

ISEE 2016 - Conference Schedule

June 26 to 29, 2016

Time Block ID	Session ID	Time	June 26
A		26 th 8:30 AM – 7:00 PM	Preconference Workshop – Research Collaborations in Urban Agriculture and Urban Sustainability in the Northeast Region of the United States. Hosted by the College of Agriculture, Urban Sustainability and Environmental Sciences (CAUSES) of the University of the District of Columbia (UDC). Please contact matthew.richardson@udc.edu
A		26 th Noon – 5:00 PM	Pre-Conference Program - Energy and the Economy. Offered in conjunction with the meeting of the International Society of the International Society for Bio-Physical Economics (ISBPE)
A		26 th 2:00-7:00 PM	Registration Opens
A		26 th 2:00-5:00 PM	DC Area Field Trips
B		26 th 3:00-5:00 PM	ISEE Board Meeting, Sabine O’Hara, Chair
C		26 th 5:00-7:00 PM	Regional Societies Meetings
C			International Society for Bio-Physical Economics (ISBPE) Opening Social
D		26 th 7:00 PM	Opening Reception – ISEE and ISBPE
			June 27
E		27 th 9:00 AM	Welcome and Opening Remarks – Ronald Mason, President of UDC; Muriel Bowser, Mayor of Washington DC
F		27 th 9:30 AM	Opening Plenary – Michelle Obama (invited); US Secretary of Agriculture Tom Vilsack (invited)
		27 th 10:30 AM	Coffee Break
G		27 th 10:45 AM	Parallel Sessions
G	T01a	27 th 10:45 AM Room I	<i>Sustaining Food and Water:</i> <ol style="list-style-type: none"> 1. Marco Springmann: Analysis and valuation of the health and environmental co-benefits of dietary change 2. Frank Mangan: The UMass Amherst Urban Agriculture and Nutrition Program: Increasing fresh produce production and consumption in urban settings 3. Michalis Hadjikakou: Eating more sustainably by trimming off the excess - what about discretionary food? 4. Richard White: Food Security - Inconvenient Questions.
G	T01b	27 th 10:45 AM Room II	<i>Sustaining Food and Water – Conveners: Michael Wironen and Courtney Hammond-Wagner</i> <ol style="list-style-type: none"> 1. Suzie Greenhalgh: Changing paradigms for managing freshwater resources in New Zealand - the move to collaborative governance and agricultural non-point source regulation 2. Michael Middleman: Agricultural non-point source pollution mitigation in Vermont, USA: regulatory drivers and a unique approach to tracking agricultural Best Management Practice implementation efforts 3. Sara Walker: A market-based approach to agricultural non-point source pollution reductions: water quality trading experiences and estimation tools 4. Michael Wironen: Mitigating agricultural nutrient pollution at the source: the challenge of applying a lifecycle perspective to nutrient management in Vermont.
G	T04	27 th 10:45 AM Room III	<i>Transforming Economic Growth and Redefining Economic Measures – Convener: Jonathan Harris</i> <ol style="list-style-type: none"> 1. Jonathan Harris, Convener: Ecological Macroeconomics – Responding to Climate Change 2. Shouvik Chakraborty: Transforming Energy Systems, Reducing Emissions and Creating Jobs 3. Eric Kemp-Benedict: Low-carbon Transition in a Wage-Based Growth Regime 4. Ranulfo Sobrinho: Analytical framework for ecological macroeconomics

G	T05	27 th 10:45 AM Room IV	<p><i>Social Stability and Economic Behavior</i></p> <ol style="list-style-type: none"> 1. Ricardo Gonzalez: Determinants of land-conflict in indigenous lands in southern Chile 2. Patricia Perkins: Commons and climate injustice: Ecofeminist and indigenous traditions 3. Boyd Blackwell; The role of indigenous cultures in securing sustainable economic development of mineral and energy resources in Australasia and Europe 4. Tamara Steger: Ghettos in Slovakia: The Environmental Exclusion of the Roma Minority
G	T06a	27 th 10:45 AM Room V	<p><i>Public Policy for Local and Global Sustainability</i></p> <ol style="list-style-type: none"> 1. Consuelo Varela-Ortega and Irene Blanco-Gutierrez: Long term perspectives on water use, climate change and human development in the Mediterranean 2. Teresa Meira: The new waste economy: a comparison between urban solid waste management systems inside two favelas of Rio de Janeiro 3. Asim Zia: Spatial scale and political ideology confound climate risk communication 4. Sebastian Brun: The climate gamble - Implementation of risk into integrated assessment models
G	T06b	27 th 10:45 AM Room VI	<p><i>Public Policy for Local and Global Sustainability</i></p> <ol style="list-style-type: none"> 1. Tatiana Kluvankova: Enhancing the well-being of EU regions through innovative governance models – the carbon forestry CPR regime 2. Matthew Moran: The natural gas boom - impacts on land use and ecosystem function in the deciduous forest biome of North America 3. Renzo Giudice: Unraveling the role of design flaws in incentive-based forest conservation - empirical evidence from the Peruvian Amazon 4. Jonas Ngouhouo: The Value of Endangered Forest Elephants for Local Communities in a Transboundary Conservation Landscape
G	T06c	27 th 10:45 AM Room VII	<p><i>Public Policy for Local and Global Sustainability</i></p> <ol style="list-style-type: none"> 1. Thais Oliveira: Why a Brazilian Cap-Trade Scheme? 2. Jon Erickson: Leading National Energy Transitions One State at a Time: Carbon Pricing and Strategy at Sub-National Scales 3. Sven Rudolph: Social justice in carbon market design: Icing on the cake or condition sine qua non? Theoretical insights and experiences in the EU, US, and Japan 4. Liesbeth de Schutter: The Land Footprint; how can it contribute to sustainable development?
G	T07	27 th 10:45 AM Room VIII	<p><i>Ecological Economics Education and Communication</i></p> <ol style="list-style-type: none"> 1. Regina Ostergaard-Klem: Teaching the Trio: Using Examples from Hawaii to Incorporate the Water-Energy-Food Nexus into Ecological Economics Curricula 2. Paul Bartlett: Towards an Epistemic Cognition Approach to Ecological Economics. 3. Thanyaporn Chankrajang: Green Returns to Education -- Does Schooling Contribute to Pro-Environmental Behaviors? Evidence from Thailand 4. Shuyu Wang: Studies on Teaching Content System for Ecological Economics
G	T08a	27 th 10:45 AM Room IX	<p><i>Joint EE/BPE Session - Bio-Physical Economics: Social Energetics: Connecting Natural and Social Sciences – Convener: Gail Tverberg</i></p> <ol style="list-style-type: none"> 1. Anthony Friend: System of Accounts for Global Entropy-Production (SAGE-P) -- The Accounts of the Low Entropy Fund (LEF) available for human consumption in the Econosphere, Sociosphere, and the Ecosphere 2. Christina Madrid Lopez: Shale gas development for a low carbon economy in the USA? The limitations we have to consider. 3. Gregor Semieniuk: Fossil energy in economic growth: A study of the energy direction of technical change, 1950-2012 4. Carey King: Quantifying (net) Energy and Complexity of the U.S. Economy
G	T08b	27 th 10:45 AM Room X	<p><i>Social Energetics - Connecting Natural and Social Sciences - Convenor: Robert Ayres</i></p> <ol style="list-style-type: none"> 1. Jing Chen: The unity of science and economics - A new foundation of economic theory 2. Juergen Mimkes: Bio-econo-physics - Synthesis of Natural and Social Sciences? 3. Kent Klitgaard, Charles A.S. Hall, M. Muin Uddin, Michael Sciotti and Marina Fargnoli: Biophysical and social determinants of economic stagnation and degrowth 4. Ram Poudel and Jon McGowan: Social Energetics - A Unifying Paradigm?
H		27 th 12:00 Noon	Boulding Awards Luncheon - Kanchan Chopra, Boulding Award Recipient and Speaker
I		27 th 1:30 PM	Parallel Sessions
I	T01	27 th 1:30 PM Room I	<p><i>Sustaining Food and Water</i></p> <ol style="list-style-type: none"> 1. Christina Brown: An Integrated Framework for Linking the Ecosystem Services Valuation with the Freshwater Flow in the Florida Everglades 2. Kirsten Oleson: Linking land and sea through an ecological-economic recreation model 3. Pablo Hernandez: Land control and the social re-appropriation of resources under recent ecotourism projects 4. Michael Daley: Sustaining the Ski Industry: An Ecological Economic Perspective

I	T02	27 th 1:30 PM Room II	<p><i>Sustaining Sources and Sinks</i></p> <ol style="list-style-type: none"> 1. Claudia Kettner: Sectoral allocation patterns in the EU Emission Trading Scheme 2. Kuishuang Feng: Global income inequality and carbon footprints 3. Julia Janke: CO2 emission profiles for mobility behavior 4. Sven Rudolph: There did all the markets go! The political economy of carbon markets revisited -- Empirical evidence from Germany, the US, and Japan and lessons for theory
I	T03	27 th 1:30 PM Room III	<p><i>Urban Sustainability and other Regional Approaches</i></p> <ol style="list-style-type: none"> 1. Joan Hoffman: Environmental Justice Along Product Life Cycles 2. Whitney Lash-Marshall: Regional Vulnerability in Conservation and Food Production in Costa Rica 3. Najem Raheem: Small Dams in New England – Evaluation, Removal and Restoration 4. Najem Raheem: Teaching Ecosystem Services and Valuation in the Context of New England Dams 5. Nick Wildman: The Practice of Dam Removal and River Restoration in Massachusetts
I	T04a	27 th 1:30 PM Room IV	<p><i>Transforming Economic Growth and Redefining Economic Measures</i></p> <ol style="list-style-type: none"> 1. Hannes Lang and John Gowdy: Directed Evolution Approach to Environment and Development -- The Case of the Sudd Wetland, South Sudan 2. Binilkumar Amarayil Sreeraman: Preferences over Improvements in Wetland Attributes -- A Choice Experiment Study of Loktak Lake in India 3. Steven Van Passel: Public preferences for river restoration: application of a labeled choice experiment in two Belgian river basins 4. Sandra Goff: Does Ecosystem Services Valuation Help or Hurt our Cause?
I	T04b	27 th 1:30 PM Room V	<p><i>Transforming Economic Growth and Redefining Economic Measures</i></p> <ol style="list-style-type: none"> 1. Altinay Karasapan: Implications of Seed Policies for On-farm Agro-biodiversity and Food Security in Ethiopia and Uganda 2. Joe Ament: Financial Speculation, Asset Prices, and Inequality 3. Peter Søgaard Jørgensen: An operational safe-and-just space: Integrating material flows to evaluate national performance 4. Arho Toikka: Uncovering multi-level governance and policy idea transfer in energy policy using topic modelling on large policy corporuses
I	T05	27 th 1:30 PM Room VI	<p><i>Social Stability and Economic Behavior</i></p> <ol style="list-style-type: none"> 1. Lekha Mukhopadhyay: China-Nepal-India-Bangladesh in the Transboundary Water Issues: a Game Theoretic Analysis 2. David Fleming: Beyond the boomtown effects: the impact of mining activity on adolescent childrearing 3. Alok Sen: The Gender implications of Forest Degradation in the Poor Households 4. Yee Keong Choy: The Heart of Borneo: the nexus of bioregional transition, indigenous environmental ethics and environmental sustainability
I	T06a	27 th 1:30 PM Room VII	<p><i>Public Policy for Local and Global Sustainability</i></p> <ol style="list-style-type: none"> 1. Jayanath Ananda: Urban Water Services and Greenhouse Gas Emissions: Towards an Environmentally Sensitive Regulatory Approach 2. Yoshihiko Wada: Evaluating Nuclear Energy from the view points of social costs, social capital, and social justice and impacts to the communities in the Navajo Nation and Fukushima, Japan 3. Urban Kovac, Alfred Kaiser, Tatiana Kluvankova: Sustaining urban ecosystem services: The multiple benefits of urban green spaces.
I	T06b	27 th 1:30 PM Room VIII	<p><i>Public Policy for Local and Global Sustainability</i></p> <ol style="list-style-type: none"> 1. Lea Fortmann: Assessing Preferences over Community Forest Concession Attributes and Forest Conservation using Choice Experiments 2. Elizabeth Shapiro-Garza: Contested Value - Alternative Discourses of Payments for Ecosystem Services in Mexico 3. James Kahn: Limitation to the Privatization of environmental quality -- The case of Guanabara Bay in Rio de Janeiro State 4. Thais Bannwart: What kind of policy is best suited to contain the deforestation in Brazil?
I	T07	27 th 1:30 PM Room IX	<p><i>Ecological Economics Education and Communication</i></p> <ol style="list-style-type: none"> 1. Tetyana Loskutova: The Role of Values in Framing Processes of Sustainability Meaning Construction 2. Katharine Farrell and David Barkin: Walking forward together: learning to learn 3. Sylvie Geisendorf: What Does "Sustainability Economics" Aim for and How Does it Differ from "Ecological Economics" 4. Bernd Klauer: Return in good condition – essay on the concept of fair bequest
I	T08	27 th 1:30 PM Room X	<p><i>Energy Return on Investment (EROI) - Convenor: Serge Galam</i></p> <ol style="list-style-type: none"> 1. Graham Palmer: Using EROI for a limits analysis of variable renewable energy (VRE) and storage 2. Zhaoyang Kong and Xiucheng Dong: EROI Analysis of the Production of Oil and Gas in China - A Company Level Perspective 3. Ke Wang, Harrie Vredenburg and Lianyong Feng: Energy Return on Investment (EROI) of Canadian oil sands extraction, a new calculation 5. Matthew Deason, John Schramski and Krista Jacobsen: Energy return on energy invested (EROEI) empirical model of an organic integrated animal and vegetable farm in Kentucky
J		27 th 2:45 PM	Parallel Sessions

J	T01a	27 th 2:45 PM Room I	<p><i>Sustaining Food and Water –Full Session</i></p> <ol style="list-style-type: none"> 1. Sylvie Morardet: Using deliberative monetary valuation to analyze synergies and trade-offs between aquatic ecosystem services in an irrigated Mediterranean watershed 2. Sophie Avila, Fernando Martínez: Resilience towards hurricane in coastal communities in Oaxaca Mexico 3. Takuro Uehara: An operational and theoretically sound sustainability assessment framework for integrated coastal zone management 4. Derrylea Hardy: Engaging with Local Communities to Address Complex Coastal Management Issues -- Cross-cultural collaborative research in New Zealand 5. Carlos E.F. Young, Biancca S. de Castro: Coordination problems of subnational policies for payments for watershed environmental services in Brazil.
J	T01b	27 th 2:45 PM Room II	<p><i>Sustaining Food and Water</i></p> <ol style="list-style-type: none"> 1. Delin Fang: Water-land nexus relationships in socio-economic system 2. Rimjhim Aggarwal: Alternative visions for leveraging the food-water nexus for a sustainability transition - The Case of India 3. Mike Mageau: CEA - Methods, Sustainability and Economic Viability 4. Sofia Monroy: Multifunctionality and natural resource management strategies - a comparative from two social forms of land tenure in Mexico
J	T02	27 th 2:45 PM Room III	<p><i>Sustaining Sources and Sinks</i></p> <ol style="list-style-type: none"> 1. John Gowdy and Roxana Julia: The Human Domination of the Biosphere -- From Hunter-Gatherers to Industrial Agriculture 2. Dries Maes: Behavior diversity limiting the adaptation of agriculture to the growing bio-economy 3. Joachim Spangenberg: Ecosystem services as if people mattered 4. Barbara Muraca: Rethinking Ecosystem Services as Care relations - a Feminist Ecological Economics approach.
J	T03	27 th 2:45 PM Room IV	<p><i>Urban Sustainability and other Regional Approaches</i></p> <ol style="list-style-type: none"> 1. Stanislav Shmelev: Multidimensional Sustainability Benchmarking for Megacities 2. Irene Ring: Ecosystem services in the city – protecting human health and increasing quality of life 3. Tatiana Kluvanoka: Ecosystem service governance for urban sustainability 4. Bernardo Aguilar-Gonzalez: Ecological debt and Environmental Injustice in Semi-Urban Protected areas -- A case study
J	T04a	27 th 2:45 PM Room V	<p><i>Transforming Economic Growth and Redefining Economic Measures</i></p> <ol style="list-style-type: none"> 1. Roger Boyd: The Financial System As An Impediment To Steady State 2. Rintaro Yamaguchi: The case for NNP- or Inclusive Wealth-Linked Bonds 3. David Timmons: Towards improving ecosystem service valuation: microeconomic, dynamic, and macroeconomic considerations 4. Ranulfo Sobrinho and Ademar Romeiro: What features should have a cryptocurrency to promote sustainable development?
J	T04b	27 th 2:45 PM Room VI	<p><i>Transforming Economic Growth and Redefining Economic Measures</i></p> <ol style="list-style-type: none"> 1. Ken Bagstad: From theory to practice: Bringing natural capital accounting to the forefront of economic decision making 2. Glenn-Marie Lange, Chief Technical Advisor, WAVES Program, World Bank 3. Rosimeiry Portela, Senior Director, Moore Center for Ecosystems Science & Economics, Conservation International 4.
J	T04c	27 th 2:45 PM Room VII	<p><i>Transforming Economic Growth and Redefining Economic Measures</i></p> <ol style="list-style-type: none"> 1. Regina Ostergaard-Klem: GPI Island Style - Moving the Genuine Progress Indicator from Theory to Practice in Hawaii 2. Eduardo Rodriguez: GPI in the woods -- How can Vermont's Genuine Progress Indicator reflect a more accurate value of forests? 3. Vivi Storsletten and Ove Jakobsen: Why less bad is no good – A required shift from green economy to ecological economics 4. Jesko Hirschfeld: Measuring the Costs and Benefits of Land Use Changes: An Holistic Ecosystem Services Valuation Approach
J	T06	27 th 2:45 PM Room VIII	<p><i>Public Policy for Local and Global Sustainability – Convenor: Virgilio Viana</i></p> <ol style="list-style-type: none"> 1. Peter May, Virgilio Viana, Gabriel Ribenboim, Naila Takahashi and Liandra Caldasso: Direct payments for reduced deforestation -- the social benefits and environmental impact of the Bolsa Floresta Program in Amazonas, Brazil 2. Elias Cisneros, Jan Börner, Sven Wunder and Stefano Pagiola: Do conservation incentives increase the effectiveness of protected areas? A spatial matching analysis of the Bolsa Floresta Program in the Brazilian Amazon 3. James Kahn: The Future of Brazilian Ecosystems: Is the cup half full, half empty or bone dry? 4. Jan Börner: Do community support measures in protected areas increase household welfare? A case study from the Brazilian Amazon
J	T07	27 th 2:45 PM Room IX	<p><i>Ecological Economics Education and Communication</i></p> <ol style="list-style-type: none"> 1. Are Ingulfsvann: Friluftsliv as a path towards nature friendly lifestyle 2. Janne Hukkinen & Inge Roepke: Sustainability transitions of scientific disciplines 3. Bernd Siebenhuener: From Transdisciplinarity to Transformation 4. Vicky Forgie: Interlinked thinking as a tool to tackle complexity.

J	T08	27 th 2:45 PM Room X	<i>Energy and Economics - Is there symbiosis ? - Convenor: John Schramski</i> <ol style="list-style-type: none"> 1. Gail Tverberg: Complexity - The Connection between Fossil Fuel EROI, Human Energy EROI, and Debt 2. George Mobus: Application of Systems Science Principles to Economics 5. Victor Yakovenko: Global Inequality in Energy Consumption from 1980 to 2010
		27 th 4:00 PM	Coffee Break
K		27 th 4:15 PM	Plenary I: The Food-Water-Energy-Justice Nexus – Minister Marina Silva; Minister Jairam Ramesh
L		27 th 5:15 PM	Roundtables (see conference program for details)
K	T08	27 th 5:15 PM Room X	<i>Entropy, Information and Economics - Convenor: Juergen Mimkes</i> <ol style="list-style-type: none"> 1. Serge Galam: Private information, market efficiency and the formation of bubbles:An approach from sociophysics 2. John Bryant: Economics, Thermodynamics and Entropy – parallels, differences and reconciliation 3. Jing Chen: An Entropy Theory of Mind 6. Jason Smith: Maximum entropy and information theory approaches to economics
		27 th 6:15 PM	Refreshments (Student Center, Heritage Hall)
M		27 th 7:30 PM	Sustainable DC – An Evening of Inspiration and Celebration Frances Moore Lappé, Alternative Nobel Prize Recipient and author of <i>Diet for a Small Planet</i>
			June 28
N		28 th 8:45 AM	Parallel Sessions
N	T01	28 th 8:45 AM Room I	<i>Sustaining Food and Water</i> <ol style="list-style-type: none"> 1. Mahadev Bhat: The Role of Veterans in Agriculture and Food Security - Factors Influencing Long-Term Success in Farming 2. Sherrie Godette: Examining the "impact" of local food systems and government intervention in improving local level economic outcomes 3. Nhu-Tuyen Le: Organizational practices, social values and economic measures in Community Supported Agriculture -- a historical overview 4. Yen Dan Tong: Rice intensive cropping and balanced cropping in the Mekong Delta, Vietnam – economic and ecological considerations
N	T04a	28 th 8:45 AM Room II	<i>Transforming Economic Growth and Redefining Economic Measures</i> <ol style="list-style-type: none"> 1. Brent Bleys: Towards methodological standardization of the European alternative measures of economic welfare 2. Natalie Stoeckl: Assessing the value of the ecosystem services by quantifying their contribution to wellbeing - what have we learned and what knowledge gaps remain? 3. Michael Wironen: Making Choices in the Anthropocene - Tools for Assessing Alternatives 4. Tommaso Luzzati: Investigating the relationship between cancer and economic development.
N	T04b	28 th 8:45 AM Room III	<i>Transforming Economic Growth and Redefining Economic Measures</i> <ol style="list-style-type: none"> 1. Steve Hatfield-Dodds: Decoupling social aspirations and economic activity from cumulative ecological impacts - Insights from the DPISR accounting framework 2. Mahbulul Alam: The economics of ecosystem-based adaptation: measurement, valuation and uncertainties 3. Eli Lazarus: Towards a Sustainability Theory of Value 4. Benjamin Held: Alternative Economic Welfare Measurement in Germany – Results and potential role in national sustainability strategies based on the National and Regional Welfare Index:
N	T05a	28 th 8:45 AM Room IV	<i>Social Stability and Economic Behavior</i> <ol style="list-style-type: none"> 1. Garvin Boyle: The Economics of Equity: Insights from Econophysics and the BDY Model 2. Kazuki Kagohashi: Reconsidering the Social Context of Critical Natural Capital 3. Md Rumi Shammin: SWAMPED: Mapping and Measuring Food Access in Cleveland 4. Luis Gustavo Tudeschini: Has rising income in Brazil lead to more energy intensive consumption?
N	T05b	28 th 8:45 AM Room V	<i>Social Stability and Economic Behavior</i> <ol style="list-style-type: none"> 1. Xiaochu Hu: Measuring Economic and Social impacts of UDC Farmer's Market 2. John Sorrentino: Green Amenities, Local Food, and Economic Justice in a large US City 3. Sibananda Senapati: Coping with Climate change and Human Development - an exploration on Bihar India 4. Chandan Jha: Climate change peril on wheat productivity in India: assessing the role of farmers' adaptation in ensuring food security
N	T06a	28 th 8:45 AM Room VI	<i>Public Policy for Local and Global Sustainability</i> <ol style="list-style-type: none"> 1. Phoebe Spencer: Law and Governance for Justice and Sustainability: The Current State and Movement Forward 2. Steve Hatfield-Dodds: Using Adaptive Governance (AG) thinking to address national and global sustainability challenges 3. Joseph S. Weiss, Peter May et al: UN Environmental Policy -- Actors, Trends and the Regulatory Role of the State 4. Michele Friend: A Decision Tool Integrating Environment, Culture and Economy.

N	T06c	28 th 8:45 AM Room VII	<i>Public Policy for Local and Global Sustainability</i> <ol style="list-style-type: none"> Philip Sirianni: Optimal Pollution Taxes when Pollution Damages are Non-Separable Georgia Mavrommati: Ecosystem services tradeoffs on behalf of future generations Naciba Hamed: Exploring environmental performance through innovation practices. A case study applied to a French globalized Firm Vanessa Pérez-Cirera: Food, Water and Energy indicators as proxies of minimum welfare in Mexico's official multi-dimensional poverty measurement
N	T06b	28 th 8:45 AM Room VIII	<i>Public Policy for Local and Global Sustainability</i> <ol style="list-style-type: none"> Alla Pakina: Greening regional economy: case of Buryatia Republic (Russia) Steven Van Passel: Monetary valuation of natural predators for biological pest control in pear production Marije Schaafsma: Comparing individual and group based valuation methods in a developing country context Are Ingulfsvann and Øystein Nysta: Ecovillages - Ecological economics in practice?
N	T07	28 th 8:45 AM Room IX	<i>Ecological Economics Education and Communication</i> <ol style="list-style-type: none"> Jon Erickson and Peter Brown: Education for the Anthropocene David Barkin: Ecological Economics From Below Robert Mohr: Environmental Justice and the Print Media During the Implementation of Superfund Whitney Lash-Marshall: Creating a Culture of Collaboration - Operationalizing Interdisciplinary Research
N	T08	28 th 8:45 AM Room X	<i>Macro-Perspectives - Biophysical Economics - Convenor: Charles Hall</i> <ol style="list-style-type: none"> Robert AYRES: The universe as a heat engine doing work to create natural wealth Libb Thims: Lotka's Jabberwock - On the 'Bio' of BioPhysical Economics"? John Bryant: Economics, Thermodynamics and Entropy – the impact of resources and climate change on economic output Don Chisholm: Post-normal speculation in macro design of a wealth-based economy - Real wealth is a measurement of robust ecology and of the general health and happiness of the people!
O		28 th 10:00 AM	Plenary II: Food and Justice – Renato Maluf, Brazil; Shi Yan, China
		28 th 11:00 AM	Coffee Break
P		28 th 11:15 AM	Roundtables (see conference program for details)
P	T08	28 th 11:15 AM Room X	<i>ASPO (Association for the Study of Peak Oil) - Assessment of Peak Oil - Convenor: Jan Muller</i> <ol style="list-style-type: none"> Jingxuan Feng, Lianyong Feng and Jianliang Wang: Study on the relationship between the peak demand of fossil fuels and economic growth Adrian Wiegman and John Day: Long term forecasts for oil prices - a review of oil supply and energy market models. Cong Dong and Xiucheng Dong: Analysis of the Influencing Factors of the Coal-based Synthetic Natural Gas (SNG) Industry Development in China Based on Structural Equation Model
		28 th 12:15 PM	Lunch During Special Sessions, Workshops and Speed Talks
Q		28 th 12:30 PM	Special Sessions, Workshops and Speed Talks
Q	S01	28 th 12:30 PM Room I	<i>SMART Governance – An Interactive Board Game on Decision Making Regarding the Commons</i> Conveners: Tatiana Kluvankova, Urban Kovac, Eva Streberova, Alfred Kaiser:
Q	S02	28 th 12:30 PM Room II	<i>Getting to One Planet Living: How do we get there? And would we want to live there? - Conveners: Richard S. Levine and Ernest J. Yanarella</i> <ol style="list-style-type: none"> From Best Practices to Multiple Scenario-Building: Recuperating Strong Sustainability Getting from Here to One Planet Living: How to Get There? Would we want to live There? Design Science and the Sustainable City-Region: A Productive New Path for Ecological Economics
Q	S03	28 th 12:30 PM Room III	<i>Ecological Economics Education – Convenor: Regina Ostergaard-Klem</i> <ol style="list-style-type: none"> Regina Ostergaard- Klem, Hawaii Pacific University Kristen Oleson, University of Hawaii at Manoa Christie Klimas, DePaul University Elgloria Harrison, UDC CAUSES
Q	S04	28 th 12:30 PM Room IV	<i>Participatory Research and Public Participation – Convenor: Bernd Siebenhuener</i> <ol style="list-style-type: none"> Bernd Klauer: Public participation and state responsibility in environmental politics Eli Lazarus: Mutualism and competition in economics Bernd Siebenhuener: Conflict and consensus. The limits of transdisciplinary research and participation Brian Witt: Contingent Valuation and Deliberative Valuation - Examining Divergence in WTP Values Generated
Q	S05	28 th 12:30 PM Room V	<i>How Low Impact Development Approaches are Guiding Campus Designs -- Lessons from UDC and UMD. Convenor: Peter May, UMD</i> <ol style="list-style-type: none"> Kamran Zendejdel, UDC CAUSES

			<ol style="list-style-type: none"> 2. Kathy Dixon, UDC CAUSES 3. Christopher Ellis, UMD 4. Lea Johnson, UMD
Q	S06	28 th 12:30 PM Room VI	<p><i>How does our Planet Work? Myths and Realities about Entropy. Convener: Thomas Kakovitch, Kakovitch Industries (KI)</i></p> <ol style="list-style-type: none"> 1. Russ Vane, US Department of Homeland Security 2. Thomas Kakovitch, KI
Q	S07a	28 th 12:30 PM Room VII	<p><i>Regional Case Studies</i></p> <ol style="list-style-type: none"> 1. KV Raju and A Ravindra: Policy Formulation for Transforming the Economy at State Level in India 2. Alexandra Rasoamanana: Can REDD+ social safeguards reach the 'right' people? Lessons from Madagascar 3. Layza Soares: Resources and Impact Decoupling – Evidence from Brazil 4. Alla Pakina: Integrated assessment of social-environmental factors of the transport system development in Astana and Almaty cities (Kazakhstan) 5. Akiyuki Masuda: An analytical model for understanding the relationship between renewable energy and metal consumption – a case study on copper
Q	S07b	28 th 12:30 PM	<p><i>Regional Case Studies</i></p> <ol style="list-style-type: none"> 1. Manoel Soriano: Sustainable Cities Fund: Proposal for designing a financial mechanism for sustainable cities in Brazil 2. Vera Camacho: Valuation of wetland ecosystem services - The case of the Usumacinta Delta, Mexico 3. Olivia Ochoa Alvarez: The Inclusion of Ecosystem Services into Corporate Social Responsibility for the Tourism Sector: SME Hotel Companies in Mexico. 4. Maria Gabriela Gonzales Cruz: Responding to disturbances: lessons from a Mayan social-ecological system
Q	S08	28 th 12:30 PM Room VIII	<p><i>Sustaining Food and Water</i></p> <ol style="list-style-type: none"> 1. Mark Paul: Community Supported Agriculture and Sustainable Farm Livelihoods 2. Eric Houk: Water Transfers from Agriculture: Estimating the Impact of Foregone Production and Aquifer Decline in Northern California 3. Xiaochu Hu: Economic Benefits of Hydroponic and Aquaponic Systems 4. Steven Van Passel: Climate change impact on rain-fed versus irrigated farm systems: what is the threshold? 5. Adriana Bocaiuva: Brazilian water charging system: does decentralized standard setting lead to a "race-to-the-bottom"
Q	S09	28 th 12:30 PM Room IX	<p><i>Policy Transitions – Convener:</i></p> <ol style="list-style-type: none"> 1. Kentaro Yoshida: Estimating averting behaviors on food choices of Japanese consumers after the nuclear power plant accident 2. Thais Oliveira, Marcelo Mazzero and Luciana Almeida: Carbon intensity of the Brazilian and Irish exports - a sectoral analysis 3. Jeffery Weih: Using a virtual portrayal of depleting and polluting to deter earning and spending 4. Benjamin Lopez Ortiz: Environmental regulation in energy sector in NAFTA: diminishing emissions or just a market instrument? 5. Christos Makriyannis: Organic Economics
R		28 th 1:30 PM	Parallel Sessions
R	T01	28 th 1:30 PM Room I	<p><i>Sustaining Food and Water</i></p> <ol style="list-style-type: none"> 1. David Hall: Network analysis of distance from rural water wells to public health testing laboratories in Alberta 2. Salvador Peniche: Water and Health. The impact of regional development growth on water pollution in developing economies -- The case of the Santiago basin, Jalisco México. 3. Michael Wironen: Managing the Scale and Distribution of Nonpoint Source Pollution: Lessons from Agriculture 4. Wondmagegn Tirkaso: Nutrient load impacts on the growth of perch population at the east coast of Sweden 5. Carmen Richerzhagan: Cooperative agreements between farmers and water suppliers addressing diffuse agricultural pollution in Germany
R	T02	28 th 1:30 PM Room II	<p><i>Sustaining Sources and Sinks</i></p> <ol style="list-style-type: none"> 1. Jarkko Levänen and Sara Lindeman: Frugal innovations in circular economy - Exploring possibilities and challenges in emerging markets 2. Emiko Inoue: EU ETS and innovation activity 3. Dries Maes: The shifts of scientific interest in the bio-economy, directing or following policy interests? 4. Robert Engelman: Family Planning and Environmental Sustainability - Assessing the Science
R	T03	28 th 1:30 PM Room III	<p><i>Urban Sustainability and Other Regional Approaches</i></p> <ol style="list-style-type: none"> 1. Daniela Manushevich & Ricardo Gonzalez: Transforming policy, transforming the landscape - socio-ecological land use scenarios for native forest conservation in Chile 2. Benjamin Dube: Forest Restoration, Farmer Livelihoods, and Environmental Regularization - a PAR approach to Ecosystem Services in the Atlantic Rainforest, Southern Brazil 3. Ken Bagstad: Understanding forest ecosystem services flows and public preferences for forest management in Japan

			4. Elissaios Papyrakis: Measuring the trade effect of wood packaging standards on African exports - The case of ISPM15
R	T04	28 th 1:30 PM Room IV	<i>Transforming Economic Growth and Redefining Economics Measures</i> 1. Vanessa Pérez-Cirera: Food, Water and Energy indicators as proxies of minimum welfare in Mexico's official multi-dimensional poverty measurement 2. Jens Stissing Jensen: What future should we count on? How system futures frame the socio-economic assessment of energy investments. 3. Asjad Naqvi: Shifting Technological Progress: A stock-flow consistent framework for induced resource saving technological change 4. Richard Howrath: Society and ecosystem service tradeoffs on behalf of future generations
R	T05	28 th 1:30 PM Room V	<i>Social Stability and Economic Behavior</i> 1. Barbara Robles: Exploring the Gaps in the Gig Economy using a web-based survey 2. Renata Muniz do Nascimento: International Trade in Environmental Technologies -- The participation of China and Brazil 3. Virgile Chassagnon: Exploring environmental performance through innovation practices. A case study applied to a French globalized Firm 4. Madhavi Venkatesan: The Role of Public Private Partnerships in International Food Security
R	T06a	28 th 1:30 PM Room VI	<i>Public Policy for Local and Global Sustainability</i> <i>Legal Institutions and Ecological Economics – Conveners: Volker Mauerhofer, Suvi Borgstrom, and Claas Meyer</i> 1. Volker Mauerhofer and Iasmina Laza: How do Ecosystem Services work in Enforceable Law? Potentials and Pitfalls at Regional and National Scales 2. Suvi Borgstrom: Putting Bio in Bioeconomy – The Role of Law in Developing a Sustainable Bioeconomy in the Finish Forest Sector 3. Claas Meyer: What to Pay for and Why – German Property Rights Regimes and Environmental Governance 4. Lasse Loft: Whose equity matters? National to local equity perceptions in Vietnam's Payments for Forest Ecosystem Services scheme
R	T06b	28 th 1:30 PM Room VII	<i>Public Policy for Local and Global Sustainability</i> 1. Asim Zia: Adaptive Management of Critical Transitions in Social Ecological Systems: Governing Alternate Stable States in Lake Champlain Basin 2. Deepak Malghan, Herman Daly and Joshua Farley: Conservation Reconsidered: Contingent Valuation with an Optimal Scale Constraint 3. Kamaljit Sangha: Transforming the Indigenous economy: opportunities for ecosystems-based enterprises for Indigenous people in northern Australia 4. Carlos Lopez-Morales: On the Replacement Costs of the Aquifer System of Central Mexico
R	T07	28 th 1:30 PM Room VIII	<i>Ecological Economics Education and Communication</i> 1. Paul Safonov: Interdisciplinary Tools in Sustainability Education: Focus on Ecological Economics Modeling and Information Systems 2. Nancy Bertaux: A Practical and Pedagogical Experience with Well-Being Analysis in Cincinnati, Ohio 3. Kamran Zendejdel: Educating youth in urban agriculture and sustainability in Washington DC 4. Manuel Fernandez-Lopez, Are Ingulfsvann: Long-term perspectives in the north of Norway. Beyond the green economy.
R	T08a	28 th 1:30 PM Room IX	<i>Joint EE/BPE Session - Bio-Physical Economics - Money, Capital and Energy Resources – Convener: Jan Muller</i> 1. Eric Kemp-Benedict: Bulk goods as an imperfect abstraction of the physical world 2. Carey King: A Comparison of Return on Investment for Energy -- Power versus Money 3. Jack Alpert: How to Calculate Sustainability 4. Brian Czech: The Trophic Theory of Money for Sound and Sustainable Economic Policy
R	T08b	28 th 1:30 PM Room X	<i>Money, Capital and Energy Resources - Convenor: Jing Chen</i> 1. Kangyin Dong, Renjin Sun and Hui Li: Integrated Circular Economy Evaluation Method of Chinese Refinery Enterprises 2. Serge Galam: Trump phenomena - A Sociophysics View 3. Roger Boyd: Symbiotic Development & Co-Dependency of the Financial and Energy Systems 4. Ram Poudel: Energetics foundation of Statistical Economics
S		28 th 2:45 PM	Plenary III: Water and Justice – Mokgadi Monamati, Botswana; Peter May, Bio-Habitats, US
		28 th 3:45 PM	Coffee Break
T		28 th 4:00 PM	Joint Roundtables and EE/BPE Sessions (see conference program for details)
T	T08a	28 th 1:30 PM Room IX	<i>Joint EE/BPE Session - Modelling Sustainability and Implementation - Convenor: Ke Wang</i> 1. Garvin Boyle: Modeling Inter-Generational Sustainability 2. Garvin Boyle: The Economic Implications of Maximum Power in a Sustainable Society
T	T08b	28 th 1:30 PM Room X	<i>Joint EE/BPE Session - BPE and Developing Nations - Convenor: Adrian Wiegman</i> 1. John Schramski, Garrett Steck and James Brown: Food Security - The Human Food System and the Laws of Thermodynamics

T	T08b	28 th 1:30 PM Room X	<p><i>Joint EE/BPE Session - BPE and Developing Nations - Convenor: Adrian Wiegman</i></p> <ol style="list-style-type: none"> 1. John Schramski, Garrett Steck and James Brown: Food Security - The Human Food System and the Laws of Thermodynamics 2. Naveen Adhikari: Policy implication of air pollution in Kathmandu valley - valuing health cost of being ill 3. Maria Aileen Leah G. Guzman and Jude Anthony N. Estiva: Challenges and Opportunities in Applying the Bio-Physical Economic Model in Developing Countries - A Case Study of Philippines and Timor Leste 4. Confidence Duku: Modeling hydrological services to support food and water security options in Benin, West Africa.
U		28 th 5:00 PM	ISEE Membership Meeting
U	T08	28 th 5:00 PM Room X	<p><i>Integrating BPE and Policy - Convenor: Gail Tverberg</i></p> <ol style="list-style-type: none"> 1. Timothy Wojan: Is Context and Complexity a Bridge Too Far? Metaphors for Infusing Multi-Level Governance in Policy Debates 2. Jessica Lambert and Charles A. S. Hall : Extremism in a Resource Constrained World - How policy is being impacted by biophysical realities 3. John Day, Christopher D'Elia, Adrian Wiegman and Jeff Rutherford: The Energy Pillars Diagram - an effective communication tool for biophysical economists during the energy transition. 4. François-Xavier Chevallerou: Bringing Biophysical Economics to the policy arena - opportunities and challenges
U		28 th 6:15 PM	ISBPE Membership Meeting
V		28 th 8:00 PM	ISEE Awards Banquette and Boulding Lecture
			June 29
		29 th 8:45 AM	Parallel Sessions
W	T01a	29 th 8:45 AM Room I	<p><i>Sustaining Food and Water</i></p> <ol style="list-style-type: none"> 1. Jonas Ngouhouo: Small-Scale Farming based-activities and deforestation in the Tridom Transboundary Sentinel Landscape - Congo Basin 2. Michele Moretti: Integrated sustainability assessment of agro-ecological systems: The case study of the "Alta Murgia" National park in Italy 3. Ryuichi Fukuhara: Water–energy–food nexus and water engineering project in a water scarce region: the Jordan river basin as a case study 4. Claudia Düvelmeyer: Region-specific drivers of and barriers to organic farming in Germany 5. Stowe Beam: National Sustainable Agriculture StandardS
W	T01b	29 th 8:45 AM Room II	<p><i>Sustaining Food and Water</i></p> <ol style="list-style-type: none"> 1. Oscar Sarcinelli and Ademar Romeiro: Cost effectiveness analysis of some ecological practices for soil and water conservation on the Cantareira Water Supply System, São Paulo, Brazil 2. Srinivasan Jeena Thathamath: Groundwater irrigation and sustainable intensification of agricultural production systems: A study with special reference to spatial variability in groundwater availability at a river basin level in India 3. Chandraskhara Rao N: Farm size heterogeneity, access to groundwater resources and its use: Implications for sustainable groundwater governance in India 4. Ines Dombrowsky: Governing the Water-Energy Nexus related to hydropower on international rivers – the role for river basin and regional energy organizations?
W	T02	29 th 8:45 AM Room III	<p><i>Sustaining Sources and Sinks – Convener: Hana Nielsen</i></p> <ol style="list-style-type: none"> 1. Hana Nielsen: Energy Efficiency and the Productivity Race in Industry (1870-1935) 2. Cristián Ducoing Ruiz: Energy Prices and Technology Adoption – Sweden and Britain in Historical Perspective 1700 -1900 3. Sofia Henriques: Energy Transition in the City: Lisbon in a Long-term Perspective 4. Dimitrios Theodoridis: Which Periphery Mattered? An Ecological Assessment of the Role of Trade during the 19th Century
W	T04a	29 th 8:45 AM Room IV	<p><i>Transforming Economic Growth and Redefining Economic Measure</i></p> <ol style="list-style-type: none"> 1. Barbara Muraca: Capitalism without Growth or Degrowth beyond Capitalism? 2. Ann-Katrin Blankenberg: Being sufficient - being happy? 3. Stanislav Shmelev: Multidimensional Assessment of Sustainability -- Harmony versus the Turning Point 4. Sigrid Stagl: What Ecological Economists can learn from Karl Polanyi
W	T04b	29 th 8:45 AM Room V	<p><i>Transforming Economic Growth and Redefining Economic Measures</i></p> <ol style="list-style-type: none"> 1. Yuki Yoshida: Accounting Wealth in a Socio-Ecological Production Landscape: Regional application of the Inclusive Wealth Index in Japan 2. Rakesh Saxena: Income and Environmental Performance across Indian States and Union Territories -- A Regression Analysis 3. Carlos EF Young , Bianca S. de Castro: Ecosystem services in Brazil: regional distribution and economic costs for conservation and restoration.

W	T04c	29 th 8:45 AM Room VI	<i>Transforming Economic Growth and Redefining Economic Measures</i> <ol style="list-style-type: none"> 1. Corinne Pastoret: Degrowth, banks and ecological constraints to endogenous money theory. 2. Rosimeiry Portela: The Natural Capital Protocol: Supporting a new economic paradigm where businesses account natural capital and manage production accordingly. 3. Mahbubul Alam: Monetary valuation for ecosystem accounting: experiences from a pilot project in San Martín, Peru 4. Suzie Greenhalgh: Ecosystem service approaches to sustainably manage terrestrial landscapes
W	T05	29 th 8:45 AM Room VII	<i>Social Stability and Economic Behavior</i> <ol style="list-style-type: none"> 1. Alexander Rincon-Ruiz: Biodiversity, ecosystem services and social-environmental conflict in Colombia 2. Stefania Tonin: The value of improving biodiversity in the rocky habitats ecosystem by removing ALDFG 3. Carina Goldbach: Is environmental change a primary cause of migration? Empirical evidence from flood-prone communities in Ghana and Indonesia. 4. Nina Janasik-Honkela: Rethinking Agreement --Reflections on the Implications of Nudging Experiments
W	T06	29 th 8:45 AM Room VIII	<i>Public Policy for Local and Global Sustainability</i> <ol style="list-style-type: none"> 1. Rita Lopes: Articulating ecosystem services values: A participatory framework to support decision-making 2. Eduardo Garcia-Frapolli: Responding to disturbances: lessons from a Mayan social-ecological system 3. Felix Olorunfemi: Socio-political dimensions and stakeholders responses to failed Chinese hydropower dam in Nigeria 4. Irene Blanco-Gutiérrez and Consuelo Varela-Ortega: Participatory scenario development to explore the future of the agro-forestry systems in the Bolivian Amazon 5. Consuelo Varela-Ortega and Irene Blanco-Gutiérrez: Identifying policy options for achieving sustainability in social-ecological systems of Amazonian regions
W	T07	29 th 8:45 AM Room IX	<i>Ecological Economics Education and Communication – Convener: Jonathan Harris</i> <ol style="list-style-type: none"> 1. Jonathan Harris: Teaching Ecological Economics: Climate, Water, and Energy 2. David Timmons: Teaching Institutional Decarbonization Economics 3. Anne-Marie Codur: Economics and Politics of Water 4. Christie Klimas: Opportunities for incorporating the economy-environment interdependence in the undergraduate curricula
W	T08	29 th 8:45 AM Room X	<i>Wealth Dynamics - Statistical/Mathematical Economics - Convenor: Michael Carbajales-Dale</i> <ol style="list-style-type: none"> 1. Bruce Boghosian: Why Wealth Concentrates 2. Victor Yakovenko: Statistical Economics - Probability distributions of money, income, and energy consumption. 3. Don Chisholm: Dynamic regulation of human-activity through socio/biophysical economics 5. Carey King: Mathematics and logic of Net Energy Assessments
X		29 th 10:00 AM	Plenary IV: The Food Water Energy Justice Nexus – Gar Alperovitz
		29 th 11:00 AM	Coffee Break
		29 th 11:15 AM	Parallel Sessions
Y	T01a	29 th 11:15 AM Room I	<i>Sustaining Food and Water</i> <ol style="list-style-type: none"> 1. Bernd Klauer: How do we like our waters to be? 2. Sergey Kirillov: Water quality management in the Lake Baikal region of Russia 3. Marzieh Motallebi: A Holistic View to Water Quality Trading Program in Jordan Lake, North Carolina 4. Ariel Akron: Can interbasin water transfer for stream restoration be economically justified? The case of the Ayun Nature Reserve, Israel
Y	T01b	29 th 11:15 AM Room II	<i>Sustaining Food and Water</i> <ol style="list-style-type: none"> 1. Charalampos Konstantinidis: Food Insecurity in the Time of Austerity -- The Case of Greece 2. Laura Schmitt Olabisi: Explaining Agricultural Technology Adoption using Choice Experiments and System Dynamics 3. Susanne Stoll-Kleemann: The feasibility of shifting diets towards just food systems and global sustainability -- a review of influence factors 4. Sherrie Godette: Local food systems, Food Deserts, and Market Failure 5. Lili Jia and Hamish Low: The intrinsic food price -- A new metric for global food policy
Y	T02a	29 th 11:15 AM Room III	<i>Sustaining Sources and Sinks</i> <ol style="list-style-type: none"> 1. Eva Cudlinova: Critical Analysis of Bioeconomy as a New Way for a More Effective and Environmental Friendly Energy Supply 2. Joao Pedro Gouveia: Fuel Poverty vs. Fuel Obesity -- what smart meters tell us 3. Claudia Kettner: Indicators for Sustainable Energy Development for Austria (ISED-AT) -- Residential buildings and electricity and heat supply 4. Yu-li Ko: Innovator's Profit at Risk -- Findings from the Photovoltaic Industry between 1954-2015
Y	T02b	29 th 11:15 AM Room IV	<i>Sustaining Sources and Sinks</i> <ol style="list-style-type: none"> 1. Richard Levine: Urban Sustainability and Ecological Economics

Y	T02b	29 th 11:15 AM Room IV	<p><i>Sustaining Sources and Sinks</i></p> <ol style="list-style-type: none"> 1. Richard Levine: Urban Sustainability and Ecological Economics 2. Mousami Prasad, Trupti Mishra, Varadraj Bapat: Eco-efficiency of Metal sector: An application of Output Distance Approach in the Indian Context 3. Shouvik Chakraborty: Egalitarian Green Growth Programme for India
Y	T04a	29 th 11:15 AM Room V	<p><i>Transforming Economic Growth and Redefining Economic Measures</i></p> <ol style="list-style-type: none"> 1. Andrea Ghermandi: Understanding and Valuing the Marine Ecosystem Services of the Northern Mozambique Channel 2. Yifei Zhang: Residents' Welfare Evaluation for the Ecological Restoration of Landscape River in Suzhou, China 3. Ralf Doering: New developments in fisheries management – moving towards sustainable food systems? 4. Mateo Cordier: A dynamized Input-Output Economic Model Integrated within a System Dynamics Ecological Model - applying feedback loop methodology to fish nursery restoration
Y	T04b	29 th 11:15 AM Room VI	<p><i>Transforming Economic Growth and Redefining Economic Measures</i></p> <ol style="list-style-type: none"> 1. Kirsten Oleson: Using ecosystem service valuations to inform management and adaptation -- A case study of the Velondriake Locally Managed Marine Area in Madagascar 2. Asjad Naqvi: Social welfare in a growth model with greenhouse gases and contemporaneous externalities 3. Joe Ament: Asset Prices, Growth, and Inequality 4. Stowe Beam: The Urgency of Updating Our Climate Accounting
Y	T04c	29 th 11:15 AM Room VII	<p><i>Transforming Economic Growth and Redefining Economic Measures – Convenor: Bernardo Aguilar-González</i></p> <ol style="list-style-type: none"> 1. Bernardo Aguilar-González: Links between social metabolism and environmental conflict – Evidence from Central America and Andean Countries 2. Luciano Togeiro: Resource and Impact Decoupling – Evidence from Brazil 3. Joan Martinez-Alier: Mapping and Analyzing Ecological Distribution Conflicts
Y	T05	29 th 11:15 AM Room VIII	<p><i>Social Stability and Economic Behavior</i></p> <ol style="list-style-type: none"> 1. Shouvik Chakraborty and Robert Pollin: Egalitarian Green Growth Programme for India 2. Roger Martin and Jane O'Sullivan: The Cost of Population Growth in the UK 3. Benjamin Held: Internalizing external costs of private consumption – socially compatible or not? An income-related analysis for Germany 4. David Courard-Hauri: Beyond Limits -- Ecological Economics in an Age of Partial Abundance
Y	T08a	29 th 11:15 AM Room IX	<p><i>Joint EE/BPE Session - Bio-Physical Economics - Modeling Sustainability and Implementation</i></p> <ol style="list-style-type: none"> 1. Garvin Boyle: Sustainability and Social Justice - How Do We Make These Goals Compatible? 2. Joshua Farley: Before feeding 9 billion 3. Benjamin Lopez Ortiz: Energy transitions in Energy primary consumption in NAFTA: a Markov's Chains Analysis 4. Thomas Measham: A Conceptual framework of regional socio-economic impacts comparing conventional and unconventional fossil fuel extraction
Y	T08b	29 th 11:15 AM Room X	<p><i>BioPhysical Resource Analysis and Modeling - Convenor: Lianyong Feng</i></p> <ol style="list-style-type: none"> 1. Becky Haney, John Sherwood, Michael Carbajales-Dale, Loren Haarsma, and Anthony Ditta: Resource Depletion and Sustainability in Industrialized Economies 2. Safa Motesharrei, Jorge Rivas, and Eugenia Kalnay: Human and nature dynamics (HANDY) - Modeling inequality and use of resources in the collapse or sustainability of societies 3. Michael Carbajales-Dale: Lifecycle assessment and net energy analysis - birds of a feather or uneasy bedfellows?
Z		29 th 12:30 PM	<p>Closing Plenary Panel: The Future of Ecological Economics Why do we need Ecological Economics and what characteristics do we need? Reflections on Bio-Physical and Social Context</p> <ul style="list-style-type: none"> o Madame Lagarde, International Monetary Fund (invited); o Kathleen Merrigan, Executive Director of Sustainability at George Washington University and former U.S. Deputy Secretary of Agriculture o Clovis Cavalcanti, President Elect, ISEE

Sunday, June 26, Field Trips:

- The UDC Urban Food Hubs Solution; Visits to DC Neighborhoods
- The UDC Firebird Farm, Urban Agriculture and Urban Sustainability
- The UDC Van Ness Campus; Urban Sustainability through Green Campus Infrastructure
- Urban Forestry and Recreation at DC Rock Creek Park
- The National Arboretum

- The National Mall, Washington DC and its Symbols
- Hillwood Estate