

1 September 19 - Parallel Sessions and Workshops World Resources Forum 2011 - Draft

19	Topic 1: Security of Supply	Topic 2: Growth, Innovation, Decoupling, Efficiency and Sufficiency	Topic 3: Assessment Methods, Resource Use Indicators and Targets	WS 1	WS 2	WS 3	WS 4	WS 8
Room	DISCHMA	FLÜELA	SERTIG	SCHWARZH.	SEEHORN	WISSHORN	SANADA I	SANADA II
Chairs	C. Ludwig / A. Reller	E. Drioli / H. de Groot	C. Herrmann / V. Coroama					
14:00-15:30	Resource Scarcity, Climate Change, and the Low-Carbon Economy – Doing Business in a Finite World (Katy Roelich, United Kingdom)	<b>Introductory lecture:</b> Assessing Global Resource Utilization Efficiency in the Industrial Sector (Marc Rosen, Canada)	Public perception and feedback dynamics - Improving potential for understanding and managing the natural resource management problem using socially oriented systems perspective (Himanshu Ardawatia, Norway)	Sustainable resource use and poverty eradication in developing countries (part 1)	Resource Impact Assessment in LCA/Ecoinvent database (part 1)	Closing Resource Loops- Distinguishing good from bad in the secondary commodity market (part 1)	The Rise of the Bio-economy: Chinese and European approaches	Resource-efficient Companies – Improving the material footprint of Products and Services
	On utilization of water resources in Central Asia (Khasan Karimov, Tajikistan)	Material flows and material productivity: a global assessment (Monika Dittrich, Switzerland)	Discrete Mathematical Data Analysis Approach: A Valuable Assessment Method for Sustainable Chemistry (Kristina Voigt, Germany)					
	How to overcome barriers to a resource efficient economy? The case of Eco-innovation market replication projects (Theodoros Staikos, Beatriz Yordi, Belgium)	How to Mine Urban Ore Efficiently and Effectively (William Worrell, USA)	Economic value and the sustainability of water resources: An integrated assessment approach for water and forests resources in the Sigi catchment, Tanzania (Aloyce Hepelwa, Belgium)					
	From invention to application - revealing the unexpected barriers for time to market of new technologies (Louis Hermann, Germany)	Nanotechnology, Risk Assessment and Innovation (Claudia Som/Marcel Weil, Switzerland)	Towards a dynamic criticality assessment: Linking agent-based demand - with material flow supply modelling approaches (Christof Knöri, Switzerland)					
	Urban mining of industrial buildings in the Rhein-Main area as a source for metallic resources (Carolin Wiesenmaier, Germany)	Eco-innovations for waste prevention – best practices, drivers and barriers (Henning Wilts, Germany)						

19	Topic 1: Security of Supply	Topic 2: Growth, Innovation, Decoupling, Efficiency and Sufficiency	Topic 3: Assessment Methods, Resource Use Indicators and Targets	WS 1	WS 2	WS 3
Room	DISCHMA	FLÜELA	SERTIG	SCHWARZH.	SEEHORN	WISSHORN
Chairs	H. Itoh / H. Boeni	L. Morselli / F. Kongoli	C. Herrmann / V. Coroama			
16:00-17:30	Improving the policy application of Footprint indicators to support Europe's transition to a One Planet Economy (Katy Roelich, United Kingdom)	The Natural Change in Urban Architecture (Hubert Rhomberg, Austria)	Indicators and targets for implementing resource efficiency policies in the Europe 2020 strategy (Stefan Giljum, Austria)	Sustainable resource use and poverty eradication in developing countries (part 2)	Resource Impact Assessment in LCA/Ecoinvent database (part 2)	Closing Resource Loops - Distinguishing good from bad in the secondary commodity market (part 2)
	Economic effects of peak oil (Christian Lutz, Germany)	Resource Management and Technological Innovation (Presenter: Sascha Hermann, Germany)	Resource efficiency potential of selected technologies, products and strategies (Katrin Bienge, Germany)			
	Peak minerals & resource sustainability: a cross commodity analysis (Damien Giurco, Australia)	EXIOPOL and CREEA: Towards a global Multi-Regional Economic and Physical Supply and Use tables with Environmental Extensions (Arnold Tukker, Netherlands)	Resource efficiency potential of electricity generation by renewable energies (Klaus Wiesen, Germany)			
	Secondary resources and recycling in developing countries (Lakshmi Raghupathy, India)	Cradle to Cradle – An innovation path towards a circular economy – Product and project examples from various industries (Albin Kälin, Switzerland)	Use of Wastewater in Agriculture - Approach to Sustainable Water Resource Management (Andelka Belic, Serbia)			
	Security of supply of energy resources in emerging economies - managing complexity (Ajoy Ghose, India)	Resource Productivity and Economic Wealth. A theoretical criticism of Europe 2020 growth policy (Erich Hoedl, Austria)				

20	Topic 1: Security of Supply	Topic 2: Growth, Innovation, Decoupling, Efficiency and Sufficiency	Topic 3: Assessment Methods, Resource Use Indicators and Targets	Topic 4: The Social Dimension of Resources	WS 5	WS 6	WS 7
Room	DISCHMA	FLÜELA	SERTIG	SCHWARZH.	SEEHORN	WISSHORN	SANADA I
Chairs	M. Reuter / P. Wäger	D. Müller / Y. Lü	M. Charter / C. Binder	W. Stahel / W. Lohmann			
14:00-15:30	Prospects of nuclear energy in terms of their uranium fuel supply (Nikolaus Arnold, Austria)	Counterintuitive Solutions for Urban Water Resource Management In Developing Countries (Karan Khosla, India)	Integrated assessment of nuclear energy scenarios in Europe (Claudia Binder, Austria/Switzerland)	<b>Introductory lecture:</b> Sustainable economics includes taxation (Walter Stahel, Switzerland)	Approaches for resource policies (part 1)	Practical business examples (ÖBU) (part 1)	Less common elements (part 1)
	The end of cheap uranium (Michael Dittmar, Switzerland)	Economic Growth, Decoupling and Urban Infrastructure (Katherine Hyman, South Africa)	Country pathways along the water-greenhouse-gas nexus (Bastian Schröter, Germany)	The other side of the coin: how climate change mitigation in rich countries might impact poorer nations? (Marco Sakai, United Kingdom)			
	Sustainable governance of scarce metals: the case of Lithium (Timothy Prior, Australia)	The relevance of logistics optimization in the collection, transport and storage of hazardous waste from atomised SME (Pastora B. Bugallo, Spain)	Techno-economics of small scale biogas upgradation and bottling system for vehicular use in India (Vijay Virendra Kumar, India)	Material footprint of poor households – approach for defining a decent lifestyle? (Michael Lettenmeier, Finland)			
	Sustainable Use of Phosphorous: A Finite Resource (Roland Scholz, Switzerland)	The physical economy of the USA in the long term perspective (Sylvia Gierlinger, Austria)	Resource-optimized sustainable Biomass Production (Alexa Lutzenberger, Germany)	Become sustainable! The individual transition process as/is a matter of science (Gerhard Frank, Austria)			
		Model and scenarios for direct energy consumption and CO2-emissions of the Chinese passenger car stock until 2050 (Daniel Müller, Norway)	A framework for LCA-based system optimization and selection of best technologies and examples from its application to the optimal use of European bioenergy (Bernhard Steubing, Switzerland)	The Global Warming Potential Impact of a 'Small' Basketball Event (Matt Dolf, Canada)			

20	Topic 1: Security of Supply	Topic 2: Growth, Innovation, Decoupling, Efficiency and Sufficiency	Topic 3: Assessment Methods, Resource Use Indicators and Targets	Topic 4: The Social Dimension of Resources	WS 5	WS 6	WS 7	UNEP REEO
Room	DISCHMA	FLÜELA	SERTIG	SCHWARZHORN	SEEHORN	WISSHORN	SANADA I	SANADAII
Chairs	M. Reuter / P. Wäger	R. Bonora / H. Boeni	F. Hinterberger / V. Coroama	W. Stahel / W. Lohmann				
16:00-17:30	A more sumptuous and sustainable source of animal protein than macro livestock: edible insects (Tasneem Abbasi, India)	<b>Introductory lecture:</b> Developing a supply cycle for post-consumer regenerated materials (PCR) (Chris Slijkhuis, USA/Austria)	Assessing the Biosphere's natural endowment and human resource consumption through the Ecological Footprint: the Mediterranean situation and its implication for the region's competitiveness (A. Galli, Italy)	Human and resources: sources of devastation? (Pastora Bello Bugallo, Spain)	Approaches for resource policies (part 2)	Practical business examples (ÖBU) (part 2)	Less common elements (part 2)	Global Launch of the Resource Efficiency: Economics & Outlook (REEO) Reports
	The role of raw materials in current and emerging energy technologies (Benjamin Achzet, Germany)	Photovoltaic and Hydrogen – the unlimited Energy Resource (Michael Schubert, Austria)	Calculating the Ecological Footprint of a Data Centre to identify Hot-Spots of Energy and Resource use (Julia Haslinger, Austria)	Bio-globalism and the Knowledge Commons Beyond public domain (Takayuki Hiraki, Japan)				
	Surviving global environmental threats: is the Gandhian model the ultimate resort? (S.A. Abbasi, India)	Theory and Policy Applications – The Resource Curse: Case of South Africa – A Strategic Perspective (Donald Ah Pak, China)	Sustainable resource use requires “clean” cycles and safe “final sinks” (Ulrich Kral, Austria)	E-waste management in United Arab Emirates (Sethu Meenakshisundaram, United Arab Emirates)				
	CultNature. Transformation of brownfields to sustainable urban landscapes (Franz Lehner, Germany)	Japanese technology attempts new wave of sustainable material use - “Use abundant material” (Kohmei Halada, Japan)	The contribution of waste prevention and ecodesign to material productivity in the EU (Adrian Tan, France)	Application of resource efficiency in Russia: experiences and potentials (Olga Sergienko/Holger Rohn, Russian Federation)				
			Title to be confirmed  (Dorian Signer, Switzerland)	Technological innovation, social change and human capital for sustainability. Lessons learnt (Industrial Technologies theme, EU's Research F. Prog.) (Jesús Alquézar, Belgium)				

21	Topic 1: Security of Supply	Topic 2: Growth, Innovation, Decoupling, Efficiency and Sufficiency	Topic 3: Assessment Methods, Resource Use Indicators and Targets	Topic 5: Communication and Education	WS 9	Special Game	Film Special
Room	DISCHMA	FLÜELA	SERTIG	SCHWARZHORN	WISSHORN	SANADA I	ASPEN
Chairs	C. Ludwig / T. Prior	W. Worrell / Empa	L. Hilty / M. Schluep	M. Wilenius / Empa			
11:00-12:30	Potentials and limits of recycling in a socio-metabolic context (Willi Haas, Austria)	Sustainable use of resources between scientific awareness and implementation in politics (Ion Karagounis, Switzerland)	Global life cycles for four rare earth elements (Xiaoyue Du, USA)	Resource efficiency and Culture - workplace training for small and medium sized enterprises (Holger Rohn, Germany)	Economic and Social Aspects of Resources (in preparation)	UCS Creative Simulation Game on Sustainable Resource Use	"The Light Bulb Conspiracy" (with introduction by writer/director Cosima Dannoritzer)
	A Footprint Family extended MRIO model to support Europe's transition to a One Planet Economy (Alessandro Galli, Italy)	Ethical Water Stock Exchange (Valérie Issumo, Switzerland)	Developing Countries must Look Inwards to Move Outward: An Analysis on Efficient Resource Utilization (Sridhar Mynepalli, Nigeria)	Visual Creativity for Sustainability Communication (Helmut Langer, Germany)			
	The role of the informal sector in the management of secondary resources – the case of e-Waste in West Africa (Mathias Schluep, Switzerland)	New Horizons of Natural Resources in the Eurasia: Southeastern Anatolia Region and Southeastern Anatolia Project (GAP) in Turkey (Bulent Acma, Turkey)	Visualization of Inter-industry Material Flow and Impurities in Iron and Steel Scrap along the Supply Chain of a Passenger Car (Yasushi Kondo, Norway)	REdUSE Global Resource Report I – the relation between resource extraction and water use (Stephan Lutter, Austria)			
	Critical materials and dissipative losses: a screening study (Stefan Gössling-Reisemann, Germany)	Sustainable demand for wood in case of increasing demands for renewables? (Witold-Roger Pogonietz, Germany)	Stochastic approach using Monte Carlo Simulation for LCI applied to the ArcelorMittal Steel Poland S.A. in Krakow, Poland steel process chain case study (Boguslaw Bieda, Poland)	Application of the ecological backpack for the communication on sustainable production-consumption systems (Michael Lettenmeier, Finland)			
	Dissipation and the Need for Benign Design (Klaus Kümmerer, Germany)	Renewable Energy Sources and the Control of Global Warming, Pollution (S.A. Abbasi, India)	Analysis of the slaughterhouses in Galicia (NW Spain) (Pastora Bello Bugallo, Spain)	Application of resource productivity for higher education in food and nutrition (Petra Teitscheid, Germany)			