

First

GLOBAL SOIL WEEK		SOILS FOR LIFE
---------------------------------	--	-------------------------------



PROGRAMME

BERLIN, 18 - 22 NOVEMBER 2012
SCANDIC HOTEL BERLIN POTSDAMER PLATZ
WWW.GLOBALSOILWEEK.ORG

Partners:



This event takes place in the framework of the Global Soil Partnership:



Funded by:



Media partners:



TABLE OF CONTENTS

Partners, Sponsors and Media Partners of the Global Soil Week.....3

Welcome to the first Global Soil Week 20126

The Global Soil Week’s Host8

From Soil Knowledge to Soil Action8

Global Soil Forum Steering Committee8

Global Soil Forum National Support Group.....9

GLOBAL SOIL WEEK10

Registration.....14

Reception14

Go-Public Kick-off.....14

Dynamic Knowledge Panel15

Marketplace of Ideas.....16

Keynotes on Tuesday17

Global Soil Week Dinner & Soil-smart Cooking Event.....17

Agenda for Action18

Implementing the Agenda for Action.....19

Excursions19

Issue Papers21

PLATFORM SESSIONS: An Integrative Perspective on Soils

The Soil & Water Nexus for Sustainable Livelihoods.....24

Ecosystem Services of Soils: Competition & Synergies27

Soil Security28

Ecosystem Services for Business30

The Syndrome Perspective: A Focus on Soil Contamination.....31

Holding actors accountable34

PLATFORM SESSIONS: Lessons Learned in Addressing Challenges to Soils

Greenbelt Movements and the Ethiopia’s Tigray Project36

Payments for Ecosystem Services38

Raising Soil Awareness40

Soil Information For Environmental And Societal Sustainability42

Voluntary Guidelines on Land Governance43

8-HOUR DIALOGUE SESSIONS:

Urbanization: Challenges to Soil Management.....46

Global Land and Soil Degradation49

Global Soil Policy53

Natural Resource Governance56

Securing the Commons60

4-HOUR DIALOGUE SESSIONS PART I:

Nutrient for Food or Pollution!64

Sustainable Land Management.....67

Economics of Land Degradation.....70

4-HOUR DIALOGUE SESSIONS PART II:

Markets for Soil Organic Carbon: A Feasible Policy Solution for Smallholders?74

The Soil-Energy Nexus.....76

Challenges for Intensifying International Soil Research Cooperation78

From Deep Down: A Social Sculpture Soil Seminar.....81



WELCOME TO THE FIRST GLOBAL SOIL WEEK 2012

Dear participants, dear friends,

It is a great pleasure to welcome you to the first Global Soil Week 2012. I would like to thank you for taking part in this global endeavor!

Soils are a non-renewable resource that we continue to lose at incredibly high rates: Conservative estimates arrive at the 24 billion tons of fertile soil that are lost each year. This is not restricted to arid environments, land and soil degradation is a global issue. It already affects 1.5 billion people. At the same time, we need to ensure the food security of almost nine billion people by 2050 in face of climate change, water scarcity and a loss in biodiversity. To this end, fertile soils are essential.

However, soils tend to be a forgotten resource. Given the challenges at hand we urgently need to change this. Soil scientists have already gathered tremendously valuable insights into how we can manage our soils sustainably. We need to foster the transformation of this knowledge into tangible activities on the ground. Soils also need to feature more prominently on the international development and environmental agenda. It is high time to raise public awareness and to engage politicians in coordinated approaches to sustainably manage soils. We need to put a stop to continued land and soil degradation for global food security.

The Global Soil Week sets out to contribute to this aim. It not only highlights future areas of an integrated soil science but also shows that solutions exist to address the challenges our soils are facing. Further, the Global Soil Week supports communication processes contributing to sustainable soil management.

We are proud to organize the Global Soil Week as a contribution to the Global Soil Partnership. Ensuring the maintenance of globally relevant soil functions requires such an international mechanism to coordinate joint initiatives. The transfer of soil-related knowledge into action will not be done overnight. It will require long-term commitment. I am, therefore, glad to announce that we have organized the Global Soil Week as a process: The various sessions in the programme will initiate exchanges between different actors towards a joint aim: soils for life, soils for sustainable development. The team of the Global Soil Forum of the Institute for Advanced Sustainability Studies (IASS) stands ready and looks forward to facilitating the continuation of this exchange in the future.

Beyond all the important topics that are on our agenda, we hope you will enjoy being part of the community and will have an inspiring time here with us. Last but not least, I hope to be able to welcome you again for the next Global Soil Week!

Sincerely yours,

Prof. Dr. Klaus Töpfer
Executive Director
Institute for Advanced Sustainability Studies, e.V.



THE GLOBAL SOIL WEEK'S HOST

The Institute for Advanced Sustainability Studies (IASS) Potsdam established the Global Soil Forum (GSF) in 2011.

In cooperation with the leading actors in the field, the Global Soil Forum initiates processes that foster the translation of soil knowledge into tangible action. Additionally, the GSF acts as a voice in national and international policy debates, advocating for soil management approaches that contribute to achieving sustainable development and an equitable access to this finite resource.

The Global Soil Forum is organising and hosting the first Global Soil Week 2012. The GSW will take place each year as an international multi-stakeholder event on soils and their sustainable management.

FROM SOIL KNOWLEDGE TO SOIL ACTION

Soil resources are essential to ensure sustainable development, to support ecosystem services, biodiversity conservation and climate change adaptation and mitigation.

Even though they play these important roles, soils around the world are suffering a continuous decline in quality and are being taken over by urban sprawl. This trend leads to issues of food insecurity, contamination of water resources, desertification and increased vulnerability to extreme climatic events. Moreover, the continual degradation of soils undermines the Millennium Development Goal of poverty and hunger eradication.

A rich base of knowledge on sustainable soil management already exists. However, we must investigate ways of translating this knowledge into action on the ground.

GLOBAL SOIL FORUM STEERING COMMITTEE

Our Steering Committee comprises of internationally known and respected practitioners, scientists and policy-makers in the field of the sustainable management and protection of soils:

- » Prof. Dr. Joachim von Braun, Director, ZEF – Center for Development Research, Bonn, Germany
- » Pia Bucella, Director, Directorate B - Nature, Biodiversity and Land Use, DG Environment, European Commission, Brussels, Belgium
- » Nitin Desai, Consultant, India
- » Tewolde Egziabher, Director-General, Ethiopian Environmental Protection Authority, Addis Ababa, Ethiopia
- » Jochen Flasbarth, President, UBA – German Federal Environmental Agency, Dessau, Germany

- » Luc Gnacadja, Executive Secretary, UNCCD – United Nations Convention to Combat Desertification, Bonn, Germany
- » Prof. Dr. Dr. h.c. Reinhard F. J. Hüttel, Chairman of the Board and Scientific Executive Director, Helmholtz Centre Potsdam, GFZ German Research Centre for Geosciences, Potsdam, Germany
- » Dr. Manfred Konukiewicz, Deputy Director General, Global and Sectoral Policies, BMZ – Federal Ministry for Economic Cooperation and Development, Bonn, Germany
- » Prof. Dr. Rattan Lal, Professor, The Ohio State University, Ohio, USA
- » Alexander Müller, Assistant Director-General, Natural Resources Management and Environment Department, FAO – Food and Agriculture Organization of the United Nations, Rome, Italy
- » Tumusiime Rhoda Peace, African Union Commissioner for Rural Economy and Agriculture, Addis Ababa, Ethiopia
- » Prof. Dr. Monkombu S. Swaminathan, Chairman, M S Swaminathan Research Foundation, Chennai, India
- » Prof. Dr. Dr. Klaus Töpfer, Executive Director, IASS – Institute for Advanced Sustainability Studies e.V., Potsdam, Germany

GLOBAL SOIL FORUM NATIONAL SUPPORT GROUP

The National Support Group is formed by German representatives from government, academia and civil society. The Group provides support and advice for the design of the Global Soil Week. Furthermore, the members of the National Support Group will provide substantive contributions and input at the Global Soil Week 2012:

- » Prof. Dr. Joachim von Braun, Director, Department of Economic and Technological Change, Center for Development Research (ZEF)
- » Bernt Farcke, Head of Directorate 52 „Sustainability and Renewable Resources“, Federal Ministry of Food, Agriculture and Consumer Protection (BMELV)
- » Dr. Frank Glante, Head of Section „Soil Quality, Soil Monitoring“, Federal Environment Agency (UBA)
- » Dr. Irene Heuser, Deputy Chair, Sustainable Use of Soils and Desertification Specialist Group, Commission on Environmental Law, International Union for Conservation of Nature (IUCN)
- » Reinhard Kaiser, Head of Directorate WA III „Ecological Resource Efficiency, Soil Conservation“, Federal Ministry for the Environment, Nature Conservation and Nuclear Safety (BMU)
- » Dr. Hildegard Kurt, The Founder and Director, und Institut für Kunst, Kultur und Zukunftsfähigkeit
- » Prof. Dr. Franz Makeschin, National Academy of Science and Engineering (acatech)
- » Dr. Stefan Schmitz, Head of Division „Rural Development; Global Food Security“, Federal Ministry for Economic Cooperation and Development (BMZ)



- » Dr. Bernd Uwe Schneider, Staff Scientific Executive Board, Helmholtz Centre Potsdam German Research Centre for Geosciences (GFZ)
- » Prof. Dr. rer. nat. Thomas Scholten, Chairman, Aktionsplattform Bodenschutz c/o Deutsche Bodenkundliche Gesellschaft (DBG)
- » Dr. Imme Scholz, Deputy Director of the German Development Institute / Deutsches Institut für Entwicklungspolitik (DIE) Management
- » Dr. Anneke Trux, Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ)
- » Ingo Valentin, Friends of the Earth Germany (BUND)
- » Prof. Dr. Hubert Wiggering, Spokesperson, Deutsche Agrarforschungsallianz (DAFA)
- » Marita Wiggerthale, Policy Advisor „Global Trade Issues, Food Policy“, Oxfam Deutschland e.V.
- » Michael Windfuhr, Deputy Director, German Institute for Human Rights

GLOBAL SOIL WEEK

The First Global Soil Week (GSW) offers a forum for interactive exchange and dialogue. Stakeholders from science, government, business and civil society are encouraged to share their land and soil related experience and expertise and to develop plans of action for sustainable land/soil management and governance. We envisage a series of dynamic, focused sessions to facilitate the interaction between the participants. The First Global Soil Week will provide a platform to initiate follow-up actions on land and soil-related decisions made at the Rio+20 Sustainable Development Conference and will take place within the framework of the FAO's Global Soil Partnership. The Global Soil Week arises from the collaboration between the Global Soil Forum and its partners:

- » Deutsche Gesellschaft für Internationale Zusammenarbeit,
- » European Commission,
- » Food and Agriculture Organization of the United Nations,
- » German Federal Environmental Agency,
- » German Federal Ministry for Economic Cooperation and Development,
- » United Nations Convention to Combat Desertification and
- » United Nations Environment Programme

We invite you to participate!



TIMETABLE

SUN 18.11	12:00 - 16:00	„Grounded“ - A festival of films for the Global Soil Week Venue: Arsenal Kino, Potsdamer Straße 2; free entrance
	16:00 - 19:00	Registration
	19:00	Reception

MON 19.11	09:00 - 11:00	Registration & Refreshments
	11:00 - 12:30	Go-Public Kick-off Welcome, Keynote Speeches, Visual Opener
	12:30 - 14:00	Lunch & Marketplace of Ideas
	14:00 - 16:30	Dynamic Knowledge Panel
	16:30 - 17:00	Refreshment Break
	17:00 - 19:00	Platform Sessions: “An Integrative Perspective on Soils” <div><div>#1 The Soil & Water Nexus for Sustainable Livelihoods</div><div>#2 Ecosystem Services of Soils: Competition & Synergies</div><div>#3 Soil Security</div><div>#4 Ecosystem Services for Business</div><div>#5 The Syndrome Perspective: A Focus on Soil Contamination (I) (Part II on Tuesday)</div><div>#6 Holding actors accountable (I) (Part II on Tuesday)</div></div>

TUE 20.11	09:00 - 10:30	Keynotes
	10:30 - 11:00	Refreshment Break
	11:00 - 13:00	Platform Sessions: “Lessons Learnt in Addressing Challenges to Soils” <div><div>#7 Greenbelt Movements (...)</div><div>#8 Payments for Ecosystem Services</div><div>#9 Raising Soil Awareness</div><div>#10 Soil Information for Environmental and Societal</div><div>#11 Voluntary Guidelines on Land Governance</div><div>#12 Urbanization: Challenges to Soil Management</div><div>#13 Global Land and Soil Degradation</div><div>#14 Global Soil Policy</div><div>#15 Natural Resource Governance</div><div>#16 Securing the Commons</div><div>#17 Nutrient for Food or Pollution</div><div>#18 Sustainable Land Management</div><div>#19 Economics of Land Degradation</div><div>#20 Markets for Soil Organic Carbon</div><div>#21 The Soil-Energy Nexus</div><div>#22 Challenges for Intensifying International Soil Research Cooperation</div><div>#23 From Deep Down.</div></div>
	13:00 - 14:30	Lunch & Marketplace of Ideas
	14:30 - 18:30	8-hours Dialogue Sessions (will be continued on Wednesday) <div><div>#12 Urbanization: Challenges to Soil Management</div><div>#13 Global Land and Soil Degradation</div><div>#14 Global Soil Policy</div><div>#15 Natural Resource Governance</div><div>#16 Securing the Commons</div><div>#17 Nutrient for Food or Pollution</div><div>#18 Sustainable Land Management</div><div>#19 Economics of Land Degradation</div><div>#20 Markets for Soil Organic Carbon</div><div>#21 The Soil-Energy Nexus</div><div>#22 Challenges for Intensifying International Soil Research Cooperation</div><div>#23 From Deep Down.</div></div>
	19:30	Shuttle to dinner location
	20:00	Dinner

WED 21.11	09:00 - 13:00	8-hour Dialogue Sessions (continuation) <div><div>#12 Urbanization: Challenges to Soil Management</div><div>#13 Global Land and Soil Degradation</div><div>#14 Global Soil Policy</div><div>#15 Natural Resource Governance</div><div>#16 Securing the Commons</div><div>#20 Markets for Soil Organic Carbon</div><div>#21 The Soil-Energy Nexus</div><div>#22 Challenges for Intensifying International Soil Research Cooperation</div><div>#23 From Deep Down</div></div>
	13:00 - 14:15	Lunch & Marketplace of Ideas
	14:15 - 15:00	Group Photo
	15:00 - 17:30	Agenda for Action Wrap-up event and plans for the future
	17:30 - 18:00	Refreshment Break

THU 22.11	09:00 - 12:30	Implementing the Agenda for Action Working groups
	12:30 - 13:30	Lunch
	14:00 - 17:00	Excursion ECF container farm
	14:00 - 17:00	Excursion City tour Berlin
	08:00	Depart Hotel
	10:00-12:00	Trip to the Lignite open cast mine in Welzow (Vattenfall)
	12:00-13:00	Lunch Break
	13:00-13:30	Viniculture in the Post-Mining Landscape
	13:30-14:30	Chicken Creek
	14:30-16:30	Agroforestry Systems
	16:30	Return to Berlin

REGISTRATION

Sunday, 18.11.2012 Start: 17:00hrs

Monday, 19.11.2012, 9:00-11:00hrs

Scandic Hotel Berlin, Lobby

RECEPTION

Sunday, 18.11.2012, Start: 19:00hrs

- » Meet and Greet in the Scandic Hotel, Lobby
- » Ice Breaker and Networking
- » Food and Drinks
- » Music

GO-PUBLIC KICK-OFF

Monday, 19.11.2012, 11:00-12:30hrs

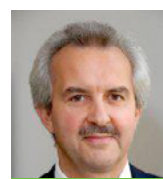
Movie Premiere „Let's Talk About Soil“

Producer: Uli Henrik Streckenbach, freelance Designer and Animator, Producer of the award winning movie “The Overfishing of the Ocean” (<http://www.uhsless.de/?p=25>)

Welcome by Prof. Dr. Dr. Klaus Töpfer, Executive Director, Institute for Advanced Sustainability Studies (IASS)

Keynotes:

- » Sheikh Hamad bin Ali bin Jassim Al-Thani, Vice Chairman of the Qatar National Food Security Programme
- » José Graziano da Silva, Director-General, Food and Agriculture Organization of the United Nations (FAO) (tbc)
- » Prof. Dr. Dr. h.c. Reinhard F. J. Hüttnl, Helmholtz-Zentrum Potsdam, Deutsches GeoForschungsZentrum (GFZ)



- » Dr. Braulio Ferreira de Souza Dias, Executive Secretary, United Nations Convention on Biological Diversity (UNCBD)



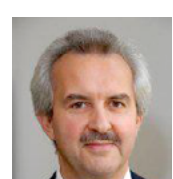
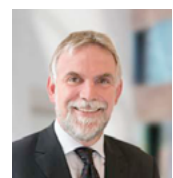
- » Severin Kodderitzsch, Sector Manager, Agriculture and Irrigation Unit, World Bank

DYNAMIC KNOWLEDGE PANEL

Monday, 19.11.2012, 14:00-16:30hrs

Distinguished panelists:

- » Chair: Prof. Dr. Dr. Klaus Töpfer, Executive Director, Institute for Advanced Sustainability Studies (IASS)
- » Karl Falkenberg, European Commission, Director-General, Environment (EC-DG ENV)
- » Jochen Flasbarth, President, German Federal Environment Agency (UBA), Germany
- » Luc Gnacadja, Executive Secretary, United Nations Convention to Combat Desertification (UNCCD)
- » Prof. Dr. Dr. h.c. Reinhard F. J. Hüttnl, Helmholtz-Zentrum Potsdam, Deutsches GeoForschungsZentrum (GFZ)
- » José Graziano da Silva, Director-General, Food and Agriculture Organization of the United Nations, FAO (tbc)



- » Achim Steiner, Executive Director, United Nations Environment Programme (UNEP) and Under-Secretary-General, United Nations (UN) (tbc)



- » Dr. Manfred Konukiewitz, Deputy Director General, Global and Sectoral Policies, Federal Ministry for Economic Cooperation and Development - BMZ



MARKETPLACE OF IDEAS

Monday, 19.11.2012, 12:30-14:00hrs

Tuesday, 20.11.2012, 13:00-14:30hrs

Wednesday, 21.11.2012, 13:00-14:30hrs

Flyers/Posters/Publications/Maps/Epoxy Resin Soil Profiles/Animal Displays/Exhibition “Under Cover”/Painting/ Mobile Soil Exhibition/Movies and much more

Global Soil Partnership (GSP), International Soil Reference and Information Centre (ISRIC), Boden des Jahres (Soil of the Year), European Commission - Directorate General Joint Research Centre (EC-DG-JRC), Federal Institute for Geosciences and Natural Resources, Interview “Soil Booth”, Schölerberg Natural History Museum Osnabrück, Oekom Verlag (publishing company), European Land and Soil Alliance ELSA – Austria, Haus der kleinen Forscher in Berlin (House of little Explorers in Berlin), Umweltbundesamt (UBA – German Federal Environment Agency), Bundesministerium für Bildung und Forschung (BMBF – Federal Ministry of Education and Research) – Fördermaßnahme „Nachhaltiges Landmanagement“, Media library, United Nations Convention to Combat Desertification (UNCCD), Artist Betty Beier – Erdschollenarchiv (Earth Print) (tbc), Helga Restum Hissa - MICRO-WATERSHEDS SIMULATOR and “LAND PAINTS” (tbc)

KEYNOTES ON TUESDAY

Tuesday, 20.11.2012, 9:00-10.30hrs

- » Prof. Dr. Joachim von Braun, Zentrum für Entwicklungsforschung (ZEF - Center for Development Research), University of Bonn



- » Yaya Adisa Olaitan Olaniran, Permanent Representative of Nigeria to FAO and Chair of the FAO Committee and Food Security



- » Prof. Dr. Rainer Horn, President-Elect of the International Union of Soil Sciences (IUSS) and Professor of Soil Science, University of Kiel



- » Olivier de Schutter, video message

- » Dr. Madiodio Niasse, Director of the International Land Coalition Secretariat



GLOBAL SOIL WEEK DINNER & SOIL-SMART COOKING EVENT

“COOK IT GREEN!” Tuesday, 20.11.2012, Start: 20:00hrs

The Global Soil Week Dinner and soil-smart cooking event “Cook it Green!” will take place on Tuesday, November 20th, 2012 at 20:00hrs in the Heeresbäckerei, Köpenicker Str. 16/17, 10997 Berlin.

After water and air, it is high time for us to actively consider one of the most vital resources of all: soils. Soils are fundamental to the production of over 90% of the world’s food. But they are finite and threatened: Every year, 24 billion tons of soil are lost.



This is why we ask: How can we cook – how can we eat, without losing the ground under our feet?

To explore this question, we have invited star chef Sarah Wiener who will cook live together with Prof. Dr. Dr. Klaus Töpfer and prepare a soil-smart dinner for our over 300 international Global Soil Week guests.

Further highlights of the evening: Two prize winners of the Bundeswettbewerb Gesang Junior and Toni Meier, co-author of the study „Balancing Germany’s virtual land import by a moderate shift in the diet“, which deals with the environmental impacts of nutrition in Germany.

AGENDA FOR ACTION

Wednesday, 21.11.2012, 14:30-16.30hrs

Chairs’ conclusions

- » Prof. Dr. Dr. Klaus Töpfer, Executive Director, Institute for Advanced Sustainability Studies (IASS)



distinguished commentator’s:

- » Pia Bucella, Director, Directorate B - Nature, Biodiversity and Land Use, DG Environment, European Commission



- » Prof. Dr. Anne Glover, Chief Scientific Adviser to the President of the European Commission



- » Mr. Luc Gnacadja, Executive Secretary, United Nations Convention to Combat Desertification



- » Dr. Molly Jahn, Professor, Departments of Agronomy and Genetics University of Madison, Wisconsin, Special Advisor to the Chancellor and Provost for Sustainability Sciences



- » Dr. Manfred Konukiewitz, Deputy Director General, Global and Sectoral Policies BMZ – Federal Ministry for Economic Cooperation and Development, Bonn, Germany



- » Henry Tachie-Menson, Ghana’s Permanent Mission to the United Nations, New York



- » Ronald Vargas, Soils Officer, Soil and Water Division, FAO (GSP/FAO)



IMPLEMENTING THE AGENDA FOR ACTION

Thursday, 22.11.2012, 09:00-12.30hrs

We intend the Global Soil Week to be a process, which goes on after the Global Soil Week 2012. To that purpose, we invite you to join the Session “Implementing the Agenda for Action” in order to jointly organize follow-up activities on the sessions, in particular the Dialogue Sessions, and discuss potential next steps.

EXCURSIONS

Thursday, 22.11.2012, 08:30-15.30hrs; *8:30-15:30

- » ECF Container Farm (The new developed “ECF Containerfarm” is now equipped with the high efficient and patented Aquaponic-System ASTAFpro by the Leibniz Institut IGB. The basis is formed from a discarded 20 foot container with an integrated fish tank and a greenhouse roof. The ECF Containerfarm produces vegetables, herbs and fish in a closed water cycle)
- » City Tour Berlin (Guided City Tour)
- » Field trip – Open Cast Mine, „Chicken Creek“ Artificial Watershed, Alternative Land use Systems in Welzow-Sued Post-Mining Landscape, Agroforestry Systems*



Draft Agenda - One-day excursion:

08:00	Depart Hotel
10:00–12:00	Trip to the Lignite open cast mine in Welzow (Vat-tenfall)
12:00–13:00	Lunch Break
13:00–13:30	Viniculture in the Post-Mining Landscape
13:30–14:30	Chicken Creek
14:30–16:30	Agroforestry Systems
16:30	Return to Berlin

Artificial catchment Chicken Creek

The first station of the field trip will be the artificial catchment Chicken Creek established in 2005. The 6 ha large site offers multiple opportunities to explore the initial phase of ecosystem development starting from „point zero“ under well defined boundary conditions. The ongoing primary succession is not influenced by amelioration measures or artificial re-vegetation so that self-organization of the ecosystem as well as the development of structural elements and patterns can be studied without bias. The specific design of this research site enables integrative investigation of feedback between e.g. hydrological cycles, geomorphic structures and below- and aboveground parts of the vegetation and their effects on soil development and on adjacent aquatic systems.

Agroforestry Systems

The study site was created in spring 2007 on an approximately 2.8 ha area in the reclamation area of the pit Welzow-Sued. The alley-cropping system consists of two parts. The area is characterized by 12 m and 24 m wide field stripes and 12 m wide stripes of wood (4 double rows of black locust - Robinia pseudoacacia L.). On the field stripe an alfalfa-grass mixture was applied.

Trip into the active mining area

The last part of the field trip will be a tour to the active mining area in the open cast mine “Welzow-Sued”, where currently the second Lusatian coal seam is being excavated. This lies about 90 to maximum 130 m deep and is about 10 to 16 m thick. The direct clearing of the lignite seam takes place with a conveyor bridge type F60 – a multi-equipment system, comprising three high-performance bucket-chain dredgers type Es 3150 and Es 3750 and one over 600 meters long conveyer bridge. The actual mining of the raw material takes place with rotary excavators and bucket-chain dredgers in up- and deep-cut.

ISSUE PAPERS

A series of Issue Papers will be released at the Global Soil Week. These papers engage prominent actors in the soil sector to present cutting-edge soil and land issues for input into the week. The Issue Papers will be made available on www.globalsoilweek.org. The following issues are covered by the papers:

- » Soil and Land Governance (Institute for Advanced Sustainability Studies)
- » Economics of Land Degradation (Center for Development Research)
- » Food Security (Food and Agriculture Organization of the United Nations)
- » Global Soil and Land Degradation (University of Leeds)
- » Soil and Water (Wageningen University & European Commission DG Joint Research Center)
- » Resource Efficiency (European Commission DG Environment)
- » Biodiversity (United Nations Convention on Biological Diversity)
- » Soils in the Global Carbon Cycle (The Ohio State University)





Monday, 19.11.2012, 17:00-19:00hrs

PLATFORM SESSIONS:

AN INTEGRATIVE PERSPECTIVE ON SOILS

#1

The Soil & Water Nexus for Sustainable Livelihoods

Session abstract: The main theme of the session will center on the key role of the interactions between water and soil when considering sustainable livelihoods. This key role is not only crucial for agricultural production but also for other important considerations such as matter fluxes and matter turnover in terrestrial systems, also the mitigation of environmental hazards such as floods and droughts and the reduction of vulnerability and increased resilience of social-ecological systems exposed to these hazards. Although it seems intuitive that soil and water need to be considered jointly in research and policy-making addressing agricultural production and sustainable livelihoods, there is still plenty of evidence that these two topics are often discussed separately.

The main goal of this session will be to re-emphasize the critical importance of jointly considering soil and water issues for sustainable land management and sustainable livelihoods from the perspectives of the scientific community, extension specialists and policy makers.

Session hosts: Helmholtz-Zentrum für Umweltforschung (UFZ), United Nations University Institute for Environment and Human Security (UNU-EHS)

Session moderator: Mr. Sergio Zelaya, United Nations Convention to Combat Desertification (UNCCD)

Session schedule

Monday:

- 17:00 Introduction by moderator
Sergio Zelaya, UNCCD
- 17:05 Keynote: Linking soil, water and society
Dr. Johan Bouma, Wageningen University
- 17:20 Soil – Water: The Knowledge Gap
Prof. Dr. Kurt Roth, Institute for Environmental Physics. University of Heidelberg
- 17:30 Commented video – the WOCAT perspective
Dr. Hanspeter Liniger, WOCAT
- 17:45 Assessing soil erosion and devising soil and water conservation – the case of Pamir Mountains, Tajikistan
Dr. Susanne Nebel, IAEA
- 17:55 Land-water interactions and management options
Sally Bunning, FAO
- 18:05 Linking soil and water for eco-efficient and climate smart agriculture
Dr. Deborah Bossio, CIAT
- 18:15 Remote Sensing of Global Water and Soil Resources
Prof. Wolfram Mauser, LMU Munich
- 18:25 Panel discussion:
Key questions put to the panel
Interaction with audience
Moderated by Dr. Sergio Zelaya, UNCCD
Panelists:
 - » *Em. J. Bouma, Wageningen University*
 - » *Prof. Dr. Wolfram Mauser, LMU Munich*
 - » *Sally Bunning, FAO*
 - » *Dr. Hanspeter Liniger, WOCAT*



	» <i>Dr. Deborah Bossio, CIAT</i>
	» Prof. Dr. Kurt Roth, Institute for Environmental Physics, University of Heidelberg
18:55	Outlook from rapporteurs <i>Dr. Fabrice Renaud (UNU-EHS),</i> <i>Dr. Hans-Jörg Vogel (UFZ)</i>

#2

Ecosystem Services of Soils: Competition & Synergies

Session abstract:	Living soils provide many ecosystem services. Sustaining soils requires a new vision where soil biodiversity is more consistently integrated into management and policy plans. Policy making can counteract or reinforce external driving forces, such as climate change, but such policies are difficult to design. This session considers case studies from the Global Soil Biodiversity Initiative and policy options, to manage soil biodiversity initiative for enhanced ecosystem services. Two questions will be explored: (i) What are the options for systemic integration of soil ecosystem services into policy making? (ii) Which instruments are available for policy integration?
Session hosts:	Global Soil Biodiversity Initiative (GSBI), Leibniz Centre for Agricultural Landscape Research (ZALF)
Session moderator:	Prof. Dr. Diana Wall, Global Soil Biodiversity Initiative and Prof. Dr. Hubert Wiggering, ZALF
Session format:	Round table discussion with introductory statements
Session schedule:	Introductory statements are given by Prof. Dr. Diana Wall (Global Soil Biodiversity Initiative) and Prof. Dr. Hubert Wiggering (ZALF). Further input statements are given by Prof. Dr. Katarina Hedlund (Lund University) on soil ecosystem services in agriculture, Dr. Bráulio Ferreira de Souza Dias (CBD) on the relevance of soil ecosystem services for CBD, Prof. Dr. Anne Glover (European Commission) on “Why policy makers should be concerned about soil ecosystem services?”; on managing soil biodiversity for ecosystem services and fertile soils, Stephan Bartke (UFZ) on economic valuation, and Dr. Katharina Helming (ZALF) on policy impact assessment. Lively input from the audience into the discussion is highly welcome.



#3

Soil Security

Session abstract: Soil security is a concept that can engage the world in the importance of soil in providing solutions to climate change, food security, water and biodiversity. Soil carbon is the key indicator of soil security, and provides a focal point for measurement and monitoring of progress in securing soil. This concept is based on sound science, and provides a platform for policy frameworks that can be scaled from local through to international levels of government.

The goal of this session is to inform participants about:

- » The role of soil security as a policy platform
- » The science of soil security
- » The role of agriculture in securing soil through management of soil carbon
- » Soil carbon as a key indicator for global sustainability

Session hosts: Andrea Koch, The University of Sydney

Session schedule

Monday:

- 17:00
- Overview of soil security and international and domestic policy implications
Andrea Koch, Program Leader, Soil Carbon Initiative, United States Studies Centre
- 17:20
- Soil carbon and the science of soil security
Prof. Dr. Rattan Lal
Distinguished University Professor of Soil Science, The Ohio State University
- 17:40
- Soil security and the implications for agriculture and land management
Prof. Dr. Mark Adams
Dean, Faculty of Agriculture and Environment, University of Sydney
- 18:00
- Mapping and monitoring soil carbon on a global basis
Dr. Jon Hempel
Director, National Soil Survey Centre, USDA NRCS
- 18:20
- Interactive discussion with the audience



#4

Ecosystem Services for Business

Location: Scandic Hotel, Room

Session abstract: Soil-derived ecosystem services are essential for livelihoods as well as for business. Water cleansing or the production of food are just two examples among many. The session will highlight different perspectives on using, improving and restoring ecosystem services. In a panel discussion, representatives from different economic sectors will discuss the importance of soils for their business and ways to best use and preserve this resource. The session counts on representatives from the following organizations: COPA-COGECA, the association of the European umbrella organization for farmers and cooperatives; RWE AG, the German energy company who supplies more than 20 million electricity customers in Europe and is known for its mining activities in Germany; BASF, the largest diversified chemical company in the world who also supplies agricultural products and chemicals; and the Berlin Center of Competence for Water, an international center for water research and knowledge transfer that is inter alia linked to Veolia as international provider for environmental services.

Moderator: Prof. Dr. Franz Makeschin, Chair of Soil Science and Soil Protection, Institute for Soil Science and Site Ecology, Dresden University of Technology

Panelists:

- » Dr. Martina Hilgenstock, CR Operations/ Environmental Protection, RWE AG
- » Dr. Christian Kabbe, Program Manager for Resource and Energy Recovery from Wastewater and Project Manager, Berlin Center of Competence for Water
- » Dr. Gesche Grützmacher, Department Leader “Groundwater Resources”, Berlin Center of Competence for Water
- » Antonia Andúgar, Senior Policy Advisor, Copa-Cogeca
- » Dr. Folkert Bauer, Expert for Water, Soil and Soil and Plant Protection (D, AT, CH, Benelux), BASF – The Chemical Company

#5

The Syndrome Perspective: A Focus on Soil Contamination

Session abstract: Trans-disciplinary research and enforcement starts from pressing societal needs and develops its research questions and approaches from there. Some have suggested the so-called “syndrome” perspective as a way to describe particular soil-related challenges to sustainable development. It is a perspective that emphasizes the linkages between soils, other parts of the ecological system and the social system. Using the example of soil contamination within the dimension of industrial mega sites as well as affected rural areas this platform-session discusses the potentials and limitations of the “syndrome” perspective to develop trans-disciplinary research projects on soils and their sustainable management.

Case study presentations will give insights into initiatives addressing a couple of serious problems caused by both concentrated and diffuse pollution. Furthermore, presenters will offer different perspectives by reflecting related challenges with regard to their daily work.

The second part will follow a communicative world café approach in order to facilitate knowledge exchange processes amongst participants and to collate and incorporate more ideas in a proactive style. Thus, a broader picture of the “syndrome” is expected and participants are invited to discuss varied aspects with regard to their own background.

Session host: Joerg Frauenstein, Federal Environment Agency (Umweltbundesamt, UBA); Ingenieurtechnischer Verband für Altlastenmanagement und Flächenrecycling e.V. (ITVA)

Dr. Guenther Bachmann, Secretary General, German Council for Sustainable Development (RNE), Germany



Session schedule

Monday:

- 17:00 Welcome, Introduction about the contamination syndrome and goals of the two-days session
Dr. Guenther Bachmann, Secretary General, German Council for Sustainable Development (RNE), Germany
- 17:10 Case study 1: The Bophal disaster – damages, rehabilitation planning and challenges from the perspective of a German contractor
*Dipl.-Ing. Christian Poggendorf
Prof. Burmeier Ingenieurgesellschaft mbH, Germany*
- 17:30 Case study 1: from a local point of view, – 28 years after
Dr. Ravikumar Kandasamy, Mahatma Gandhi Institute for Rural Industrialisation (MGIRI), India
- 17:45 Case study 2: Dioxin-contamination in rural areas in Vietnam – legacy of “Agent Orange”?
Dr. Nguyen Hung Minh, Head of the Dioxin-lab at Vietnamese Environment Agency, Vietnam
- 18:05 Practical Experience with Environmental Projects in Vietnam
Perspective: How to implement actions and projects
Dr. Harald Mark, enVIET-Consult, Germany
- 18:20 Discussion
All participants
- 18:50 Summary/ conclusion
Dr. Guenther Bachmann, Secretary General, German Council for Sustainable Development (RNE), Germany

Session schedule

Tuesday:

- 11:00 Introduction
Joerg Frauenstein, Federal Environment Agency, UBA, Germany
- 11:10 World Café:
- Table: Diagnosis**
Dr. Dominique Darmendrail, Common Forum Network, France
- Table: Therapy and surgery**
Dr. Dominique Darmendrail, Common Forum Network, France
- Table: After care and Reuse**
Dr. Michael Beaulieu, Quebec Sustainable Development, Environment and Parks Ministry, Canada
- Table: Prevention**
Joerg Frauenstein, Federal Environment Agency, UBA, Germany
- 12:35 Presentation of table results and panel discussion – moderated by Andreas Bieber, Federal Ministry for the Environment, Nature Conservation and Nuclear Safety, Germany
- 12:55 Summary/conclusion – moderated by Andreas Bieber, Federal Ministry for the Environment, Nature Conservation and Nuclear Safety, Germany



#6

Holding actors accountable – Instruments for monitoring and transparency of large-scale land acquisitions and investments? What is in place, what is to be developed?

Session abstract: The purpose of this session is to give impetus to initiatives promoting accountability of states and the private sector through monitoring and improving the transparency of large-scale land acquisitions and investments. The session will discuss mechanisms and identify instruments (existing and under development) that could promote accountability through monitoring and improved transparency of large-scale land acquisitions and investments. It will assess the effectiveness, feasibility and possible structure of existing and proposed instruments and enhance any potential complementarities. Moreover, opportunities for further development will be identified.

Session hosts: International Land Coalition (ILC), Federal Ministry for Economic Co-operation and Development Germany (BMZ/GIZ)

Session moderator: Lasse Krantz (SIDA)

Draft programme:

- » Introduction to session, GIZ/ILC
- » Overview of key questions linked to accountability of states and private sector over land, investment and food security *Sérgio Sauer*
- » Promoting transparency and accountability: overview and key issues *Reinier de Mann*
- » Proposed Transparency and Accountability Initiative *Antti Seelaff, GIZ*
- » Open Contracting Initiatives: Nadine Stiller-GIZ and Michael Jarvis- World Bank -Skype presentation
- » Proposed Dispute Resolution mechanism, Guido Enthoven, IMI
- » Land Matrix, *Michael Taylor, ILC*
- » Exercising accountability; experiences from Oxfam, *Duncan Pruett*
- » Structured discussion
- » Commentator and key issues for consideration in moving forward, *Ali Hines and Reiner de Mann*

Tuesday, 20.11.2012, 11:00-13:00hrs

PLATFORM SESSIONS:

LESSONS LEARNED IN ADDRESSING CHALLENGES TO SOILS

*Tuesday Schedules for Sessions 5 and 6 are included in the previous section.

#7

Greenbelt Movements and Ethiopia's Tigray Project

Session abstract: The topsoil continues to be degraded and lost through soil erosion leading to poor harvests, famine and low livestock yields. This situation is exacerbated by climate change. Our generation has the responsibility to protect and preserve this precious commodity. There is a need to exchange best practices on soil conservation and develop best strategies for upscaling them, in order to secure livelihoods for the future generation. The Greenbelt Movement and Ethiopia's Tigray Project are successfully implemented initiatives that aim at promoting sustainable land and soil use practices through community mobilization. The aim of this session is to present these projects, discuss applied strategies and their applicability in different contexts and on different scales in order to identify and learn lessons that may be promoted and are applicable to the rural communities.

Session hosts: Wangari Maathai Institute for Peace and Environmental Studies, Institute for Sustainable Development Ethiopia

Session moderator: Prof. Dr. Stephen Kiama Gitahi, Wangari Maathai Institute for Peace and Environmental Studies

Session schedule

Tuesday:

- 11:00 Introduction, The Passion and Vision of Prof. Wangari Maathai: Her work with Communities to protect soils and lessons learnt from the Greenbelt Movement
Prof. Dr. Stephen Kiama Gitahi, Wangari Maathai Institute for Peace and Environmental Studies
- 11:15 The Ethiopia's Tigray Project: Mixed farming and nutrient cycling; impacts of compost on soil characteristics; local communities managing their own natural resources; training for sustaining good practices
Dr. Hailu Araya, Team Leader – Ecological Agriculture Team Institute for Sustainable Development
- 11:25 Role of Soils and Society in Dryland Resilience of Somalia
Dr. Ingrid Hartmann, Soil Scientist, DRYRES
- 11:45 Hallway of lessons learnt – Exchange of approaches, ideas and perspectives.
Each initiative gets a separate table to present their approaches more in depth to participants, who walk around like on a marketplace or in an exhibition.
- 12:15 What did you learn? Interview of participants: What...
...did you "pick" (=What is applicable to your working area)?
...was missing (=What would be needed to make the approach applicable to your working area/to a broader scale)?
- 12:30 Reflection by representatives of the initiatives
5 min per initiative
- 12:50 Wrap up
Prof. Dr. Stephen Kiama Gitahi, Wangari Maathai Institute for Peace and Environmental Studies



#8

Payments for Ecosystem Services

Session abstract: Payments for Ecosystem Services (PES) have become a popular concept during the last twenty years using an apparently simple rationale: in certain situations, providing economic incentives instead of regulating economic activities would be more effective and efficient in supporting the securing and provision of ecosystem services by rural populations. But PES is certainly not free of criticism. Concerns about the effective participation of poor farmers, aspects of equity versus efficiency, and the legitimacy and effectiveness of PES policies have been presented in the scientific debate. But what does the field have to tell us? There is growing documentation on PES schemes targeting the reduction of soil loss, control of soil erosion, flood mitigation and other soil-related activities. What has been working and what has failed? And why addressing sustainable land management in PES schemes rather than other practices? This session will discuss these and other questions from a practical and theoretical perspective. Speakers from Asia, Africa, Europe and Latin America will present their experiences in addressing the question if PES can work for sustainable land management in an equitable manner.

Session hosts: Institute for Advanced Sustainability Studies (IASS)

Session moderator: Moritz Remig (IASS)

Session schedule

Tuesday:

- 11:00 Introduction and Revision of Ecosystem Services of Soils
Prof. Dr. Hubert Wiggering, Leibniz Centre for Agricultural Landscape Research (ZALF), Germany
- 11:10 Payments for Ecosystem Services (PES):
The concept and the critique
Matheus Zanella (IASS)
- 11:30 Panel Discussion: Reviewing sustainable land management practices in PES schemes for watershed protection
Chair, Moritz Remig (IASS)
- A: Asia – RUPES Project:** *Dr. Beria Leimona, RUPES Coordinator, World Agroforestry Centre (ICRAF)*
- B: Africa – PRESA Project:** *Dr. Sara Namirembe, PRESA Coordinator, World Agroforestry Centre (ICRAF)*
- C: Europe:** *Dr. Christian Schleyer, Berlin-Brandenburg Academy of Sciences and Humanities (BBAW)*
- 12:10 Discussion with suggestive questions:
» Which interventions are working, which are not?
» Why addressing sustainable land management in PES schemes rather than other practices?
» Which are the main difficulties found in the field?
» Do the PES critics reflect the concern from PES actors in your cases?
Moderated by Moritz Remig (IASS)
- 12:30 Summarizing outcomes to a joint set of statements
Dr. Delia Catacutan, World Agroforestry Centre (ICRAF)
- 12:50 How about PES schemes for soil carbon?
Identifying questions for debate
Dr. Christina Seeberg-Elverfeldt, Food and Agriculture Organisation (FAO)



#9

Raising Soil Awareness

Session abstract: Raising soil awareness is one of the cornerstones of the EU Soil Thematic Strategy. Without increased awareness of the importance of soils for human well-being, it will be very difficult to achieve the necessary citizen support, and democratic consensus is a pre-condition for effective soil protection strategies and legislation. This session will review the state of the art concerning tools and initiatives for raising soil awareness in the general public, both in Europe and in the rest of the world. As a main outcome of the session a detailed action plan for raising soil awareness in the future will be compiled, including future planning of events within the Global Soil Week, the World Soil Day and the UN International Year of Soils 2015.

Session hosts: European Commission – Directorate General - Joint Research Centre (EC-DG-JRC)

Session moderator: Dr. Luca Montanarella (EC-DG-JRC)

Session schedule

Tuesday:

- 11:00
- Introduction “Connecting Soil Science to the Public”
Prof. Dr. Charles W. Rice (University Distinguished Professor and Professor of Soil Microbiology, Past-President, Soil Science Society of America, Kansas State University)
- 11:15
- World Café:
- Table: Multimedia tools**
Greg Zibell (Photographer, NoKaKtus project founder)
- Table: Social Media**
Prof. Dr. Charles W. Rice (Kansas State University)
- Table: School and education**
Nance Klehm (Social Ecologies, Chicago)
- Table: Urban-rural communication**
Ciro Gardi (EC-DG-JRC)
- Table: Soil art**
Dipl. -Ing., M.F.A. Alexandra Regan (Toland Berlin University of Technology / Faculty VI Institute for Ecology / Dept. of Soil Protection)
- 12:15
- Report from tables
- 12:45
- Final conclusions
Prof. Dr. Gabriele Broll (University of Osnabrück)



#10

Soil information for environmental and societal sustainability

Session abstract: Soil information is of outmost importance to answer questions of economic, environmental and societal sustainability. The session focuses on consistent quality assessed soil data/information and is introduced from a user experience with a presentation by Dr. Bossio from CIAT: “Why do we need soil information?”. Following up on that, we present ISRIC’s Global Soil Information Facilities (GSIF) as a tool towards the aim of generating consistent quality assessed information in a collaborative manner as well as examples of possible applications. These short presentations are the kick-off for a discussion and reflection on the utility of such tools.

Session host: International Soil Reference and Information Centre (ISRIC) - World Soil Information

Session moderator: Dr. Prem Bindraban, Director ISRIC – World Soil Information

Session schedule

Tuesday:

11:00	Introduction / Session Setting <i>Dr. Prem Bindraban, Director ISRIC – World Soil Information</i>
11:05	Keynote “Why do we need soil information?” <i>Dr. Deborah Bossio, CIAT- Tropical Soil Biology and Fertility Institute</i>
11:35	Global Soil Information Facilities <i>Dr. Hannes I. Reuter, ISRIC – World Soil Information</i>
12:00	Discussion & Reflection <i>Dr. Prem Bindraban / Prof. Dr. Thomas Scholten, Deutsche Bodenkundliche Gesellschaft (DBG)</i>

#11

Voluntary Guidelines on Land Governance: Can they help to minimize and address competition and conflicts for natural resources?

Session abstract: Addressing current land governance challenges through voluntary guidelines is, at least at first sight, a paradox. On the one hand, how are we to address the injustices embedded in many tenure systems around the world through a voluntary instrument? How are we to overcome the entrenched power inequalities that give rise or sustain these tenure systems with such a tool? Questions such as these arise, for example, in situations of agrarian reforms – in the meaning of redistribution of farmland – as in situations of recognition of formerly neglected rights. On the other hand, we have a strong and renewed political commitment by the CFS member countries to strive towards more equitable tenure regimes that shall contribute to the fair and sustainable use of natural resources. So, the question emerges how are we to make best use of the political momentum created by the endorsement of the Voluntary Guidelines on the Responsible Governance of Tenure of Land, Fisheries and Forests (VG) for equitable and inclusive tenure systems?

Session hosts: Food and Agriculture Organization of the United Nations (FAO), Institute for Advanced Sustainability Studies (IASS)



Session schedule

Tuesday:

- 11:00
- Opening / Welcome
Paul Mathieu, FAO
- 11:05
- Challenges to the Responsible Governance of Tenure:
A Typology
*Thomas Sikor, School for International Development, Uni-
versity of East Anglia*
- 11:20
- The Voluntary Guidelines:
A Reading from a Human Rights Perspective
Michael Windfuhr, German Institute for Human Rights
- 11:35
- Interaction with the participants
Jeffrey Hatcher
Director of Global Programs, Rights and Resources Initiative
- 11:55
- Taking the Political Momentum Further – A Panel Discussion
Jeffrey Hatcher
Director of Global Programs, Rights and Resources Initiative
-
- The Potential of Soft-law Approaches
*Dr. Matthias Goldmann, Max Planck Institute for Comparative
Public Law and International Law*
-
- Challenges to Human Rights Implementation:
Sketching out Obstacles to the Implementation of the VG
Katharina Spieß, Independent consultant on human rights
-
- Perspective of Land Movements on Voluntary Guidelines
Ramesh Sharma, Ekta Parishad
- 12:45
- Building on the Consensus and Taking the Political Momen-
tum Further – Reflections from the Point of View of FAO
Paul Mathieu, FAO

Tuesday 20.11.2012, 14:30-18:30hrs
Wednesday 21.11.2012, 9:00-13:00hrs

8-HOUR
DIALOGUE SESSIONS

#12 Urbanization: Challenges to Soil Management

Session abstract: Urbanization and urban expansion are major drivers of global environmental and land use changes due to an increasing and more affluent urban population and the consumption of fertile soil. Reducing the global soil footprint of urban dwellers and implementing soil-smart urban land use policy and planning is needed for sustainable development.

Session host: Institute for Advanced Sustainability Studies (IASS)

Session rapporteur: Yusuf Yigini (EC-JRC)

Session schedule

Tuesday:	14:30	Introduction <i>Dr. Klaus Lorenz, IASS</i>
	14:35	Urban development Emilia-Romagna Region, Italy <i>Sabrina Freda, Minister for the Environment and Urban Regeneration, Emilia-Romagna Region</i>
	14:50	Europe: The Netherlands <i>Sjoerd Andela, Haarlem</i>
	15:00	Europe: England <i>Peter G. Earl, BTP MRTPI, Chartered Town Planner, Sussex County, UK</i>
	15:10	Urbanization pressure on soil resources in Poland under former and current regulations <i>Grzegorz Siebielec, Wrocław (Breslau)</i>

15:20	Europe: Germany <i>Detlef Gerdts, ELSA</i>
15:30	Closing urban resource cycles to reduce the urban soil footprint <i>Katleen de Flander, IASS</i>
15:40	Africa: Morocco, Niger, Cameroon <i>Prof. Christophe Schwartz and Jean-Louis Morel</i>
15:50	China: Guangzhou <i>Prof. Dr. Rongliang Qiu, Sun Yat-sen University</i>
16:00	Brazil: Recife <i>Prof. Dr. Clístenes Williams Araújo do Nascimento, Universidade Federal Rural de Pernambuco</i>
16:10	Coffee break
16:25	Introduction to World Café: Current developments and approaches <i>Dr. Klaus Lorenz, IASS</i>
16:30	World Café tables (3x20 minutes) <ul style="list-style-type: none">» Reasons for contrasting urban developments and effects on soil» Measures to improve the recognition of urban soil quality» Approaches to reduce the global soil footprint of urban areas» What is soil-smart urban development?
17:30	Reports per table
18:00	Discussion of the results with the audience
18:30	Adjourn <i>Dr. Klaus Lorenz, IASS</i>



Session schedule

Wednesday:

09:00	Introduction <i>Dr. Klaus Lorenz, IASS</i>
09:05	Summary of previous day Yusuf Yigini, EC-JRC
09:10	Soil Protection in Europe <i>Luca Marmo, EC</i>
09:25	Policy Options in Rapidly Urbanizing Regions: Dhaka, Bangladesh; Kolkata, India <i>Craig Johnson, University of Guelph</i>
09:40	Current land policies in Colombia <i>Armando Sarmiento Lopez, Pontificia Universidad Javeriana</i>
10:00	Urban-rural linkages (tbc) German Andrade, Bogota Botanical Garden, Columbia
10:10	Coffee break
10:25	Introduction to World Café: Policy options Dr. Klaus Lorenz, IASS
10:30	World Café tables (3x20 minutes) <ul style="list-style-type: none">» Policy options in developed regions» Policy options in rapidly developing regions» Urban – Rural linkages» Extreme strategies
11:30	Reports per table
12:00	Discussion of the results with the audience
12:30	General discussion, outlook on future activities
13:00	Adjourn <i>Dr. Klaus Lorenz, IASS</i>

#13

Global Land and Soil Degradation

Session abstract:	This session will flag soil and land degradation as a global problem, with environmental, but also development implications. Here, the need for a global approach to deal with this issue will be discussed, with focus on the Sustainable Development Goals. Current global land and soil degradation trends will be presented and the implications for policy and science of having a Sustainable Development Goal of Zero Net Land Degradation will be discussed. The session will include a variety of formats (e.g. short scientific keynotes, panel discussions, and working groups) which will allow for interactive discussion and participation amongst the attendees.
Session hosts:	United Nations Convention to Combat Desertification (UNCCD) and the Institute for Advanced Sustainability Studies (IASS)
Session moderator	Ivonne Lobos Alva, Institute for Advanced Sustainability Studies, (IASS) Potsdam Global Soil Forum



Session schedule

Tuesday's Topic:

Soil and Land Degradation as a Global Problem

- 14:30
- Introduction and objectives of the session
Ivonne Lobos Alva, IASS
- 14:40
- 6 short keynotes (10 min. Input, 5 min. questions & answers)
- 1) Global Land and Soil Degradation
– Current Policy Processes (SGD's – ZNLD)
Mr. Luc Gnacadja, Executive Secretary, UNCCD
- 2) State and Dynamics of Land Degradation - Indicators
Dr. Quang Bao Le Institution for Environmental Decisions (IED, – ETH Zürich)
- 3) Post-2015 Development Agenda: General Considerations
*Dr. Tariq Banuri, Former Director
Division for Sustainable Development/CSD Secretariat*
- 4) Earth Observation As Tool to Measure Land And Soil Degradation
Prof. Dr. Gunter Menz, University of Bonn (Enviland 2)
- 5) State of the Art Input on Land Degradation, Trends and Drivers: Two Country Examples
1. Analysis on Land Degradation: Large Scale Agricultural Land Use type such as Soy Beans
Joaquin Etoarena, Directorate of Soil Conservation and Combating Desertification , Lucha Contra la Desertificación, Programa (CIM/GIZ), Buenos Aires – Argentina
2. Land Degradation and Mining in South Africa
Mariné Pienaar, Managing Director, Terra Africa Consult

- 16:10
- Coffee Break
- 16:30
- Current Global Trends of Land and Soil Degradation
Panel discussion with:
» *Dr. Lindsay C. Stringer
Director, Sustainability Research Institute*
» *Mr Parviz Koohafkan, Land and Water Division - FAO*
» *Dr. Quang Bao Le - Institution for Environmental Decisions (IED)*
» *Luca Marmo, European Commission, Environment Directorate-General*
» *Anneke Trux, Convention Project to Combat Desertification (GIZ)*
» *Moderator: Ivonne Lobos Alva, IASS*
- 16:45
- Division into Working Groups and Coffee Break
- 17:00
- Working groups:
» Quantification and qualification of drivers of land and soil degradation in the context of a globalized economy
» Diverse resource tenure regimes and a changing global environmental governance system
» Need for a global land and soil degradation assessment (different sectors e.g. mining, agriculture, REDD, soil pollution)
» Existing research gaps concerning land degradation as a global phenomenon.
- 17:45
- Presentation of results of working groups
- 18:15
- Wrap up



Session schedule

Wednesday's Topic: International Policy Dialogue – SDGs

09:00	Welcome, review of the main conclusions of the Tuesday's Session and introduction of the 2nd part <i>Ivonne Lobos Alva, IASS</i>
09:05	Speech by Prof. Dr. Anne Glover <i>European Commission's Chief Scientific Adviser</i>
09:15	Policy Solution(s) for Land Degradation: effective governance <i>Dr. Carol Hunsberger, International Institute of Social Studies in The Hague – Coordinating lead author of the land chapter in UNEP's fifth Global Environment Outlook report (GEO-5)</i>
09:30	Panel discussion: Sustainable Development Goals: Operationalization and Challenges – What would a Zero Net Land Degradation World look like? Panellists: <ul style="list-style-type: none">» <i>Prof. Uriel Safriel, Hebrew University</i>» <i>Henry Tachie-Menson, Ghana Permanent Mission to the U.N., New York</i>» <i>Luis Rios, Ministry of Natural Resources and the Environment, Guatemala</i>» <i>Prof. Eduardo Viola, University of Brasilia, Brasil</i>» <i>Martin Rokitzki, Oxfam UK</i>» <i>Moderator: Ivonne Lobos Alva, IASS</i>
10:30	Division into Working Groups and Coffee Break
11:00	Working Groups Elements of a soil degradation neutral world, indicators, standards; implementation and delivery mechanisms i.e. agencies, international cooperation, global roadmap; political and institutional frameworks Moderator: Ivonne Lobos Alva, IASS
12:00	Presentation of results
12:45	Conclusions and next steps/outlook – Ivonne Lobos Alva, IASS

#14

Global Soil Policy

Session abstract: This session seeks to provide a forum where selected international policy instruments designed to improve the sustainable use, management and restoration of soils and their functions will be presented and discussed with regard of their technical effectiveness and their political likelihood of implementation. The event is planned as a two day session with 8 working hours (four hours on the first day, four hours on the second day). The workshop is designed to create an open and constructive working atmosphere in order to strongly involve the participants and to gain from their experience and expertise. After short impulse speeches on the various topics, the workshop foresees intensive breakout group discussions, partly based on the world-café-method.

Session hosts: German Federal Environment Agency, Umweltbundesamt, UBA

Session moderator: German Federal Environment Agency, UBA



Session schedule

Tuesday:

- 14:30

Welcome – *Harald Ginzky, UBA*
- 14:30

Keynote Address: Overview on objectives and instruments for international soil policy
Jochen Flasbarth, UBA
- 15:10

Hard law: Scope and options for further development of the UNCCD
Dr. Sergio Zelaya, UNCCD
- 15:30

Hard law: Scope and options for further development of the UNCBD
Dr. Braulio Dias, UNCBD
- 15:50

Hard law: Scope and options for further development of the UNFCCC and comparative analysis of the three
Prof. Ian Hannam, IUCN
- 16:20

Break
- 16:50

Breakout Groups: Options for improving soil protection via conventions
Dr. Irene Heuser, Prof. Ian Hannam, Dr. Sergio Zelaya
- 17:30

Breakout group wrap up (10 min. each)
- 18:00

Discussion and synthesis (hard law development)
Dr. Harald Ginzky (UBA)

Session schedule

Wednesday:

- 09:00

Welcome Day II
Dr. Knut Ehlers, UBA
- 09:05

Soft law: voluntary declarations (e.g. Sustainable Development Goals)
Dr. Luca Montanarella (EC-JRC)

- 09:15

Soft law: Voluntary guidelines (e.g. on the Responsible Governance of Tenure of Land, Fisheries and Forests)
Michael Windfuhr, German Institute for Human Rights
- 09:25

Soft law: Non-binding cooperation (e.g. Global Soil Partnership)
Ronald Vargas (GSP/FAO)
- 09:35

Science-policy interface: Options for improvement (e.g. international/intergovernmental panels)
Dr. Mariam Akhtar Schuster (DesertNet)
- 09:45

Break
- 10:05

World Cafés on the four above mentioned topics (SWOT- Analysis) (15 min. each)
Moderators:
Dr. Katharina Helming, ZALF
Dr. Frank Glante, UBA
Dr. Luca Montanarella (EC-DG-JRC)
- 11:05

Wrap up World Café (ca. 7 min. each)
- 11:35

Break
- 11:50

Assessing preferred options for soil protection regarding technical effectiveness and political likelihood
Dr. Knut Ehlers, UBA
- 12:20

Conclusions and Outlook
Dr. Knut Ehlers and Dr. Harald Ginzky, UBA



#15

Natural Resource Governance for Food Security – A Focus on Rights-based Approaches

Session hosts: Food and Agriculture Organization of the United Nations (FAO), Institute for Advanced Sustainability Studies (IASS)

Session abstract: **Rationale:** Rights-based approaches to natural resource governance assume ever more importance. Be it with the focus to increase access to natural resources for marginalized groups – for example, the so called forest tenure reforms – or with an emphasis on environmental protection – as in the latest Global Environmental Outlook. This represents a welcome departure to often rather technical approaches to natural resource governance. In particular, as inequalities in access to natural resources remain pronounced in many regions of the world or are even getting worse - as is demonstrated by the so called „land grabs“. Given the prominence of rights-based approaches in development discourse, a thorough assessment of potentials and challenges of this approach is necessary. Rights are often granted or reaffirmed in a social context that made the allocation of rights necessary in the first place. That is, in a social context that created the social and political marginalization of the recipients of the rights. This social context does not necessarily change only because rights are being given to a certain group. Some highlight, therefore, that the emphasis on rights needs to be paired with an equal focus on responsibilities of those who are to enforce these rights. The session, therefore, focuses on the question of how to translate these rights into social practice. What are the triggers that are in principal necessary in this translation process? What are the concrete experiences with rights-based approaches in selected countries?

Objectives: The session will emphasize the inherently political - that is contested - nature of natural resource governance. It will demonstrate that granting rights to marginalized groups requires an approach that is conscious of the power imbalances involved and the obstacles to be overcome when altering social structures in favor of these groups. The session will also outline some of the mechanisms that have already been applied to achieve this aim of altering these social structures.

Session Schedule

Tuesday:

14:30 Opening / Welcome
Paul Mathieu, FAO and Jes Weigelt, IASS

14:40 Round of Introduction
Franziska Linz, IASS

Setting the Scene: Challenges to Pro-poor Natural Resource Governance

Facilitator: Franziska Linz, IASS

14:55 Short Movie on the Challenges of Natural Resource Governance

15:10 Contemporary Discourses on Pro-poor Land Governance:
A Critical Reading
Jun Borras, Institute for Social Studies

15:30 On Limits and Potentials of Rights-Based Approaches to
Development and the Future of Food Security
Purabi Bose, IASS, and Jes Weigelt, IASS

15:50 Discussion and Questions & Answers
Facilitators: Purabi Bose, IASS and Franziska Linz, IASS

16:20 Break

Identifying Leverages for Pro-poor Natural Resource Governance:

Examples from Mozambique, Brazil and Cambodia

16:50 The Role of Land Tenure Security in Food Security: The Case
of Mozambique
*Issufo Tankar, Centro Terra Viva- Estudos e Advocacia Ambiental,
Mozambique*

17:05 Towards Land Governance for Food Security:
The Approach of the Brazilian Platform for Economic, Social,
Cultural and Environmental Human Rights
Sérgio Sauer, Universidade de Brasília



17:20	Breaking Rocks with Eggs: Making the Human Rights Approach Work in Cambodia's Troubled Land Sector <i>David Pred, Inclusive Development International (IDI)</i>
17:35	Knowledge Management: Leveraging Civil Society Knowledge <i>Constanze von Oppeln, Welthungerhilfe</i> <i>Shailendra Tiwari, Seva Mandir</i>
17:45	Wrap-up <i>Facilitators: Purabi Bose, IASS and Franziska Linz, IASS</i>

Session Schedule

Wednesday:

09:00	Welcome Back & Recap of Wrap-up <i>Charlotte Beckh, IASS</i> <i>Constanze von Oppeln, Welthungerhilfe</i>
-------	---

Building on Experiences:

Social Transformations Towards Pro-Poor Resource Governance

Facilitator: Charlotte Beckh, IASS

09:15	Working Groups "Leverages for social transformations: learning from theory and practice" Key questions: What are leverages that make pro-poor natural resource governance work/ translate rights into social practice, in terms of: 1) Actors – What responsibilities, what mandates? 2) Institutions – What mechanisms? What conditions? 3) Strategies – What strategies to change inequalities in social relations? Group Facilitators: <i>Constanze von Oppeln, Welthungerhilfe</i> <i>Franziska Linz, IASS, Charlotte Beckh, IASS</i>
10:15	Exchange and Discussion between Working Groups <i>Charlotte Beckh, IASS</i>

10:45	Break
11:15	Comment: Empowerment and Struggle: The Role of Human Rights <i>Roman Herre, FIAN</i>
11:30	World Café "Ways forward" 1) What and how can a process such as the Global Soil Week and other initiatives contribute to transformations towards pro-poor natural resource governance for food security? 2) Open questions and critical gaps in knowledge and practice
12:00	Plenary Exchange & Discussion <i>Charlotte Beckh, IASS</i>
12:45	Conclusions <i>Constanze von Oppeln, Welthungerhilfe</i> <i>Charlotte Beckh, IASS</i>



#16

Securing the Commons

Session abstract: This session will explore current issues surrounding the land and natural resources managed and used communally ('the commons') throughout the world. The session will explore the scope of the commons and the importance of communal resources such as forests and rangelands to hundreds of millions of people in regions such as Africa, Asia, and Latin America, with reference to rural development, social justice, and environmental conservation aims. The session will review the state of current knowledge around sustainable use and governance of communal natural resources, and examine threats to communal tenure of lands and resources in a range of different geographic contexts, and from points of reference as varied as gender dimensions, indigenous rights, biodiversity conservation, pastoralist land use, and forest governance. The session will facilitate discussion of key challenges and threats to the commons, emerging strategies for strengthening local tenure over communal lands and resources, and how to make securing the commons a greater global development priority.

Session hosts: International Land Coalition (ILC), Rights and Resources Initiative (RRI), Institute for Advanced Sustainability Studies (IASS)

Session moderators: Michael Taylor, ILC/Jeffrey Hatcher, RRI/Fred Nelson (Maliasili Initiatives)

Session Schedule

Tuesday:

- | | |
|-------|--|
| 14:30 | Session Introduction & Overview |
| 14:45 | Panel 1: Communal Lands: A Global Perspective:
This first panel will provide some key data and context regarding the scope and values of communal land and natural resource regimes globally, highlighting critical social, environmental, and economic dimensions of communal tenure and governance issues, and key overarching tenure trends and challenges. (3 presentations @20 mins each w/20 mins Q&A)
» Michael Taylor, International Land Coalition: 'Why We Must Talk About the Commons'
» Jane Carter, HELVETAS: Gender and the Governance of the Commons |
| 15:30 | Break |
| 16:00 | Panel 2: Sustaining the Commons:
This panel will explore the links between community land and natural resource tenure and local governance in the sustainable use and management of common property resources and ecosystems.
» Grazia Borini-Feyerabend, Indigenous and Community Conserved Areas Consortium: Indigenous and Community Conserved Areas: The Commons and Conservation
» Jeffrey Hatcher, Rights and Resources Initiative: An Overview of Global Forest Tenure and Governance Trends |



Session Schedule

Wednesday:

- 09:00
- Panel 3: Regional Trends, Challenges and Initiatives:
This paper will provide perspectives on the social and environmental values of the commons and efforts to secure local rights to lands and resources from Africa, Asia and Latin America.

 - » Nitin Desai: Securing the Commons in India
 - » Fernanda Almeida: Legal Recognition of Common Property Regimes in Latin America
 - » Fred Nelson, Maliasili Initiatives: Community Natural Resource Management in Africa: Achievements and Challenges
- 11:00
- Break
- 11:20
- Panel 4: The Commons as a Global Development Priority:
This panel will look forward to examine key current opportunities for scaling up community tenure over the contested commons, particularly in the face of current land grabbing and growing challenges, and discuss ongoing efforts to secure community rights at multiple scales. This will facilitate an open plenary discussion around emerging strategies for securing the commons.

 - » Michael Taylor, International Land Coalition
 - » Duncan Pruett, Oxfam



Tuesday, 20.11.2012, 14:30-18:30hrs

4-HOUR
DIALOGUE SESSIONS

#17

Nutrients for Food or Pollution? The Choice is Ours! Role of GPNM in addressing the challenge

Session abstract: Essential nutrients such as nitrogen and phosphorus are central to improved food security and sustainable development. However, excess use and inefficient nutrient management practices can and do contribute to climate change, nutrient over-enrichment of aquatic systems, soil acidification and groundwater pollution, harmful algae blooms, hypoxic dead zones, loss of coral, sea grass cover and declining fish stocks.

UNEP as the Secretariat of the Global Partnership on Nutrient Management (GPNM) brings together governments from around the world, international organizations, scientists, industry and NGOs, to address problems of nutrient over-enrichment and the need for accelerated moves towards food security, to combine the goals of increased productivity with conservation of natural resources (www.gpa.unep.org).

It is estimated that the required 70% increase in food production by 2050 to ensure global food security, as well as changing diets, will require intensification of food production and fertilizer use. Therefore, the move towards a Green Economy needs to embrace a new focus on effective nutrient management. GPNM believes there are substantial win-win policy and investment opportunities working with the governments, fertilizer industry, science community and UN agencies.

The session aims to provide an overview of the main issues concerned with nutrient management, with specific attention to nitrogen and phosphorus. This includes reflecting on the nature of the challenge (i.e. benefits versus threats), listing the key threats, the current practices and policies, identification of the future needs (e.g. scientific assessment, global and regional policies). This event will promote informed dialogue on the role of nutrient management in sustainable agricultural and food production by providing information, and pointing policy makers and practitioners to good practices, training opportunities and the possibilities for action.

During an inter-active discussion with the audience, panelists will elaborate on nutrient management challenges, discuss the added value of the GPNM and discuss how interested parties can demonstrate their commitment to sound practices of nutrient management by joining GPNM.

Session hosts: United Nations Environment Programme (UNEP)

Session moderator: Dr. Anjan Datta, Coordinator of GPNM, UNEP

Session structure: Dr. Anjan Datta, Coordinator of GPNM will make a presentation outlining the key issues pertaining to sustainable nutrient management, and UNEP's vision in addressing the nutrient challenge. The other speakers during the session are:

Dr. Gerard Velthof, Alterra, Wageningen Wageningen University, The Netherlands and Lead Author of the European Nitrogen Assessment Report Chapter 21 Nitrogen as a threat to European soil quality.
Topic: **Nitrogen management and soil quality in EU - 27**

Prof. Dr. Friedrich-W. Wellmer, Former President of the German Geological Survey, BGR, the Federal Institute of Geosciences and Natural Resources.
Topic: **Phosphate rock a finite resource, key ingredient for phosphorus fertilizer, which is vital for food security and soil health, but increasingly we are faced with a debate on phosphorus security.**

Prof. Dr. Lex Bouwman, Head of Soil and Ground Water Team. The Netherlands Environmental Assessment Agency and Professor, Department of Earth Sciences – Geochemistry, Utrecht University, The Netherlands.
Topic: **Where the excess nutrients end up and what are the consequences? Some results of the NEWS model test run.**



Dr. Lin Ma, College of Resources and Environmental Sciences, China Agricultural University, Beijing, China.

Topic: **Managing nutrients for food security and the environment in 21st Century China.**

Dr. Ajit Pattnaik, Chief Executive Officer, Chilika Development Authority, Government of Odisha, India.

Topic: **Ecosystems Health Report Card – a tool for managing nutrient loads into coastal waters and developing policies.**

For further details please contact anjan.datta@unep.org

#18 Sustainable Land Management

Session abstract: The session invites actors from policy, technical/science and development/practitioner levels in order to jointly explore how to strengthen soil protection and management as a central pillar for sustainable land management (SLM) for food security and climate change adaptation and mitigation. It will focus on lessons learned in addressing soils as an integral part of SLM, critical gaps identified and ways forward that could subsequently be taken up through the Global Soil Partnership and SLM programs with partners.

Session host: Food and Agriculture Organization of the United Nations (FAO)

Session moderator: Sally Bunning, FAO with Dr. Constance Neely, ICRAF

Session schedule

Tuesday:	14:30	Introduction and insights from SOLAW and FAO watershed / landscape management work <i>Sally Bunning, Senior Land/Soils officer FAO Land and Water Division</i>
	14:40	Keynote: Soils policy and action – Why soils are central for SLM in terms of food and nutritional security and climate change <i>Yaya Adisa Olaitan Olaniran, Permanent Representative of Nigeria to FAO and Chair of the FAO Committee on Food Security</i>
	15:00	Keynote: Status of sustainable land management (SLM) knowledge and its use in practice – value of assessing, documenting, using SLM knowledge for decision support <i>Dr. Hanspeter Liniger, University of Bern, Centre for Development and Environment (CDE) and Coordinator WOCAT</i>
	15:20	Video on SLM for food security and climate change



15:25 Panel on Lessons Learned from addressing soils as an integral part of SLM and Critical Gaps in knowledge/ practice
Moderated by Sally Bunning, FAO

Input Talk: Lessons of Rio Rural in mainstreaming soil and watershed management for sustainable agriculture and SLM adoption (policy, institutions and incentives)
Nelson Teixeira Alves Filho and Helga Hissa, Rio Rural, Superintendência de Desenvolvimento Sustentável (SEA PEC)

Input Talk: Scaling up of SLM practices under the Ethiopian Strategic Investment Framework for SLM
Dr. Tesfaye Mebrahtu, Deputy Programme Manager, GIZ Sustainable Land Management Programme

Input Talk: Lessons of holistic grazing land and livestock management
Dr. Constance Neely, World Agroforestry Center, ICRAF

Input Talk: Territory-Based Sustainable Range Management Programme (TBSRM) - A Model for Resilience of Indigenous & Community Conserved Areas (ICCAs)
Nahid Naghizadeh, Centre for Sustainable Development (CENESTA)

Input Talk: Lessons from Bavaria for policy makers and the public on enhancing soil biological functions for sustainable soil management in agriculture at farm and landscape scales
Prof. Dr. Jean Charles Munch, Chair of Soil Ecology, Technical University of Munich and Director Institute of Soil Ecology, Helmholtz Centre

Input Talk: Common themes and local issues – sustainable soil management in Oceania
Mike Grundy, Theme Leader, Landscape Systems and Trends, CSIRO

16:15 Discussion
Moderated by Sally Bunning, FAO

16:35 Break

16:45 Working Groups
Moderated by Sally Bunning, FAO and Dr. Constance Neely, ICRAF

1) Integrating soil management more effectively in a wider SLM approach
(approach, data, tools, knowledge management)

2) Soil and SLM mainstreaming and upscaling
(priority issues, key partners, processes)

17:45 Report from Working Groups

18:00 Concluding Plenary Discussion on Ways Forward
Moderated by Sally Bunning, FAO and Dr. Constance Neely, ICRAF

18:20 Wrap-up
Sally Bunning, FAO



#19 Economics of Land Degradation: A Dialogue between Decision-Takers and Scientists

Session abstract: The Stern Review on the Economics of Climate Change and the initiative on The Economics of Ecosystems and Biodiversity (TEEB) have underlined the importance of pointing out to political decision-makers the economic consequences of global environmental changes while supporting these statements with vivid examples. However, in the area of land degradation and soil, such an approach does not yet exist. Consequently, the German Federal Government and the EU Commission in close cooperation with the UNCCD Secretariat have launched an initiative on the Economic Assessment of Land Degradation (ELD) which is currently supported by numerous international and scientific partners.

This study will also consider the economic costs of the loss of land-based ecosystem services. By integrating economic and further social aspects in the discussion, ELD aims to supplement a holistic approach to fight LD. The workshop discusses earlier activities in analyzing the economics of land degradation and lessons-learned as well as the ELD process, critical gaps in efforts to address land and soil degradation and finally aims at agreeing on actions and next steps.

- » Presentation of the scientific approach of the ELD initiative and discussion of potential contributions from participants.
- » Targeting specific groups: political decision makers (national and decentralized level), private sector (farmers, companies).
- » Discussion on entry points on economic aspects for land degradation in policy processes, including the implementation of Rio+20 decisions.
- » Exchange of experiences on ELD: How to start making use of and organizing outreach on ELD right away?

Session hosts: German Federal Ministry for Economic Cooperation and Development (BMZ/GIZ) Center for Development Research (ZEF), University of Bonn

Session chair: Prof. Dr. Joachim von Braun (ZEF)

Session schedule:	14:30	Panel Discussion on Vision and Strategies for Addressing Land and Soil Degradation moderated by Joachim von Braun, ZEF Panelists: » <i>Rattan Lal, Ohio State University,</i> » <i>Dr. Stefan Schmitz, BMZ</i> » <i>Dr. Luca Montanarella, JRC-EC</i> » <i>Adbullai Jalloh, WECARD</i>
	15:15	Panel Discussion on State of the Art and Approaches in Economics of Land Degradation moderated by Dr. Deborah Bossio, CIAT Panelists: » <i>Ephraim Nkonya, IFPRI</i> » <i>Prof. Dr. Franz Makeschin, University of Dresden</i> » <i>Constance Neely, ICRAF</i> » <i>So oJin Park, South Korea</i>
	16:00	Break
	16:30	Panel Discussion on Successful Country and Local Experiences on Sustainable Land Management moderated by Victor Chude, Nigeria Panelists: » <i>Pavel Krasilnikov, Russia</i> » <i>Alim Pulatov, Uzbekistan</i> » <i>Richard Thomas, UNU-INWEH</i> » <i>Nina Hagemann, Germany</i> » <i>Wellington Mulinge, KARI, Kenya</i>
	17:15	Panel Discussion on A Way Forward for Policy Actions and Sustainable Land Management Investments moderated by Dr. Stefan Schmitz, BMZ Panelists: » <i>Luc Gnacadja, UNCCD</i> » <i>Alexander Müller, FAO (tbc)</i>



- » *Timo Mäkelä, EC (tbc)*
- » *Madiodio Niasse, International Land Coalition Secretariat*
- » *Severin Kodderitzsch, World Bank (tbc)*

18:00 Closing
Joachim von Braun, ZEF

Wednesday, 21.11.2012, 9:00-13:00hrs

4-HOUR DIALOGUE SESSIONS

#20

Markets for Soil Organic Carbon: A Feasible Policy Solution for Smallholders?

Session abstract: Smallholders are currently not rewarded for increasing soil organic carbon stocks despite ancillary benefits of higher stocks through enhancing agronomic performance and contributing to climate change adaptation and mitigation. Can smallholders be part of emerging carbon markets or would it be more feasible to pay them for adaptation of recommended management practices with ancillary benefits of increasing soil organic carbon stocks?

Session host: Institute for Advanced Sustainability Studies (IASS)

Session moderator: Dr. Constance Neely, World Agroforestry Centre, Nairobi, Kenya

Session schedule

Wednesday:	09:00	Introduction <i>Dr. Constance Neely</i> (World Agroforestry Centre, Nairobi, Kenya)
	09:05	Benefits of increasing soil organic carbon stocks <i>Prof. Dr. Rattan Lal</i> (The Ohio State University, Columbus OH, USA)
	09:15	Methods to measure soil organic carbon stock changes <i>Dr. Martial Bernoux</i> (French Research Institute for Development, Montpellier, France)
	09:25	Kenya agricultural carbon project <i>Amos Wekesa</i> (Vi Agroforestry, Nairobi, Kenya)
	09:45	Engaging smallholders in REDD+ and agroforestry activities through PES and carbon finance <i>Alexa Morrison</i> (Plan Vivo Foundation, Edinburgh, UK)
	10:05	Global carbon benefits project <i>Eleanor Milne</i> (Colorado State University)

10:25	Coffee break
10:40	Introduction to World Café <i>Dr. Constance Neely</i> (World Agroforestry Centre, Nairobi, Kenya)
10:45	World Café tables (3x20 minutes) <ul style="list-style-type: none">» Knowledge gaps in soil organic carbon management» Training smallholders for soil organic carbon management» Rewarding for soil organic carbon or for recommended management practices?
11:45	Reports per table
12:15	Discussion of the results with the audience
12:45	Identification of researchable priorities
13:00	Adjourn <i>Dr. Constance Neely</i> (World Agroforestry Centre, Nairobi, Kenya)



#21 The Soil-Energy Nexus

Session abstract: This session is focusing on the consequences of current bioenergy production practices for soil quality and related impacts on ecosystem services. Special emphasis will be put on a critical reflection of GHG balances and the respective losses of soil organic matter when growing high yield energy crops particularly under subtropical and tropical conditions. With regard to the worldwide increasing energy demand and the specific need for giving access to heat and electric energy in developing countries it will be crucial to explore options for sustainable, i.e. site adapted land use practices that will help to harmonize biomass production and soil protection without reinforcing the competition between food and fiber. This will include a thorough comparative analysis of advantages and disadvantages evolving from the production of annual and perennial crops, and it will also consider the exploration of new as well as the restoration of degraded areas to expand bioenergy production.

This session will also reflect research and practices in the field of land consumption for exploiting fossil energy resources and the related environmental problems often leading to negative impacts on the ecosystem and landscape level. In this context also scientific findings and modern reclamation as well as rehabilitation concepts will be addressed including recent challenges related to climate and global change.

Session hosts: German Research Centre for Geosciences, Deutsches GeoForschungs-Zentrum (GFZ); Institute for Advanced Sustainability Studies (IASS)

Session moderator: Dr. Bernd U. Schneider (GFZ)

Session Schedule

Wednesday:	09:00	Modern concepts of mine site reclamation <i>Prof. Dr. Dr. h.c. R. Hüttl, GFZ, Potsdam, Germany</i>
	09:15	Biomass for bioenergy – a global perspective <i>Dr. U. R. Fritsche, IINAS, Darmstadt, Germany</i>
	09:30	Woody biomass production systems <i>Prof. Dr. G. Glatzel, BOKU Vienna, Austria</i>
	09:45	Integrated approaches for the restoration of degraded land (tbc) <i>Dr. A. Müller, FAO, Rome</i>
	10:00	Coffee Break
	10:30	Introductory Statement, Discussion block Keynote 1
	10:50	Introductory Statement, Discussion block Keynote 2
	11:10	Introductory Statement, Discussion block Keynote 3
	11:30	Introductory Statement, Discussion block Keynote 4
	11:50	Wrap-up based on keynotes and comments of session participants <i>Dr. Bernd U. Schneider</i>



#22

Challenges for Intensifying International Soil Research Cooperation

Session abstract: Although global soil threats are in general well recognized, there are still many knowledge gaps concerning the dimension and class of degradation, fertility and risk potential of soils, soil information systems as well as sound technologies for sustainable use and reclamation of degraded sites. Many research institutions are directly and indirectly dealing with these questions on global, regional and national levels. However, a systematic investigation of these research activities and involved institutes has not yet taken place. This dialogue session will identify existing global soil research networks, discuss possibilities for a better cooperation and coordination and how they can contribute to strengthen sustainable land management.


Session hosts: National Academy of Science and Engineering (Acatech), Federal Ministry for Economic Cooperation and Development, BMZ

Session moderator: Stefan Schmitz, BMZ and Franz Makeschin (Acatech)

Session schedule

Wednesday:	09:00	Large tasks require appropriate structures: Are current soil research institutions adequately equipped to deal with these challenges? <i>Stefan Schmitz, BMZ and Franz Makeschin, Aactech</i>
	09:15	Overview of soil research programs and activities at CGIAR <i>Deborah Bossio</i> <i>Director Soils Research, International Center for Tropical Agriculture, CIAT</i>
	09:45	Deforestation and soil information: Demand for soil research for a successful implementation of macro-policies <i>Mauro Pires, Secretaria Executiva do Ministerio do Meio Ambiente, Brazil</i> <i>Helmut Eger, GIZ Brasilia</i>
	10:00	Sustainable soil fertility management with innovative technologies to ensure food and environment security <i>Wei-Li Zhang</i> <i>Chinese Academy of Agricultural Sciences (CAAS) , Beijing</i>
	10:15	Soil and site rehabilitation: Challenges on innovative and low-cost technologies for setting degraded land <i>Luca Montanarella (EC-DG-JRC)</i>
	10:30	The increased benefits to international soil research from collaboration with Europe <i>Stephen Nortcliff, Univ. Reading GB, former Secretary General of the International Union of Soil Science Societies</i>
	10:45	Efficient use of resources to sustainably improve agricultural productivity <i>David Nicholson, Bayer CropScience</i>
	11:00	Coffe Break



- 
- 11:30 Interactive discussion with the audience
Stefan Schmitz, BMZ
- 12:50 Conclusion & Outlook
Franz Makeschin, Acatech and Stefan Schmitz, BMZ

#23

From Deep Down: A Social Sculpture Soil Seminar

Session abstract: Sustainability is a creative challenge. Thus we need the resource of culture and the knowledge of art to develop a humane and ecologically viable world. The seminar “From Deep Down” offers a framework to develop a new awareness of soil which is informed by cultural research and by the idea of social sculpture. Social sculpture contains an expanded concept of art in the sense that `every human being is an artist` (Joseph Beuys). This means: We are all able and called upon to contribute creatively to the reshaping of our society into forms that can be experienced as humane and desirable. Soil science discusses the conditions that either degrade or increase humus activity. Comparably, which processes or substances today undermine or enhance our capacity to overcome exploitative ways of living and producing? Are there forms of thinking that harden, deteriorate or even seal, in the way that chemicals, asphalt and concrete act on the earth? Rather, what would be modes of knowing, of understanding and of communicating which help reconnect with soil, learn from soil and thus becoming ourselves `humus` of a culture of sustainability? How can we consciously nurture and enrich such ways of being in the world? This seminar is designed to welcome persons from all different disciplines, backgrounds and professions. It offers ideas and a creative methodology that can be integrated into various fields of work. The number of participants is limited to 12 persons.

Session host: und.Institut (and.Institute for Art, Culture and Sustainability), Berlin

Session moderator: Dr. Hildegard Kurt, cultural researcher and author, senior lecturer in Social Sculpture at Oxford Brookes University, GB, and co-founder of “und.Institut” (and.Institute for Art, Culture and Sustainability) in Berlin. www.und-institut.de, www.hildegard-kurt.de



Session schedule

Tuesday:

14:30	Introduction to the seminar
14:45	Finding one's earth
	Imaginative introduction as creative practice
15:45	Coffee / tea break
16:00	Being humus. How would we think and act, if we purpose-fully wanted to generate the effects that humus generates?
17:00	Gift. Action and impulse
17:15	Working from deep down. What could it mean for one's own practice to work from deep down?
18:00	Ways forward. Reflection on the joint explorations and insights for ongoing work
18:30	

Session schedule

Wednesday:

09:00	Introduction to the seminar
09:15	Finding one's earth.
	Imaginative introduction as creative practice
10:15	Coffee / tea break
10:30	Being humus. How would we think and act, if we purpose-fully wanted to generate the effects that humus generates?
11:30	Gift. Action and impulse
11:45	Working from deep down. What could it mean for one's own practice to work from deep down?
12:30	Ways forward. Reflection on the joint explorations and insights for ongoing work.



CONTACT



Global Soil Forum

Institute for Advanced Sustainability Studies e.V.

Institute for Advanced Sustainability Studies e.V.
Berliner Straße 130
14467 Potsdam
www.iass-potsdam.de

For more information:
globalsoilweek@iass-potsdam.de
www.globalsoilweek.org



SEE YOU NEXT YEAR

AT THE GLOBAL SOIL WEEK 2013