Poster Session 3

Key event: Global Scenarios

The Perils of Global Boundary Scenarios
M. Charlesworth (1) presenting; Keele University, UK (1)

Low carbon mobility futures programme
A. Wilkinson (1), A. Williams (1) presenting, A. O’Sullivan Darcy (1), C. Carey (1); University of Oxford, UK (1)

Session: Local Biodiversity

The effect of public expenditures on deforestation: The case of Mexico
S. Guerrero (1) presenting, A. Blackman (1); Banco de Mexico, Mexico (1), Resources for the Future, USA (2)

Session: New Strategies

Adjusting to the new energy realities of the second half of the age of oil
C. Hall (1) presenting, S. Balogh (1), M. Arnold (1), A. Poisson (1); SUNY Env. Science and Forestry, USA (1)

Session: Equity and Equality

Land sales pressure and agro-environmental transformations in Glo-Djigbe, a rural district in South Benin
Y.Z. MAGNON (1) presenting; Centre Population et Développement (CEPED), France (1)

Operationalising equity in national legal frameworks for REDD+: the case of Indonesia
C. Ituarte-Lima (1) presenting, C. McDermott (2); United Nations University Institute of Advanced Studies (UNU-IAS), Japan (1), University of Oxford, UK (2)

Rethinking distributive justice for sustainable development governance
G. Meskens (1) presenting; University of Ghent, Belgium (1)

Class, Inequality and Climate Change Dynamics in India
K. Michael (1) presenting, V. Vakulabaranam (1); University of Hyderabad, India (1)

Securing a sustainable and equitable future through one planet living
S. Riddlestone (1) presenting, P. Desai (1); BioRegional, UK (1)

CONVERGENCE as a principle for policy making
I. Roderick (1) presenting; Schumacher Institute for Sustainable Systems, UK (1)
Defining equity: a framework for evaluating equity in the context of ecosystem services
M. McDermott (1), S. Mahanty (2), K. Schreckenberg (3) presenting; Rutgers University, USA (1), Australian National University, Australia (2), University of Southampton, UK (3)

Equalising the Inequities in Urban Basic Services Provision to Effectively Channelize Social Development: a Case in Point
N. SHARMA (1) presenting; GOVERNMENT SCHOOL OF EDUCATION, India (1)

Climate Change and Global Justice: Equity for Developing Countries and Industrialized Countries towards Sustainability
C-W. Shyu (1) presenting; Department of Political Science, National Chung-Cheng University, Taiwan (1)

Session: Challenges and Integration

Delivering World Class Collaboration and Interdisciplinary Research - A Case Study of the Research Councils’ UK Rural Economy and Land Use Programme.
P. Rouse (1) presenting, J. Phillipson (1); Economic & Social Research Council, UK (1), University of Newcastle, UK (2)

Session: Marine-ecosystems

Constituency, Capacity, and Conservation: Enabling community-based marine stewardship for resource use and conservation
A. DeWan (1), P. Butler (1) presenting, D. Hayden (1), K. Green (1); Rare, USA (1)

Informatics approaches as basis for integrating science and governance across scales in complex networks of large marine ecosystems.
P.A. Fox (1) presenting, H. Batchelder (2), S.J. Lawrence (3), O. Young (4); RPI, USA (1), Oregon State Univ., USA (2), unaffiliated, USA (3), UC Santa Barbara, USA (4)

Toward A Global Large Marine Ecosystem Sustainability-Science Learning and Knowledge Network: Defining New Partnerships, Creating New Opportunities
S.J. Lawrence (1) presenting; Independent Consultant, USA (1)

Understanding the interaction between marine information production and policy-making processes
S-S. Soomai (1) presenting, E-M. De Santo (1), P-G. Wells (1), B-H. MacDonald (1); Dalhousie University, Canada (1)

Mapping biodiversity knowledge flows within Europe
M. Vandewalle (1) presenting, J. Hauck (1), A. Berhault (2), E. Balian (2), C. Kugel (1), C. Neßhöver (1); UFZ - Helmholtz Centre for Environmental Research, Germany (1), Royal Belgian Institute of Natural Sciences, Belgium (2)

Why cooperation is better? The gains of cooperative management of the Argentine shortfin squid fishery in South America
S. villasante (1) presenting, R. Sumaila (1), M. Antelo (1); University Santiago de Compostela, Spain (1)

Marine protected area as a social-ecological system: a case of a MPA design in small islands in southern Penghu archipelago, Taiwan
C.C. Wu (1) presenting; Center for Development Research (ZEF), Germany (1), Center for Tropic Marine Ecology (ZMT), Germany (2)
Session: Climate Change Adaptation

Reducing Vulnerabilities of Climate Change: Bangladesh’s policies reforms towards better national agricultural policy and food security
M. E. Akhter (1) presenting; Institute of governance Studies, BRAC University, Dhaka, Bangladesh (1)

Climate adaptation barriers and opportunities in the United States: A focus on policy and decision making at the sub-national scale
L. Dilling (1) presenting; University of Colorado Boulder, USA (1)

Tracking climate change adaptation activity in Australian organisations.
J. Gardner (1) presenting; CSIRO, Australia (1)

The employment and workplace impacts of climate change policy
P. Glynn (1) presenting, R. Taplin (1); Bond University, Australia (1)

Social Learning and Adaptive Management as Answers to Future’s Uncertainty - Results from Northwestern Germany
T. Grothmann (1,3) presenting, B. Siebenhüner (1), M. Winges (1), K. Grecksch (1), H. Garrelts (2), M. Flitner (2); Oldenburg University, Germany (1), Bremen University, Germany (2), Potsdam Institute for Climate Impact Research, Germany (3)

Local planning for adaptation: the state of policy and actions in Canada
K.S. Hanna (1) presenting, A. Dale (2), P. Filion (3), M. Seasons (3), C. Ling (2); Wilfrid Laurier University, Canada (1), Royal Roads University, Canada (2), University of Waterloo, Canada (3)

The CLIMSAVE Integrated Assessment Platform: A tool to build the capacity of decision-makers to adapt to climate change
P.A. Harrison (1) presenting, A. CLIMSAVE Partners (2); Environmental Change Institute, University of Oxford, UK (1), See www.climsave.eu, Belgium (2)

Farming communities’ adaptation to climate change in developing countries
S.M. Hashemi (1,2) presenting, S.M. Hosseini (1), H. Movahed Mohammadi (1); Department of Agricultural Extension and Education, College of Agriculture, University of Tehran, Karaj, Iran (1), Iran’s National Elites Foundation, Tehran, Iran (2)

Derivation of a household-level vulnerability index for climate change and adaptation studies
A. Notenbaert (1), S. Karanja (1), M. Herrero (1) presenting; International Livestock Research Institute, Kenya (1)

Adaptation to Climate Change: The Way Forward for Sustainable Agriculture in Pakistan
K.M.J. Iqbal (1) presenting, M.I. Khan (2); Sustainable Development Policy Institute (SDPI), Islamabad, Pakistan (1), International Islamic University, Islamabad, Pakistan (2)

How Adaptation Action Can Be Hindered By Limits To A Community’s Adaptive Capacity
A. Dowd (1) presenting, E. Gaillard (1), S. Park (1); Commonwealth Scientific and Industrial Research Organisation (CSIRO), Australia (1)

Delivering Climate Services: The German Experience
E. Keup-Thiel (1) presenting, P. Bowyer (1), B. Hennemuth (1); Climate Service Center, Helmholtz-Zentrum Geesthacht, Germany (1)
Effect of Elevated Temperature on Gene Expression of Bovine Embryos
L.S.A. Camargo (1) presenting, F. Paludo (2), S. Wohires-Viana (3), M.M. Pereira (3), C.C.R. Quintao (1), J.H.M. Viana (1); *Embrapa Dairy Cattle, MG, Brazil* (1), *Unifenas, MG, Brazil* (2), *UFJF, MG, Brazil* (3)

Cognitive adaptation to climate change
A. Lammel (1) presenting, E. Guillen Gutierrez (1), E. Dugas (1); *Université de Paris VIII Saint-Denis, France* (1)

Sub-national governance for climate change in the United States: prospects translating knowledge into action under conditions of uncertainty
E. Lindquist (1) presenting; *Texas A&M University, USA* (1)

Towards an integrated and holistic conception of adaptive capacity to climate change
A. Magnan (1) presenting; *IDDRI (Sciences Po), France* (1)

Public perceptions of uncertainty in climate model predictions as barriers to mitigation policy
R. Mancy (1) presenting, J. Earnest (1), A. Koletsou (1); *University of Glasgow, UK* (1)

Community-based Adaptation Tools in the SIDS area. Fieldwork Experience from Tonga Islands
S. Mavrogenis (1) presenting, I. Kielman (2,3); *Panteion University of Athens, Greece* (1), *CICERO (Center for International Climate and Environmental Research - Oslo), Norway* (2), *Many Strong Voices, Norway* (3)

Gap analysis in adaptation strategies in West Africa
C-M. MBOW (1) presenting; *University Cheikh Anta Diop-Dakar, Senegal* (1)

Adapting under pressure - progress and parallels from two rapidly developing cities in South East Asia
M.P. Inman (1), S. Meharg (1) presenting, D.G.C. Kirono (1), M. Nguyen (1), N.H. Trung (2), R.A. Barkey (3); *Climate Adaptation Flagship, CSIRO, Australia* (1), *DRAGON Institute of Climate Change Research, Can Tho University, Viet Nam* (2), *Research Centre for Climate Change Impacts in Eastern Indonesia, Hasanuddin University, Indonesia* (3)

Health adaptation to climate change

Climate variability and change or multiple stressors? Farmer perceptions regarding threats to livelihoods in Zambia

Vulnerability and adaptation to climate change: Pastoralists and Agro-pastoralist in West Pokot County, Kenya

Planning for climate change adaptation: learning from ‘early mover’ cities
J. Carter (1) presenting; *University of Manchester, UK* (1)
Global perspectives and local impacts: farmers climate change perceptions and adoption of agricultural mitigation and adaptation practices in Yolo County, California
M.T. Niles (1) presenting, V.R. Haden (1), M.N. Lubell (1), L.E. Jackson (1); University of California, USA (1)

Evidence-based adaptation strategies in East Africa
P.J.M. Cooper (1), R. Stern (1,2), M. Noguer (1) presenting, J.M. Gathenya (1); Walker Institute, University of Reading, UK (1), Statistical Service Centre, University of Reading, UK (2)

The health and social dimensions of resilience
R. Nunes (1,2) presenting, N. Adger (1,2), M. Hulme (1), I. Lorenzoni (1), I. Lake (1); University of East Anglia, UK (1), Tyndall Centre for Climate Research, UK (2)

Adapting to extreme weather events: perspectives of social actors
E. Vasileiadou (1), W. Hazeleger (2), E. Min (2), M. Hisschemöller (1), A.C. Petersen (1,3) presenting; Institute for Environmental Studies, VU University Amsterdam, The Netherlands (1), Royal Netherlands Meteorological Institute, The Netherlands (2), Netherlands Environmental Assessment Agency, The Netherlands (3)

Experiences and challenges for climate adaptation in the grassland dominated Inner Mongolia Autonomous Region, China
J. Qi (1,9) presenting, D. Ojima (2), F. Du (3), M. Wang (4), X. Pan (5), L. Ai (8); Michigan State University, USA (1), Colorado State University, USA (2), Inner Mongolia University, China (3), Inner Mongolia Agricultural University, China (4), China Agricultural University, China (5), Inner Mongolia Academy of Social Sciences, China (6), University of Toledo, USA (7), Institute of Atmospheric Physics, Chinese Academy of Sciences, China (8), Zhejiang University, China (9)

Using A Market Mechanism To Prioritize Climate Adaptation and Enhance Adaptive Capacity
K.H. Schultz (1) presenting, M.R. Mader (1), B. Tapley (1), L.M. Adler (1); The Higher Ground Foundation, UK (1)

Solving the problem of how to solve problems: planning in a climate of change
D. Romney (1), E. Boa (2), R. Day (1), E. Negussie (1), R. Reeder (2), A. Rehman (3), S. Simons (1) presenting; CAB International (CABI), Kenya (1), CAB International (CABI), UK (2), CAB International (CABI), Pakistan (3)

A Synthesis on Impacts of Coral Bleaching, Recovery Trends and Management in Thailand
M. Sutthacheep (1) presenting, V. Mantachitra (2), S. Plathong (3), P. Nuclear (4), W. Klinthong (1), T. Yeemin (1); Marine Biodiversity Research Group, Ramkhamhaeng University, Thailand (1), Burapha University, Thailand (2), Prince of Songkla University, Thailand (3), Rajamangala University of Technology Krungthep, Thailand (4)

Pragmatic adaptation strategies to water insecurity using groundwater
R.G. Taylor (1) presenting, C. Tindimugaya (2), L. Kongola (3), A. Zahid (4), R. Calow (5), A. MacDonald (6); University College London, UK (1), Ministry of Water and Environment, Uganda (2), Ministry of Water and Irrigation, Tanzania (3), Bangladesh Water Development Board, Bangladesh (4), Overseas Development Institute, UK (5), British Geological Survey, UK (6)

Probabilistic assessment of climate change impacts on crop yields
T.R. Carter (1) presenting, R.P. Rötter (2), S. Fronzek (1), N.K. Pirttioja (1); Finnish Environment Institute (SYKE), Box 140, FI-00251 Helsinki, Finland (1), MTT Agrifood Research Finland, Lõnnrotinkatu 5, FI-50100 Mikkeli, Finland (2)
Assessing Climate Change Risks on Agricultural Production in Developing Countries: Implication for Participatory Planning and Adaptive Measures in Benin
O. Teka (1) presenting, G-L. Houessou (1); Laboratory of Applied Ecology, University of Abomey-Calavi, Benin (1)

Infectious Diseases: A need of Public awareness and education
B.N. TRIPATHI (1) presenting; Indian Education Society's Management College and Research Center, India (1)

Adaptation to climate change of winter durum wheat and tomato in Southern Italy
D. Ventrella (1) presenting; Agricultural Research Council – Research unit for cropping systems in dry environments, Italy (1)

Adaptive mechanisms of an Indonesian coastal community dependent on a declining natural resource: A longitudinal investigation.
H. Webber (1) presenting; King's College London, UK (1)

Adaptation to climate change in South East Queensland: a framework for dealing with uncertainty
F. Crick (1) presenting, S. Serrao-Neumann (1), D. Low Choy (1), S. Baum (1), B. Harman (1), M. Sano (1); Griffith University, Australia (1)

Uncertainty and climate adaptation policy development in China: the experience of the ACCC Project
M. Li (1), E. Cuccillato (1) presenting, Y. Yin (1), R. Street (2), R. Jones (3), W. Guoqing (4), P. Xuebiao (5); Adapting to Climate Change in China, China (1), UK Climate Impacts Programme, UK (2), UK Met Office, The Hadley Centre, UK (3), Najing Hydraulic Research Institute, China (4), Chinese Agricultural University, China (5)

Experience in urban adaptation and resilience: a systems based approach
S. Kernaghan (1), J. da Silva (2) presenting, A. Luques (3); Arup International Development, Thailand (1), University of Durham, UK (2), Arup International Development, UK (3)

Creating Climate-Ready Conservation Management Strategies For Urban Areas In The Chicago Wilderness Region
A. Derby Lewis (1) presenting, R. Moseley (2), D. Stotz (1), K. Lah (3), L. Ross (2,1); The Field Museum, USA (1), The Nature Conservancy, USA (2), US Fish and Wildlife Service, USA (3), Chicago Wilderness, USA (4)

Session: Communicating Climate Change

Breaking the Deadlock: New approaches for climate change communication
A. Corner (1,3) presenting, G. Marshall (1), R. Hawkins (2); Climate Outreach & Information Network, UK (1), Public Interest Research Centre, UK (2), Cardiff University, UK (3)

3E – PlanetEarth Concept for Sustainable Development
Khalid A. Al-Thour Professor of Geology & Environment Department of Earth & Environmental Sciences Sana’a University Republic of Yemen sa.iype@gmail.com
K. Al-Thour (1) presenting; Sana’a University, Yemen (1), Yemen Planet Earth National Committee, Yemen (2)

Where to draw the line: understanding responses of Australian coastal communities to sea level rise adaptation policies.
K.S. Alexander (1) presenting, A. Ryan (2), R. Gorddard (1), R. Wise (1), A. Leitch (1); CSIRO, Australia (1), ANU, Australia (2)

Databasin.org: Communicating climate change information to conservation practitioners who need it
A watershed committee’s perception of climate change in north-eastern Brazil
A.C.F.M. Braga (1) presenting, C.F.C. Braga (1); Federal University of Paraiba, Brazil (1), Federal University of Campina Grande, Brazil (2)

Climate services: Two-way exchanges between science and society
G.P. Brasseur (1,2) presenting; Climate Service Center, Germany (1), National Center for Atmospheric Research, USA (2)

Competing accounts of climate change science: interviews with a sceptic and an advocate
P. Callaghan (1) presenting, M. Augoustinos (1); University of Adelaide, Australia (1)

Perceptions of anthropogenic climate change: Beyond dichotomous conceptualisations of concern
P. Callaghan (1) presenting, M. Augoustinos (1); University of Adelaide, Australia (1)

Beyond skepticism: trust and engaged educational models for transforming agricultural and community decision-making in the face of climate uncertainty in the rural U.S. Central Great Plains
B. Champion (1) presenting, J. Harrington (1); Kansas State University, USA (1)

Narratives and numbers: useful information for adaptation in Australia
L. Coulter (1,2) presenting, A. Penny (1); National Climate Change Adaptation Research Facility (NCCARF), Australia (1), Griffith University, Australia (2)

Farm-level vulnerability to climate change in eastern New Zealand in the context of multiple stressors.
N.A. Cradock-Henry (1) presenting; University of Canterbury, New Zealand (1)

Communicating climate change as a quest and dealing with stakeholders' scams, contests and downfalls.
S. Downing (1) presenting; University of Reading, UK (1)

The Climategate-issue in Norway: uncertainties and controversies in Norwegian press coverage of climate change.
K. Duarte (1) presenting; University of Bergen, Norway (1)

Linguistic and discursive perspectives on climate change knowledge
K.F. Floettum (1) presenting; University of Bergen, Norway (1)

Ice2sea Stakeholder Review
E.A.K. Ford (1) presenting, D.G. Vaughan (1); British Antarctic Survey, UK (1)

Communication for Encouraging Mitigation of and Adaptation to Climate Change
T. Grothmann (1) presenting; Potsdam Institute for Climate Impact Research, Germany (1), Oldenburg University, Germany (2)

Older People and Climate Change: The Case for Better Engagement
G. Haq (1) presenting, D. Brown (2); Stockholm Environment Institute, UK (1), Retired and Senior Volunteer Programme, UK (2)

The Role of a New Type of Education in Climate Change Mitigation
M. Hernandez (1) presenting; CEGESTI Foundation, Costa Rica (1), Latin University of Costa Rica, Costa Rica (2)

Climate change information: overcoming perceived barriers to change and reinforcing sustainable travel behaviour  
C. Howarth (1) presenting; Global Sustainability Institute, Anglia Ruskin University, UK (1)

Lights, camera... action? Stages of behavioural change and the impact of the climate change film The Age of Stupid  
R.A. Howell (1) presenting; The University of Edinburgh, UK (1)

From Khapi to Copenhagen: how some andean villagers became world famous climate migrant figures  
R.K. Kaenzig (1) presenting; Université de Neuchâtel, Switzerland (1)

What is done and required to get adapted to climate change?  
C. Katz (1) presenting; Leuphana University, Germany (1)

Which adaptation? How coastal dwellers deal with flood risk and adaptation.  
J. Koerth (1) presenting, A.T. Vafeidis (1), J. Hinkel (2,3), H. Sterr (1); Coastal Risks and Sea-Level Rise Research Group, Future Ocean Excellence Cluster, Department of Geography, Christian-Albrechts-University Kiel, Ludewig-Meyn-Str. 14, 24098 Kiel, Germany (1), Potsdam Institute for Climate Impact Research (PIK), P.O. Box 601203, 14412 Potsdam, Germany (2), European Climate Forum e.V. (ECF), Research Process: Adaptation and Social Learning, P.O. Box 600648, 14406 Potsdam, Germany (3)

Using efficacy and outcome expectancy distinctions to achieve richer climate change communication.  
A. Koletsou (1) presenting, R. Mancy (1); University of Glasgow, UK (1)

Climate information as an object of economic research: state and perspectives  
M. Ludolph (1) presenting, P. von Flotow (1); Sustainable Business Institute, Germany (1)

Communication Content and its Implications on Local Responses to Conservation Initiatives  
A.A. Ogunjinmi (1) presenting, S.A. Onadeko (2), I.O.O. Osunsina (2); Federal University of Technology, Akure, Nigeria (1), University of Agriculture, Abeokuta, Nigeria (2)

Supporting agricultural innovation in uganda to respond to climate risk: linking climate change and variability with farmers’ perceptions  
H. Osbahr (1) presenting, P.T. Dorward (1), R.D. Stern (1), S.J. Cooper (1); University of Reading, UK (1)

Addressing ‘climate change fatigue’ through experiential learning  
R. Phillips (1) presenting; Earthwatch, UK (1)

Risk Communication and Climate Change Governance: An Institutional Proposal  
N. Pidgeon (1) presenting, B. Fischhoff (1); Cardiff University, UK (1), Carnegie Mellon University, USA (2)

Saying it in mother tongue  
J. RIAAGA (1) presenting; KEMRI/CDC, Kenya (1)

Gender and Climate Change in North South Media- A Comparatively Analysis of Pakistani and New Zealand Newspapers  
Z. Shaheen (1) presenting; University of the Punjab, Pakistan (1)
Creative Climate: Supporting environmental understanding and action online
J. Smith (1) presenting, M. Brandon (1); The Open University, UK (1)

Communicating climate change: from awareness to action
A.K. Snover (1) presenting, L.C. Whitley Binder (1), N.J. Mantua (1,2), J.S. Littell (1), A.F. Hamlet (1,3); Climate Impacts Group, University of Washington, USA (1), School of Aquatic & Fishery Sciences, University of Washington, USA (2), Dept. Civil & Environmental Engineering, University of Washington, USA (3)

Unpacking Human Enterprise and Communicating with the Public
D. Taylor (1) presenting; Hofstra University, USA (1)

From knowledge to action - empowerment in and by dealing with climate change
A. Tharan (1) presenting; Independent Institute for Environmental Issues (UIU), Germany (1)

Communicating climate change in the 2010s: the journey and ‘are we there yet?’
S. Torok (1) presenting, A. Leitch (1), B. Creagh (1), P. Ashworth (2); CSIRO Environment Group Communication, Australia (1), CSIRO Science into Society Group, Australia (2)

The effectiveness of different visualizations in communicating natural resource management issues
S.P. Turner (1) presenting; Michigan State University, USA (1)

Psychological barriers to and opportunities for public engagement with climate change
L. Whitmarsh (1) presenting; Cardiff University, UK (1)

QUANTIFICATION SCALE FOR QUALITATIVE TERMS IN TRADITIONAL WEATHER KNOWLEDGE
V. MURTHY (1); ANGR Agricultural University, India (1)

Session: Forest Futures

Estimating Aboveground Forest Carbon Increment Based on Inventory (Permanent Sample Plots) in Tropical Mangrove Forests
H. Krisnawati (1) presenting, W. Adinugroho (1); Forestry Research and Development Agency, Indonesia (1), Samboja Forest Research Institute, Indonesia (2)

Forest-Cover Changes Following Socio-Economic Changes in the Temperate Zone of European Russia
M. Baumann (1) presenting, M. Ozdogan (1), V.C. Radeloff (1); University of Wisconsin-Madison, USA (1)

Using volunteers to monitor forest carbon stocks and dynamics
D-P. Bebber (6,2) presenting; Smithsonian Environmental Research Center, USA (1), University of Oxford, UK (2), Sociedade de Pesquisa em Vida Selvagem e Educação Ambiental, Brazil (3), Indian Institute of Science, India (4), Chinese Academy of Sciences, China (5), Earthwatch Institute, UK (6)

Deforestation processes in Indonesia and the impact for setting reference levels for REDD+ monitoring
J.E. Romijn (1) presenting, M. Herold (1), A. Angelsen (2), L. Verchot (3), D. Murdiyarso (3); Wageningen University, The Netherlands (1), Norwegian University of Life Sciences, Norway (2), Center for International Forestry Research, Indonesia (3)

Session: Earth Observations

Open sharing of data as the foundation for sustainable data integration and use
Improving understanding of human interactions with global change: socioeconomic data and information resources and their use in sustainability research and application

The future evolution of the Earth's reflected shortwave spectrum

The Global Ocean Observing System (GOOS): animating a framework for integrated and sustained observations, responding to a greater number societal issues

Mexico a real Integrated Coastal and Ocean Management, a sustainable era.

Nasa's satellite-based time series observations

The necessity of advanced multi-sensor observing systems to solve the cloud problem in climate models

ICSU World Data System: Global Data for Global Sustainability

Capacities of non-Annex I countries for national forest monitoring for REDD+

Beyond the model democracy: Observational constraints indicate risk of drying in the Amazon basin

The Arctic Ocean in summer: boundary fluxes and water mass transformation

The ESA climate change initiative project

Session: Beyond 2°C

Long term climate implications of 21st century options for CO2 emission mitigation

Creating an index of progress towards a low carbon economy
A. Denis (1,2), A. Skarbek (1,2), D. Griggs (1,2) presenting, J. Thwaites (1,2); ClimateWorks Australia, Australia (1), Monash University, Australia (2)

The efficiency of simplicity: contesting CO2 equivalents in CC negotiations based on an evolutionary perspective
A. Klaey (1) presenting, C. Ott (1); CDE, University of Bern, Switzerland (1)

Cumulative carbon as a policy framework for meeting the 2°C target
D. Matthews (1) presenting, S. Solomon (2), R. Pierrehumbert (3); Concordia University, Canada (1), NOAA / University of Colorado, USA (2), University of Chicago, USA (3)

Resilience or transformation? Managing the natural environment for an uncertain future
M.D. Morecroft (1) presenting, S.J. Duffield (1), N.A. Macgregor (1), H.Q.P. Crick (1); Natural England, UK (1)

Probability of severe ecosystem change under different temperature targets
S. Ostberg (1) presenting, D. Gerten (1), U. Heyder (1), W. Lucht (1,2), S. Schaphoff (1); Potsdam Institute for Climate Impact Research, Germany (1), Humboldt University Berlin, Germany (2)

Climate Model Prediction of Frost Risks and Plagues on Vineyards in Demarcated Douro Region
M. Rodrigues (1) presenting, A. Rocha (1), A. Monteiro (2); Physics Department, University of Aveiro, Aveiro, Portugal (1), Geography Department, Faculdade de Letras, University of Porto; FLUP, Porto, Portugal (2)

Use Information of Agrometeorological Stations in the Prediction of Agriculture Diseases: Douro Region case study
M. Rodrigues (1) presenting, A. Monteiro (2), A. Rocha (1), J.R. Freitas (3), H. Quénol (4); Physics Department, University of Aveiro, Portugal (1), Geography Department, Faculdade de Letras, University of Porto; FLUP, Porto, Portugal (2), General Direction of Agriculture and Fishing in the North (DRAPN). Department of the Advices of Douro, Peso da Régua, Portugal (3), Laboratoire COSTEL, UMR6554 LETG, Université Rennes 2, France (4)

Climate change and sardine Iberian-Atlantic fishery: a local economic effect of ocean warming
J. Torralba-Cano (1) presenting, M. Besada-Moráis (1), M-D. Garza-Gil (1); University of Vigo, Spain (1)

Climate change impacts avoided by limiting global mean temperature rise
R. Warren (1) presenting, J-A. Lowe (2), N-W. Arnell (3), S-N. Gosling (4), J. Vanderwal (5), J-T. Price (6); Tyndall Centre, University of East Anglia, UK (1), Met Office Hadley Centre, UK (2), Walker Institute, University of Reading, UK (3), University of Nottingham, UK (4), James Cook University, Australia (5), World Wildlife Fund US, USA (6)

Key event: IPCC

Adaptation science and ecosystem services: what form of public participation is appropriate?
T. Forsyth (1) presenting; London School of Economics and Political Science, UK (1)

Sub-global and thematic assessments in IPBES: lessons from the High Level Panel of Experts on food security and nutrition
V. Gitz (1,2) presenting, A. Meybeck (1); FAO, Italy (1). CIRED, France (2)

Risk-based science as a platform for informed decision making in UK environmental governance
S. Rocks (1) presenting, M. Whelan (1), A. Gormley (1), M. Smith (1), G. Prpich (1), S.J.T. Pollard (1); Cranfield University, UK (1)
Session: Land Acquisitions

Revealing the extent of large-scale foreign land acquisitions in Australia
A.C. Millington (1) presenting; Flinders University, Australia (1)

Some african tracks for innovative pathways to master large scale land acquisitions.
R. Niyonkuru (1) presenting, J. Habwintahe (1), C. Munezero (1), C. Galpin (2); APDH, Burundi (1), GSF, France (2)

Responsible investment in land and trade law
E. Buergi Bonanomi (1) presenting; World Trade Institute, Switzerland (1)

The Implications of Land Grabbing in Brazil
A.M. Buainain (1), G.B.R. Lambais (1) presenting; Institute of Economics, University of Campinas, Brazil (1)

Partnership relations between forestry companies and local people as a way to harness large-scale land acquisitions for sustainable rural development? First insights into two cases of foreign investments in Tanzania
M. Locher (1) presenting; Department of Geography, University of Zurich, Switzerland (1)

Sugarcane Politics and Large-Scale Land Acquisitions in Uganda
D.R. Olanya (1) presenting; Gulu University, Uganda (1)

S. Singh Shrestha (1) presenting; Consortium for Land Research and Policy Dialogue, Nepal (1)

Societal causes for conversion of exceptionally rich biodiversity forest habitat into large-scale oil palm plantations. Case Study: Sumatran orangutan habitat, Aceh Province, Indonesia.
D. Ruysschaert (1,2) presenting, M. van Noordwijk (3), R. Zen (4), I. Singleton (2), H.L. Tata (3); University toulouse le mirail, France (1), PanEco Foundation, Indonesia (2), ICRAF, Indonesia (3), Yayasan Ekosistem Lestari, Indonesia (4)

Key Event: Economy

Industrial impact of the carbon-based border tax adjustments on China: A general equilibrium perspective
Q. Bao (1) presenting, L. Tang (2), H. Qiao (3,1), S-Y. Wang (1); Academy of Mathematics and Systems Science, Chinese Academy of Sciences, China (1), Institute of Policy and Management, Chinese Academy of Sciences, China (2), College of Economics, Qingdao University, China (3)

Session: Climate Resilience

How To Prioritise Adaptation Measures When Budget Is Scarce
M. Olazabal (1) presenting, E. Feliu (1), B. Abajo (1), M.K. Herranz-Pascual (1); Tecnalia - Unit of Environment, Spain (1)

Community Participation in Urban Climate Resilience
S. Wajih (1) presenting; Gorakhpur Environmental Action Group, India (1)
Session: Knowledge-action Gap

Environmental education as an instrument of change in the relation between society and nature: an analysis of practice in 100 public schools in Natal and Mossoró, Rio Grande do Norte, in the northeast of Brazil
B. Torres (1,2), E. Alcântara (1) presenting; Universidade do Estado do Rio Grande do Norte, Brazil (1), Universidade Federal do Rio Grande do Norte, Brazil (2), Universidade Federal de Pernambuco, Brazil (3)

Ethical sustainability footprint for individual motivation
A.L. Dahl (1) presenting; International Environment Forum, Switzerland (1)

Employment and workplace dimension of climate change policy
P. Glynn (1) presenting, R. Taplin (1); Bond University, Australia (1)

Monitoring and evaluating values-related processes and outcomes in civil society organisations
M.K. Harder (1) presenting, G. Burford (1), E. Hoover (1), D. Podger (1,3), I. Velasco (1), T. Hak (2); University of Brighton, UK (1), Charles University, Prague, Czech Republic (2), Centre of Learning for Sustainability, Australia (3)

Exploring sustainable behaviour change amongst the UK agricultural community.
K. Hartless (1) presenting; Coventry University, UK (1)

The Concept of Value and the Value of Concepts: Reconceptualising How Humans Value Biodiversity and Ecosystem Services
P.L. Howard (1,2) presenting; Wageningen University, The Netherlands (1), University of Kent, UK (2)

Meat consumption trends and discourses: Learning from the past for the future
M.M. Kanerva (1) presenting; Artec, University of Bremen, Germany (1)

The transition towards a Green Economy: how to get the consumers involved
L. Krucken (1) presenting, C. Trusen (2), I. Santos (1); Universidade do Estado de Minas Gerais, Brazil (1), GITEC, Germany (2)

Getting polluters to clean up their act--a closer look at disclosure strategies in the Philippines
R.A. Lambino (1) presenting; Kyoto University Graduate School of Global Environmental Studies, Japan (1)

Impacts of Livestock on Climate and Persistence of People in Consumption of Meat.
V. Bordotti (1), L.A. Norma Lima (1), M.A. Lombardo (1) presenting, A.L. Fruehauf (1); São Paulo State University (UNESP), Brazil (1)

Transforming societal values to create a safe operating space for humanity
C.A. McAlpine (1) presenting, L.M. Seabrook (1), J.G. Ryan (1), B. Feeney (2); The University of Queensland, Australia (1), Consultant, Australia (2)

The role of values, beliefs, human condition, social relations and availability of resources in determining the capacity of rural industries and communities to transform
S.E. Park (1) presenting, N.A. Marshall (1), A-M. Dowd (1), A.M. Fleming (1), E. Gaillard (1), S.M. Howden (1); CSIRO, Australia (1)

The sustainable tourist: can pro-environmental values and hedonism coexist?
Determinants of the Use of Bike in the City: Between Practical Motivations and Social - Cultural Values
A. Rimano (1), M.P. Piccini (2), C. Chiarolanza (2), R. Metastasio (2), P. Passafaro (2)
University of Rome La Sapienza - Department of Social Sciences, Italy (1),
University of Rome La Sapienza - Department of Developmental and Social Psychology, Italy (2)

Experiential learning to change understanding and beliefs
R. Phillips (1)
Earthwatch, UK (1)

Communicating climate change
C. Rapley (1)
University College London, UK (1)

The return of the debate on values and ethics to Life Sciences Universities – The BOKU case
M-M. Ribeiro (1), H. Kromp-Kolb (1), P. weish (1,2)
University of Natural Resources and Life Sciences, Vienna, Austria (1),
University of Vienna, Austria (2)

Session: Change-induced Migration

Science, governance and ethics in environmental migration
A.L. Dahl (1)
International Environment Forum, Switzerland (1)

The Impact of Climate Change on Human Mobility in West- Africa
K.K. KODZO (1), K.E. AMOUZOU (1)
Main dans la Main, Togo (1)

A Framework to define Migration and Climate Change
M. Manez Costa (1)
Climate Service Center - Helmholtz Center for Coastal and Material Research, Germany (1)

Governing Environmental Migration at the Regional Level: Towards an Asian Model?
B. Mayer (1)
National University of Singapore, Singapore (1)

Agro-climatic risks, hunger and human mobility
K. Warner (1), T. Afifi (1), C. Rademacher-Schultz (1), A. Milan (1), T. Rosenfeld (1), P. Sakdapoldrak (2),
B. Etzold (2)
United Nations University, Institute for Environment and Human Security, Germany (1),
University of Bonn, Germany (2)

Global Environmental Change-induced Migration Across Scales: Towards Protecting Rights to Survival of the Most Vulnerable Representing South Asia
A.H. Ahmed (1), S. Neelormi (2)
Centre for Global Change, 21/7 Khiljee Road, Apt#5C, Mohammedpur, Dhaka-1207, Bangladesh (1),
Department of Economics, Jahangimagar University, Savar-1342, Bangladesh (2)

Key event: Vision

VISIONEERING: An Essential Framework in Sustainability Science
J. Kim (1), T. Oki (2)
Seoul National University, Republic of Korea (1), The University of Tokyo, Japan (2)
New Guidelines for Research in Partnership
J.A. Lys (1) presenting, B. Stöckli (3,1), U. Wiesmann (2); Swiss Commission for Research Partnerships with Developing Countries, KFPE, Switzerland (1), Centre for Development and Environment, University of Berne, Switzerland (2), Alliancesud, the Swiss Alliance of Development Organisations, Switzerland (3)

Session: Sustainable Energy

Exploitation of oceans wave and currents for energy production
A.S. Bahaj (1) presenting; University of Southampton, UK (1)

Can a large-scale deployment of concentrating solar power supply clean and reliable baseload electricity?
S. Pfenninger (1) presenting, K. Damerau (1), A. Patt (1); International Institute for Applied Systems Analysis (IIASA), Austria (1)

The technology path to deep greenhouse gas emissions cuts by 2050: the pivotal role of electricity and its policy implications
J.H. Williams (2), M.S. Torn (1) presenting; UC Berkeley and Berkeley Lab, USA (1), E3 and Monterey Institute International Studies, USA (2)

Session: Global Megatrends

Multiple (In)securities and Climate Change: Establishing an Integrated Science and Policy Context for Canada's North
M. Brklacich (1) presenting; Carleton University, Canada (1)

Session: Forest Governance

Local self-governance by decree? Organizing sustainable collective action through Joint Forest Management
C. Barnes (1) presenting, F. van Laerhoven (1); Utrecht University, The Netherlands (1)

Governance of Forests Multiple Outcomes in the Bolivian Lowlands - Reconciling livelihoods, biodiversity conservation and carbon sequestration
P. Bottazzi (1,2) presenting, S. Rist (1), J-P. Benavides (4), M. Clavijo (5), D. Crespo (4,1), H. Soria (4); Centre for Development and Environment, University of Bern, Switzerland (1), School of Natural Resource and Environment, University of Michigan, USA (2), UNEP/GRID, Switzerland (3), Center for Economic and Social Research, Bolivia (4), Agroecology Program of the University of Cochabamba, Bolivia (5)

Small is beautiful: Evaluating 'success' factors in a case of the small-scale cooperative afforestation CDM project on private land in India
E. Boyd (1) presenting; University of Reading, UK (1), Stockholm Resilience Centre, Sweden (2)

Who pays for the carbon emission mitigation?: New inequalities from environmental governance in Brazil
F. de Castro (1) presenting, F. Toni (2); CEDLA, The Netherlands (1), University of Brasilia, Brazil (2)

Understanding Diverse Outcomes: Community Forest Management in Cambodia
Community forest management (CFM) in India: a key adaptation strategy to climate change
N. Ojha (1) presenting; Centre for Development and Alternative Technologies, India (1)

Climate Change a New Challenge for Community Forest Management in Orissa- Implications of REDD
K.K. Siripurapu (1) presenting, K. Hubacek (1); University of Maryland, USA (1)

Session: B-Futures

Multi-scale participatory scenario methods as a tool of local population empowerment: case studies in the Brazilian Amazonia
A.P.D. Aguiar (1) presenting, R. Folhes (1), D. Aguiar (1), R. Araujo (1); INPE, Brazil (1)

The triple epistemology of environmental foresight under global change
B. GUILLAUME (1) presenting; University of Technology of Troyes, France (1), Dartmouth College, USA (2)

Unravelling narratives of climate change from global to local
E.L. Bohensky (1) presenting, J.R.A. Butler (1), D. Kirono (2); CSIRO Ecosystem Sciences, Australia (1), CSIRO Marine and Atmospheric Sciences, Australia (2)

Scenario modeling of integrated cropland, forest, population, and economic change in the Himalayas of northeastern India
W.S. Currie (1) presenting, Z. Hadzick (1), Y. Makino (2); University of Michigan School of Natural Resources and Environment, USA (1), The World Bank, USA (2)

Vulnerability Scenarios and Development Pathways: Advancing Key Components for Comprehensive Climate Change Risk and Adaptation Science
J. Birkmann (1), M. Garschagen (1) presenting; United Nations University, Institute for Environment and Human Security, Germany (1)

Scenarios and visioning as complementary methods to build capacity for governance in the face of environmental and socio-economic uncertainty
J.M. Vervoort (1) presenting, P.J. Ericksen (2), J. Ingram (1), W. Foerch (2), M. Chaudhury (3), P. Thornton (2); Oxford University, UK (1), International Livestock Research Institute, Kenya (2), World Agroforestry Centre (ICRAF), Kenya (3)

Session: Geoengineering

Geogame project - using serious games to explore responses to geoengineering
A.J. Lockley (1) presenting, N. Brachatzek (2), D. Heyen (3), D. Amelung (3), J. Qu (4); None, UK (1), Stuttgart University, Germany (2), Heidelberg University, Germany (3), Georgia Tech, USA (4)

Governing geoengineering: "Macbeth's prophecy" and the "Watchmen hypothesis"
B. GUILLAUME (1,2) presenting; University of Technology of Troyes, France (1), Dartmouth College, USA (2)

'Opening and closing the debate on GE: Accountability and path dependency in the IPCC assessment'
S. Beck (1) presenting; UFZ Leipzig, Germany (1)
Geoengineering and intergenerational equity
R. Chris (1) presenting; The Open University, UK (1)

Deliberating geoengineering: Insights from public workshops
K.A. Parkhill (1), N.F. Pidgeon (1), A. Corner (1) presenting, N. Vaughan (2); Cardiff University, UK (1), University of East Anglia, UK (2)

Towards an Ethical Framework for Climate Geoengineering
P. Curvelo (1) presenting, A-G. Pereira (1); European Commission - Joint Research Centre, Italy (1)

Physically-Based Attribution Methods for Geoengineering Governance
T. Gasser (1,2) presenting, P. Ciais (2); CIRED, France (1), LSCE/IPSL, France (2)

The Global Politics of Climate Engineering: An International Survey
J. Horton (1) presenting; KEMA, Inc., USA (1)

The Real Economics of Climate Engineering
G. Klepper (1), W. Rickels (1) presenting; Kiel Institute for the World Economy, Germany (1)

Governing Geoengineering research: Scientists’ perspectives
P. Stathaki (1), E. Vasileiadou (1) presenting, A.C. Petersen (1,2); Institute for Environmental Studies, VU University Amsterdam, The Netherlands (1), Netherlands Environmental Assessment Agency, The Netherlands (2)

Session: Climate Development

Advancing Climate Compatible Development for Food Security through the Implementation of National Climate Change Strategies
A. Michaelowa (1), S. Harmeling (2), M. Rahman (3), J. Wakhung (4), I. Ferrera (5), M. Köhler (1), A. Adwera (4) presenting; Perspectives GmbH, Germany (1), Germanwatch, Germany (2), Bangladesh Centre for Advanced Studies, Bangladesh (3), African Centre for Technology Studies, Kenya (4), Fundación Vida, Honduras (5)

Integration of the adaptation to climate change in the complex scenario of territorial planning and economic development of a coastal world heritage site: Cartagena de Indias, Colombia.
F. ARIAS-ISAZA (1) presenting, X. ROJAS (1), P. SIERRA-CORREA (1); INVEMAR, Colombia (1)

Local knowledge and Governance for Flood Management in the Mekong Delta of Vietnam in the context of Climate Change
T-S. BACH (1) presenting; National Institute for S&T policy and Strategy Studies, Viet Nam (1)

Integrating climate resilience and development: an indicator framework
R.H. Moss (1), E.L. Malone (1), N.L. Engel (1), A.C. de Bremond (1) presenting; Joint Global Change Research Institute/Pacific Northwest National Lab and the University of Maryland, USA (1)

Follow the carbon: exploring the climate-compatible development strategies in Guinea Bissau
R. Duarte (1) presenting, D. Moran (2); Ministry of Finance - Multilateral Affairs Department, Portugal (1), University of Edinburgh - Scottish Agricultural College, UK (2)

Global benefits, local costs? Governing land-use conflict under REDD.
M. Hirons (1) presenting; University of Reading, UK (1)
African agriculture under pressure: exploring climate compatible futures for research and advisory services
V. Nelson (1), D. Kisauzi (3), R. Lamboll (1), J.F. Morton (1) presenting, M. Wopereis-Pura (2); Natural Resources Institute, University of Greenwich, UK (1), Forum for Agricultural Research in Africa, Ghana (2), African Forum for Agricultural Advisory Services, Uganda (3)

Reducing Subsistence Farmers’ Vulnerability to Climate Change: Evaluating the Potential Contributions of Agroforestry in Western Kenya
T. Thorlakson (2), H. Neufeldt (1) presenting; World Agroforestry Centre, Kenya (1), Harvard University, USA (2)

Regional approach for managing for resilience linking ecosystem services and livelihood strategies of agro-pastoral communities in the Mongolian steppe ecosystem
D. Ojima (1) presenting, K. Galvin (1), C. Togtohyn (3), J. Qi (2); Colorado State University, USA (1), Michigan State University, USA (2), National University of Mongolia, Mongolia (3)

Session: Emerging Technologies

Reaching Goals of Sustainable Development from Carbon Capture & Storage and Carbon Trading
M. Goel (1) presenting; Jawaharlal Nehru University, India (1), Jamia Hamdard, India (2)

Session: Urban Governance

Climate change in Brazilian coastal cities: political responses and challenges
F. Barbi (1,2) presenting, L.C. Ferreira (3,4); Unicamp, Brazil (1), Earth System Governance - Research Fellows, Brazil (2), Unicamp, Brazil (3), Earth System Governance - Faculty Member, Brazil (4)

Microclimatic numerical comparison between urban canyons today and at 2050 for supporting climate change conscious urban form design
A. Elwan (1) presenting, C. Peng (1), M. Fahmy (1); sheffield university, UK (1)

Welfare changes due to formalization of informal property rights in slums of Mumbai
V. Gupta (1) presenting; National Institute of Industrial Engineering (NITIE), India (1)

Evaluation of the role of statutory institutions/agencies in mitigating the challenges of sustainability and global environmental change in Lagos mega-city
A. Ifesanya (1) presenting; Bauhaus University Weimar, Germany (1), Federal Polytechnic Ado-Ekiti, Nigeria (2)

Paradigm shift in managing the urban acoustic environment: From reducing noise to building a resilient community
K.C. Lam (1) presenting; Chinese University of Hong Kong, Hong Kong (1)

A methodology for evaluation of comprehensive plans and its effectiveness towards sustainable and resilient cities in Brazil
M.F. Lemos (1) presenting, R. Coutinho (2); Architecture and Urbanism Department of Pontifical Catholic University of Rio de Janeiro (CAU/PUC-Rio), Brazil (1), Graduate Program in Urbanism, Federal University of Rio de Janeiro (PROURB/UFRJ), Brazil (2)

Achievement of win-win solution to intertwined environmental pollutions for eco-conscious society
T. Nakayama (1,2) presenting; National Institute for Environmental Studies (NIES), Japan (1), Centre for Ecology & Hydrology (CEH), UK (2)
Climate Change Governance from the Bottom-Up: Challenges to Mitigation and Adaptation in US Great Plains Cities
R.J. Romsdahl (1) presenting, R. Wood (1); University of North Dakota, USA (1)

Adaptive responses to climate change in developing countries: A case study of a coastal city in Bangladesh
M. Azam (1), T. Sarker (2) presenting, S. Hossain (3); University of Freiburg, Germany (1), Griffith University, Australia (2), Asian Development Bank Institute (ADBI), Japan (3)

Urban governance challenges to sustainable development in China: Integrating renewable energy and building sector law and policy
S. Schulze (1) presenting, Q. Xia (2); Department of Civil and Public Law with special references to Environmental and European Law, Brandenburg University of Technology, Cottbus, Germany (1), UNEP-Tongji Institute of Environment for Sustainable Development, College of Environmental Science and Engineering, Tongji University, Shanghai, China (2)

Urban governance challenges for sustainability and policy approaches for resource use effectiveness and social equity: need for a paradigm shift in India
V. SHARMA (1) presenting, K-R. SHARMA (1); S.K. UNIVERSITY OF AGRICULTURAL SCIENCES & TECHNOLOGY, India (1)

Urban scenarios to inform climate policies: a case study on Paris urban area
V. Viguié (1) presenting, S. Hallegatte (2,3), J. Rozenberg (1); CIRED, France (1), World Bank, USA (2), Météo-France, France (3)

Designing collaborative learning- Urban stakeholders in pursuit of sustainability
M. Westin (1) presenting, J. Colvin (2), F. Lenglet (1), A. Hellquist (1), S. Urenje (1); University of Gotland, Sweden (1), Open University, UK (2)

Integration of Poor for better urban Governance
S. SHEKHAR (1) presenting; Central university of Karnataka, India (1)

Session: Securing Progress

Sustainable consumption and production strategy for the south african building materials manufacturing sector
N. Ampofo-Anti (1) presenting; University of Pretoria, South Africa (1)

The role of the Zambian print media in public environmental awareness and education
S-M. Simooya Mudenda (1) presenting; The University of Zambia, Zambia (1)

Session: Scientists and Practitioners

Tools for spatial planning for integrated natural resource management
H. Clouting-Helbron (1) presenting, M. Mul (1), W. Douven (1), S. Hategekimana (1); UNESCO-IHE, The Netherlands (1)

Session: Leapfrogging

Local solutions for environmental justice
D. Barkin (1), L.S. Hernandez (2) presenting; Universidad Autonoma Metropolitana, Mexico (1), University of East Anglia, UK (2)

Waters of Gávea: A Sustainable Neighborhood, Rio de Janeiro, Brazil
L.F.G. REGO (1) presenting; PUC-Rio, Brazil (1)

Minimizing conflicts of scale using an environmentally-driven public policy framework under an agenda of green economy, regional development and sustainability: a study case from the State of Para, Brazilian Amazon.
P.M. Toledo (1) presenting, P. Pinho (1), R.A. Santos Junior (1), I.C.G. Vieira (2), S.C. Gomes (3); INPE, Brazil (1), Goeldi Museum, Brazil (2), Idesp, Brazil (3)

Improving assessment and quantification of land use conversion impacts on tropical terrestrial biodiversity and microbial community dynamics
S.M. Tsai (1) presenting, E.E. Kuramae (2), A.A. Navarrete (1), L.W. Mendes (1), M.V.R. Ballester (1), J. v van Veen (2); University of São Paulo, Brazil (1), NIOO-KNAW, The Netherlands (2)

Session: Reconciliation

Soil quality and biodiversity across a land-use intensification gradient in Santa Catarina, Brazil
D. Baretta (1), G.G. Brown (2) presenting, O. Klauberg Filho (3), M.L.C. Bartz (1), A.L. Mafra (3), S.M. Tsai (4), J.P. Sousa (1), S.L. Stümmer (1), T. Decaëns (1), S.W. James (1), D.G. Souza (1); Universidade do Estado de Santa Catarina/Centro de Ensino Superior do Oeste, Brazil (1), Embrapa Florestas, Brazil (2), Universidade do Estado de Santa Catarina/Centro de Ciências Agroveterinárias, Brazil (3), Universidade de São Paulo/Centro de Energia Nuclear na Agricultura, Brazil (4), Universidade de Coimbra, Portugal (5), Universidade Regional de Blumenau, Brazil (6), Université de Rouen/ECODIV, France (7), University of Iowa, USA (8)

Biodiversity in Support of Sustainable Agricultural Landscapes and Resilient Livelihoods: the AgroBIODIVERSITY Research Agenda
L. Brussaard (1) presenting, M.M. Pulleman (1), F.J.J.A. Bianchi (1), L.E. Jackson (2); Wageningen University, The Netherlands (1), University of California, USA (2)

Why not intercrop coffee with trees?
I.M. Cardoso (1) presenting, L.S.F. Costa (2), B.S. Mello (2), V. Dayer (2), E.M.G. Duarte (1); Soil Science Departemente, Federal University of Viçosa, Brazil (1), Centre of Alternative Technologies, Brazil (2)

Agricultural intensification and Australian biodiversity: can we turn a troubled past into a better future?
S.A. Cunningham (1,3) presenting, K.J. Williams (1,3), T.D. Harwood (1,3), L.M. Broadhurst (2,3), R.C. Godfree (2,3), A.G. Young (2,3); CSIRO Ecosystem Sciences, Australia (1), CSIRO Plant Industry, Australia (2), Sustainable Agriculture Flagship, Australia (3)

Food - Fuel - Finance: modelling the role of markets in the Indian biofuel sector
S. Das (1) presenting, J. Priess (1), C. Schweitzer (1); CLE, Helmholtz Center for Environmental Research, Germany (1)

Engaging a coffee farmer community in the Los Santos region of Costa Rica: Developing tools for farmers to encourage sustainable farming practices.
T. Dietsch (1) presenting, S. Castro Tanzi (2,3), N. Urena (3), L. Navarro (3), M. Chandler (1); Earthwatch Institute, USA, USA (1), Department of Plant and Soil Science, University of Vermont, USA (2), Earthwatch Institute, Costa Rica, Costa Rica (3)
Managing the Multidimensional Nature of Ecosystem Services in Agricultural Landscapes - Insights from Studies of Pollination Services in South Africa
J.S. Donaldson (1) presenting, A. Melin (1), J. Colville (1), R. Veldtman (1); South African National Biodiversity Institute, South Africa (1)

Implications of multifunctional landscapes for allowing small scale farmers in South Africa to adapt towards climate change.
E. Torquebiau (1,2), J.W.H. Ferguson (1) presenting, C.J. Rautenbach (1); University of Pretoria, South Africa (1), CIRAD, France (2)

Land-use sustainability in the Brazilian Amazon: trade-offs and opportunities for conservation and development
J. Ferreira (1,2) presenting, T. Gardner (2,3), J. Barlow (4,3), A. Lees (3), E. Berenguer (4), L. Parry (4,3); Embrapa, Brazil (1), University of Cambridge, UK (2), Museu Emilio Goeldi, Brazil (3), Lancaster University, UK (4)

Land use effects on multiple components of biodiversity and multiple ecosystem functions: lessons from the Biodiversity Exploratories
M. Fischer (1) presenting, E.K.V. Kalko (2), W.W. Weisser (3); University of Bern, Switzerland (1), University of Ulm, Germany (2), TU München, Germany (3)

Addressing the Socio-Environmental Challenges of Building Agro-diverse Silvopastoral Landscapes in the buffer zone of a MAB reserve in Chiapas, Mexico
L.E. Garcia-Barrios (1) presenting; El Colegio de la Frontera Sur, Mexico (1)

A dilemma for organic agriculture for smallholder farmers: How to balance eco-functional intensification vs high value cash crops (examples from Asia and Africa)
N. Halberg (1) presenting; International Centre for Research in Organic Food Systems, Denmark (1)

Balancing agricultural use with biodiversity conservation: an assessment of forest cover, plant diversity and soil quality in the buffer zone of a Mexican biosphere reserve
J.N. Williams (1), A.D. Hollander (1), L. Garcia-Barrios (2), L.E. Jackson (1) presenting; University of California, Davis, USA (1), El Colegio de la Frontera Sur, SCLC, Mexico (2)

Planning for climate change: enhancing the role of agrobiodiversity in an intensively-managed agricultural landscape in California
L. Jackson (1) presenting, V. Haden (1); University of California Davis, USA (1)

Interactions between bundles of ecosystem services and livelihood strategies in semi-arid West Africa
H.K.M. Larsson (1,2) presenting, L.J. Gordon (1); Stockholm Resilience Centre, Sweden (1), Department of Systems Ecology, Stockholm University, Sweden (2)

Understanding ecosystem services trade-offs in agroecosystems
S. Lavorel (1) presenting, K. Grigulis (2), P. Gos (1), P. Lamarque (1); CNRS Laboratoire d’Ecologie Alpine, France (1), CNRS Station Alpine Joseph Fourier, France (2)

Design templates for agricultural mosaics
Improving the reliability of ecosystem services in agricultural landscapes: key research questions and ways to address them.
S. Macfadyen (1) presenting, J. Memmott (1); CSIRO, Australia (1), University of Bristol, UK (2)

The Agroecological village model: integrating climate change adaptation and mitigation with best management practices for increasing food and energy security in West Africa.
M. Manneh (1) presenting, B. Jobe (1), R. Samson (2), C. Ho Lem (2), M. Kushnir (2), E. Delaquis (2); Njawara Agricultural Training Centre (NATC), Gambia (1), Resource Efficient Agricultural Production (REAP) Canada, Canada (2)

Evaluating the impacts of REDD+ on livelihood generation, food production and ecosystem service provision
R.B. Matthews (1) presenting, G. Dyer (1), I. Bakam (1); James Hutton Institute, UK (1)

J.C. Milder (1,2) presenting, F.A.J. DeClerck (3), P. Dobie (4), P. Eyzaguirre (5), C.A. Harvey (6), K. Ichikawa (7); EcoAgriculture Partners, USA (1), Cornell University, USA (2), Centro Agronómico Tropical de Investigación y Enseñanza, Costa Rica (3), World Agroforestry Centre, Kenya (4), Biodiversity International, Italy (5), Conservation International, USA (6), United Nations University, Japan (7)

Threats and opportunities of land use change in the La Plata river basin
E.J. Noellemeyer (1) presenting, H.L.C. Coutinho (1), F. Balieiro (2); Facultad de Agronomía Universidad Nacional de La Pampa, Argentina (1), EMBRAPA Solos, Brazil (2)

An assessment of the livelihood impacts of a global environment facility project in yankari games reserve, bauchi, nigeria
F. Olorunfemi (1) presenting, O. Ogundele (1), M. Fasona (2); Nigerian Institute of Social and Economic Research, Nigeria (1), University of Lagos, Lagos, Nigeria (2)

Crop production, ecosystem services, and human wellbeing: the Millennium Villages after five years
C. Palm (1,2) presenting, S. Smukler (1), P. Mutuo (2), G. Nziguheba (1,2), R. Remans (1), K. DeRosa (1); The Earth Institute Columbia University, USA (1), TSBF-CIAT, Kenya (2)

Private voluntary standards in the food sector and developing countries: a comparison of product carbon footprinting and wider sustainability approaches
K. Plassmann (1) presenting; Johann Heinrich von Thünen-Institute, Germany (1)

Putting soil management in a landscape context for ecological intensification of agriculture
F.J.J.A. Bianchi (1), M.M. Pulleman (1) presenting, L. Brussaard (1), L.E. Jackson (2); Wageningen University, The Netherlands (1), University of California, USA (2)

Agrobiodiversity and Intensification of Agriculture: Insights from Eight Landscapes in Several Biomes
M.M. Pulleman (1) presenting, L.E. Jackson (2), L. Brussaard (1); Wageningen University, The Netherlands (1), University of California, USA (2)

Reconciling biodiversity conservation and agroindustrial production in tropical megadiverse countries
L. Schiesari (1) presenting; University of Sao Paulo, Brazil (1)
Remote Sensing Based Model of Designer Landscapes: Reconciling Agricultural Production With Biodiversity Conservation and Provision of Ecosystem Services  
M.S. Singh (1) presenting; University of Oxford, UK (1)

A social network analysis of three agricultural landscapes in Burkina Faso, Tanzania and Zambia  
C. Stein (1) presenting, J. Barron (1,2), H. Ernstson (1,3); Stockholm Resilience Centre, Sweden (1), Stockholm Environment Institute, UK (2), African Centre for Cities, South Africa (3)

Transforming agriculture to become the carrier of future solutions to grand challenges in the era of the anthropocene  
U. Svedin (1) presenting; Stockholm University, Sweden (1)

Cultural Ecosystem Services as facilitator for sustainable land management in South-East Asian rice landscapes  
V. Tekken (1) presenting, S. Stoll-Kleemann (1); University of Greifswald, Germany (1)

Food security in Africa: quantifying the yield benefits of nutrient management techniques using meta-analysis  
C. Tonitto (1) presenting; Cornell University, USA (1)

System of Rice Intensification method for food security, biodiversity conservation and poverty reduction in the hills of Nepal  
R. Uprety (1) presenting; GON/Department of Agriculture, Nepal (1)

Session: Bioenergy Demand

Scenarios for the Amazonia 2050: combining emission reductions and social development  
A.P.D. Aguiar (1) presenting, J.P. Ometto (1), L.S. Soler (1), T. Assis (1), P.R. Andrade (1), D. Lapolla (2); INPE/CCST, Brazil (1), UNESP/Rio Claro, Brazil (2)

Assessing global impacts of expanded biofuels production within the Applied Dynamic Analysis of the Global Economy model  
R.H. Beach (1) presenting, D.K. Birur (1), M.T. Ross (1); RTI International, USA (1)

Avoided greenhouse gas emissions from sugarcane areas due to the conversion of burned to green harvest in São Paulo State - Brazil: the potential for 2011 to 2021  
R.O. Bordonal (1) presenting, E.B. Figueiredo (1), D.A. Aguiar (2), M. Adami (2), M.P. Mello (2), B.F.T. Rudorff (2,1), N. La Scala (2,1); FCAV/UNESP - Universidade Estadual Paulista, Brazil (1), DSR/INPE - Instituto Nacional de Pesquisas Espaciais, Brazil (2)

Interregional Land-Use Dynamics of Bioenergy Policies: An Agent-Based Approach.  
C. Klassert (1,2) presenting, E. Gawel (1), D. Thrän (1,2), K. Frank (1); Helmholtz Centre for Environmental Research - UFZ, Germany (1), German Biomass Research Centre - DBFZ, Germany (2)

Sugar-cane in Brazil: mixed climate impacts  
M.A. Marini (1) presenting, L.M.S. Aguiar (1), R.B. Cavalcanti (1), R.B. Machado (1); Universidade de Brasilia (UnB), Brazil (1)

Global Simulations of Present-day and Future Crop Yields: Formalized Uncertainty Analysis and Attribution to Different Drivers
The potential for reduction of net carbon emissions through management of biomass flows in 2050
T. Powell (1) presenting, T. Lenton (1); University of Exeter, UK (1)

Are India’s Fuel Blending Targets Viable? – A Regional Case Study Analyzing Land Use Change and Crop Productivity
J-A. Priess (1) presenting, S. Das (1), C. Schweitzer (1); Helmholtz Centre for Environmental Research - UFZ, Germany (1)

A Landscape generator as tool for integrated landscape level environmental impact assessment of bioenergy activities
S. Puetz (1) presenting, D. Thraen (1), K. Frank (1); UFZ Helmholtz Centre for Environmental Research, Germany (1)

The Impact of Intermediate Technology Change on Global Land Use in 2050
A. Tabeau (1) presenting, H. van Meijl (1); LEI part of Wageningen UR (Agricultural Economics Research Institute), The Netherlands (1)

Key event: Adapting institutions

A Shift from Traditional to Resilient Oil Governance in Divided Developing Oil-Exporting Societies: How can this be initiated now for the two Sudans?
H. Ali (1) presenting, T. Chapin (1), M. Betsill (1), J. Rosenberg (1); University of Alaska Fairbanks, Alaska, USA (1)

Tapping into institutional and organizational theory for understanding opportunities and barriers related to resilience building
M. Garschagen (1) presenting; United Nations University, Institute for Environment and Human Security, Germany (1)

Working at the People-Wildlife Interface in East Africa: Discourses and Dilemmas in Governing Protected Areas in Ethiopia
G. Kelboro (1,2) presenting; Center for Development Research (ZEF), University of Bonn, Germany (1), Wondo Genet College of Forestry and Natural Resources, Hawassa University, Ethiopia (2)

Spatially addressing the potential conflicts and synergies on the cross-scale (and cross-level) management and planning of sustainable and multifunctional rural land-systems.
J. Munoz-Rojas (1) presenting, F. Cortines Garcia (1); the James Hutton Institute, UK (1), University of Sussex, UK (2)

The Great Acceleration: Kicks, Dead Zones and Bridging the Abyss
D. Taylor (1) presenting; Hofstra University, USA (1)

Session: Shared Resources

Democratizing multi-level governance: experience from community forestry in Nepal
Bridging the gap between scientific and Indigenous knowledge to achieve better environmental outcomes in cross-border river systems.
A.H. Lynch (1), D. Griggs (2) presenting, L. Joachim (3), C.S. Hammer (4), M. Harris (5), X. Zhu (2); Brown University, USA (1), Monash University, Australia (2), Yorta Yorta Nation Aboriginal Corporation, Australia (3), World Bank Institute, USA (4), Latrobe University, Australia (5)

Participatory knowledge production as a catalyst of efficient collective governance: evidence from Peru.
M. Mancilla Garcia (1) presenting; University of Oxford, UK (1)

Amazon Commons and the Local Governments: Challenges and Strategies of Sustainable Development
E.M.R. Castro (1), W.M. Rocha (1) presenting; Center of Amazon High Studies (NAEA-UFPa), Brazil (1)

Towards more adaptive management for ecosystem services: assessing institutions and initiatives in a north-European context
C. Short (1) presenting, J. Mills (1), J. Dwyer (1); CCRI University of Gloucestershire, UK (1)

Comparing commons; understanding sustainability through the application of the concept of social ecological systems.
I-D. Soane (3) presenting, R. Scolozzi (1), B. Marelli (1), C. Orsatti (1), A-B. Humphries (2), A. Gretter (1); Fondazione Edmund Mach, Italy (1), University of Cumbria, UK (2), Independent, UK (3)

Session: Poverty Alleviation

Preparing for the Future: Towards a holistic conceptualisation of adaptive capacity at the local level
L. Jones (1) presenting, E. Ludi (1), S. Levine (1); Overseas Development Institute, UK (1)

Session: Emerging Agencies

Enabling adaptation: A Polycentric institutional approach
E. Boyd (1,2) presenting, B. Kjellen (3); University of Reading, UK (1), Stockholm Resilience Centre, Sweden (2), Stockholm Environment Institute, Sweden (3)

Session: Nature and Society

Water and Sustainable Development: From Green Economies to Green Societies
A. Aureli (1) presenting; UNESCO IHP, France (1)

Do-it-yourself environmental simulation: bridging the gap between scientific modelling and decision-making
W. Buytaert (1) presenting, S. Baez (2), M. Bustamante (2), A. Dewulf (3); Imperial College London, UK (1), CONDESAN, Ecuador (2), Wageningen University, The Netherlands (3)

Modelling the transition to a sustainable economy: a systems dynamics macroeconomic model of the UK, incorporating environmental limits
E. Campiglio (1) presenting, J. Meadway (1); new economics foundation, UK (1)

Threats for sustainable rural tourism after the real-state bubble: the case of South West of Spain
Global land use history: A new synthesis
E.C. Ellis (1) presenting; University of Maryland, Baltimore County, USA (1)

Representations of the planet under pressure of young generations
E. Guillén Gutiérrez (1) presenting, A. Lammel (1); Université Paris VIII Saint-Denis, France (1)

Integrated Environmental Assessment and Planning for Sustainable Development: Malaysian models
H.S. Halimaton S.Hashim (1,2) presenting, J. Jasni Yaacob (1), I.Z. Mokhtar (2), I. Ariffin (2); Institute for Environment and Development, Universiti Kebangsaan Malaysia, Malaysia (1), Malaysian Institute of Planners, Malaysia (2)

The network structure of the global tuna supply chain: Stakes, visualization, modeling and scenarios.
C. Mullon (1) presenting;IRD, France (1)

Role of translated literature and documentation in regional language in dissemination of knowledge and creating awareness on global change
G. Nasim (1) presenting; University of the Punjab, Pakistan (1)

Gross National Happiness: A Unique Development Model
P. Thapa (1) presenting; Royal University of Bhutan, Bhutan (1)

Deep understanding for better design: grounding institutional design for social ecological systems
A.T. Thiel (1) presenting, D.Z. Zikos (1); Humboldt Universität zu Berlin, Germany (1)

Session: Humanism

Strategies to Reduce Fishing Ships Generated Garbage Dumped into Sea
C-L. Chen (1) presenting; Institute of Ocean Technology and Marine Affairs, National Cheng Kung University, Taiwan (1).

International climate negotiation from the bottom-up: an agent-based model of domestic energy-economy dynamics and international climate policy
M.D. Gerst (1,2) presenting, P. Wang (1), P. Ding (1), A. Roventini (3), G. Bang (4), G. Dosi (5); Dartmouth College, USA (1), Tellus Institute, USA (2), University of Verona, Italy (3), CICERO, Norway (4), Sant'Anna School of Advanced Studies, Italy (5)

Deliberate visions on a sustainable world
G. Meskens (1) presenting; University of Ghent, Belgium (1)

Session: Sustainable Consumption

Effectiveness of awareness raising campaigns: an example about responsible water consumption
A. Storni (1), S. Sala (2), V. Castellani (1) presenting, C. Sossan (3); Università degli Studi di Milano Bicocca, Italy (1), European Commission - Joint Research Centre, Italy (2), Comitato Italiano Contratto Mondiale sull’Acqua, Italy (3)

A systematic approach for climatic governance of Taiwan
Y.C. Chiang (1) presenting, H.C. Lee (2), G.R. Liu (3), P. Lu (4); Center for Environmental Studies, National Central University, Taiwan (1), Center for General Education, National Central University, Taiwan (2), Center for
Sustainable Development and Energy Poverty: are we making progress?
G.M. Jannuzzi (1,2) presenting; University of Campinas, Brazil (1), International Energy Initiative, Brazil (2)

Incentives for Promoting Green Citizenship and Consumerism in the Transition to a Green Economy
T. Stubbs (1), A. Merritt (1) presenting; Overseas Development Institute, UK (1), Independent development consultant, UK (2)

Agri-food systems and consumption: tipping points about the future of human food security
C.L. NOLASCO (1) presenting, Z. SOEIRO (1), J.P.H.B. OMETTO (1), M. LAHSEN (1); National Institute for Space Research [INPE], Brazil (1)

Do I really want to know? A cognitive dissonance-based explanation of other-regarding behavior
A. Matthey (1), T. Regner (1) presenting; Max-Planck-Institute of Economics, Germany (1)

Capital consumption: the transition to sustainable consumption and production in London
J. Hersey (1), N. Lazarus (1), S. Riddlestone (1) presenting, T. Chance (1), P. Head (2), A. Gurney (2); BioRegional, UK (1), London Sustainable Development Commission, UK (2)

Session: Global Governance

Methodological framework for sustainability assessment
B. Ciuffo (1) presenting, S. Sala (1); European Commission Joint Research Centre - Institute for Environment and Sustainability, Italy (1)

Key Event: Ecosystem Resilience

Green Investment and Business Performance: The African Experience
J. Adelegan (1) presenting; Global Network for Environment and Economic Development Research, Nigeria (1)

Green economy and efficiencies in agriculture
V. Gitz (1,3) presenting, A. Meybeck (1), H. Huang (2); FAO, Italy (1), OECD, France (2), CIRED, France (3)

Green economy and green growth: analysis of Benefits, challenges and Risks of green paradigms from a sustainable Development Perspective
A. Miola (1) presenting, M. Brandao (1), B. Ciuffo (1), M. Di Ponte (1), M. Goralczyk (1), N. Pelletier (1); EU Commission JRC-IES, Italy (1)

Incorporating the environment/economy relationship into local economic planning using the ecosystems approach; Local Economic Partnerships in England.
T.J. Sunderland (1) presenting; Natural England, UK (1)

Session: Global south

Access and Benefit Sharing: Namibia’s Lawmaking Process and Examples from the Field
M. Thiem (1) presenting, W. Odendaal (1); Legal Assistance Centre - Land, Environment and Development Project, Namibia (1)
Barriers to adaptation and uptake of external and local innovations to reduce vulnerability to climate change and poverty in sub-saharan africa
K. NSIAH-GYABAAH (1) presenting; RASCON Ltd, Ghana (1)

India’s Role in an International Legal Solution to the Global Climate Change Problem
S.P. Chitre (1) presenting; Islands First, USA (1), Emory University School of Law, USA (2)

Using a gender lens to enhance the resilience of rural livelihoods
S.E. Park (1) presenting, S. Hanartani (1), S. Supartiningsh (1), T. Handayani (1), J.R.A. Butler (1), A.P. Smith (1); CSIRO, Australia (1)

Key Event: South Asia

Improved Charcoal Production on Conserving Environment and Economics of Blacksmiths: Case Study from Nepal
R. Kattel (1) presenting; Institute of Agriculture and Animal Science (IAAS), Tribhuvan University (TU), Rampur Campus, Nepal (1)

Session: Poverty Alleviation

Searching for Viable Sustainable Resource Use Alternatives - The Cases of the Payment for Ecosystem Services and Coffee Plantations, Los Tuxtlas Biosphere Reserve, Veracruz, Mexico
A.C. de la Vega-Leinert (1) presenting, M. Weber (1), L. Brenner (2), C. Schaller (1), J. Strubel (1); Institute of Geography, University of Greifswald, Germany (1), Department of Sociology, Universidad Autónoma Metropolitana - Iztapalapa, Mexico (2)

What Can Forest Values Tell about Human Well-being? Insights from Two Biosphere Reserves in Madagascar
N.V.M. Fritz-Vietta (1) presenting; University of Greifswald, Germany (1)

Promoting biodiversity conservation, climate adaptation and mitigation and better rural livelihoods in tropical agriculture through the Rainforest Alliance Certification
G. Gondolini (1) presenting, M. Lopez (1), E. Castellanos (2); Rainforest Alliance, USA (1), Universidad del Valle de Guatemala, Guatemala (2)

The challenges of economic and environmental sustainability for organic coffee producers in Central America
J. Haggar (1) presenting, G. Soto (2); Natural Resources Institute, UK (1), CATIE, Costa Rica (2)

Applying the Ecosystem Health Approach to Social-ecological Systems: a Central African Perspective
A.P. Hejnowicz (1) presenting, D.G. Raffaelli (1); University of York, UK (1)

Institutionalizing Common Pool Natural Resources for Sustainability of Indigenous-Marginalized Communities Using Indigenous Knowledge and Traditional Resource Governance System in Himalaya
B. Joshi (1) presenting, P-C. Tiwari (1); Government Post Graduate College Rudrapur, Uttarakhand, India (1), Kumaon University, India (2)

Threats and public attempts of protecting indigenous knowledge in Bolivia: evidence form Lake Titicaca
M. Mancilla Garcia (1) presenting; University of Oxford, UK (1)
Another way to think about development: guaranting indigenous peoples rights and the human right to a healthy environment
D-E. Martínez-Melgar (1) presenting; Universidad del Valle de Guatemala, Guatemala (1)

Tangible or intangible value: a paradox: the case of participatory economic valuation of arabuko-kokoke forest
M.T.E. Mbuvi (1) presenting, W.O. Ayiemba (1); Kenya Forestry Research Institute, Kenya (1), Nature Kenya, Kenya (2), Kenyatta University, Kenya (3)

Estimating the Economic and Environmental Benefit of a Traditional Communal Water Irrigation System: The Case of Muang Fai in Northern Thailand
A. Mungsunti (1) presenting, K. Parton (1); Charles Sturt University, Australia (1)

Poverty and natural wealth co-existence: breaking this link through the management of natural resources in two tropical rural towns in Alvarado, Mexico.
C. Vázquez (1) presenting, P. Moreno-Casasola (2), J-L. Fermán (1), M-I. Espejel (1); Universidad Autónoma de Baja California, Mexico (1), Instituto de Ecología A.C., Mexico (2)

Session: Low Carbon Economy

Climate change impacts on farmer mental health: emerging connections
A. Fleming (1), E. Gaillard (1), A-M. Dowd (1) presenting, S. Park (1); CSIRO, Australia (1)

Patterns of mercury (Hg) contamination of fish in south-central U.S. and the link to anthropogenic sources: results from reservoir surveys and atmospheric transport modeling
M.C. Slattery (1) presenting, R.W. Drenner (1), M.M. Chumchal (1); Texas Christian University, USA (1)

Session: Environmental change

Climate Change and Health Effects in the Monarch Butterfly Region of Mexico: A Disaster Report.
A. Molina-Garcia (1), A. Cervantes_Gutierrez (1), G. Figueroa-Aguilar (1), J. Martinez-Ponce (1) presenting; Ministry of Health at Michoacan State, Mexico (1)

Long wave epidemics: climate change, HIV and AIDS and systemic responses
A.A. Misselhorn (1) presenting, S. Drimie (2,3), T. Quinlan (2); HEARD, South Africa (1), Consultant, South Africa (2), University of Stellenbosch, South Africa (3)

Sustainable Livelihoods and Forest Management in Nigeria
T.I. Aneni (1) presenting; Sustainable Environment Development Initiative, Nigeria (1)

Climate Change and Inequality Of Human Health: Spatial Assessment Approach
D. Sutrisno (1) presenting, R. Windiastuti (1); Geomatic Research center- National Coordinating Agency For Survey and Mapping, Indonesia (1)

Session: Paradigm Shifts

Policy packages for CO2 reduction
N. Bardsley (1) presenting; University of Reading, UK (1)

A wolf in sheep's clothing: rhetoric and reality in South Africa's energy & climate change policy-making.
J.A. Burton (1) presenting, K. Coetzee (1); Energy Research Centre, University of Cape Town, South Africa (1)

An integral ecology of worldviews: reflexivity and communicative action for sustainable development
A. Hedlund-de Witt (1) presenting, N. Hedlund-de Witt (2); Institute for Environmental Studies, The Netherlands (1), Integral Research Center, USA (2)

A climate of responsibility: qualitative analysis of global business leadership groups
A. Jones (1) presenting, N. Bartlett (2); Anglia Ruskin University, UK (1), University of Cambridge, UK (2)

When the temperature rises more than 2°C what will we do?: non linear interrelationships between atmospheric and ecosystem stressors and human activity
D. Taylor (1) presenting; Hofstra University, USA (1)

Session: National Action Plans

Financial opportunity and risk in the selection of REDD countries
D-P. Bebber (1) presenting, F. Lambrick (2), N-D. Brown (2); Earthwatch Institute, UK (1), University of Oxford, UK (2)

Evolving Green Technologies in an Era of Financial Instability and Structural Change
G.B.R. Lambais (1) presenting, G. Gonçalves (2); Institute of Economics, University of Campinas, Brazil (1), Limpgas Tecnologia, Brazil (2)

Links between climate change- and biodiversity-related institutions on REDD+
K. Morita (1) presenting; National Institute for Environmental Studies, Japan (1)

Session: Food Supply Chains

Weather index insurance and derivatives: a crucial mechanism in climate change adaptation
A.A. Adeyinka (3) presenting, C. Krishnamurti (1), T. Maraseni (2); Australian Centre for Sustainable Catchment, University of Southern Queensland, Australia (1), Australian Centre for Sustainable Business and Development, University of Southern Queensland, Australia (2), Australian Centre for Sustainable Catchment, University of Southern Queensland, Australia (3)

Modelling UK Consumption Based Emissions under Different Climate Change Scenarios in an Environmentally Extended Multi-Regional Input-Output Model: A Focus on the Consumption and Production of Food
E. Dawkins (1,3) presenting, R. Wood (2,4); University of York, UK (1), University of Manchester, UK (2), Stockholm Environment Institute, UK (3), Tyndall Centre for Climate Change Research, UK (4)

Development of the pioneer organic beef supply chain in the Mexican tropics - a decade of experiences in extension, education and research to promote sustainable beef production
P. Fajersson (1,3) presenting, P. Parada (2); EcoAgroPec, Mexico (1), Carnes La Rumorosa, Mexico (2), Colegio de Postgraduados-Campus Veracruz, Mexico (3)

Changing Precipitation Pattern and its Impact on Food System in Himalaya: Responses & Constraints to Adaptation in Indigenous-Marginalized Mountain Communities
Developing spring wheat ideotypes for India 2020 to 2100 using a crop-climate ensemble
A-K. Koehler (1) presenting, A. Challinor (1); Institute for Climate and Atmospheric Science, School of Earth and Environment, University of Leeds, UK (1)

Putting Communities Back on Top: Aligning Climate Finance to Advance Local Priorities for Adaptation, Sustainable Agriculture, and Landscape Co-Benefits
S. Shames (1), J.C. Milder (1,2) presenting, P. Franks (3), G. Gandloini (4), S.J. Scherr (1), C. Rumbaitis del Rio (5); EcoAgriculture Partners, USA (1), Cornell University, USA (2), CARE, Kenya (3), Rainforest Alliance, Costa Rica (4), Rockefeller Foundation, USA (5)

Inclusion of Asian Smallholder Farmers in Climate-Smart Strategies and Incentives for Adaptation to and Mitigation of Climate Change Effects
A. Mishra (1) presenting, I. Anas (2), N. Uphoff (3); Asian Institute of Technology, Bangkok, Thailand (1), Institut Pertanian Bogor, Indonesia (2), Cornell University, Ithaca, NY, USA (3)

Prospects for improved management of nitrogen for food and climate security
J-D. Ridley (1) presenting, M-W. Lawrence (1), J. Storey (1); Ocean Nourishment Corporation, Australia (1)

Adaptation and Mitigation of the Supply Chains of Staple Food in the UK to Climate Change
M. Roeder (1) presenting, P. Thornley (1), G. Campbell (1); University of Manchester, UK (1)

Development and In-Field Testing of a Sustainability Assessment Method for Durum Wheat Cultivation
L.F. Ruini (1) presenting, M. Zerbini (1), M. Silvestri (1), E. Ferrari (1), P. Meriggi (2), M. Marino (3); Barilla G.R. F.lli S.p.A., Italy (1), Horta S.r.l., Italy (2), Life Cycle Engineering, Italy (3)

Pressures on agricultural production and supply chains in the Mekong Delta, Vietnam - sustainable food provisioning in view of climate change and national food self-sufficiency
Z. Sebesvari (1) presenting, L.T.T. Huong (1), J. Kloos (1), F.G. Renaud (1); United Nations University, Institute for Environment and Human Security, Germany (1)

Climate change adaptation and mitigation in the UK food system - consumer and stakeholder views on scenarios for 2050
L. Thom (1) presenting, C. McLachlan (1), C. Gough (1), A. Bows (1), S. Mander (1); University of Manchester, UK (1)

The application of an environmentally extended input-output model to examine the greenhouse gas emissions associated with future consumption scenarios
F. Wood (1,4) presenting, E. Dawkins (2,1), J. Barrett (3,1); Sustainable Consumption Institute, UK (1), Stockholm Environment Institute, UK (2), Sustainability Research Institute, UK (3), Tyndall Centre for Climate Change Research, UK (4)

Session: Water management

Watershed management: building perspectives for the water resources conservation
R-F. BICUDO DA SILVA (1) presenting, C-R. LOPES ZIMBACK (2); Campinas State University, Brazil (1), Sao Paulo State University, Brazil (2)

Assessing potential climate change impacts on water resources in the tropical Andes
W. Buytaert (1) presenting, B. De Bièvre (2); Imperial College London, UK (1), CONDESAN, Ecuador (2)

The Struggle for Adaptation to Environmental Change. The Case of Canela in Semi Arid Chile
F. Codoceo (1) presenting, H.J. Böhmer (1); Interdisciplinary Latin America Center. University of Bonn, Germany (1), Department of Ecology and Ecosystem Management. Technical University of Munich, Germany (2)

Water, Population and Development in São José dos Campos' Administrative Region, São Paulo, Brazil: present and future challenges
L. Freire de Mello (1) presenting; Universidade do Vale do Paraíba, Brazil (1)

The AguaAndes policy support system: a tool for rapid prototyping of interventions with impacts
A.J.J. van Soesbergen (1) presenting, M. Mulligan (1); King's College London, UK (1)

Designing climate-smart water management strategies in Cochabamba, Bolivia
J. Wilk (1) presenting, I. De Callejo (2), S. Encinas (2); Linköping University, Sweden (1), Universidad Mayor de San Simón, Bolivia (2)

Session: Mountains

Lessons from Alpine space activities for integrative regional development in mountain regions
T. Dax (1) presenting; Federal Institute for Mountainous and Less-Favoured Areas, Austria (1)

Factors affecting sustainability and adaptability to global change in a rural mountain community in South Africa
J.W.H. Ferguson (1) presenting, E. Torquebiau (2,1), C.J. Rautenbach (1); University of Pretoria, South Africa (1), CIRAD, France (2)

Energy planning in mountainous areas: An important step towards sustainable mountain policy
K. Sbonias (1), N. Katsoulakos (1) presenting, D. Kaliampakos (2); Metsovion Interdisciplinary Research Center, Greece (1), National Technical University of Athens, Greece (2)

Effects of global warming on the snow as a water resource in the Japanese Alps
K. Suzuki (1) presenting; Institute of Mountain Science, Shinshu University, Japan (1)

Institutionalizing Common Pool Natural Resources in Himalayan Headwaters: A Prerequisite for Highland-Lowland Ecological, Socio-economic and Political Sustainability
P-C. Tiwari (1) presenting, B. Joshi (1); Kumaon University, India (1), Government Post Graduate College Rudrapur, Uttarakhand, India (2)

Key Event: Ecosystem

BIORIGHTS - The New Conservation Paradigm Promising Pro Poor Sustainable Development in Planet Under Pressure
A. Chatterjee (1) presenting, C. Chatterjee (1); GREEN Interpreters, India (1), Greenpoint Environmental Services, India (2)

Conceptualising Ecosystem Services for Poverty Alleviation
J. Fisher (1) presenting, G. Patenaude (1); The University of Edinburgh, UK (1)

Human adaptation to biodiversity change: conceptualising poverty-ecosystem service feedbacks
P.L. Howard (1) presenting; University of Kent, UK (1), School of African and Oriental Studies, University of London, UK (2)

Urban agriculture as a possible tool of environmental service provision – the case of the municipality of Juiz de Fora, Brazil.
C.L. NOLASCO (1,2) presenting, V.P.S. PINTO (1); National Institute for Space Research [INPE], Brazil (1), Post-graduation Program in Ecology - Federal University of Juiz de Fora [UFJF], Brazil (2)

How can ecosystem service science contribute to poverty alleviation in a turbulent world?
M. Tengö (1) presenting, R. Biggs (1), L. Dziba (2), M. Hamann (1), B. Reyers (1), V. Tuinder (1); Stockholm Resilience Center, Sweden (1), CSIR, South Africa (2)

Session: Challenges in hazard research

Extreme events and health protection
V.S.G. Murray (1) presenting, C.A. Carmichael (1); Health Protection Agency, London, UK (1)

Human behavioral ecology: new tools for analyzing symbolic value and ecosystem services, and implications for a democratic, sustainable economy and policy.
T. Bongard (1) presenting; Norwegian Inst for Nature Research, Norway (1)

Psychological barriers to connecting people to the challenges of climate change
J.T. Kiehl (1) presenting; National Center for Atmospheric Research, USA (1)

Distinguishing forms of efficacy judgements for large-scale social dilemmas
A. Koletsou (1) presenting, R. Mancy (1); University of Glasgow, UK (1)

Climate Change in the Australian Community: Responses and Inaction
Z. Leviston (1) presenting; CSIRO, Australia (1)

Effective means in changing people’s travel behavior and the role of habits
I. Thronicker (1), J. Schuppan (1) presenting, S. Harms (1); Helmholtz-Centre for Environmental Research, Germany (1)

Other

Protected area effectiveness in reducing deforestation, in the eastern arc mountains, tanzania.
C. Larrosa (3,1), L. Coad (1) presenting, J. Green (2), P. Platts (2), S. Abele (1), N. Burgess (2,4); University of Oxford, UK (1), University of Cambridge, UK (2), Imperial College London, UK (3), WWF UK, UK (4)

Community perception of biodiversity conservation within protected areas in Benin
F.G. VODOUHE (1) presenting, O. COULIBALY (2), A. ADEGBIDI (3), B. SINSIN (1); Laboratoire d’Ecologie Appliquée, Université d’Abomey-Calavi, Benin (1), Institut International d’Agriculture Tropicale, Cotonou, Benin (2), Laboratoire d’Etude sur la Pauvreté et la Performance de l’Agriculture de la Faculté des Sciences Agronomiques Université d’Abomey-Calavi, Benin (3), Laboratoire d’Ecologie Appliquée, Université d’Abomey-Calavi, Benin (4)

Stemming the flow: a new direction for carbon governance
C. Rapley (1) presenting, J. Agar (1), P. Ekins (1), C. Redgwell (1); University College London, UK (1)
Integrating Science and Governance for Collective Management of Catchments and Watersheds
L. Smith (1) presenting, K. Hiscock (1); SOAS, University of London, UK (1)