIIEE participates as an active member of the Regional Centre of Expertise on Education for Sustainable Development in Skåne (RCE Skåne).

RCE Skåne is a network of existing formal, non-formal and informal education organizations mobilized to deliver education for sustainable development to local and regional communities and has developed through a partnership between the University College of Malmö and Lund University among others.

Future plans for developing further inter-university cooperation are presented below in the section on “Collaboration and Conference”.

III. Development prospects

A stable permanent status of the Chair/Network declared to the IIIIEE Institute is one of the fundamental conditions needed to be able to succeed to develop and extend the various global environmental education activities mentioned in this application form. The UNESCO Chair is a visible guarantee for all partners and collaborators that the activities are supported by UNESCO which also helps us a lot to raise funds and to allocate the necessary capital to the different ongoing and future projects.

As mentioned above the IIIIEE Institute is motivated and well prepared to take the next step in order to further develop and to extend different kind of active networks, useful for long term distribution of relevant knowledge and information about sustainable development, including know how about the IIIIEE’s core mission that “Prevention is Better than Cure”.

IV. Forthcoming activities

Proposed areas for parallel workshops, seminars:

- Distance Education, Global Exchange and Individual Empowerment
- New learning tools for Sustainable Development
- International Networking in the field of Education for Sustainable Development
- Design of online learning courses
- Effects on local versus global classrooms in the online training arena
- Results of teachers and students learning abilities according to the “Lundamodell” developed in the project “Lund Calling” (see below).

Lund Calling

Built on the Young Masters Programme and with the local environment as the scene, the IIIIEE has together with the Lund Education Department at the Lund Municipality developed the project “Lund Calling”. The aim with the project is to, locally, give students and teachers tools to facilitate the transition from gaining knowledge about sustainable development to real empowerment by creating actions locally and enabling the build up of personal networks so that the students themselves can become the “change agents” much needed for the future.

Together with teachers from all the local high schools (15-18 years old students) a local action plan will be developed based on the Young Masters Programme and students from all schools will participate. The Centre of Learning Lund will follow the project from a pedagogical point of view – how can an international on-line course on sustainable development affect the local activities when there is a critical mass of individuals in one certain geographical area taking part in them? Experiences from developing this “Lund Model” will be disseminated at local, regional and national contexts as well as at the proposed Conference.