

21st June, Wednesday

Parallel Session 3: 17.30 - 19.00

Science-society contributions to sustainability transformation: citizens science, CBR, PAR, RRI - Room 236

Chair: Györgyi Bela

| Presenting Author | Abstract Title | Authors |
|--------------------|---|--|
| Robert Jandl | Co-Creation of Socio-Economic Scenarios as Building Block of a Local Risk Management Tool to Climate Change - The Case Study City Lienz in the East-Tyrol, Austria | Robert Jandl, Ina Meyer, Brigitte Eder, Michiko Hama, Markus Leitner |
| Sergi Moles-Grueso | Interpreting the 'exemplary role' of energy-saving buildings in everyday life | Sergi Moles-Grueso, Lee Pugalís |
| Elise Audouin | TATA-BOX: "Territorial Agroecological Transition in Action": a tool-Box for designing and implementing a transition to a territorial agroecological system in agriculture | Elise Audouin, Jacques-Eric Bergez, Olivier Therond, Gaël Plumecocq |
| Choy Yee Keong | Sustainable development: from the birth of the United Nations' green era of development to the emergence of the age of Anthropocene | Choy Yee Keong |

Parallel Session 3: 17.30 - 19.00

(SpS) Linking energy and macroeconomics: which 'energy' and which 'macroeconomics'? (panel discussion) - Room 238

Chair: Lukas Hardt

| Presenting Author | Abstract Title | Authors |
|-------------------|---|------------------|
| Yannis Dafermos | Energy and growth in a stock-flow-fund ecological macroeconomic model | Yannis Dafermos |
| Gregor Semieniuk | Energy, exergy and theories of growth and distribution | Gregor Semieniuk |
| Astrid K Kander | How long term trends of energy and economic growth interaction can inform modelling exercises | Astrid K. Kander |
| Tiago Domingos | Useful Exergy and Economic Growth | Tiago Domingos |

Parallel Session 3: 17.30 - 19.00***Philosophical and methodological reflections: epistemology, theory and praxis - Room 322****Chair: Alexandra Köves*

| Presenting Author | Abstract Title | Authors |
|--------------------------|---|-----------------------|
| Matteo Villa | Action-research and welfare sustainability: the abductive approach for ecological researches and practices in social policy | Matteo Villa |
| Wolfgang Fellner | Human Needs and Socio Ecological Economic Development | Wolfgang J. Fellner |
| Vivi M.L. Storsletten | Transdisciplinarity and thematic narrative analysis | Vivi M.L. Storsletten |
| Ove Daniel Jakobsen | Transformative ecological economics | Ove Daniel Jakobsen |

Parallel Session 3: 17.30 - 19.00***Natural resource management - Room 324****Chair: Barbara Mihók*

| Presenting Author | Abstract Title | Authors |
|--------------------------|---|--|
| Johannes Schiller | Is the achievement of "good ecological status" for German surface waters disproportionately expensive? Justifying less stringent objectives according to WFD with disproportionately high costs | Johannes Schiller, Katja Sigel, Bernd Klauer |
| Irina Glazyrina | Socioeconomic Effectiveness and Green Growth of Forest Sector in Russia | Irina Glazyrina |
| Ana Serrano | Understanding regional divergences: the development of the Spanish agricultural sector in the long term | Ana Serrano, Ignacio Cazarro, Miguel Martín-Retortillo |
| Paola Sakai | Use of climate change information for adaptation practice: the UK water sector | Paola Sakai |

| Parallel Session 3: 17.30 - 19.00 | | |
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| <i>(SpS) Governing Insurance Value of Ecosystems - Room 326</i> | | |
| <i>Chairs: Eeva Primmer, Jouni Paavola</i> | | |
| Presenting Author | Abstract Title | Authors |
| Rosalind Bark | Floodplain ecosystem insurance values: Connecting visions to values | Rosalind H Bark, Michael Acreman |
| Jouni Paavola | Governance of ecosystems and responsibility for the provision of natural insurance | Jouni Paavola, Eeva Primmer |
| Martin Quaas | Insurance value, market access, and the sustainability of ecosystem use | Martin Quaas |
| Olivia Rendon | The insurance value of ecosystem services: a systematic mapping of empirical evidence | Olivia Rendon, Julia Martin-Ortega, Martin Dallimer, Rosalind Bark, Thijs Dekker, Jouni Paavola |

| Parallel Session 3: 17.30 - 19.00 | | |
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| <i>(SpS) Human development and linkages to energy services - Room 328</i> | | |
| <i>Chair: Paul Brockway</i> | | |
| Presenting Author | Abstract Title | Authors |
| Andreas Magerl | End-use energy study of India 1971-2012 | Andreas Magerl |
| Matthew Heun | Energy access and pathways in the developing world: Case study – Ghana | Matthew K Heun, Paul E Brockway |
| Brand Correa | Energy for well-being: Quantitative and qualitative insights into the relationship between energy services and human needs in Colombia | Lina I. Brand Correa |
| Karla Cervantes Barron | Exploring the link between energy services and human development | Karla Cervantes Barron, Jonathan M. Cullen |

Parallel Session 3: 17.30 - 19.00*Ecosystem services: complexity, financialisation, trade-offs, valuation - Room 330**Chair: Juha Hiedanpää*

| Presenting Author | Abstract Title | Authors |
|----------------------------|---|---|
| Katrin Karner | A participatory modelling approach to assess trade-offs between land use, ecosystem services and biodiversity conservation in an Austrian case study region | Katrin Karner, Martin Schönhart, Erwin Schmid |
| Valeria M. Toledo-Gallegos | Relative willingness to pay for ecosystem services in Scotland: A comparative analysis. | Valeria M. Toledo-Gallegos, Nicholas Hanley, Jed Long |
| Ágnes Roboz | Towards Linking the Concepts of Ecosystem Services and Environmental Justice: A Hungarian Case Study | Ágnes Roboz |

Parallel Session 3: 17.30 - 19.00*(SpS) The energy trap of the green revolution - Room 332**Chairs: Enric Tello, Claudio Cattaneo*

| Presenting Author | Abstract Title | Authors |
|--------------------------|---|--|
| Claudio Cattaneo | Has there been an energy trap in the Green Revolution? Insights from a long term perspective across the world. | Claudio Cattaneo, Enric Tello, Roc Padrò, Inés Marco, Jonatan Caravaca, Lucia Diez, Nofre Fullana, Lluís Parcerissas, Simone Gingrich, Fridolin Krausmann, David Soto, Manolo Gonzalez de Molina, Gloria Guzman, Juan Infante, Eduardo Aguilera, Wilson Picado, Eva Frankova, Andrew Watson, Geoff Cunfer, Josh McFaiden |
| Gonzalo Gamboa | Integrated assessment of future scenarios of traditional extensive grazing in the Aralar Natural Park (Barque Country, Spain) | Gonzalo Gamboa, Eneko Garmendia, Arantza Aldezabal, Aitor Andonegi |
| Rebekah Breeding | The metabolic pattern of the Spanish agricultural sector: energy and water requirements of an industrialized agriculture | Rebekah Breeding, Gonzalo Gamboa, David Saurí, Violeta Cabello |

Parallel Session 3: 17.30 - 19.00*Social metabolism and systems approaches (ecological macroeconomics, consumption-production and social-ecological systems) - Room 334**Chair: Tommaso Luzzati*

| Presenting Author | Abstract Title | Authors |
|--------------------------|---|---|
| Edward John Manderson | An Economic Perspective on Industrial Ecology | Edward John Manderson, Tim Considine |
| Tatiana Tagaeva | Analysis and forecast of Russian environmental pressure using Input-Output approach | Tatiana Tagaeva, Alsu Sayapova, Vadim Gilmundinov |
| Martin Cerny | Exploring post-carbon futures through participatory modelling | Martin Cerny, Christian Kimmich, Christian Kerschner, Klaus Hubacek |
| Martin Distelkamp | Raw Material Use of Nations - A Cross-Country Analysis Illustrating the Performance of Enhanced Resource Indicators | Martin Distelkamp, Mark Meyer |

Parallel Session 3: 17.30 - 19.00*Strategies for transformation to a low carbon economy - Room 336**Chair: Tom Bauler*

| Presenting Author | Abstract Title | Authors |
|--------------------------|--|--|
| Anders Ekeland | Ecological Economics and the Climate Movement – more Inaction than Action? | Anders Ekeland |
| Thais Oliveira | Provisions for international market mechanisms under the Paris Agreement: a cooperative approach | Thais D Oliveira, Ângelo C Gurgel, Steve Tonry |
| Emiko Inoue | The incentives for corporations to engage in voluntary environmental disclosure | Emiko Inoue |
| Manuel Cantavella | The role of education in the environmental Kuznets curve: evidence from Australian data | Manuel Cantavella, Jacint Balaguer |

| Parallel Session 3: 17.30 - 19.00 | | |
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| <i>Community economy, solidarity economy, social entrepreneurship - Room 338</i> | | |
| <i>Chair: György Málovics</i> | | |
| Presenting Author | Abstract Title | Authors |
| Fulvio Fontini | Corporate Social Responsibility and firm financial performance: a industry sectors analysis | Fulvio Fontini, Silvia Blasi, Massimiliano Caporin |
| Melinda Mihály | Social and solidarity economy initiatives in peripheralized rural areas - A perspective from Central and Eastern Europe | Melinda Mihály |
| Sergio Villamayor-Tomas | Social movements and common pool resource management: a systematic review | Sergio Villamayor-Tomas |
| Ellen Stenslie | Sustainability entrepreneurs as institutional innovators | Ellen Stenslie |

| Parallel Session 3: 17.30 - 19.00 | | |
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| <i>(SpS) Towards an Ecological Economics of Water - Room 340</i> | | |
| <i>Chairs: Arnaud Buchs, Iratxe Calvo-Mendieta, Olivier Petit</i> | | |
| Presenting Author | Abstract Title | Authors |
| Susana Torres | Water cycle and urban sustainability in growing Latin America cities | Susana Torres, Beatriz Rodríguez-Labajos |
| Stephan Lutter | Sustainable water use – the way forward towards comprehensive measurement and management | Stephan Lutter |
| Barun Thakur | Household Willingness to Pay for Arsenic free drinking water in Bihar, India | Barun Kumar Thakur, Vijaya Gupta |
| Ozge Dogmus | The “counterfeit” hydropower boom as a way of water grabbing: The case of Martin Brod, Bosnia and Herzegovina | Ozge Can Dogmus |