

ESEE

European Society for Ecological Economics



Newsletter 2017



EDITORIAL

*Irene Ring,
President of ESEE*

Dear ESEE members and conference participants,

I cordially welcome you to this year's 12th International Conference of the European Society for Ecological Economics on 'Ecological Economics in Action: Building a Reflective and Inclusive Community', at the Corvinus University of Budapest.

Last year ESEE celebrated its 20th birthday with the publication of the 1996 – 2016 Anniversary Bulletin (available for download on our ESEE website!), yet we had no European event during 2016 to celebrate together. Now we meet here in Budapest in person to celebrate, to look back on a bit more than two decades of scholarly work and community-building and reflect together on our achievements. In this vein, the local conference organisers have put a special emphasis on bringing academic and practitioner communities together, crossing different disciplines and different knowledge systems. Collaborative practices, work at the science-society and the science-policy interface, values and valuation in ecological economics as well as transformative social innovation and advocacy are guiding themes through the conference.

An academic society naturally has a strong focus on research and education that are core for the transformation to sustainable societies. On the research side, ecological economists nowadays

regularly contribute to research agendas and are requested to design or comment on research funding programmes, they edit very successful academic journals, and they participate in activities at the science-society and the science-policy interface. Regarding education, this year's printed ESEE conference newsletter for the first time includes a special section introducing (mostly) European Master's programmes on ecological economics or degrees including courses on ecological economics. Watch out during the conference breaks, a number of programme coordinators and representatives are available here in Budapest to provide more information on their programmes during the conference.

I do wish the organisers of the 12th ESEE conference in Budapest all the best for a very successful event. The local organising committee made a great effort to organise a scientifically exciting event, and they offer various opportunities to explore practical transitions to sustainability in the city of Budapest during and after the conference. I am quite confident that this will be a stimulating conference with many opportunities for networking. Enjoy the conference in this great venue next to the river Danube!

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EPG NEWS

ON EPG SPECIAL ISSUE FROM THE ESEE 2017 CONFERENCE

Dear ESEE 2017 conference participants,

The journal of Environmental Policy and Governance will produce an issue covering material from the ESEE 2017 conference, 'Ecological Economics in Action: Building a Reflective and Inclusive Community' organised in Budapest, Hungary. In line with the conference theme, the special issue will aim to reflect upon the multiple impacts of ecological economics research and experiences of collaborating with different disciplines and integrating diverse knowledge systems.

We hereby invite you to start preparing your full papers for this special conference issue!

A more detailed Call for Papers with clear guidelines will be circulated to all conference participants shortly after the conference.

In brief, manuscripts should include an abstract of maximum 250 words and be no longer than 8,000 words in length. Standard EPG rules will apply in the submission process. Please see EPG author guidelines at [www.onlinelibrary.wiley.com/journal/10.1002/\(ISSN\)1756-9338](http://www.onlinelibrary.wiley.com/journal/10.1002/(ISSN)1756-9338)

The expected deadline for submissions is **October 23, 2017**

Looking forward to meeting you in Budapest!



HOT TOPIC



Towards a Low Carbon Industrial Strategy

Tim Foxon. SPRU (Science Policy Research Unit), University of Sussex

In January 2017, the UK Government launched a Green Paper (proposals for public consultation) on an industrial strategy for the UK. Though the idea of an industrial strategy is taken for granted by some of our European partners, this is still relatively novel for the UK due to the dominance of free market economic thinking in the political discourse. Actually, though, this is the third attempt in 8 years by successive UK Labour, Coalition and Conservative governments to formulate an industrial strategy incorporating low carbon objectives. This latest version appears to have more traction however, as the new government, led by Prime Minister Theresa May, has proposed a more interventionist approach, even re-naming the business department the 'Department of Business, Energy and Industrial Strategy'. The implementation of the new industrial strategy has been put on hold, following the calling of a snap general election in June 2017, ostensibly to give the UK Government a stronger position in the forthcoming Brexit negotiations. If, as expected, Prime Minister May is re-elected with a larger majority, then it is anticipated that the current proposed industrial strategy will be implemented.

The proposed industrial strategy restates the Government's commitment to its carbon reduction targets under the 2008 Climate Change Act of reducing the UK's carbon emissions

by 80% by 2050, with intermediate carbon budgets currently including a 57% reduction by 2030 (on 1990 levels). However, it also states that two other areas of energy policy need higher priority going forward; ensuring affordability of energy for households and businesses and securing industrial opportunities for the UK from energy innovation. The emphasis on affordability of energy reflects the political salience of this issue, following rises in domestic energy bills in recent years due largely to increases in international gas prices. Indeed, both the Conservative and Labour parties have committed to placing a cap on future domestic energy bills in their election manifestos. This then creates tensions with aims to secure industrial opportunities for the UK, if such a cap limits the ability of private energy firms to invest in developing manufacturing and service capacities for low carbon energy technologies. More broadly, myself and colleagues from the Centre for Innovation and Energy Demand have argued that the strategy represents a missed opportunity to integrate low carbon objectives into wider economic and industrial thinking. The overarching emphasis of the strategy is in terms of improving productivity of the UK economy, understood as labour productivity, rather than resource or energy productivity.

With colleagues from the Centre for Climate Change Economics and Policy, we have proposed six elements relating to the structure, operation and governance of economic systems for a more integrated low carbon industrial strategy:

- 1) **A mission-oriented approach from government:** Building on the ideas of Mariana Mazzucato, low carbon should become a long-term strategic direction for innovation, with the state as an active participant in economic processes that create and shape markets.
- 2) **Promotion of renewable energy and circular economy practices in production:** Renewable energy technologies have a greater potential for delivering industrial benefits than nuclear power or carbon capture and storage options, and more systemic changes to economic systems are needed to promote circular economy practices of re-use and re-manufacturing of products.
- 3) **Demand-side measures, including energy and resource efficiency:** The promotion of energy efficiency and demand reduction measures should be seen as an important way of meeting industrial objectives. These should focus on job creation potential, as well as social and environmental objectives, and require the creation of new mechanisms for investment.



- 4) **Reorienting innovation systems:** A low carbon innovation system should be supported by appropriate institutions and actors, policies that target both technology-push and market-pull innovation, and the provision of financial resources and knowledge through generation and learning.
- 5) **Enabling green finance:** The availability of green finance, including for example public investment banks and new instruments such as green bonds, is an important, and still somewhat understudied resource for a low carbon industrial system.
- 6) **Learning approaches embedded in governance:** A low carbon industrial strategy needs to create institutions that enable learning so that knowledge exchange networks, innovation agencies, and financial institutions can discover the most appropriate pathways to a low carbon future.

Whether the new UK government will maintain a strong commitment to its low carbon objectives and take forward steps to integrate these better into its industrial strategy, in the face of pressures and uncertainties created by the forthcoming negotiations on Brexit, remains to be seen.

STUDENT INTERVIEW



Homo Economicus has failed us

an interview with Rania Papasozomenou.

Tell us about yourself.

I am a PhD student and researcher at the Humboldt University of Berlin, where I also got my M.Sc. in Integrated Natural Resource Management. Through my initial training as an environmental scientist I came to realise that everything we do is grounded upon and limited by natural boundaries. This is something neoclassical economics ignores. I enjoy working with heterodox economics, such as ecological economics, to bring a pragmatic understanding of the relationship between nature and society into my research.

What are you researching?

In my research, I am diagnosing the water sector in a Greek island complex. Based on institutional approaches, I identify the reason for the persistence of the water sector dysfunction, and analyse why it is so difficult to provide sufficient water of good quality. Everything that we humans do, we do for a reason. Not fixing something which is not working has a reason and finding that reason is the first step in rectifying the problem. I identified a discrepancy between how the central and the local governments approach the issue and their ability to influence water provisioning and I recommend interventions that have the potential to bring about positive and durable change. I am also working in a research project that identifies challenges and opportunities for mainstreaming urban rain-water harvesting in three major European cities (Berlin, Barcelona and Stockholm).

If you were in charge of the world economy for one day, tell me one thing what you would do and why?

What is the one thing, the one intervention that would ensure that once enforced, the world and those living on it would be better off? I am not sure I have an answer, I am not a believer in magic solutions or panaceas. Whatever happens should be the result of a democratic, deliberative process and that would require more time. Perhaps my intervention would be ensuring that democratic and deliberative processes are allowed the space and time to take place. I suppose I would also liberate national governments from the influence of global markets, perhaps by erasing national debts.

Tell me one thing that you think many ecological economists don't realise, but should.

Orthodox economics has fallen from grace, it is losing its credibility. This is the chance for heterodox economics to unite, identify what we all have in common, and work towards an alternative to the current paradigm. Such an approach would benefit from the incorporation of human volition and values. Homo-economicus has failed us; we are so much more. We are capable of cooperation, altruism and respect for other human beings and nature, and this other-regarding nature of ours informs our actions on a daily basis. Our new paradigm should be one that accepts and nurtures that.

[Original interview transcript edited for style]
Interviewer: Ellen Stenslie

NEWS

FOR STUDENTS AND EARLY CAREER RESEARCHERS

Call for Papers

› Ecology, Economy and Society inaugural issue

The Ecology, Economy and Society (EES) journal of the Indian Society for Ecological Economics is accepting submissions of papers for the inaugural issue. EES offers authors a forum to address socio-environmental issues from across the natural and social sciences. It intends to promote methodological pluralism and inter-disciplinary research.

Deadline: June 30th, 2017

More information: www.ecoinsee.org

Job Openings

› 7 Research opportunities at University of British Columbia

The Food Systems PRISM Lab (www.prismlab.weebly.com) at the University of British Columbia – Okanagan is seeking high-calibre Undergraduate, Masters, PhD and Postdoctoral researchers who have a strong interest in research and publication in the field of food system sustainability. Students may propose their own research questions, or apply to work in the context of funded research projects (see link below for descriptions of specific funded research projects for which students are currently being recruited).

Contact: Dr. Nathan Pelletier (nathan.pelletier@ubc.ca)

More information: www.prismlab.weebly.com/prospective-students.html

› 3 Post-doctoral positions in Bern

Opening for 3 Post-doctoral research positions, each starting in November 2017, of which 2 positions will be held at the Centre for Development and Environment of the University of Bern (Switzerland) for a period of 36 months each, and one position at the School of Agricultural Policy and Development of the University of Reading (UK) for a period of 42 months. These 3 research positions are part of the ERC Consolidator Grant funded project "Indigenous Communities, Land Use and Tropical Deforestation".

Application deadline: August 18th, 2017

More information: www.ncludeproject.wordpress.com/2017/05/19/3-post-doctoral-research-positions

Remember to join the discussion in the ESEE Facebook group (www.facebook.com/groups/155620377816966/)!

ESEE

ECOLOGICAL ECONOMICS TRAINING INSTITUTES – CALL FOR APPLICATIONS

Deadline: December 1, 2017.

The ESEE board is pleased to open a call for series of transdisciplinary and collaborative training institutes on ecological economics aimed at early career researchers, practitioners and decision-makers in Europe. Events can be focused on any of the diverse range of topics associated with ecological economics, but will share a common participatory approach and structure. Local organisers can (annually) bid for up to 2000 euros for events that meet a number of criteria, as detailed below:

Event Criteria

- › Highly collaborative and participatory; not just a series of lectures and presentations.
- › Transdisciplinary: including participants beyond academia, e.g. decision-makers, practitioners, community representatives, etc.
- › Students are heavily involved in organising the event.
- › Zero or low cost for participation, with some kind of bursary opportunities for those in a low-income situation.
- › A record is kept by the organisers of participant feedback on the event and this is made available to the ESEE.
- › Environmental awareness: a plan to minimise (and potentially compensate) the carbon footprint and other environmental costs.
- › The organisers should be ESEE members

Further Guidelines and Suggestions

In addition to the mandatory criteria, the ESEE suggests the following guidelines for the events. These guidelines will also be used to decide between competing applications if more than one application is made for sponsorship in an annual round.

- › Duration: 2 days for pre-conference events, 3-5 days for other events
- › Number of participants: 20-30 participants; a relatively small group of students helps to build group cohesiveness and identity.
- › A mix of students and post-docs with at least a third post-docs.
- › Provision of opportunities for publication of outputs.
- › Provision of opportunities for ECTL credits associated with courses.
- › Remote locations preferred to maximise engagement.
- › Family friendly with childcare options available.
- › As the decision on competing proposals is taken by the ESEE Board, active ESEE Board members are excluded from submitting applications for the competition. However, they are still free to submit applications, but these will only be considered in the case of no other eligible application(s) being available from applicants outside the ESEE Board for the upcoming year.

Procedure for Applications

Candidates can apply to the ESEE annually for up to 2000 euros towards the cost of an event to be held within the following two years, provided it meets the criteria, but they are responsible for raising the remainder of the funding. Applications must include a short rationale for the event, including a description of the event format (max 2 pages), a budget, an indication of what budget costs the ESEE funds will be spent on, and an overview of other (potential) funding sources.

Applications for 2018 can be made by **1st December 2017**. Please send the application to esee.training@gmail.com.

EUROPEAN M.SC. PROGRAMMES

EDUCATING THE NEXT GENERATION OF ECOLOGICAL ECONOMISTS

Nina Hagemann and Irene Ring

Last year's ESEE 20th Anniversary Bulletin reflected on the successful evolution of ecological economics and its increasing recognition and impact in research and science-policy interfaces. With this special section of the conference newsletter we shift the focus to the next generation of ecological economists and the increasing number of master's programmes that offer either a degree, or specific courses in ecological economics.

The variety of existing programmes allows prospective students to choose between studying ecological economics or socio-ecological economics as a core subject or to enrol in programmes focusing on ecosystem services or sustainability-related studies in which ecological economics is a component. During the latter programmes, students will also come across ecological economics courses, because many members of our ESEE community are involved in developing and coordinating these programmes and will ensure that students are well educated in this field.

The programmes we present here are all international and characterised, as ecological economics itself is, by a high degree of interdisciplinarity and often also transdisciplinarity in education. All programmes are open for students from the natural and social sciences, and to some extent the engineering sciences. The fact that students from different disciplines come together in the

courses provides ground for fruitful interdisciplinary discourse in the classrooms and beyond. Throughout the programmes students are introduced to a variety of theories and concepts from different disciplines, and become familiar with a broad range of qualitative and quantitative methods. Students are also well prepared for their work life as many programmes have practical and applied components, mandatory work placements, and offer mobility semesters abroad.

Our list of programmes is not exhaustive and could be extended also with bachelor's programmes and programmes from outside Europe. However, already this list is impressive in its variety. We invite you to get inspired; as a student to find your programme to conduct further studies, as a teacher to learn about other programmes and find partners for collaboration or simply as an interested person just to share our amazement and see how ecological economics became an integral part of university life across Europe. On Thursday, during the poster session, you can learn even more by visiting our booth on M.Sc. programmes and get in touch with representatives of some of the programmes to exchange experiences and visions. This special section will also be available online for download on the ESEE website's education area under 'Ecological Economics Courses and Programmes'. >>>



M.SC. ECOLOGICAL ECONOMICS

at the University of Leeds, UK

Study content: The M.Sc. Ecological Economics programme combines modules that help you build strong conceptual foundations in ecological economics and sustainability, with specialist modules in environmental and heterodox economics. You will study topics ranging from the value of ecosystem services to managing an economy without growth, and learn analytical tools such as input-output analysis and dynamic system modelling. As part of the programme, you must complete 5 compulsory modules, 3 optional modules (chosen from a long list of options), and a research dissertation. You can potentially carry out your dissertation with a partner organisation. This collaborative arrangement is designed to help you to deliver research that generates a real-world impact, while at the same time creating high employment prospects. The programme is based in the School of Earth and Environment, with some of the modules being taught by the Leeds University Business School.

Objective: Many of the most serious environmental and social problems that we face can be traced to root causes in our economic system. On this programme, you'll develop an understanding of how economic activity gives rise to environmental and social problems, and be introduced to the main tools to tackle them. You'll join one of the largest and most renowned centres of ecological economics research in the world on a course that challenges conventional thinking and introduces a real-world approach to teaching economics.

Degree / ECTS: M.Sc. / 90

Language: English.

Duration: Full time (12 months) or part time (24 months).

Deadline: Recommended end of May for September start. Accepted up until end of August.

Requirements: A bachelor's degree with a 2:1 (hons) in social sciences, natural sciences, environmental studies, economics, management, engineering, or a related subject. English language requirements: IELTS 6.5 overall, with no less than 6.0 in any component.

ESEE contact persons

Dr. Dan O'Neill (Programme Manager)

d.oneill@leeds.ac.uk

Dr. Milena Büchs

(Contact person at the ESEE conference)

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M.SC. ECOLOGICAL ECONOMICS

at the University of Edinburgh, UK

Study content: The M.Sc. in Ecological Economics is heavily focused on interdisciplinary problem solving related to sustainability, and seeks to train students in the ideas, concepts, methods, and practice required to contribute to this area work. The M.Sc. has two main components: a taught component and a research component. The compulsory courses are: Foundations in Ecological Economics, Environmental Valuation, Applications in Ecological Economics, and Ecological Economics Field Methods in Research and Practice. Of these, Foundations in Ecological Economics is focused on the concepts and theory that underpin the field. The other courses are applied courses in which students get to use, and critique, a wide range of relevant methodologies. The field course general involves travel overseas (e.g. to South Africa). The optional courses are selected from those on offer within the School of Geosciences.

Objective: The programme aims to i) provide rigorous academic training that also enhances prospects for employment in the field of sustainability and conservation, ii) outline economics from first principles, iii) identify the biophysical and socio-cultural limits to growth in the production and consumption that arises from economic activity, iv) describe theoretical principles of ecological economics associated with these limits, v) teach tools that allow these principles to be applied to multi-dimensional environmental problems, vi) appreciate the systematic interaction between ecology, social systems and economics, which is vital in finding solutions to these problems, vii) examine and criticise how environmental and social policy is formulated and implemented, in developed and developing world economies, in light of this systematic interaction, viii) encourage and provoke discussion and debate about environmental controversies and ix) develop and enhance skills in specialist topics linked to the student's own interest.

Degree / ECTS: M.Sc. / 180

Language: English.

Duration: Full time (12 months) or part time (24 or 36 months).

Deadline: Rolling. Students in need of visa are advised to apply early.

Requirements: A UK 2:1 honours degree, or its international equivalent (we may also consider a UK 2:2 honours degree, or its international equivalent, with appropriate work experience). International qualifications and English language requirements (for further information check our website).

ESEE contact person

Corinne Baulcomb (Programme Director)

Corinne.Baulcomb@sruc.ac.uk



M.SC. ECOSYSTEM SERVICES

at the University of Edinburgh, UK

M.SC. SOCIO-ECOLOGICAL ECONOMICS AND POLICY

at Vienna University of Economics and Business, Austria

Study content: Studying how ecosystems benefit humanity and how we use and manage them, this programme assesses the trade-offs involved in our use of the environment. This is a rapidly developing area, involving both natural and social sciences, and an increasingly common approach to environmental policy-making and management in government agencies and businesses. This M.Sc. aims to enhance comprehension of the ecosystem processes that support us and other life forms. It also provides an intellectual basis for evaluating the contribution of ecosystems to human well-being, using tools from economics and other disciplines. Compulsory courses are Ecosystem Services 1: Dynamics & Functions; Analysing the Environment; Ecosystem Services 2: Values & Management and a week-long study tour, which aims to develop skills in qualitative and quantitative data analysis and provides an opportunity to build up group work skills. Students take a variety of optional courses in such fields as ecology, resource management, economics, GIS and environmental sustainability and also complete a research project on a topic of their choice.

Objective: This M.Sc. programme provides the skills to develop an understanding of ecosystem function and how this supports human well-being. Specific objectives include: I) Understanding key ecological principles, processes, functionality and dynamics of ecosystems across a range of different biomes and scales; II) Appreciation of the diverse services that ecosystems provide to society, e.g. food, coastal protection, carbon capture, water security, through to aesthetic or cultural services; III) Ability to measure and communicate ES values through a range of qualitative/ quantitative research methods; IV) Ability to undertake interdisciplinary research, both independently and as part of a team; V) Related courses to support the development of students' own learning.

Degree / ECTS: M.Sc. / 180

Language: English.

Duration: Full time (12 months) or part time (24 or 36 months).

Deadline: One month prior to start date (11 September 2017).

Requirements: A UK 2:1 honours degree, or its international equivalent, in a relevant subject in the natural or social sciences or in another relevant subject. International qualifications and English language requirements (for further information check our website).

ESEE contact person

Dr. Janet Fisher (Programme Director)
janet.fisher@ed.ac.uk



Study content: Rapid environmental change, population dynamics, poverty, and exclusion are interrelated processes that challenge human development. To tackle these complex issues, traditional disciplinary approaches to analysis and policy formulation are not sufficient. Instead, integrated and interdisciplinary approaches to studying the working of the human-environment system are needed. The Master's in Socio-Ecological Economics and Policy presents integrated approaches to development and human well-being that go beyond the usual polarization between socioeconomic development and environmental goals. The programme offers training in socioeconomic analysis and focuses on the interfaces between environmental, economic and social challenges. This interdisciplinary and internationally oriented approach is based on three major pillars: theory, methodology, and application. The theory courses include concepts from a variety of disciplines, chosen for their relevance to global challenges. The methodological courses offer an integrated introduction to qualitative and quantitative methods and thus illustrate how they are best combined in empirical analyses. Relevance for policy making and organizational practice is emphasized throughout the programme.

Objective: The Master's in Socio-Ecological Economics and Policy (SEEP) equips participants with the necessary theoretical background and factual information about the interconnected dynamics of economic and social systems and the physical environment. The programme also enables participants to use appropriate analytical tools to engage in decision processes and longer-term policy on multiple spatial levels.

Degree / ECTS: M.Sc. / 120

Language: English.

Duration: 4 semesters, start in Winter semester only.

Deadline: Rolling admission with three consecutive deadlines: 8 October, 8 January, 8 March.

Requirements: Bachelor's degree or other equivalent degree programme in Economics OR social sciences OR mathematics / statistics / quantitative methods. Proof of sufficient proficiency in English. Proof of aptitude tested in an interview.

ESEE contact person

Prof. Dr. Sigrid Stagl (Programme Director)
sigrid.stagl@wu.ac.at



M.SC. ECOSYSTEM SERVICES

at the Technische Universität Dresden/
International Institute (IHI) Zittau, Germany

Study content: Ecosystem services (ESS) as the direct and indirect contributions of ecosystems for human well-being are gaining increasing attention in science, policy and society. Identifying, mapping and assessing ecosystem services as well as capturing their values in public and private decision-making are important objectives of national, European and international biodiversity and sustainability strategies. The M.Sc. programme Ecosystem Services is devoted to understanding the causes of biodiversity loss and ecosystem degradation as well as analysing their impacts on ecosystem functioning and human well-being in an interdisciplinary manner. Compulsory courses include the basics of ecosystem services, biodiversity and ecosystem governance as well as ecological economics. Courses in ecology, such as applied and special ecology, complement the subjects taught in the first two semesters. In the second half of their studies students can choose among a variety of optional courses to deepen their knowledge in fields such as natural resource management, environmental and spatial planning, taxonomy and biodiversity collection management or acquire methodological skills in ecosystem services case studies, empirical methods in social sciences or ecological modelling.

Objective: The international Master's programme Ecosystem Services provides students with the knowledge base and methods to analyse pressing environmental problems and to develop societally relevant solutions. A special focus lies on inter- and transdisciplinary approaches from the natural and the social sciences in order to conserve and sustainably use biodiversity and to secure the sustainable provision of ecosystem services for present and future generations. Graduates of the programme are expected to work in various fields such as research and education, public administration, economic and policy consultancy, international organisations, non-governmental organisations or scientific management and coordination.

Degree / ECTS: M.Sc. / 120

Language: English.

Duration: 4 semesters, start in Winter semester only.

Deadline: For non-EU citizens: 1 April - 15 July 2017.
For EU citizens: 1 June - 15 September 2017.

Requirements: Degree in life or environmental sciences, economics, social sciences, geography, agricultural sciences or related fields. English language requirements (level B2 of the CEFR, shown by a certificate such as IELTS or TOEFL).

ESEE contact person

Prof. Dr. Irene Ring (Course Director)
irene.ring@tu-dresden.de



M.SC. SUSTAINABLE DEVELOPMENT

at Utrecht University, The Netherlands; University of Graz,
Austria; Ca' Foscari University of Venice, Italy
and Leipzig University, Germany

Study content: The programme consists of two general modules and of specialisation tracks in natural or social science during a mandatory mobility semester. In the general part the challenges of sustainable development are examined and discussed from both the natural sciences and the social sciences perspective. Students are required to work on the confrontation and integration of knowledge and insights in research team. Each specialisation track pays attention to the theoretical background, appropriate research methodology, and intervention methods of a specialised field within the framework of sustainable development. Specialisation tracks include: Energy and Materials; Environmental Change and Ecosystems; Earth System Governance (Utrecht University)/ Sustainable Business Management; Climate and Environmental Change (University of Graz)/ Global Environmental Change (Ca' Foscari University of Venice)/ Environmental Technology Management; Resources Management (Leipzig University)/ The Social Dimension of Sustainability (University of Basel). Sustainable Development Science and Technology (Hiroshima University). Further modules for additional mobility are being offered by Stellenbosch University and TERI University.

Objective: The Programme intends to produce graduates who wish to work towards an environmentally accountable society. At its core is the analysis of the changes needed to achieve such a society (research methodology) and the question of how these changes can be steered locally and globally in both the short and the long term. Graduates may pursue further studies or hold positions of responsibility in projects and facilities management. Employment options include environmental entrepreneurship, environment, health and safety, innovation management, international organisations, scientific research, training and (continuing) education.

Degree / ECTS: M.Sc. / 120

Language: English.

Duration: 4 semesters, start in Winter semester only.

Deadline: 1 February - 31 March 2018.

Requirements: Bachelor or Diploma degree in natural or social sciences, demonstration of research skills and proof of proficiency in English shown by a certificate such as IELTS, TOEFL or Cambridge EFL

ESEE contact person

Prof. Dr. Bernd Klauer
(Leipzig University/UFZ)
bernd.klauer@ufz.de



**M.SC. SUSTAINABLE DEVELOPMENT,
MANAGEMENT, AND POLICY**
at MODUL University Vienna, Austria

M.SC. MANAGEMENT OF PROTECTED AREAS
at Alpen-Adria-Universität Klagenfurt, Austria,
in cooperation with E.C.O. Institute of Ecology

Study content: The Master of Science (M.Sc.) in Sustainable Development, Management, and Policy (SDMP) graduate programme focuses on sustainable development policy, life sciences and skills seminars. The program's multidisciplinary curriculum is composed of six unique modules, providing students with a comprehensive framework in research methods, management, and field-specific content in economics, governance, social psychology, environmental sciences, and geography. Students can also further enhance their programme by specializing in one of the following areas: Tourism and Services Management, Business Development, Advanced Management, Real Estate Management and Hotel Development and Innovation and Design for Tourism. An internship option is also available.

Objective: This two-year full-time graduate programme challenges students to consider a wide spectrum of sustainability issues, with special attention given to their complex interrelationships. Students learn skills needed to design and implement sustainable development strategies on the household, business, city, regional, and national levels. Focus is placed on students' understanding of the effective implementation of sustainability strategies and its fundamental societal, economic, and environmental need. Further goals include developing student's ability to anticipate environmental, ecological, economical, and social trends through one-of-a-kind coursework. This practice-driven programme prepares graduates for positions in a variety of public, non-profit, and private organizations.

Study content: Protected areas are embedded in the societal context, are essential for biodiversity conservation and crucial in maintaining stable ecological processes. Planning and operating these areas involves many different legal, administrative and technical aspects and over the past years the global demand for highly skilled experts has been constantly growing. The M.Sc. programme "Management of Protected Areas" (MPA) offers a profound interdisciplinary education and provides an excellent and comprehensive understanding of the aims and roles of protected areas in relation to the conservation of biodiversity and (integrated) regional development. Based on a theoretical scientific background, students will acquire specific in-depth knowledge on applying the full range of tools available for the planning and management of protected areas. Compulsory courses include the design of ecosystem based management plans, the development of regional economic programmes, legal aspects, impact assessment, financing and business planning, organizational development, as well as data and information management. Special emphasis is laid on the practical application of the acquired theoretical knowledge, in particular by analyzing a magnitude of real-life case studies and supervised applied research projects concerning the topic.

Objective: The M.Sc. programme "Management of Protected Areas" provides a variety of tools to work on numerous challenges in the context of managing protected areas. A main objective is to promote biodiversity conservation and regional sustainable development by educating and training individuals, enabled to adaptively manage protected areas in a long-term perspective. Graduates will be able to analyze and solve various problems encountered when establishing, planning or managing protected areas. Furthermore, they will be empowered to conduct inter- and transdisciplinary dialogues with all stakeholders and to develop and implement appropriate integrated solutions.

Degree / ECTS: M.Sc. / 120

Language: English.

Duration: 4 semesters, start in Fall and Spring.

Deadline: Study start Spring- EU citizens: 31 January, non-EU citizens: 31 October.

Study start Fall- EU citizens: 31 August, non-EU citizens: 31 May.

Requirements: Minimum of three year university degree or equivalent in a field preferably related to natural or social sciences
English proficiency shown by a certificate such as TOEFL, IELTS or Cambridge Certificate.

ESEE contact person

Prof. Dr. Astrid Dickinger
(Programme Director)
astrid.dickinger@modul.ac.at



Degree / ECTS: M.Sc. / 90

Language: English.

Duration: 4 semesters (structured in eight modules, with a presence of 55 days within a period of two years).

Deadline: 30 June 2017.

Requirements: Minimum requirements for all applicants are sufficient English working skills as well as a university degree (or equivalent qualification). The selection procedure also includes a personal interview with the programme manager.

ESEE contact person

Dr. Michael Jungmeier
(Programme Director)
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M.SC. GLOBAL CHANGE ECOLOGY

at University of Bayreuth, University of Augsburg,
and University of Würzburg, Germany

Study content: The Global Change Ecology (M.Sc.) programme, established in 2006 as part of the Elite Network of Bavaria, is devoted to understanding and analyzing the most consequential environmental concerns of the 21st century; namely, Global Change. Problems of an entirely new and interdisciplinary nature require the establishment of innovative approaches in research and education. A special focus in the programme is the link of natural science perspectives on global change such as land use change and climate change with approaches in social sciences. The University of Bayreuth provides an excellent profile and background in "Ecology and Environmental Science" as determined by the expert commission "Science in Bavaria 2020". Course modules comprise lectures, seminars and exercises as well as field courses on environmental change, ecological change and societal change. Method courses such as modelling, statistics, use of remotely sensed data, life cycle assessment of products, geographic information systems, international environmental law and impact assessment on land use and ecosystem services and the unique opportunity to credit internships and science schools as a part of the programme round up the study programme.

Objective: The elite study programme combines expertise of universities with that of research institutions, and economic, administrative and international organisations. The programme is unique in Germany with respect to programme content and international efforts. The goal is the training of highly qualified leaders for research and problem solving in global change science, environmental protection, and political or economic decision making.

Degree / ECTS: M.Sc. / 120

Language: English.

Duration: 4 semesters (starts in Winter semester only).

Deadline: 15 June every year.

Requirements: An excellent Bachelor's degree in biology, geography, geocology, environmental science, international economics & development, philosophy & economics, physics, law or equivalent graduation. The successful passing of an aptitude assessment test, a pre-selection by means of the application documents and, in case of a positive result, a colloquy (all in English).

ESEE contact persons

Prof. Carl Beierkuhnlein,
Prof. Thomas Koellner
(both University of Bayreuth)
gce@uni-bayreuth.de



M.SC. INTERDISCIPLINARY STUDIES IN ENVIRONMENTAL, ECONOMIC AND SOCIAL SUSTAINABILITY

at Universitat Autònoma de Barcelona, Spain

Study content: The Master's degree in Interdisciplinary Studies in Environmental, Economic and Social Sustainability has 4 specialisations: Related to the protection of the environment against the potentially harmful effects of human activity and to the improvement of environmental quality in order to achieve greater well-being; Related to sustainable development of systems, optimising and minimising resource use and waste production; Related to impacts of global change and particularly to climate change, and their mitigation; Related to social, economic, biophysical, cultural and ethical issues that intervene in the management of human economies and their interactions with the natural world.

Objective: Once the students complete the Master's degree in Interdisciplinary Studies in Environmental, Economic and Social Sustainability they will be qualified to work in private companies, research centres, institutions and NGOs as a specialist in the analysis and interpretation of environmental processes and problems, and also in integrating the relations between environmental phenomena and economic, social and cultural factors. Depending on your specialisation, professional career options include posts in public administration, environmental consultancies, production or engineering industries.

Degree / ECTS: M.Sc. / 60

Language: English 78%, Spanish 28%.

Duration: 1 academic year (2 semesters).

Deadline: 13 January - 8 October 2017.

Requirements: Official bachelor's degree in the subject areas of natural or environmental sciences, geography, economics or chemical, environmental, civil or agricultural engineering. Students must certify a command of English language at a level equivalent to the First Certificate.

ESEE contact person

Dr. Carme Miralles-Guasch
(Programme Coordinator)
Carme.Miralles@uab.cat



M.SC. INTERNATIONAL ENVIRONMENTAL STUDIES

at the Norwegian University of Life Sciences, Norway

M.SC. LAND MANAGEMENT AND COMMUNITY DEVELOPMENT/ GESTION DES TERRITOIRES ET DÉVELOPPEMENT LOCAL

at University Paris Saclay (Guyancourt and Paris), France

Study content: This programme provides a solid grounding in sustainable development issues, concepts, theories and approaches. Students are equipped with analytical and practical skills needed to engage critically with environment issues and debates regarding solutions to increasing challenges in the field of the environment. They learn to engage with such issues from an interdisciplinary perspective, and to work across broad areas of policy, research and practices related to sustainable development. The programme consists of core courses, a broad variety of electives and a 30 ECTS master thesis. The core courses present fundamental concepts and analytical tools in environmental studies, sustainability science as well as scientific methods. The electives include course on e.g. environmental governance, agroecology, climate change and development, political ecology, management of land and marine resources, resilience and social-ecological systems theory. The master thesis as well as the electives allow the students to specialize and tailor their course plan accordingly. The role of international political bodies, national states, markets and civil society are emphasized. Poverty alleviation, health, and human well-being are core aspects of sustainable development that are extensively covered.

Objective: The programme aims at offering students extensive knowledge regarding the characteristics of environmental challenges and their drivers; in-depth understanding of key concepts and frameworks for studying sustainability problems; comprehensive insights regarding complexity of interrelated social and ecological processes. It supports the advancement of skills including the capacity to analyse environmental problems and governance issues in an interdisciplinary way; learn about and critically assess policies and academic advancements within the field; be capable of creating and evaluating solutions to environmental problems; competence in planning and carrying out field research; use various methods in the study of socio-environmental issues; develop writing skills.

Degree / ECTS: M.Sc. / 120

Language: English.

Duration: 2 years (starts mid-August and ends mid-May).

Deadline: International applicants: 1 December, Norwegian applicants: 1 June.

Requirements: Bachelor degree or equivalent education in fields relevant to natural and social aspects of environmental studies (e.g., ecology, agriculture, wildlife management, economics, development studies, political science, sociology, geography, social anthropology).

ESEE contact person

Prof. Dr. Arild Vatn
(Programme Director)
arild.vatn@nmbu.no



Study content: The objective of the Master's in "Land Management and Community Development" is to train students to analyse and anticipate, sensitize, mobilize the stakeholders around adaptive and innovative collective strategies at local level. The aim is to provide them with frameworks for evaluating relevant actions and to allow them to think about the modes of building agreements, regulations and policies by integrating the conditions of transition. In fields as diverse as agriculture and food, energy, mobility, urban planning, biodiversity and the environment, they will be led to construct and carry out innovative actions and experiments aiming at building sustainability and resilience of the territories.

Objective: Graduates will be specialists, with a multidisciplinary and interdisciplinary training, capable of analysing territorial, environmental and local development issues in their different components (understanding of physical phenomena, analysis of economic impacts, social, territorial, legal and political). They will be trained in the various methods of analysis (institutional, discursive, quantitative, analytical, etc.), evaluation tools and communication adapted to the professional world they are intended for. Three main courses are proposed in semester 3 and 4: Economic Analysis and Risk Governance (AEGR), Governance of the transition, Ecology and Society and, Dynamics in emergent and developing countries.

Degree / ECTS: M.Sc. / 120

Language: French.

Duration: 4 semesters (start in Winter only).

Deadline: Winter term 2017/18: For EU and non-EU citizens: 1 February - 15 July 2017.

Requirements: Degree in life or economics, politics sciences, social sciences, environmental sciences, geography, agricultural sciences or related fields. French skills, at least equal to level B2 of the CEFRL.

ESEE contact person

Dr. Jean-Marc Douguet
(University Paris Saclay
& Université Versailles
Saint-Quentin-en-Yvelines)
jean-marc.douguet@uvsq.fr



INTEGRATED M.SC. IN ENVIRONMENTAL ENGINEERING/ M.SC. ENVIRONMENTAL ENGINEERING

at Universidade NOVA de Lisboa, Portugal

Study content: The structure of the MIEA is based on a first cycle (180 ECTS) with a solid component in subjects such as mathematics, chemistry, physics, computer science, as well as a support block for environmental engineering which includes the teaching of basic and applied ecology, pollution, geographical information systems, soils, hydraulics, environmental economics, and spatial planning. This basic structure is complemented in the last two years with two profiles: Environmental Systems Engineering and Sanitary Engineering (120 ECTS each). The Environmental Systems Engineering Master's profile is focused on environmental management, ecological economics, environmental auditing, information systems and environmental modelling. The Sanitary Engineering Master's profile emphasizes the management and treatment of water, wastewater and waste as well as water resources management. Masters' curricular organization is based on credit units (ECTS) giving students the opportunity to participate in mobility programs. The Master's in Environmental Engineering is organized as an integrated course of five years, corresponding to 300 ECTS, but can be attended by students with a Bachelor in Sciences or Engineering which are enrolled in one of the two profiles (120 ECTS).

Objective: The Integrated Master's in Environmental Engineering is a course integrating a set of subjects from different scientific areas, seeking to promote a comprehensive and horizontal view of environmental issues. The interdisciplinary nature of the courses allows a broad perspective and expertise to understand and seek for solutions to environmental problems in their multiple dimensions (ecological, economic, social and technological). Despite the multidisciplinary essence of environmental engineering, education and professional practice in this area include a strong component of project design, providing the graduates with skills to design solutions, develop research and professional practice with the environment as focal point.

Degree / ECTS: M.Sc. / 300 (5 years) / 120 (2 years)

Language: Portuguese and English.

Duration: Integrated Master in Environmental Engineering: 5 years. Master in Environmental Engineering: 2 years.

Deadline: 1st phase: 6 March - 23 June. 2nd phase: 26 August - 31 August.

Requirements: For the Environmental Engineering Master the applicants must have a bachelor degree in sciences or engineering.

ESEE contact person

Dr. Nuno Videira
nmvc@fct.unl.pt



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ESEE

Country Contact Network

The ESEE is proud to announce its updated Country Contact Network to facilitate the transfer of information between the membership and the Board of ESEE. Country Contacts have been re-confirmed or nominated by the Board of ESEE in the following countries:

Albania: Romania Koto - rominakoto@yahoo.it

Austria: Christian Kerschner - christian.kerschner@gmail.com

Belgium: Tom Bauler - tbauler@ulb.ac.be

Belarus: Maria Falaleeva - faloleeva_mariya@mail.ru

Bulgaria: Filka Sekulova - fisekulova@gmail.com

Croatia: Igor Matutinovic - igor.matutinovic@gfk.hr

Czech Republic: Eva Cudlinova - evacu@centrum.cz

Denmark: Inge Røpke - ir@plan.aau.dk

Finland: Nina Honkela - nina.honkela@helsinki.fi

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Ukraine: Mariana Dushna-Melnykovich - mariana.melnykovich@ukr.net

United Kingdom: Marco Sakai - ee08masd@leeds.ac.uk

The Country Contacts will:

- › Provide the first port of call to present and prospective ESEE members in their countries;
- › Promote ESEE membership in their country;
- › Provide and channel news, announcements and other information to ESEE Newsletter;
- › Represent the membership in a country towards the Board.

The ESEE will:

- › Facilitate and foster collaboration among the members through the Country Contacts;
- › Seek consultation and advice of country contacts and membership in their countries in matters where geographic representation is important, such as preparation for elections;
- › Use the Country Contact network for fact-finding and dissemination;
- › Support national activities and events of members in different countries on the basis of requests from national contacts by adopting, marketing and publicising them.

The board of ESEE is happy to consider proposals regarding the appointment of Country Contacts for additional countries.

Please contact: **Erik Gómez-Baggethun** - erik.gomez@nmbu.no.

BECOME A MEMBER

of ISEE/ESEE

Are you interested in...

- › Linking economy, society and environment
- › Green economy, steady state economics, and degrowth
- › Environmental policy and governance
- › Environmental justice
- › The food, water, energy nexus
- › Climate science and politics
- › Biodiversity and ecosystem services
- › Inter- and transdisciplinary collaboration
- › ...and other critical topics in ecological economics?

The International Society for Ecological Economics (ISEE) is a not-for-profit, member-governed organization dedicated to advancing understanding of the relationships among ecological, social, and economic systems for the mutual well-being of nature and people.

ISEE offers its members a number of benefits, including:

- › An opportunity to network with people around the world who share an interest in discovering just how human societies are transforming and being transformed by their environment
- › Membership in Regional Society where available
- › Biennial conferences open to all members at discounted rates
- › Membership fees progressively scaled according to income (from only \$15/year)
- › Website that offers information of value to the membership as a network of researchers and leaders in the field
- › Searchable database of members
- › Weekly news
- › Information on job openings in the field
- › Information on research funding opportunities
- › Dissemination of ecological economic tools
- › Subscription in paper format and/or electronic version of the ISEE journal Ecological Economics at a substantially reduced rate
- › Discounts on other journals and books The European Society for Ecological Economics (ESEE) is the European branch of ISEE providing a network for ecological economics in Europe. Sign up as a member of ISEE and you can join ESEE at no additional cost.

Being an ESEE member brings a lot of advantages:

- › Reduced registration fees at ISEE/ESEE sponsored events, including biennial ISEE and ESEE conference
- › ESEE quarterly newsletters

- › Subscription to the electronic version of the ESEE journal Environmental Policy and Governance at a substantially reduced rate
- › Free online access to the journal Environmental Values
- › 30% discount on Wiley and Blackwell Publishing Limited books
- › Special discounts on other selected books
- › ISEE and ESEE web sites and social networks offering useful information to members, such as a membership database, job openings in the field and research funding opportunities
- › The opportunity to network with researchers in ecological economics across Europe and around the world and to support the advancement of ecological economics in many ways, such as activities for Horizon 2020

To join ISEE and ESEE or renew go to
www.euroecolecon.org/membership/

Special offer for students:

As a student (incl. PhD) you have two membership options:

1. **Active student members:** You are an ordinary paying member of ISEE and ESEE with full membership rights in both organisations. You will still be registered as a student in our files (as long as you tick the box concerning this information when registering). This membership status implies that you are also granted the special right to vote for student members of the ESEE board, stand as a candidate for student member representation on the ESEE Board and are allowed to pay student rates at our conferences.
- To join ISEE and ESEE as an active student member, go to
www.euroecolecon.org/membership/
2. **Student members:** You are a member of ESEE only, but obtain this status for free. You have the same rights as paying ESEE members, except that you do not have any voting rights. You will, however, receive the same benefits as paying members of ESEE like reduced conference fees, newsletter, access to publications with reduced prices, etc. However, as a member of ESEE only, you will not acquire any of the ISEE-specific benefits.

To join ESEE only as a free student member, go to
www.euroecolecon.org/student-membership/



European Society
for Ecological Economics

June 2017