

WEDNESDAY 19 JUNE, 11:00-12:30

Learning and experiencing ecological economics - new pedagogical aspects in higher education courses

11:00-12:30 Wednesday, 19th June, 2019

M2, Quantum, 2nd floor

Track SS1

SS1.1

Teaching 'Degrowth in Ecological Economics' with a Twist

Alexandra Köves¹, Gabriella Kiss¹

SS1.2

What a difference a course makes: teaching and learning ecological economics in an engineering school

Paula Antunes¹, Rui Santos¹, Nuno Videira¹

SS1.3

Learning ecological economics via a multi-actor knowledge co-creation process

Eszter Kelemen¹, Janka Horváth¹, Eszter Godányi², Gellért Himmer², Bence Lukács², Fanny Nagy², Ágota Rákos², Flóra Széles², Ingrid Tóth²

SS1.4

Experiential learning on sustainability issues – embedded in a business school

Gabriella Kiss¹, Tamás Veress¹

SS1.5

Learning and experiencing ecological economics through virtue and character development

Amparo Merino¹, Estela Díaz¹

Advances in understanding the physical structures of economies: Materials, energy, and the services they provide

11:00-12:30 Wednesday, 19th June, 2019

XVI, Quantum, 1st floor

Track SS2

SS2.1

The AF Filières project: application of PSUT frameworks for regional analyses of agriculture and forestry supply chains and footprints in France

Jean-Yves Courtonne¹, Julien Alapetite¹, Michela Bevione¹, Vincent Wawrzyniak², Sylvain Caurila³

SS2.2

Meeting 2030 primary energy and economic growth goals: Mission impossible? Application of physical supply-use table methods to energy conversion chain analysis for Ghana and the UK

Matthew Heun¹, Paul Brockway²

SS2.3

The energy effects of Brexit: Application of hybrid supply-use table methods to understand one of the largest economic shocks of our time

Matteo Vincenzo Rocco¹, Guevara Zeus², Matthew Kuperus Heun³

SS2.4

Creating multi-regional PSUT accounts for the analysis of global biomass, metal, and energy flows

Stefan Giljum¹, Martin Bruckner¹, Hanspeter Wieland¹

SS2.5

EcoDyco: An macroeconomic software for a finite world

Christophe Goupil¹, Eric Herbert¹, Yves d'Angelo², Simon Chazel¹, Gaël Giraud³

Islands as Places of Innovation and Deep Learning

11:00-12:30 Wednesday, 19th June, 2019

Seminar room 251, Natura, 2nd floor

Track SS3

Note: Also Dimitrios Zikos will present in this session (OT7.5)

SS3.1

Deep Learning by Doing on Islands: Limits and Opportunities

Ourania Papasozomenou

SS3.2

The small-scale fisheries of Finnish Archipelago, sustainabilities and deep learning

Kirsi Sonck-Rautio

SAFEGUARDING BIODIVERSITY, CLIMATE, AND ECOSYSTEM SERVICES, 1.1

Nature, health and well-being

11:00-12:30 Wednesday, 19th June, 2019

XX, Agora, 1st floor

Track OT1

Chair: M. Azahara Mesa-Jurado

OT1.1

Bird species richness increases life satisfaction across Europe

Joel Methorst^{2,1}, Katrin Rehdanz³, Thomas Müller^{4,1}, Bernd Hansjürgens⁵, Aletta Bonn^{2,5}, Katrin Böhning-Gaese^{4,1}

OT1.3

Air Pollution, Health and Income: Empirical Evidence from Developing Economies

Heli Arminen

OT1.4

How to assess the healing power of nature? – Impact evaluation process in a Hungarian school garden

Janka Horváth¹, Eszter Kelemen¹, Bálint Balázs¹, Flóra Széles², Bence Lukács², Ágota Rákos², Gellért Himmer²

OT1.5

Local perceptions of impacts on ecosystem services of monoculture crops expansion across Latin America

M. Azahara Mesa-Jurado¹, Erin C. Pischke², Diana Cordoba³, Theresa Selfa⁴, Jesse Abrams⁵

OT1.6

Knowledge, Artefacts and History- A conceptual framework of joint production and historical legacy of ecosystem services through the lenses of the capability approach

Julia Grosinger¹, Matthew D. Potts², Nicolas Buclet³, Sandra Lavorel⁴

DEVELOPING SUSTAINABLE FUTURES, 3.1 Agro-ecology, forestry and fisheries

11:00-12:30 Wednesday, 19th June, 2019

XVII, Quantum, 2nd floor

Track OT2

Chair: Christian Kimmich

OT2.1

The role of soil biodiversity for sustainable agriculture - development paths towards 2050

Tania Runge¹, Stefan Schrader², Martin Banse¹

OT2.2

Assessing uncertainty propagation in Integrated Modeling Frameworks for the Bio-Economy – Concepts, Methods and Applications

Mathias Kirchner^{2,1}, Hermine Mitter¹, Uwe A. Schneider³, Clemens Liehr⁴, Katharina Falkner¹, Mark Sommer², Erwin Schmid¹

OT2.3

Participatory modelling affects behaviour: Empirical evidence from a field experiment on the water–energy–food nexus in Cambodia

Christian Kimmich¹, Louise Gallagher², Birgit Kopainsky³, Mark Dubois⁴, Chansopheaktra Sovann⁵, Chanmenta Buth⁶, Christian Bréthaut²

OT2.4

Evolution of cod quota market networks in Iceland

Maartje Oostdijk¹, Maria J. Santos², Sveinn Agnarsson³, Pamela J. Woods⁴

OT2.5

How to Change Ways of Acting in Agriculture? A Case Study of a Trans-actional Process and the Mediating Artifact 'Quality'

Catherine Milou^{1,2}, Jean-Pierre Del Corso^{3,1}, Charilaos Képhaliacos^{3,1}

OT2.6

Measuring Irish agricultural efficiency with undesirable outputs: A Malmquist-Luenberger Index Approach using Farm Level Data

Alexander Kaiser¹, Axel Schaffer¹, Michele McCormack²

DEVELOPING SUSTAINABLE FUTURES, 3.5 Planning for urban resilience

11:00-12:30 Wednesday, 19th June, 2019

XVIII, Quantum, 3rd floor

Track OT3

Chair: *Tiia-Lotta Pekkanen*

OT3.1

Externalities and Human Well-Being: An Environmental and Social Dilemma to be solved

Olga Kudryavtseva¹, Olga Malikova¹

OT3.2

Out of sight – out of regulation? - Theoretical foundations for ensuring sustainable underground governance in the UK

Kevin Grecksch

OT3.3

Co-creating transdisciplinary global change research in Finland: an empirical study of a process of co-creation

Kaisa Matschoss^{1,2}, Maria Pietilä³, Mikko Rask¹

OT3.4

Nationalism and responsible consumption: a critical discourse analysis of producer campaigns

Tiia-Lotta Pekkanen¹, Visa Penttilä²

FORMULATING TRANSFORMATIVE POLICIES, 4.1 Innovative economic instruments

11:00-12:30 Wednesday, 19th June, 2019

Seminar room 215, Natura, 2nd floor

Track OT4

Chair: Juha Kotilainen

OT4.1

The Status of Climate Policy Integration in EU Energy Policy

Claudia Kettner¹, Daniela Kletzan-Slamanig¹

OT4.2

Climate Justice in Cap-and-Trade Design - Insights from Theory and Worldwide Experiences

Sven Rudolph¹, Achim Lerch², Takeshi Kawakatsu³, Elena Aydos⁴

OT4.3

Economic insights in ecological compensations: Market analysis with an empirical application to the Finnish economy

Johanna Kangas¹, Markku Ollikainen¹

OT4.4

Motivations and practices of facilitating and degrading actors in the designing of an ecological compensation mechanism

Juha Kotilainen^{2,1}, Liisa Varumo², Eeva Primmer²

THE ECONOMICS OF SUSTAINABILITY TRANSFORMATIONS, 6.1 Ecological macroeconomic models A

11:00-12:30 Wednesday, 19th June, 2019

QU314, Quantum, 3rd floor

Track OT5

Chair: Eric Kemp-Benedict

OT5.1

SUPER DoNUT: Sustainability on the periphery – distilling numbers for tomorrow

Branko Ančić¹, Mladen Domazet², Andro Rilović^{2,3}

OT5.2

Economy-wide rebounds: What they are and how to explain them

Steffen Lange¹, Tilman Santarius², Joelle Saey-Volckrick ¹

OT5.3

Pushing and pulling our way to a greener future

Eric Kemp-Benedict

OT5.4

To what extent does energy cause economic growth?

Alban Pellegris

OT5.5

National accounting issues and real economic transitions: A useful exergy decomposition analysis of advanced economies

Marco Vittorio Ecclesia^{2,3,1}, Tiago Domingos³, Tiago Ribeiro³, João Santos³

RECONCILING CONSUMPTION, NEED AND WELLBEING, 2.1 Human needs and wellbeing A

11:00-12:30 Wednesday, 19th June, 2019

XI, Natura, 2nd floor

Track OT6

Chair: Miklós Antal

OT6.1

Does it have to be a sacrifice? Different notions of the good life, pro-environmental behavior and their heterogeneous impact on well-being

Martin Binder^{1,2}, Ann-Kathrin Blankenberg³, Jorge Guardiola⁴

OT6.2

Prioritising well-being on a finite planet: A research manifesto

Julia Steinberger¹, Elke Pirgmaier¹, William Lamb², Helga Weisz³, Daniel Bailey⁴, Stephen Hall¹, Lina Brand-Correa¹, Doris Fuchs⁵, Sylvia Lorek⁶, Peter-Paul Pichler³, Timmons Roberts⁷, Marlyne Sahakian⁸

OT6.3

Showing off sugar? The effect of positional goods on agents' welfare in the "sugarscape" model

Sylvie Geisendorf

OT6.4

Quality of life in sustainability transitions: the case of Hurdal Ecovillage (Norway)

Amsale Temesgen

OT6.5

Beyond consumption growth: Mapping the option space for alternative visions

Miklós Antal¹, Lina Brand Correa¹

THE ECONOMICS OF SUSTAINABILITY TRANSFORMATIONS, 6.2 Degrowth and post-growth economics

11:00-12:30 Wednesday, 19th June, 2019

M3, Quantum, 3rd floor

Track OT7

Chair: Diana Szakál

OT7.1

Structural change for a post-growth economy: Exploring the relationship between embodied energy and labour productivity

Lukas Hardt¹, John Barrett¹, Peter G. Taylor¹, Timothy J. Foxon²

OT7.2

The multiple natures of degrowth: implications for a social theoretical approach to a degrowth transformation.

Giuseppe Feola

OT7.3

Reconciling sustainable consumption with full employment: a two-sector stock flow consistent model of structural change.

Ben Gallant¹, Tim Jackson¹, Simon Mair¹

OT7.4

A conceptual exploration and critical inquiry into the theoretical foundation(s) of measures of economic welfare like the ISEW and GPI.

Jonas Van der Slycken¹, Brent Bleys¹

OT7.5

Robust Island Systems and Social Innovation in Cyclades.

Dimitrios Zikos

OT7.6

Food for degrowth in the Budapest Food City Lab initiatives

Diana Szakál¹, Bálint Balázs¹

ECOLOGICAL ECONOMICS AS A TRANSFORMATIVE SCIENCE. Ontology, pedagogy and methodological pluralism in ecological economics

11:00-12:30 Wednesday, 19th June, 2019

XIV, Natura, 3rd floor

Track OT8

Chair: Mariam Maki Sy

OT8.1

Critical Realism as 'Underlabouring' for a Feminist Decolonial Degrowth Approach

Corinna Dengler

OT8.2

Understanding Economies as Ecologically and Socially Emergent

Clive Spash

OT8.3

Valuation of Ecosystem Services and social choice: An original protocol combining deliberative and individual values

Mariam Maki Sy¹, Charles Figuières², H el ene Rey-Valette³, Rutger De Wit¹

THE ECONOMICS OF SUSTAINABILITY TRANSFORMATIONS, 6.3 Money and finance

11:00-12:30 Wednesday, 19th June, 2019

XV, Natura, 4th floor

Track OT44

Note: moved from Friday!

Chair: Alberto Peralta

OT44.1

The valuation of environmental effects and travel time: a holistic perspective

Niek Mouter¹, Manuel Ojeda Cabral², Thijs Dekker², Sander van Cranenburgh¹

OT44.2

Participatory Value Evaluation: a novel approach for the economic evaluation of ecological impacts of public policies

Niek Mouter¹, Paul Koster², Thijs Dekker³

OT44.3

Money, interest rates and accumulation on a finite planet – Revisiting the ‘monetary growth imperative’ through institutionalist approaches

Romain Svartzman¹, Joseph Ament², David Barmes³

OT44.4

The financing of renewable energies: a bibliometric approach

Luc Elie¹, Caroline Granier^{1,2}, Sandra Rigot¹

OT44.5

BUSINESS MODEL ECO-INNOVATION IN PRACTICE: MODELLING THE ENTREPRENEUR'S DECISION ON WHICH PRACTICE TO USE TO CREATE SUSTAINABLE BUSINESSES

Alberto Peralta¹, Javier Carrillo-Hermosilla¹, Fernando Crecente¹

WEDNESDAY 19 JUNE, 14:30-16:00

The environmental impacts of global mining

14:30-16:00 Wednesday, 19th June, 2019

M2, Quantum, 2nd floor

Track SS4

SS4.1

Creating global mining maps as a basis for fine-scale impact assessments

Stefan Giljum¹, Mirko Lieber¹, Sebastian Luckeneder¹, Stephan Lutter¹

SS4.2

Assessing water inputs of global mining activities

Stephan Lutter¹, Stephen Northey², Michael Tost³

SS4.3

A water scarcity and water quality footprint on the example of two Lithium mines

Anna Schomberg¹, Stefan Bringezu¹

Networks of Action Situations: A transformative ontology for Ecological Economics?

14:30-16:00 Wednesday, 19th June, 2019

XVI, Quantum, 1st floor

Track SS5

SS5.1

Explaining emergent social-ecological phenomena through networks of social-ecological action situations – an analytical framework

Maja Schlüter¹, Jamila Haider¹, Emilie Lindkvist¹, Romina Martin¹, Kirill Orach¹, Nanda Wijermans¹, Carl Folke¹

SS5.2

Can network analyses of action situations help to scope leverage points for polycentric transformation? A review

Christian Kimmich

SS5.3

Distant Interactions, Power, and Environmental Justice in Protected Area Governance: a Telecoupled Action Situations Perspective

Sébastien Boillat¹, Jean-David Gerber^{2,1}, Christoph Oberlack^{3,1}, Julie Zaehringer³, Chinwe Ifejika Speranza¹, Stephan Rist^{3,1}

SS5.4

Analyzing integrated resource governance in Germany - the food-energy-water nexus as an approach for integrated policy design

Carolin Märker¹, Sandra Venghaus²

International contexts of energy use: how much and what for?

14:30-16:00 Wednesday, 19th June, 2019

Seminar room 251, Natura, 2nd floor

Track SS6

SS6.1

RESIDENTIAL ELECTRICITY CONSUMPTION AND TIME-USE QUANTIFIED LIFESTYLES IN URBANIZING CHINA

Pui Ting Wong¹, Yuan Xu²

SS6.2

Consumers' preferences for Demand Side Management in Poland.

Bernadeta Gołębiowska¹, Anna Bartczak¹

SS6.3

Time Use and Energy Use in Austria 2010

Barbara Smetschka¹, Dominik Wiedenhofer¹, Claudine Egger¹

SS6.4

The context of energy use in Zambia - lessons learned from quantitative studies

Marta Baltruszewicz

SS6.5

Ugandan energy use at household level

Karla Cervantes Barron

Extending knowledge communities: Towards a more humble inquiry

14:30-16:00 Wednesday, 19th June, 2019

XX, Agora, 1st floor

Track SS7

SS7.1

Co-creation of knowledge on the Finnish Archipelago Sea food web using fuzzy cognitive mapping

Suvi Vikström

SS7.2

Co-production of transformative knowledge: how to integrate scientific and practical knowledge?

Kaisa Korhonen-Kurki¹, Maija Faehnle², Marko Keskinen³, Heli Saarikoski², Saija Kuusela², Iina Koskinen⁴, KirsiMarja Lonkika⁵, Jussi Airaksinen⁶, Sanne Bor⁷, Janina Käyhkö¹

SS7.3

Ecological Actions: a Network Approach

Tiziano DISTEFANO¹, Pietro Guarnieri¹

SS7.4

How Art Creation Supports Climate Adaptation and Sustainable Development - Lessons from the Artistic Response to the 2011 Triple Catastrophe in Japan

Tamara Schneider¹, Sven Rudolph²

The IPBES Regional Assessment for Europe and Central Asia: Mainstreaming biodiversity and nature's contributions to people

14:30-16:00 Wednesday, 19th June, 2019

XVII, Quantum, 2nd floor

Track SS8

SS8.1

The IPBES Regional Assessment for Europe and Central Asia: Options for governance and decision-making

Irene Ring¹, Camilla Sandström²

SS8.2

Opportunities and challenges of mainstreaming biodiversity and ecosystem services into forest policy

Roland Olschewski¹, Primmer Eeva², Ulan Kasymov³, Riccardo Simoncini⁴

SS8.3

Transforming agricultural institutions to enhance nature's contributions to people and biodiversity conservation in Eastern Europe and Central Asia

Ulan Kasymov¹, Riccardo Simoncini², Irene Ring³, Camilla Sandström⁴

Advancing a quantitative perspective on sustainability issues related to bioeconomy transitions in the social-ecological system

14:30-16:00 Wednesday, 19th June, 2019

XVIII, Quantum, 3rd floor

Track SS9

SS9.1

Induced Land Use Change and emissions from major bioplastics

Neus Escobar^{2,1}, Salwa Haddad^{2,1}, Jan Börner^{2,1}, Wolfgang Britz¹

SS9.2

Environmental impacts in regional bioeconomy supply chains – MRIO analyses of the forest-related land use footprints

Janis Brizga

SS9.3

Global supply chains in the bioeconomy: food, feed, fuel and fibre

Martin Bruckner

SAFEGUARDING BIODIVERSITY, CLIMATE, AND ECOSYSTEM SERVICES, 1.4 Environmental values and valuation

14:30-16:00 Wednesday, 19th June, 2019

Seminar room 215, Natura, 2nd floor

Track OT9

Please note: this session will continue until 16:15! Presentation time 10 + 5 minutes.

Chair: Rita Lopes

OT9.1

Stakeholder values and knowledge, its potential to inform Bayesian Belief Networks and models of freshwater catchment management

Craig Bullock¹, Mary Kelly-Quinn¹, Michael Christie², Michael Bruen¹, Thibault Hallouin¹

OT9.2

Is there consistency between environmental attitudes and choice preferences? The case of peatlands conservation in Finland.

Ioanna Grammatikopoulou¹, Eija Pouta¹, Janne Artell¹

OT9.3

Estimation of the willingness to pay for the marketed and non-marketed benefits of pollinators and pollination services in the South West of France

Zafarani Uwingabire^{1,2}, Nicola Gallai², Charilaos Kephaliacos², Jean Pierre Del Corso²

OT9.4

Do preferences change? The case of extensive awareness campaigns to control plastic waste

Kostas Bithas¹, Charalampos Mentis¹, Dionysis Latinopoulos²

OT9.5

Sociocultural valuation of ecosystem services of whales in Skjálfandi Bay, Iceland

Laura Malinauskaite¹, David Cook¹, Brynhildur Davíðsdóttir¹

OT9.6

A collaborative process to assess Ecosystem Services flows and support adaptive management in City – Nature Interfaces

Rita Lopes¹, Nuno Videira¹

DEVELOPING SUSTAINABLE FUTURES, 3.1 Agro-ecology, forestry and fisheries and 3.2 Information technologies and digitalization

14:30-16:00 Wednesday, 19th June, 2019

QU314, Quantum, 3rd floor

Track OT10

Chair: Andrea Wiktor Gabriel

OT10.1

Sequential exploitation, macro and micro-drivers of global fisheries expansion

Maartje Oostdijk¹, Laura Elsler², Junfu Zhao³, Elaine Bochniewicz⁴, Sanmitra Gokhale⁵, Stephanie Stefanski⁶, Edward Tekwa⁷, Andrew Frederick Johnson⁸, Jessica Gephart⁹, Chris Free¹⁰

OT10.2

Multi-criteria assessment of agricultural sustainability using the SMART Farm Tool: insights and challenges in applying a holistic sustainability framework for comparing wildly different production systems

Michael Curran¹, Christian Schader¹, Jan Landert¹, Gianna Lazzarini¹, Lukas Baumgart¹, Richard Petrsek², Rainer Weisshaidinger², Anja Heidenreich¹, Johan Blockeel¹, Haris Papagiannakis¹, Rolf Epple¹, Matthias Stolze¹

OT10.3

Fisheries sustainability and private ownership claims over EU fishing opportunities

Griffin Carpenter¹, Christiane Heisse¹

OT10.4

Responsive innovation system for digital energy services

Ralitsa Hiteva¹, Tim Foxon²

OT10.5

Making sense of biomass metabolism in agri-food systems - When autopoiesis and agency matter for action

Andrea Wiktor GABRIEL¹, Philippe Lescoat², Sophie Madelrieux¹

DEVELOPING SUSTAINABLE FUTURES, 3.5 Planning for urban resilience

14:30-16:00 Wednesday, 19th June, 2019

XI, Natura, 2nd floor

Track OT11

Chair: Erika Öhlund

OT11.1

Co-Creating a Resilient Future for Lienz - A Local Case Study in Socio-Economic Scenario Development and Visionary Thinking

Ina Meyer¹, Michiko Hama², Robert Jandl³, Markus Leitner⁴, Markus Keuschnig⁵, Ivonne Anders⁶, Oliver Fritz¹, Helene Berthold⁷, Brigitte Eder⁸

OT11.2

Assessing disaster resilience in urban and rural communities: Insights from science and practice

Finn Laurien¹, Adriana Keating¹, Reinhard Mechler¹

OT11.3

Ecologizing planning: Urban planning and nature in Bogotá

Germán A. Quimbayo Ruiz^{2,1}, Matti Salo³, Juha Hiedanpää³, Juha Kotilainen¹

OT11.4

Three cities, three countries, one challenge, planning to increase urban resilience in a transboundary context: the case of the Tri-border Region in the Parana basin

Paola Sakai^{2,3,1}, Marco Sakai^{3,4}

OT11.5

What are the values of agricultural land? Urban expansion as a threat to long-term food security.

Erika Öhlund

FORMULATING TRANSFORMATIVE POLICIES, 4.1 Innovative economic instruments

14:30-16:00 Wednesday, 19th June, 2019

M3, Quantum, 3rd floor

Track OT12

Chair: Riko Wahyudi

OT12.1

A TAXONOMY OF ECONOMIC MECHANISMS FOR ENVIRONMENTAL STEWARDSHIP

Rubén Vezzoni

OT12.2

Designing a global intergovernmental biodiversity transfer scheme

Nils Droste¹,Josh Farley²,Irene Ring³,Peter H. May⁴,Taylor H. Ricketts²

OT12.3

Institutions for sustainability

Arild Vatn

OT12.4

Creating A Fiscal Incentive Mechanism for REDD+ through Village Fund in Aceh Province, Indonesia

Riko Wahyudi¹,Rezky Lasekti Wicaksono²,Ayu Satya Damayanti³

THE ECONOMICS OF SUSTAINABILITY TRANSFORMATIONS, 6.1 Ecological macroeconomic models

14:30-16:00 Wednesday, 19th June, 2019

XIV, Natura, 3rd floor

Track OT13

Chair: Christian Kerschner

OT13.1

Regulation towards sustainable, circular forest bioeconomy

Jaana Korhonen^{2,1}, Anni Tuppur³, Eliisa Kylkilahti¹, Jenni Miettinen¹, Markku Ollikainen¹, Minna Autio¹, Katja Lähtinen¹, Sami Berghäll¹, Lassi Linnanen⁴, Mirja Mikkilä⁴, Anne Toppinen^{2,1}

OT13.2

Bioeconomy contributions to progress in sustainability – results from a counterfactual modelling exercise

Martin Distelkamp¹, Lara Ahmann¹, Markus Flaute¹, Christian Lutz¹

OT13.3

National accounts with an extended energy sector and estimation of useful exergy prices for Portugal 1960-2014

João Santos¹, Tiago Domingos¹, Tânia Sousa², André Serrenho¹

OT13.4

The Climate Effect of Digitalization in Production and Consumption in OECD Countries

Thomas Kopp¹, Steffen Lange²

ECOLOGICAL ECONOMICS AS TRANSFORMATIVE SCIENCE, 7.3 Interactive and action research

14:30-16:00 Wednesday, 19th June, 2019

XV, Natura, 4th floor

Track OT14

Chair: Alexandra Köves

OT14.1

Exploring the roles of the researchers in the transformative sustainability research

Lummina Horlings¹, Marta Nieto Romero², Siri Pisters³, Katriina Soini³

OT14.2

Fostering the dialogue on complex socio-ecological problems through Forum Theatre

Paula Novo¹, Julia Martin-Ortega², Azahara Mesa-Jurado³, Mariana Pineda³

OT14.3

The social justice of disability – Lessons from a participatory action research with a school for deaf children

Judit Gébert¹, Zoltán Bajmócy¹, Barbara Mihók¹, Boglárka Méreiné Berki¹, Kata Komáromi², Juhász Judit¹, György Málóvics¹

OT14.4

Co-creating pathways towards sustainability in organisations

Patrícia Tourais¹, Nuno Videira¹

OT14.5

The Cooperation of Art and Science in Post-normal Science: An Example

Alexandra Köves¹, Judit Gáspár¹, Réka Matolay¹

THURSDAY 20 JUNE, 11:00-12:30

**Law, politics and governance: institutions, organizations and procedures
for Ecological Economics**

11:00-12:30 Thursday, 20th June, 2019

M2, Quantum, 2nd floor

Track SS11

SS11.1

The state and voluntary carbon markets in Germany's land use sector

Claas Meyer¹, Lasse Loft¹, Alexandra Konzack¹, Teresa Kraus¹

SS11.2

Sustainability governance of ports: Insights from the Australian and New Zealand port industry

Peggy Schrobback

SS11.3

Designing participatory methods with values in mind

Ruth Shortall^{1,2}, Niek Mouter¹

SS11.4

Legal institutions, Ecological Economics and their (common) role for Sustainable Development

Volker Mauerhofer

Tribute to Felix Rauschmayer's Interdisciplinarity for transdisciplinarity

11:00-12:30 Thursday, 20th June, 2019

XVI, Quantum, 1st floor

Track SS12

Lessman will be participating via Skype

SS12.1

On the impact of engagement in sustainability initiatives on peoples' wellbeing

Ines Omann^{2,1}, Mirijam Mock³, Christine Polzin⁴

SS12.2

On how individuals as collectives get caught in transitions.

Tom Bauler¹, Bonno Pel¹

SS12.3

On actors experimenting on and for sustainability transitions in real-world laboratories

Niko Schöpke

SS12.5

Collectives and the capability approach to sustainability

Ortrud Leßmann

Co-creation in Finnish textile recycling ecosystem

11:00-12:30 Thursday, 20th June, 2019

Seminar room 251, Natura, 2nd floor

Track SS13

One important innovation ecosystem in Finland at the moment is related to textile recycling and new circular economy business opportunities in textile field. This ecosystem is called Telaketju. Telaketju started building up an network of end-of-life textile gatherers, sorters, recyclers and reusers. In an ecosystem, actors from different backgrounds are working closely together and benefit from each others' work. In addition to the research partners, Telaketju network includes over 50 public and private companies. Cooperation and co-creation are some of the most important aspects in well-functioning innovation and business ecosystems.

One key actor in well functioning ecosystem is trust. The aim of this session is to learn how trust has build up in Telaketju-ecosystem and how to strenghten the trust in the situation when the ecosystem is changing. One aim is to further develop trust in ecosystem, based on the sessions participants ideas and experience.

Session format, methods and moderation:

The session is moderated by Leader of Research Piia Nurmi from TUAS and facilitated by service designer Inka Mäkiö also from TUAS.

There will be Telaketju companies present as well as NGO and research parthers.

The session will be interactive so that all participants can learn and share.

Main organizer

Piia Nurmi

piia.nurmi@turkuamk.fi

SS13.1

Co-creation in Finnish textile recycling ecosystem

Mirjami Ikonen¹,Taina Savolainen¹,Piia Nurmi²,Sara Malve-Ahlroth²

SAFEGUARDING BIODIVERSITY, CLIMATE, AND ECOSYSTEM SERVICES, 1.5

Natural capital and ecosystem services A

11:00-12:30 Thursday, 20th June, 2019

XX, Agora, 1st floor

Track OT15

Chair: Meri Juntti

OT15.1

Thinking Green, Circular or Bio: eliciting researchers' perspectives on a sustainable economy with Q method.

Dalia D'Amato^{2,1}, Nils Droste^{3,4}, Klara Winkler⁵, Anne Toppinen^{2,1}

OT15.2

Ecosystem services as commons

Tatiana Kluvánková^{2,1}, Viera Bastakova^{2,1}, Stanislava Brnkalakova^{2,1}, Veronika Gežík^{2,1}

OT15.3

Analysing the views of environmental professionals on commodification of ecosystem services: the case of Mexico

Julia Martin-Ortega¹, Azahara Mesa-Jurado², Mariana Pineda-Velazquez², Paula Novo³

OT15.4

Assessing transitions to biomass-based renewable energy: The case of tropical wood charcoal commons

Hanneke van 't Veen¹, Maarten B. Eppinga¹, Maria J. Santos¹

OT15.5

Urban environmental quality and wellbeing in the context of incomplete urbanization in Brazil: integrating directly experienced ecosystem services into planning

Meri Juntti¹, Heloisa Costa², Nilo Nascimento²

SAFEGUARDING BIODIVERSITY, CLIMATE, AND ECOSYSTEM SERVICES, 1.5

Natural capital and ecosystem services B

11:00-12:30 Thursday, 20th June, 2019

XVII, Quantum, 2nd floor

Track OT16

Chair: Thomas Elliot

OT16.1

Attached to or bound to a place? The impact of green space availability on residential duration: The environmental justice perspective

Edyta Laszkiewicz¹, Jakub Kronenberg¹, Szymon Marcinczak¹

OT16.2

Knowledge co-production for managing aquatic ecosystem services with social-ecological scenarios

Romina Martin¹, Zuzana Harmáčková¹

OT16.3

How is nature traded? Brokering biodiversity within offsetting to identify incentives for safeguarding ecological outcomes

Niak Sian Koh

OT16.4

Modelling changes in biodiversity potential at the urban level

Thomas Elliot^{2,1}, Javier Babí Almenar^{4,3,1}, Paul Baustert^{5,1}, Benedetto Rugani¹, Vânia Proença⁶

DEVELOPING SUSTAINABLE FUTURES, 3.3 Sustainable energy technologies

11:00-12:30 Thursday, 20th June, 2019

XVIII, Quantum, 3rd floor

Track OT17

Chair: Gerald Kalt

OT17.1

ANALYSING THE BARRIERS AND DRIVERS TO CONCENTRATING SOLAR POWER IN THE EUROPEAN UNION. POLICY IMPLICATIONS.

PABLO DEL RIO¹, CHRISTOPH KIEFER¹

OT17.2

Ownership and infrastructure transformation: the electricity sector in Germany and Norway

Gregory Ferguson-Cradler

OT17.3

A critical appraisal of the global potentials and greenhouse gas implications of agricultural bioenergy

Gerald Kalt¹, Andreas Mayer¹, Michaela C. Theurl¹, Christian Lauk¹, Karl-Heinz Erb¹, Katrin Kaltenegger², Wilfried Winiwarter², Helmut Haberl¹

OT17.4

Valuing energy solutions in the residential housing markets: Market devices and the role of real estate agents.

Mikko Jalas¹, Jenny Rinkinen²

DEVELOPING SUSTAINABLE FUTURES, 3.4 Social metabolism and industrial ecology

11:00-12:30 Thursday, 20th June, 2019

Seminar room 215, Natura, 2nd floor

Track OT18

Chair: Jonathan Busch

OT18.1

The energy metabolism of countries: studying the impacts of the 2008 crisis on energy efficiency and energy use.

Valeria Andreoni

OT18.2

Water footprints in urbanising Europe

Juudit Ottelin¹, Seppo Junnila¹

OT18.3

Building a Taxonomy of Eco-innovation Types in Firms - A Quantitative Perspective

Christoph Kiefer¹, Pablo Del Río¹

OT18.4

Designing transformative policy mixes for circular economy

Henna Sundqvist-Andberg¹, Maria Åkerman², Sampsa Ruutu¹

OT18.5

Local Industrial Strategies for Sustainability Transformations

Jonathan Busch¹, Timothy Foxon², Peter Taylor^{3,1}, Julia Steinberger¹

FORMULATING TRANSFORMATIVE POLICIES, 4.1 Innovative economic instruments

11:00-12:30 Thursday, 20th June, 2019

QU314, Quantum, 3rd floor

Track OT19

Chair: Sonny Mumbunan

OT19.1

Cost and supply curves for tropical peat conservation and restoration

Rona Pradipta Yurismo¹, Sonny Mumbunan^{2,1}

OT19.2

Stated preferences to assess farmers' contract preferences for the design of Payments for Ecosystem Services schemes: A systematic review

Christoph Schulze¹, Claas Meyer¹, Bettina Matzdorf¹

OT19.3

Developing an online-marketplace for biodiversity and ecosystem services in Germany: Experiences and first lessons learnt

Marlen Krause¹, Bettina Matzdorf¹

OT19.4

Analyzing and modeling policy instruments designed to counteract rebound effects

Lara Ahmann¹, Christian Lutz¹, Maximilian Banning¹, Markus Flaute¹

THE ECONOMICS OF SUSTAINABILITY TRANSFORMATIONS, 6.1 Ecological macroeconomic models

11:00-12:30 Thursday, 20th June, 2019

XI, Natura, 2nd floor

Track OT20

Chair: *Tiago Domingos*

OT20.1

Why faith in energy efficiency improvements to help meet the Paris Agreement could be misplaced: exploring evidence and implications of large, economy-wide rebound

Paul Brockway¹, Victor Court², Matthew Heun³, Steve Sorrell², Gregor Semieniuk⁴

OT20.2

An agent-based macroeconomic model to explore lock-in mechanisms in transitions to sustainable food provision systems

Julien Vastenaekels

OT20.3

Effective Unilateral Climate Policy in a North-South Stock-Flow Consistent Macroecological model

Nepomuk Dunz^{2,1}, Asjad Naqvi^{2,1}, Irene Monasterolo^{3,1}

OT20.4

Economic causalities and induced feedback effects: An illustrative exposition of distinctive gaps between biophysical and econometric dynamic assessment models

Mark Meyer¹, Martin Distelkamp¹

OT20.5

From Useful Exergy to the Thermodynamics of Growing Systems: A Biophysical Approach Unlocks the Puzzles of Economic Growth

Tiago Domingos¹, Tânia Sousa¹

OT20.6

A new efficiency measure with an extended energy sector: the Exergy Return On Investment (ExROI) of a society

Marco Vittorio Ecclesia^{2,3,1}, Tiago Domingos³

THE ECONOMICS OF SUSTAINABILITY TRANSFORMATIONS, 6.5 Political Economy and capitalism

11:00-12:30 Thursday, 20th June, 2019

M3, Quantum, 3rd floor

Track OT21

Chair: Jan Otto Andersson

OT21.1

Low-carbon well-being is political: findings from the Living Well Within Limits project

Julia Steinberger

OT21.3

Value theory in ecological economics

Elke Pirgmaier

OT21.4

Ecologically Unequal Exchange

Jan Otto Andersson

SAFEGUARDING BIODIVERSITY, CLIMATE, AND ECOSYSTEM SERVICES, 1.4 Environmental values and valuation

11:00-12:30 Thursday, 20th June, 2019

XIV, Natura, 3rd floor

Track OT23

Chair: Alla Pakina

OT23.1

Pro-environmental norms and subjective well-being: panel evidence from the UK

Martin Binder¹,Ann-Kathrin Blankenberg²,Heinz Welsch³

OT23.2

Impact of beliefs about negative effects of wind turbines on preference heterogeneity regarding renewable energy development in Poland

Anna Bartczak¹,Wiktor Budziński¹,Bernadeta Gołębiowska¹

OT23.3

Deliberative valuation of peatland ecosystem services in Finland

Heli Saarikoski

OT23.4

Value landscapes and public preferences for dealing with the impacts of dam construction

Christopher Schulz¹,Julia Martin-Ortega²,Klaus Glenk³

OT23.5

Low Carbon Development Options in the Volga Region: Evaluation of Ecosystem Services Contribution

Alla Pakina

REDESIGNING INSTITUTIONS, 5.1 Knowledge co-production for democratic decision making

11:00-12:30 Thursday, 20th June, 2019

XV, Natura, 4th floor

Track OT26

Chair: Paula Saikkonen

OT26.1

The governance of bioeconomy - exploring the relationship of bioeconomy expansion and small farm survival

Wibke Crewett¹, Maria Proestou¹

OT26.2

Theories of change in transition arena analysis – co-creation of experiments for energy transition in Finland

Jani Lukkarinen¹, Kaisa Matschoss^{2,3}, Petteri Repo²

OT26.3

The sustainability nexus: a challenge for ecological economics.

Zora Kovacic

OT26.4

How can deliberative multicriteria evaluation frameworks support multilevel governance in ecological distribution conflicts? The case of windfarm conflicts in Turkey

Cem Iskender AYDIN

OT26.5

Redesigning the Nordic Welfare State – possibility of eco-social rationalities?

Paula Saikkonen

THURSDAY 20 JUNE, 14:30-16:00

What happened to the silver bullet? Assessing Payments for Ecosystem Services' real world performances

14:30-16:00 Thursday, 20th June, 2019

M2, Quantum, 2nd floor

Track SS10

SS10.1

Unpacking impact? Questioning the epistemic underpinnings of current impact evaluations in Payments for Ecosystem Services

Gert Van Hecken^{2,1}, Vijay Kolinjivadi³

SS10.2

A causal role of Equity for Effectiveness and Efficiency in Payments for Ecosystem Services schemes: Evidence from a lab-in-the-field experiment in Vietnam

Lasse Loft¹, Stefan Gehrig², Jens Rommel³, Carl Salk⁴

SS10.3

Assessing effective Payments for Ecosystem Services design: Qualitative Comparative Analyses in Germany and China

Claas Meyer¹, Cheng Chen^{2,1}, Bettina Matzdorf^{3,1}

SS10.4

Wind power parks and voluntary landscape protection: An exploration for the novel economic instrument

Erkki Mäntymaa¹, Eija Pouta²

Paving the way for post-growth policymaking

14:30-16:00 Thursday, 20th June, 2019

XVI, Quantum, 1st floor

Track SS19

Session I: Developing a preliminary core policy agenda for post-growth macroeconomics

SS19.1

Changing the game: A framework for policy coherence to move policymaking in the European Union beyond growth

Jonathan Barth¹, Christoph Gran¹, Jakob Hafele¹

Exploring the potential applications of measures of economic welfare: how to stimulate their use in policy-making?

14:30-16:00 Thursday, 20th June, 2019

Seminar room 251, Natura, 2nd floor

Track SS14

SS14.1

Progress in welfare measurements and it's political usefulness

Jukka Hoffrén

SS14.2

Two potential interpretations and uses of the ISEW/GPI

Jonas Van der Slycken

SS14.3

Moving away from GDP? Aligning indicators of societal well-being with policy-makers' worldviews as a mechanism for enhanced use

Christine Corlet Walker¹, Angela Druckman¹, Claudio Cattaneo²

SS14.4

Measuring the Genuine Progress Indicator (GPI) for every country: Challenges and some novel measurement approaches

Philip Lawn

Conditions and processes of governance innovations for forest ecosystem service provision

14:30-16:00 Thursday, 20th June, 2019

XX, Agora, 1st floor

Track SS15

SS15.1

A social-ecological-technical analysis framework for forest ecosystem services governance innovations

Stefan Sorge¹, Carsten Mann¹

SS15.2

Can Forest Management Units facilitate a reform space for co-management in Indonesia?

Katja Pellini¹, Riko Wahyudi²

SS15.3

More than a forest - multiple uses, trade-offs and future perspectives

Christian Schleyer¹, Jutta Kister¹, Michael Klingler¹

SS15.4

A dynamic strategy-driven institutional landscape for forest ecosystem service provision

Eeva Primmer¹, Liisa Varumo¹

Unlocking new insights into the economic-ecological aspects of global energy transitions: construction of a World Primary-Final -Useful (WPFU) energy database from 1800 onwards

14:30-16:00 Thursday, 20th June, 2019

XVII, Quantum, 2nd floor

Track SS16

SS16.1

A database for world primary, final, and useful energy and exergy information

Matthew Heun

SS16.2

Global animal and human muscle work (1800-2010)

Paul Brockway

SS16.3

Electricity: construction of a World Primary-Final-Useful (WPFU) energy database from 1900 onwards

Tânia Sousa

SS16.4

Long-run trends in world heat efficiency : a world database since 1800

Sofia Teuves Henriques

Extra: Tribute to Felix Rauschmayer's "Interdiscipinarity for transdisciplinarity"

14:30-16:00 Thursday, 20th June, 2019

XVIII, Quantum, 3rd floor

Track SS17

Connecting inner and outer dimensions of sustainability and the importance of Interbeing

Facilitators: *Ines Omann and Niko Schöpke*

Interactive format; max. 25 participants

In this session we aim to reflect on his thoughts given in his last paper: "Transition to Sustainability as Interbeing – or: from oncology to ontology" (which will be summarised as an introduction to the session) and to discuss (in pairs and in a circle) why the personal (and inner) dimension of sustainability seems so difficult to address personally and also in the discourse on sustainability, and what might be needed to change that.

SAFEGUARDING BIODIVERSITY, CLIMATE, AND ECOSYSTEM SERVICES, 1.2 Nature-based solutions 1.3 Green and blue infrastructure

14:30-16:00 Thursday, 20th June, 2019

Seminar room 215, Natura, 2nd floor

Track OT22

Chair: Daniel Johnson

OT22.1

Influence of interview location in preference elicitation concerning ecosystem services provided by trees in urban areas

Piotr Matczak¹, Marcin Mielewczyk¹, Krzysztof Mączka¹, Patrycja Przewoźna¹

OT22.2

The economic value of the benefits of NBS measures in a river basin context: A meta-analysis regression

Amandine GNONLONFIN¹, Nabila Arfaoui²

OT22.3

Plant trees for the planet: Forests as climate solution and avenues ahead

Sebastian Mader

OT22.4

Valuing ecosystem services of sustainable urban drainage systems: Resident perspectives and willingness-to-pay of residents in Berlin, Germany

Daniel Johnson¹, Sylvie Geisendorf¹

DEVELOPING SUSTAINABLE FUTURES, 3.4 Social metabolism and industrial ecology

14:30-16:00 Thursday, 20th June, 2019

QU314, Quantum, 3rd floor

Track OT24

Chair: *Stephan Lutter*

OT24.1

The stock-flow-service nexus approach to socio-metabolic research: conceptual advances and first empirical examples

Helmut Haberl¹, Dominik Wiedenhofer¹, Gerald Kalt¹, Christoph Görg¹, Fridolin Krausmann¹

OT24.2

Socio-ecological transition, wealth creation and territorial metabolism: the case of the production of the AOC-labelled cheese Beaufort in the Maurienne Valley

Michela Bevione^{1,2}, Nicolas Buclet², Jean-Yves Courtonne¹, Pierre-Yves Longaretti³

OT24.3

Looking for the inverted pyramid: An application using input-output networks

Louison Cahen-Fourot¹, Emanuele Campiglio¹, Elena Dawkins², Antoine Godin³, Eric Kemp-Benedikt⁴

OT24.4

SCP-HAT – developing an online tool to support science-based national policy frameworks for sustainable consumption and production (SCP)

Stephan Lutter¹, Pablo Piñero^{2,1}, Maartje Sevenster³

OT24.5

Measuring Local Well-being in Italy: an analysis applied to Tuscan Municipalities

David Burgalassi¹, Tommaso Ferraresi², Tommaso Luzzati¹, Agnese Peruzzi³

FORMULATING TRANSFORMATIVE POLICIES, 4.4 Sufficiency and reasonableness

14:30-16:00 Thursday, 20th June, 2019

XI, Natura, 2nd floor

Track OT25

Chair: Sanna Ahvenharju

OT25.1

Environmental ethics and the anthropocene: some insights from N. Georgescu-Roegen's bioeconomics

Sylvie Ferrari

OT25.2

Dwelling space in Denmark: Approaching sufficiency?

Inge Roepke¹, Charlotte Louise Jensen¹

OT25.3

Acceptability of strong sustainable consumption measures among Finnish elite

Sanna Ahvenharju

OT25.4

An analysis of the contribution of whale sanctuaries to marine ecosystem-based management

David Cook¹, Laura Malinauskaite¹, Brynhildur Daviðsdóttir¹

REDESIGNING INSTITUTIONS, 5.3 Earth Jurisprudence, environmental justice and Political Ecology 5.4 Anthropocene and environmental governance

14:30-16:00 Thursday, 20th June, 2019

M3, Quantum, 3rd floor

Track OT27

Chair: Markku Oksanen

OT27.1

I, You, We? Who are the Human Persons Governing the Planet?

Martin de Wit

OT27.3

Securing Resource Tenure in the Green Economy: REDD+ in Laos

Yayoi Lagerqvist¹, Sabaheta Ramcilovik-Suominen²

OT27.4

Birds and economy: utility-based classifications in Finland from the 1898 hunting decree to cormorant persecution

Markku Oksanen¹, Timo Vuorisalo²

OT27.5

Proxy voting for the Earth system: Investigating shareholder governance of global tipping elements.

Ami Golland^{2,1}, Victor Galaz^{2,1}, Gustav Engström²

THE ECONOMICS OF SUSTAINABILITY TRANSFORMATIONS, 6.1 Ecological macroeconomic models

14:30-16:00 Thursday, 20th June, 2019

XIV, Natura, 3rd floor

Track OT28

Chair: Louison Cahen-Fourot

OT28.1

Investigating the macroeconomic rebound effect and its mechanisms

Joëlle Saey-Volckrick¹, Steffen Lange², Tilman Santarius^{2,3}

OT28.2

Cascades of stranded physical assets

Louison Cahen-Fourot¹, Emanuele Campiglio¹, Elena Dawkins², Antoine Godin³, Eric Kemp-Benedikt⁴

OT28.3

The EU's Energy Roadmap 2050: a systemic and metabolic modelling approach to assess its socioeconomic impacts.

Jaime Nieto¹, Óscar Carpintero¹, Luis Javier De Miguel¹, Íñigo Capellán-Pérez¹, Ignacio De Blas¹, Margarita Mediavilla¹, Carlos De Castro¹, Pedro Lomas¹, Fernando Frechoso¹, Luis Fernando Lobejón¹, Gonzalo Parrado¹, David Álvarez¹, Paula Rodrigo¹

OT28.4

Analysis of key sectors and Decomposition of Multipliers in Bioeconomy: The case of Spain

Valeria Ferreira¹, Laia Pié¹, Antonio Terceño¹

OT28.5

Analysis of the European Directive "40% -27% -27%" through the exogenous determination of Catalan production in a SAM Model

Laia Pié¹, Valeria Ferreira Gregorio¹, Jesús Rosales Carreón², Laura Fabregat-Aibar¹

OT28.6

Scenario-building grounded in exergy efficiency: Methods and results from the MEET 2030 Project

António Alvarenga¹, Cristina Marta-Pedroso², João Santos³, Laura Felício³, Luísa Almeida Serra³, Maria do Rosário Palha², Nuno Sarmiento³, Ricardo da Silva Vieira³, Ricardo Teixeira³, Sofia Santos², Tânia Oliveira², Tânia Sousa³, Tiago Domingos³

SAFEGUARDING BIODIVERSITY, CLIMATE, AND ECOSYSTEM SERVICES, 1.5

Natural capital and ecosystem services

14:30-16:00 Thursday, 20th June, 2019

XV, Natura, 4th floor

Track OT30

Chair: Gael Plumecocq

OT30.1

Plural valuation of nature from theory to practice

Erik Gomez-Baggethun

OT30.2

Environmental valuation or eco-corrected prices?

Anders Ekeland

OT30.3

Preference Change in Deliberative Valuation

Richard Howarth

OT30.4

Loving the mess: Navigating diversity and conflict in social values for sustainability

Jasper O Kenter¹, Christopher Raymond², Dave Kendal³, Andrea Rawluk⁴, Carena van Riper⁵

OT30.5

The socio-political construction of ecosystem framework and evaluation

Gael Plumecocq¹, Géraldine Froger²

THURSDAY 20 JUNE, 16:30-18:00

Managing Agroecological Transitions. Diversity of trajectories and unlocking strategies

16:30-18:00 Thursday, 20th June, 2019

M2, Quantum, 2nd floor

Track SS18

SS18.1

Enacting agroecological transition as a (re)entanglement process. A political economy of feed self-sufficiency in livestock farming

Antoine Doré¹, Vincent Thénard¹

SS18.2

The role of grassroots innovation towards the agroecological transition

José Francisco Orozco Meléndez¹, Jaime Paneque-Gálvez²

SS18.3

The role of local stakeholders and moral systems in farmers' management practices of residual biomasses. A case study in Vallée de la Drome, France

Andréa Wiktor Gabriel¹, Philippe Lescoat², Sophie Madelrieux¹

SS18.4

Conceptualizing the agroecological transition: the economies of worth and the geographies of transition

Valerie Angeon^{2,1}, Olivier Crevoisier³

SS18.5

Agroecology is not only about ecology: How the social component of agroecology fosters the agroecological transition.

Stephanie Domptail

SS18.6

From valuing ecosystem services provided by grasslands to agricultural production: what insights to inform policy design? The case of the Normandy region in France.

Marie Asma BEN OTHMEN¹, Mariia OSTAPCHUK¹

Paving the way for post-growth policymaking (continues)

16:30-18:00 Thursday, 20th June, 2019

XVI, Quantum, 1st floor

Track SS21

Session II: Development of a roadmap to carry the research and policy agenda forward

THE ECONOMICS OF SUSTAINABILITY TRANSFORMATIONS, 6.2 Degrowth and post-growth economics

16:30-18:00 Thursday, 20th June, 2019

Seminar room 251, Natura, 2nd floor

Track OT29

Chair: Inês Cosme

OT29.1

What can Okun's Law and the experience of Japan tell us about maintaining employment in a post-growth economy?

Hirooki Inaba¹, Daniel O'Neill¹

OT29.2

Assessing the relationship between sustainability initiatives and society in a degrowth perspective

Daniele Klein¹, Inês Cosme¹, Paula Antunes¹

OT29.3

Debt and material throughput: learnings from the Eastern European semi-periphery

Oxana Lopatina

OT29.4

Can Digitalization Help to Decouple Economic Growth and Environmental Throughput?

Steffen Lange¹, Johanna Pohl², Tilman Santarius²

OT29.5

Articulating radical niche innovations and regime reforms towards a degrowth transition to a more sustainable society

Inês Cosme¹, Rui Santos¹

OT29.6

Degrowth and Technology: towards feasible, viable, appropriate and convivial imaginaries

Christian Kerschner^{2,1}, Petra Wächter³, Linda Nierling⁴, Melf-Hinrich Ehlers⁵

SAFEGUARDING BIODIVERSITY, CLIMATE, AND ECOSYSTEM SERVICES, 1.4

Natural capital and ecosystem services

16:30-18:00 Thursday, 20th June, 2019

XX, Agora, 1st floor

Track OT31

Chair: Thomas Hahn

OT31.1

How does nature framing influence conservation? A framed field experiment in the Lacandon jungle, Mexico

Marie FERRE¹, Paula Novo², Julia Martin-Ortega¹, Azahara Mesa-Jurado³, Mariana Pineda³

OT31.2

Stakeholders' perceptions on ecosystem services-based approaches in conservation practice in Chiapas, Mexico

Mariana Pineda¹, Paula Novo², M. Azahara Mesa-Jurado¹, Julia Martin-Ortega³, Miguel Angel Diaz-Perera¹, Alejandro Espinoza⁴

OT31.3

Private trees, public benefits and vice versa – participatory mapping on ecosystem services provided by trees and shrubs in rural and urban areas on private and public lands

Krzysztof Maczka¹, Piotr Matczak¹, Marcin Mielewczyk¹, Patrycja Przewoźna¹

OT31.4

Paying for Biodiversity Conservation and Ecosystem Services Delivery in Rural Landscapes in Portugal: co-creating policies that work for people and for nature

Rui Santos¹, Paula Antunes¹, Carlos Rio Carvalho², Inês Cosme¹, João Joanaz de Melo¹, José Manuel Lima Santos³, Miguel Araújo⁴, Joana Santana⁴, Cristina Marta-Pedroso⁵, Alexandra Aragão⁶, Teresa Brissos¹

OT31.5

The “resilience value” of ecosystems concerns general resilience and this is larger than the value of specified resilience and much larger than the financial economic insurance value of resilience.

Thomas Hahn¹, Thomas Elmqvist¹

THE ECONOMICS OF SUSTAINABILITY TRANSFORMATIONS, 6.1 Ecological macroeconomic models B

16:30-18:00 Thursday, 20th June, 2019

XVII, Quantum, 2nd floor

Track OT32

Chair: Tilman Hartley

OT32.1

Inequality without growth: assessing the solutions

Tilman Hartley¹,Giorgos Kallis²,Jeroen Van Den Bergh²

OT32.2

The low carbon energy transition in the UK and up-scaling green finance – a system dynamics modelling approach

Sarah Hafner

OT32.3

Distributive justice and climate change economics

Axel J. Schaffer¹,Darrel Moellendorf²,Sebastian Brun¹

OT32.4

The role of population dynamics on the trade-off between economic growth and reduced CO2 emissions

Johannes Lohwasser¹,Axel Schaffer¹,Tom Brökel²

OT32.5

Thermodynamic efficiency and its role as an engine of economic growth

Marco Sakai¹, Paul Brockway², John Barrett², Peter Taylor²

OT32.6

Is compound interest compatible with nongrowing economies? What the models tell us

Tilman Hartley¹,Giorgos Kallis²,Jeroen Van Den Bergh²

RECONCILING CONSUMPTION, NEED AND WELLBEING, 2.1 Human needs and wellbeing B

16:30-18:00 Thursday, 20th June, 2019

XVIII, Quantum, 3rd floor

Track OT33

Chair: John Thøgersen

OT33.1

What is clean and comfortable? Understanding and challenging conventions in daily life

Senja Laakso¹, Eeva-Lotta Apajalahti¹, Kaisa Matschoss¹

OT33.2

Climate Change, Agriculture and Food Security with reference to India

Mythili Gurumurthy

OT33.3

Social Equity and Ecological Sustainability - Can the Two be Achieved Together?

Franziska Dorn¹, Thomas Kopp¹

OT33.4

Do people consider climate impacts when acting?

Marianne Aasen¹, Arild Vatn^{1,2}, John Thøgersen³, Paul Stern⁴, Riley Dunlap⁵, Dana Fisher⁶, Ottar Hellevik⁷

OT33.5

Grassroots innovation to tackle food insecurity in marginalized communities: the case of vertical household gardens

Jaime Paneque-Gálvez¹, Ana Rubia Bueno-Silva²

RECONCILING CONSUMPTION, NEED AND WELLBEING, 2.1 Human needs and wellbeing

16:30-18:00 Thursday, 20th June, 2019

Seminar room 215, Natura, 2nd floor

Track OT40

Chair: Jefim Vogel

OT40.1

OCEANOGRAPHIC CHANGES DRIVE INEQUALITY THROUGH CRITICAL MULTI-LEVEL INTERACTIONS IN THE HUMBOLDT SQUID FISHERY

Laura Elsler¹, Gregory Lee Britten², Timothy Haight Frawley³, Sonja Radosavljevic¹

OT40.2

When climate policy meets social policy: a systematic map of the political economy literature

William Lamb

OT40.3

Estimating nations' efficiency as producers of well-being: A stochastic frontier approach to human well-being and resource use

Markus Richter

OT40.4

Well-being Indicators and sustainability at local level: A methodologically integrated approach

Fiona Ottaviani

OT40.5

Gatekeepers of sustainability and well-being: Provisioning systems as intermediaries between energy use and basic needs satisfaction

Jefim Vogel¹, Julia K. Steinberger¹, Daniel W. O'Neill¹, William F. Lamb²

RECONCILING CONSUMPTION, NEED AND WELLBEING, 2.5 Human behaviour and habits B

16:30-18:00 Thursday, 20th June, 2019

QU314, Quantum, 3rd floor

Track OT35

Chair: Astrid Kause

OT35.1

Is Green Identity a Middle Class Phenomenon?

Zakaria Babutsidze^{2,1}, Ann-Kathrin Blankenberg³, Andreas Chai⁴

OT35.2

Ecological Implications of Network Effects on Markets for Digital Services

Thomas Kopp

OT35.3

Eco-pauperization – trade-offs between different uses of an urban green space

Jakub Kronenberg¹, Edyta Łaszkiewicz¹, Magdalena Biernacka¹, Klara Pijewska¹, Erik Andersson²

OT35.4

Consumers' perceptions of rules for reducing carbon footprints of food

Astrid Kause^{1,3,2}, Wändi Bruine de Bruin^{1,4,2}, Joel Millward-Hopkins⁵, Henrik Olsson⁶

OT35.5

Human Scale Energy Services: a case study in Zambia

Lina Brand Correa¹, Julia Steinberger¹

DEVELOPING SUSTAINABLE FUTURES, 3.4 Social metabolism and industrial ecology

16:30-18:00 Thursday, 20th June, 2019

XI, Natura, 2nd floor

Track OT36

Chair: Nicolas Befort

OT36.1

Material use indicators (DMC ad RMC) and their relationship with per capita income

Tommaso Luzzati¹, Angela Parenti¹, Stefan Giljum²

OT36.2

Service-driven recast of industrial energy demand for decarbonization pathways

Alessio Mastrucci¹, Jihoon Min¹, Narasimha D. Rao¹

OT36.3

The impact of electrification in Portugal's exergy efficiency and aggregated carbon intensity in the 20th century

Laura Felício¹, Sofia Henriques ², Tânia Sousa¹

OT36.4

A review of waste conceptualization – revealing the controversy regarding its commodification

Nicolas Befort¹, Manuel Morales^{2,1}

FORMULATING TRANSFORMATIVE POLICIES, 4.5 Sharing economy

16:30-18:00 Thursday, 20th June, 2019

M3, Quantum, 3rd floor

Track OT37

Chair: Sanna Ala-Mantila

OT37.1

The environmental impact of the sharing economy: A review of the literature

Maria Sandberg

OT37.2

Sharing economy in a circulation economics perspective

Are Ingulfsvann¹, Ove Daniel Jakobsen¹

OT37.3

Development and Potential of Sharing Economy: Case of Different Countries' Experience

Tatjana Tambovceva¹, Dzineta Dimante², Maria Tereshina³, Tatiana Pimonenko⁴

OT37.4

Socioeconomic inequalities in green space availability in relation to residential segregation

Edyta Laszkiewicz¹, Jakub Kronenberg¹, Szymon Marcinczak¹

OT37.5

The urban migration patterns – a case study of city of Vantaa

Sanna Ala-Mantila¹, Henrik Lönnqvist²

REDESIGNING INSTITUTIONS, 5.1 Knowledge co-production for democratic decision making

16:30-18:00 Thursday, 20th June, 2019

XIV, Natura, 3rd floor

Track OT38

Chair: Eszter Kelemen

OT38.1

The legacy of the World Commission on Dams as a science-policy interface

Christopher Schulz¹, William M. Adams¹

OT38.2

The myth of landowner sovereignty in Finnish forestry

Nina Janasik¹, Steven Wolf², Daniel Burgas Riera¹, Mikko Mönkkönen³, Janne Hukkinen¹

OT38.3

Knowledge co-production with youth for environmental justice in the regional land-use planning

Aino Rekola¹, Sanna-Riikka Saarela¹, Arto Viinikka¹, Riikka Paloniemi¹

OT38.4

Learning in and about sustainability transformations with collaborative models: the case of surplus food redistribution systems

Nuno Videira¹, Krystyna Stave², Alexander Dorodeiko³

OT38.5

Networking at the science-policy interface: Reflections from the EKLIPSE project

Eszter Kelemen^{1,2}, Zoi Konstantinou³, Liisa Varumo⁴, György Pataki^{5,1}, Isabel Sousa Pinto³

THE ECONOMICS OF SUSTAINABILITY TRANSFORMATIONS, 6.2 Ecological macroeconomic models

16:30-18:00 Thursday, 20th June, 2019

XV, Natura, 4th floor

Track OT39

Chair: João Santos

OT39.1

Modelling distributional impacts of the renewable transition with experts' participation

Martin Cerny¹, Christian Kimmich¹, Christian Kerschner^{1,2}, Klaus Hubacek³

OT39.2

Quantification of Economy-wide Rebound Effects using factor-augmented VAR Models

Anne Berner¹, Stephan B. Bruns², Alessio Moneta³, David I. Stern⁴

OT39.3

Economic and Environmental Impacts of Paris Agreement Implementation Across the European Union

Valny Giacomelli Sobrinho¹, Eva Cudlinova², Jiri Sedlak²

OT39.4

An Ecological Macroeconomic Model for Policy-Mix Design: the Italian Case

Tiziano DISTEFANO¹, Simone D'Alessandro¹, André Cieplinski¹

OT39.5

Exploring the links between energy and growth in Europe: a panel cointegration analysis with useful exergy for EU countries

João Santos¹, Tiago Domingos¹, Tânia Sousa¹, André Serrenho¹

FRIDAY 21 JUNE, 11:00-12:30

Sustainable Welfare and Eco-social policies – Solutions for the Post-Growth Society

1:00-12:30 Friday, 21st June, 2019

Cave, JOKI, 1st floor

Track SS20

SS20.1

Political orientations and public support for an eco-social policy in Europe

Martin Fritz

SS20.2

State Welfare Provision and Environmental Protection after Growth

Christine Corlet Walker¹,Angela Druckman¹,Tim Jackson¹

SS20.3

Ecosocial policies from the perspective of grassroots level ecosocial innovations in Europe

Tuuli Hirvilammi¹,Ingo Stamm¹

S20.5

Money, vouchers, public infrastructures? The ecological distribution of social benefits

Katharina Bohnenberger

SS20.6

Barriers and opportunities for advancing a green tax reform in the transition to a post-growth economy

Tone Svendsen Endal¹,Erik Gómez-Baggethun^{2,1}

Collaborative path-finding

11:00-12:30 Friday, 21st June, 2019

Theater, JOKI, 3rd floor

Track SS22

**Co-creation workshop: linking exergy-ecological-degrowth
macroeconomic modellers to co-create new research project(s)**

11:00-12:30 Friday, 21st June, 2019

Amphitheater, JOKI 1st floor

Track SS23

Building and Connecting Resistance to Aviation

11:00-12:30 Friday, 21st June, 2019

Exhibition room, JOKI, 2nd floor

Track SS24

SS24.1

De Groene Locomotief initiative at Ghent University

Jonas Van der Slycken

Boundary Bazaar for social-ecological systems

11:00-12:30 Friday, 21st June, 2019

Workshop, JOKI, 3rd floor

Track SS25

SS25.1

'Leverage points' as a boundary object for ecosystem services research

David Abson

SS25.2

Collaborative governance approaches as boundary organizations for an improved provision of ecosystem services at landscape scale

Claudia Sattler¹, Barbara Schroeter¹

SS25.3

Ecosystem Services as a Boundary Concept

Christian Schleyer¹, Alexandra Lux^{2,3}, Marion Mehring^{2,4}, Christoph Görg⁵

RECONCILING CONSUMPTION, NEED AND WELLBEING, 2.5 Human behaviour and habits A

11:00-12:30 Friday, 21st June, 2019

ICT-building

Track OT34

Participants will meet at the lobby of JOKI from where you will be guided to your session room at ICT-building.

Chair: Kevin Grecksch

OT34.1

Green behavioural (in)consistencies: Are pro-environmental behaviours in different domains substitutes or complements?

Sandra Schusser^{2,1},Göran Bostedt^{2,1,3}

OT34.2

Sustainable consumption choices - what can carbon footprinting reveal about them?

Jukka Heinonen¹,Juudit Ottelin²,Sanna Ala-Mantila³

OT34.3

Narratives, myth and human behaviour in times of climate change

Jessica Holzhausen¹,Kevin Grecksch²

OT34.4

Welfare neutral ecological footprint reduction

Bart Defloor¹,Brent Bleys¹,Luc Van Ootegem¹,Elsy Verhofstadt¹

RECONCILING CONSUMPTION, NEED AND WELLBEING, 2.3 Ethics and sustainable diets 2.4 Work and leisure

11:00-12:30 Friday, 21st June, 2019

ICT-building

Track OT41

Participants will meet at the lobby of JOKI from where you will be guided to your session room at ICT-building.

Chair: Ernst Nuppenau

OT41.1

Institutional work and the transition of the Finnish milk regime

Markus Vinnari¹,Minna Santaoja²,Pekka Jokinen¹

OT41.2

A conceptual framework for post-growth work in the global North

Eeva Houtbeckers

OT41.3

A proposal for a critical conception of work in ecological economics

Ernest Aigner¹,Stefanie Gerold¹

OT41.4

Time prosperity: Going beyond working-time reduction to enhance human well-being and sustainable lifestyles

Stefanie Gerold¹,Gerrit von Jorck¹

OT41.5

What can Georgescu-Roegen tell us today about Reproduction, Food Provision and Sustainability in Peasant Economies: On Modelling and Joint Valuation of Resources

Ernst Nuppenau

RECONCILING CONSUMPTION, NEED AND WELLBEING, 2.5 Human behaviour and habits

11:00-12:30 Friday, 21st June, 2019

ICT-building

Track OT42

Chair: Brent Bleys

OT42.1

Urban Agriculture Food Production: Consumer's preference, and willingness to pay.

Marie Asma BEN-OTHMEN¹,Mariia OSTAPCHUK¹,Rick Gethro MACAJOUX¹

OT42.

Food Self-Provisioning as an Answer to the Metabolic Rift: The Case of 'Dacha Resilience' in Estonia

Lilian Pungas

OT42.3

The Ecological Footprint and Self-Assessments of Environmental Impacts of Individuals

Brent Bleys¹,Bart Defloor¹,Elsy Verhofstadt¹,Luc Van Ootegem¹

REDESIGNING INSTITUTIONS, 5.4 Anthropocene and environmental governance

11:00-12:30 Friday, 21st June, 2019

ICT-building

Track OT43

Chair: Paula Novo

OT43.1

Shifting Cultivation and Everyday Forms of Community Resilience in Subsistence Communities in Laos: Livelihood Transformations and Power Relations

Sabaheta Ramcilovic-Suominen¹, Juha Kotilainen²

OT43.2

Actors and interests in the formulation of the Brazilian targets for the Paris Agreement: from policy content to policy process, and back again

Maria Cristina Oliveira Souza¹, Débora Naidhig¹, Rosana Icassatti Corazza¹

OT43.3

Biodiversity governance through a values lens

Paula Novo¹, Scott Herrett², Nazli Koseoglu², Anja Byg²