

# The EcoBalance 2010 Tentative Time Table of Session

Room A : Mirai CAN Hall Room B : Innovation Hall Room C : Conference room 2 Room D : Conference room 1 Room E : Conference room 3 \*[S- ] : Special Session

	Room A	Room B	Room C	Room D
<b>9<sup>th</sup> Nov.</b>				
18:00-20:00	Welcome Party (Room E)			
<b>10<sup>th</sup> Nov.</b>				
10:00-12:00	<b>Opening &amp; Plenary (Room A)</b> <b>Keynote 1 Chemical Risk Management in Consideration of Greenhouse Effects</b> Junko NAKANISHI (National Institute of Advanced Industrial Science and Technology) <b>Keynote 2 How Should We Shape Our Future? - Beyond Low-Carbon Society</b> To be announced (A member of the House of Representatives)			
12:00-13:30	Lunch			
13:30-15:10	*[S-1] Sustainable management of agricultural and biomass resources using the life cycle approach (1)	Theory and practice on supply chain analysis	Resource and environment in Asia (1)	*[S-3] Advances of knowledge for assessing water resource use and consumption in LCA
	Break			
15:10-16:30	*[S-1] Sustainable management of agricultural and biomass resources using the life cycle approach (2)	Design for sustainable transport	*[S-4] Decoupling environmental impact and resource use from economic growth in Asia	Lifestyle & consumption
16:30-16:50	Break			
16:50-18:10	*[S-1] Sustainable management of agricultural and biomass resources using the life cycle approach (3)	Life cycle thinking on building	*[S-4] Decoupling environmental impact and resource use from economic growth in Asia	International trade & waste management issue
<b>11<sup>th</sup> Nov.</b>				
9:00-10:20	*[S-1] Sustainable management of agricultural and biomass resources using the life cycle approach (4)	*[S-7] Applications of LCA to new-technology innovation (1)	*[S-2] Sustainable mining from natural and urban reserves (1)	Resource and environment in Asia (2)
10:20-10:40	Break			
10:40-12:00	*[S-1] Sustainable management of agricultural and biomass resources using the life cycle approach (5)	*[S-7] Applications of LCA to new-technology innovation (2)	*[S-2] Sustainable mining from natural and urban reserves (2)	New topics in LCA database (1)
12:00-13:30	Lunch			
13:30-14:30	Poster Session A			
14:30-14:50	Break			
14:50-16:30	*[S-1] Sustainable management of agricultural and biomass resources using the life cycle approach (6)	Carbon resource management in energy system	*[S-2] Sustainable mining from natural and urban reserves (3)	New topics in LCA database (2)
16:30-16:50	Break			
16:50-17:50	Poster Session B			
18:30-20:30	Banquet at 'GRAND PACIFIC LE DAIBA'			
<b>12<sup>th</sup> Nov.</b>				
10:00-12:00	*[S-5] Index and methods to assess socio-economic impacts and sustainability	New topics in LCA database (3)	*[S-8] Materials for raising environmental consciousness of consumers and promoting environmental practices of consumers	*[S-6] International standardization of environmental management accounting
12:00-13:30	Lunch			
13:30-15:10	*[S-7] Applications of LCA to new-technology innovation (3)	Environmental education for life cycle thinking	*[S-8] Materials for raising environmental consciousness of consumers and promoting environmental practices of consumers	Risk assessment and management
15:10-16:10	Closing			
16:10-16:50	Farewell Party (Room E)			

(As of 5<sup>th</sup> September, 2010)

# The EcoBalance 2010 Tentative Oral Session Program

Room A : Mirai CAN Hall    Room B : Innovation Hall    Room C : Conference room 2    Room D : Conference room 1    Room E : Conference room 3    \*[S- ] : Special Session

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<b>9<sup>th</sup> Nov</b>																			
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<b>Keynote 2 How Should We Shape Our Future? - Beyond Low-Carbon Society</b> To be announced (A member of the House of Representatives)																			
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Lunch																			
*[S-1]										*[S-3]									
Sustainable management of agricultural and biomass resources using the life cycle approach (1)					Theory and practice on supply chain analysis					Resource and environment in Asia (1)					Advances of knowledge for assessing water resource use and consumption in LCA				
13:30-13:50					13:30-13:50					13:30-13:50					13:30-13:50				
A1-1330 Invited <b>Coping with Rebound Effects of Biofuel Production in LCA</b> Roland Werner SCHOLZ (ETH Zurich) Switzerland					B1-1330 <b>Environmental Implications of China - Australia Trade: An Assessment of Embodied GHG Emissions, Energy and Pollutants</b> Hao TAN (University of Western Sydney) Australia					C1-1330 <b>Analysis of Energy Consumption Structure in Suzhou, China</b> Haiyan ZHANG (Osaka University) Japan					D1-1330 Invited <b>Life-Cycle Approaches for the Water Footprint of Products: The Balancing Act Between Simple Indicators and Complex Methods</b> Annette KOEHLER (ETH Zurich) Switzerland				
13:50-14:10					13:50-14:10					13:50-14:10					13:50-14:10				
A1-1350 <b>Food, Feed, Fuel, Forest or Carbon Sink: Can LCA Provide Guidance on How to Best Use Land?</b> Miguel BRANDÃO (European Commission) Italy					B1-1350 <b>Understanding the Drivers Behind the Changing Carbon Footprint of Services: a Global, Trade-Linked Analysis</b> Jan MINX (Technical University Berlin) Germany					C1-1350 <b>Input-Output Analysis and CO<sub>2</sub> Emission of Construction Sector Associated with Infrastructure Development in China</b> Tao HUANG (Nagoya University) Japan					D1-1350 <b>Input-output Model Based Analysis of Water Consumption and Water Footprint of China 2005</b> Jing LIU (Waseda University) Japan				
14:10-14:30					14:10-14:30					14:10-14:30					14:10-14:30				
A1-1410 Invited <b>Land Use Assessment of Biofuel Feedstock Cultivation in Japan</b> Tabea BECK (University of Stuttgart) Germany					B1-1410 <b>Modeling of an Environmental and Economic Sustainable Business Concept</b> Markus MAU (Alanus University / German Standardization Organization (DIN)) Germany					C1-1410 <b>Analysis of Energy Productivity in China</b> Michinori UWASU (Osaka University) Japan					D1-1410 <b>Damage Assessment of Water Scarcity for Agricultural Use</b> Masaharu MOTOSHITA (National Institute of Advanced Industrial Science and Technology) Japan				
14:30-14:50					14:30-14:50					14:30-14:50					14:30-14:50				
A1-1430 <b>A Scenario-Based Assessment of Regional Biomass Utilization Using the Life Cycle Approach: A Case Study on Biorefinery Systems Founded on Sweet Potatoes in Southern Kyushu</b> Susumu UCHIDA (National Agriculture and Food Research Organization Japan) Japan					B1-1430 <b>Structural Path Analysis and Triangularization of Input-Output Table for Understanding Carbon Footprint</b> Yasushi KONDO (Waseda University / Norwegian University of Science and Technology) Norway					C1-1430 <b>Global and Asian Material Flow and Economic Growth</b> Shinichiro FUJIMORI (National Institute for Environmental Studies) Japan					D1-1430 <b>Poster spot light</b> Ramon FARRENY (Sostenipra (Icta-Irta-Inèdit)) Young Deuk KIM (Rural Research Institute of KRC) Yuya ONO (Tokyo City University) Francesca VERONES (Eth Zurich)				
14:50-15:10																			
Break																			
*[S-1]										*[S-4]									
Sustainable management of agricultural and biomass resources using the life cycle approach (2)					Design for sustainable transport					Decoupling environmental impact and resource use from economic growth in Asia					Lifestyle & consumption				
15:10-15:30					15:10-15:30					15:10-15:30					15:10-15:30				
A1-1510 Invited <b>The Environmental and Social Impacts of Biofuels Production: Total Cost Assessment of Biomass Utilization Trials in Japan</b> Lise LAURIN (EarthShift, LLC) United States					B1-1510 <b>Sustainable Transport in Supply Chain Management</b> Raul CARLSON (Viktoria Institute) Sweden					C1-1510 <b>Greenhouse Gas (GHG) Emissions and Their Characteristics in Asia Based on National GHG Inventories</b> Junko AKAGI (National Institute for Environmental Studies) Japan					D1-1510 <b>Lifestyle and Household Consumption in Nagoya – Toward a Low Carbon Future</b> Dami MOON (Nagoya University) Japan				
15:30-15:50					15:30-15:50					15:30-15:50					15:30-15:50				
A1-1530 <b>Life Cycle Assessment of an Aged Red Wine From a Familiar Cellar in Catalonia, Spain</b> Niklas VON DER ASSEN (Universitat Rovira i Virgili) Spain					B1-1530 <b>Transformational Trucking: Double Efficiency and Sustainable Transport</b> Hiroko KAWAI (Rocky Mountain Institute) United States					C1-1530 Invited <b>Integrated Pathway for Low Carbon and Low Local Air Pollution</b> Kejun JIANG (Energy Research Institute) China					D1-1530 <b>CO<sub>2</sub> Emissions from Consumers' Daily Lives from the Viewpoint of Time Use</b> Tomohiko IHARA (National Institute of Advanced Industrial Science and Technology) Japan				
15:50-16:10					15:50-16:10					15:50-16:10					15:50-16:10				
A1-1550 <b>Environmental Evaluation by Means of LCA of a Renewable Material Product: The Natural Cork Stopper</b> Jesus RIVES (SosteniPra: UAB-IRTA) Spain					B1-1550 <b>The Role of Motor Vehicle Lifetime Extension in Climate Change Policy</b> Shigemi KAGAWA (Kyushu University) Japan					C1-1550 <b>The Green Economy Mirage? – Assessing the Potential Environmental Impact of Low-Carbon Growth Strategies in Taiwan</b> Chia-Wei CHAO (National Taiwan University) Taiwan, R.O.C.					D1-1550 <b>Scenario Analysis about LC-GHG Emission of Household Food Consumption Considering Household Characteristics</b> Naoki YOSHIKAWA (Ritsumeikan University) Japan				
16:10-16:30					16:10-16:30					16:10-16:30					16:10-16:30				
A1-1610 Invited <b>Development of Ecological Scarcity Japan</b> Rolf FRISCHNECHT (ESU-services Ltd.) Switzerland					B1-1610 <b>Reduction of CO<sub>2</sub> and Cost-Effectiveness Analysis by Future Technology of Automobile</b> Shuichi KANARI (Japan Automobile Research Institute) Japan					C1-1610 <b>Another Role for Renewables: Decoupling Regional Development and Environmental Degradation through Renewable Energy Mobilization</b> William II Young BYUN (Asia Renewables) Singapore					D1-1610 <b>Life Cycle Inventory Analysis about Biogasification of Household Food and Paper Waste</b> Takeshi MATSUDA (Kyoto University) Japan				
16:30-16:50																			
Break																			



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Session	<b>*[S-1] Sustainable management of agricultural and biomass resources using the life cycle approach (3)</b>	<b>Life cycle thinking on building</b>	<b>*[S-4] Decoupling environmental impact and resource use from economic growth in Asia</b>	<b>International trade &amp; waste management issue</b>
16:50-17:10	A1-1650 <b>Non-CO<sub>2</sub> GHG Emission from Natural Processes in Carbon Footprint of Foods</b> Masanori SAITO (Tohoku University) Japan	B1-1650 <b>Case Studies in Lifecycle Building Design</b> Erin E. MOORE (University of Oregon) United States	C1-1650 <b>Resource Efficiency: Economics and Outlook for the Asia-Pacific Region</b> Heinz SCHANDL (CSIRO Sustainable Ecosystems) Australia	D1-1650 <b>Exploring Lead Life Cycle From Inter-Country Trade</b> Masaaki FUSE (National Institute of Advanced Industrial Science and Technology) Japan
17:10-17:30	A1-1710 <b>Sustainable Food Production</b> Johanna TELIEPS (Alanus University) Germany	B1-1710 <b>The Role of LCA in the German Sustainable Building Certification</b> Bastian WITTSTOCK (University of Stuttgart) Germany	C1-1710 <b>Evaluating Industrial Energy Efficiency and Resource Productivity on the Basis of Taiwan Economy-Wide Material Flow Inventory</b> Guan-Lin LU (National Taipei University) Taiwan, R.O.C.	D1-1710 <b>Substance Flow Analysis on the Alloying Elements Associated with Steel Materials Based on WIO MFA Model</b> Hajime OHNO (Tohoku University) Japan
17:30-17:50	A1-1730 <b>Greenhouse Gas Emissions for Calculating Carbon Footprint of Sugar Production: A Case Study in Eastern Thailand</b> Monthira YUTTITHAM (King Mongkut's University of Technology Thonburi) Thailand	B1-1730 <b>Selecting Materials for Environmental-Friendly Buildings: The Need for Improved Environmental Impact Data</b> Nachawit TIKUL (Industrial Management and Technology) Thailand	C1-1730 <b>Municipal Waste Banking System in Thailand: Lesson Learned from Sakonnakorn Province</b> Chanathip PHARINO (Chulalongkorn University) Thailand	D1-1730 <b>Exploring the Benefits of Environmental Policy on Innovation and Market Behavior: The Japanese Experience in Dealing with Waste Management</b> Helmut YABAR (University of Tsukuba) Japan
17:50-18:10	A1-1750 <b>Carbon Footprinting of Thai Rice Products: Practical Issues for Harmonised Methodology</b> Rattawan MUNGKUNG (Kasetsart University) Thailand	B1-1750 <b>Ecological design of green roofs for sustainable cities</b> C.Y. JIM (The University of Hong Kong) Hong Kong	C1-1750 <b>Structural Property of Global GHG and Resource Networks Embedded in Product Supply-Chain</b> Keisuke NANSAI (National Institute for Environmental Studies) Japan	D1-1750 <b>Mixed Metal Scrap in Japan and Its Export Control</b> Atsushi TERAZONO (National Institute for Environmental Studies) Japan

11 <sup>th</sup> Nov.				
Session	<b>*[S-1] Sustainable management of agricultural and biomass resources using the life cycle approach (4)</b>	<b>*[S-7] Applications of LCA to new-technology innovation (1)</b>	<b>*[S-2] Sustainable mining from natural and urban reserves (1)</b>	<b>Resource and environment in Asia (2)</b>
9:00-9:20	A2-0900 <b>Nutrient Recovery of the Effluent of Anaerobic Wastewater Treatment from Swine Farm by Magnesium Ammonium Phosphate Precipitation</b> Sutha KHAODHIAR (Chulalongkorn University) Thailand	B2-0900 <b>Trend Analysis of Factors to Build Material Cycle in Biomass Town Concepts</b> Rokuta INABA (National Institute for Environmental Studies) Japan	C2-0900 <b>Substance Flow Analysis of Zinc Correlated with South Korean Steel Industry</b> Yong Soo JEONG (Tohoku University) Japan	D2-0900 <b>Scenario Analysis on Zinc Recovery from Steel Making Dust in Thailand</b> Romchat CHAIRAKSA (Tohoku University) Japan
9:20-9:40	A2-0920 <b>Assessment of Nitrogen and Phosphorus Distribution from Pig Farming to Bang Pakong Basin, Thailand</b> Wallapa KUPKANCHANAKUL (Mahidol University) Thailand	B2-0920 <b>Klimatre: Wood for a Better Climate and Higher Value Added Products</b> Marco IOTTI (PFI AS) Norway	C2-0920 <b>Substance Flow Analysis of Cadmium in Korea</b> Minjung SON (Konkuk University) Republic of Korea	D2-0920 <b>Survey of Household Waste Generation and Willingness to Separate Waste Collection in Sri Lanka</b> Weranga Madhushan KAHAWE GURUGE (Okayama University) Japan
9:40-10:00	A2-0940 <b>Design-Based Calculation of Life Cycle Inventory (LCI) Data for Fertilizer Production and Comparison of Results to Other LCI.</b> Evan M GRIFFING (Environmental Clarity LLC) United States	B2-0940 <b>Assessing Resource Saving Innovations in the Forest-Based Sector Industries</b> Silke FEIFEL (Karlsruhe Institute of Technology) Germany	C2-0940 <b>Dynamic Modeling of Cadmium Substance Flow with Zinc and Steel in Japan</b> Yasunari MATSUNO (The University of Tokyo) Japan	D2-0940 <b>A Brief Observation on Implementation of Taiwan Corporate Social Responsibility</b> Wang Kun CHEN (Jin-Wen University of Science and Technology) Taiwan, R.O.C.
10:00-10:20	A2-1000 <b>Robustness of Resource Forecasts – The Hubbert Curve Applied to Phosphorus</b> David A VACCARI (Stevens Institute of Technology) United States	B2-1000 <b>Environmental Impact Assessment in Consideration of Utilization Form of Products: An Example of a Paperless Meeting</b> Takafumi NAKAJIMA (Waseda University) Japan	C2-1000 <b>Domestic Material Flow of Zinc and Present Status of EAF Dust Management for Zinc Recovery in Taiwan</b> Hwong-Wen MA (National Taiwan University) Taiwan, R.O.C.	D2-1000 <b>Association Between Rural Electrification and Concerns Toward Forest Conservation: A Study in Indonesia</b> I Wayan Gede SANTIKA (State Polytechnic of Bali) Indonesia
10:20-10:40	Break			



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Session	*[S-1] Sustainable management of agricultural and biomass resources using the life cycle approach (5)	*[S-7] Applications of LCA to new-technology innovation (2)	*[S-2] Sustainable mining from natural and urban reserves (2)	New topics in LCA database (1)
10:40-11:00	A2-1040 Invited <b>Bio-Recycle of Phosphorus Resource for Sustainable Agriculture and Industry</b> Hisao OHTAKE (Osaka University) Japan	B2-1040 <b>Life Cycle Assessment of Virtual Meeting Solutions</b> Fredrik JONSSON (Ericsson Research) Sweden	10:40-10:50 <b>Sustainable mining from Natural and Urban Reserves</b> Shinsuke MURAKAMI (University of Tokyo) Kenichi NAKAJIMA (National Institute for Environmental Studies) Japan	D2-1040 <b>Lessons from Working in Unep's Resource Panel Secretariat for Strengthening Resource Efficiency Indicators in LCA</b> Guido SONNEMANN (United Nations Environment Programme) France
11:00-11:20	A2-1100 <b>WIO-MFA on Phosphorus Recovery from the Waste Materials</b> Kazuyo MATSUBAE (Tohoku University) Japan	B2-1100 <b>Environmental Relief Effects of Nanotechnologies by the Example of CNT Composite Materials and Films</b> Arnim Von GLEICH (University of Bremen) Germany	C2-1050 10:50-11:15 <b>Metal Mining: Its Impact to Environment and Approaches to Mitigate</b> Hiroshi SHIMOTORI (Japan Oil, Gas and Metals National Corporation) Japan	D2-1100 Invited <b>e-DEA as a Practical Design for Environment Tool</b> Andreas CROTH (GreenDeltaC) Germany
11:20-11:40	A2-1120 <b>A Critical Review of Advanced Biofuels Life Cycle Analyses</b> Fabio Machado MENTEN (Institut Français du Pétrole (IFP)) France	B2-1120 <b>Eco-Balance of the Production Phases of Post Combustion CO<sub>2</sub>-Capture Technologies – A Comparison</b> Stefanie TROY, NÉE WEBER (Ruhr University Bochum) Germany	C2-1115 11:15-11:35 <b>A Practical and Rigorous Methodology for Integrating Sustainable Development Principles into Decision-Making Processes at Minerals Processing Operations</b> Daniel TUAZON (Sustainable Minerals Institute) Australia	D2-1120 <b>Facilitating a Harmonisation Process Across Product Carbon Footprint Standards and PCR's</b> Mark GOEDKOOP (PRé Consultants) Netherlands
11:40-12:00	A2-1140 <b>A Well-to-wheel Greenhouse Gases Analysis of Cassava-based Ethanol Fuels in Thailand</b> Seksan PAPONG (National Metal and Materials Technology Center) Thailand	B2-1140 <b>Value Chain Approach to WEEE Management</b> Maria Helena TÖRN (Aalto University) Finland	C2-1135 Invited 11:35-12:00 <b>Which Way is Right on CRT Recycling from an Environmental Point of View?</b> Takashi NAKAMURA (Tohoku University) Japan	D2-1140 <b>Data Network of the International Reference Life Cycle Data System (ILCD)</b> Kirana CHOMKHAMSRU (European Commission, Joint Research Centre) Italy
12:00-13:30	Lunch			
13:30-14:30	Poster Session A			
14:30-14:50	Break			
Session	*[S-1] Sustainable management of agricultural and biomass resources using the life cycle approach (6)	Carbon resource management in energy system	*[S-2] Sustainable mining from natural and urban reserves (3)	New topics in LCA database (2)
14:50-15:10	A2-1450 Invited <b>Sustainable Utilisation of Biomass Resources Using an Integrated Approach</b> Shabbir H. GHEEWALA (The Joint Graduate School of Energy and Environment) Thailand	B2-1450 <b>Applicability of Co-Evolutionary Cross-Linkages in Terms Of A) Environment-Related Technological Innovations And B) Technology-Related Built-Environmental Re-Designs to Lca Framework</b> Joy SEN (IIT Kharagpur) India	C2-1450 Invited <b>Hybrid Ghoshian Framework for Mapping Industrial Metal Flow Networks: With a Case Study of South Korea</b> Sangwon SUH (University of California in Santa Barbara) United States	D2-1450 <b>The Ecoinvent Database - Linking to the Global Market</b> Bo P WEIDEMA (ecoinvent) Switzerland
15:10-15:30	A2-1510 <b>An Indication of a Carbon-Footprint of Paprika Due to the Greenhouse Facilities with an Installation of Biomass Energy System</b> Kiyoshi DOWAKI (Tokyo University of Science) Japan	B2-1510 <b>Research on Supply Chain Management of Photovoltaic Industry to Reduce CO<sub>2</sub> Emission in Global Perspective</b> Kotaro KAWAJIRI (National Institute of Advanced Industrial Science and Technology) Japan	C2-1510 <b>The Grade of Materials in Urban Mine in Terms of Total Materials Requirement ~ A Comparison among Electronics, Urban Buildings and Vehicle ~</b> Eiji YAMASUE (Kyoto University) Japan	D2-1510 <b>Development of Chinese Reference Life Cycle Database (CLCD)</b> Hongtao WANG (Sichuan University) China
15:30-15:50	A2-1530 <b>Environmental Challenges When Developing Renewable Materials to Replace Non-Renewable Materials - Receiving Guidance from LCA Studies</b> Gunilla CLANCY (Chalmers University of Technology) Sweden	B2-1530 <b>A Life Cycle Perspective on Geothermal Heat Pump Systems in Europe</b> Dominik SANER (ETH Zurich) Switzerland	C2-1530 <b>Consequential MFA – A New Approach to Integrate MFA and LCA</b> Laura SCHNEIDER (Technische Universität Berlin) Germany	D2-1530 <b>Life Cycle Inventories for Bioenergy: A German Database for Policy Support</b> Liselotte SCHEBEK (Karlsruher Institut für Technologie, ITAS-ZTS) Germany
15:50-16:10	A2-1550 <b>Life Cycle Assessment of Novel Chemical Production: A Case Study of Biomass-Derived Resin</b> Yasunori KIKUCHI (The University of Tokyo) Japan	B2-1550 <b>A Life Cycle Greenhouse Gas Assessment of Remanufactured Refrigeration and Air Conditioning Compressors</b> Wahidul K BISWAS (Senior Research Fellow) Australia	C2-1550 <b>Thermodynamic Evaluation for the Controllability on Recovery/Removal of Elements in Some Metallurgical Processes</b> Osamu TAKEDA (Tohoku University) Japan	D2-1550 <b>US Activities in Making Life Cycle Inventory Data More Available to Users</b> Mary Ann CURRAN (US Environmental Protection Agency) United States
16:10-16:30	<b>Discussion</b>	B2-1610 <b>An Application of LCA to Clarification of CO<sub>2</sub> EOR as a Storage Option for CCS</b> Jitsopa SUEBSIRI (IPAC-CO <sub>2</sub> ) Canada	C2-1610 <b>Sustainability Index of Metals</b> Kohmei HALADA (National Institute for Materials Science) Japan	D2-1610 <b>The Quebec National LCI Database Initiative: Database Development without Reinventing the Wheel</b> Pascal LESAGE (CIRAIG) Canada
16:30-16:50	Break			
16:50-17:50	Poster Session B			
18:30-20:30	Banquet at 'GRAND PACIFIC LE DAIBA'			

12 <sup>th</sup> Nov.				
Room A	Room B	Room C	Room D	
<b>*[S-5]</b> <b>Index and methods to assess socio-economic impacts and sustainability</b>	<b>New topics in LCA database (3)</b>	<b>*[S-8]</b> <b>Materials for raising environmental consciousness of consumers and promoting environmental practices of consumers</b>	<b>*[S-6]</b> <b>International standardization of environmental management accounting</b>	
10:00-10:20 A3-1000 Invited <b>Towards Life Cycle Sustainability Assessment - Integrating Social and Economic Aspects into Life Cycle Assessment</b> Matthias FINKBEINER (Technische Universite Berlin) Germany	83-1000 <b>LCA Databases 2010 and Beyond – Basis to Improve Products and Services –</b> Martin BAITZ (PE International GmbH) Germany	C3-1000 <b>New Aspects of Ecomaterials</b> Yoshikazu SHINOHARA (National Institute for Materials Science) Japan	D3-1000 Invited <b>The Role of MFCA in Coping with the Challenges of 2020</b> Bernd WAGNER (University of Augsburg) Germany	
10:20-10:40 A3-1020 <b>A UNEP/SETAC Tool Box for LC Sustainability Assessment of Products</b> Sonia VALDIVIA (United Nations Environment Programme DTIE) France	83-1020 <b>Method Developed for Simplified Inventory-Data Estimation of Foreign-Made Products</b> Kensuke KOBAYASHI (Tokyo Univrsity of Science) Japan	C3-1020 Invited <b>Eco-Materials Covertied from Natural Materials</b> Di ZHANG (Shanghai Jiaotong university) China	D3-1020 <b>The Impacts of MFCA Management to Corporate Financial Performances</b> Michiyasu NAKAJIMA (Kansai University) Japan	
10:40-11:00 A3-1040 <b>Social Life Cycle Assessment of Biodiesel in South Africa: an Initial Assessment</b> Charles MBOHWA (University of Johannesburg) South Africa	83-1040 <b>European Reference Life Cycle Database (ELCD)</b> Marc-Andree WOLF (Joint Research Centre) Italy	C3-1040 Invited <b>Subjects on Fatigue Crack Generation in High Strength Alloys for Long-Life Design</b> Osamu UMEZAWA (Yokohama National University) Japan	D3-1040 <b>MFCA Management in OMRON</b> Toshiaki HARADA (OMRON Co.) Japan	
11:00-11:20 A3-1100 <b>Social Impact Index of ICT Services -Case Study of Videoconferences in Japan And France-</b> Kazue Ichino TAKAHASHI (Nippon Telegraph and Telephone Corporation) Japan	83-1100 <b>Modeling Life Cycle Inventories for Agricultural Production and Biomass Utilization: Development of The NARO LCI Database</b> Kiyotada HAYASHI (National Agriculture and Food Research Organization) Japan	C3-1100 <b>Precise Syntheses and Properties of New Bio-Based Polymers</b> Hideki ABE (RIKEN Biomass Engineering Program) Japan	D3-1100 <b>MFCA Management in Sekisui Chemical</b> Masashi NUMATA (Sekisui Chemical Co., Ltd.) Japan	
11:20-11:40 A3-1120 <b>Value Chain Approach to Management of Commercial and Industrial Waste</b> Johanna Elisa LAAKSONEN (Aalto University) Finland	83-1120 <b>A Real-Field LCA Method Using Ubiquitous Information Engineering</b> Jae-Min CHA (POSTECH) Republic of Korea	C3-1120 <b>Future Use of Wastes and Byproducts in the Cement Industry</b> Seiji HASHIMOTO (National Institute for Environmental Studies) Japan	D3-1120 <b>Design of Experiments to Evaluate the Impact of Sensor Embedded Products on EOL Processing</b> Mehmet Ali ILGIN (Dokuz Eylul University) Turkey	
11:40-12:00 A3-1140 <b>Evaluating Return on Investment in Thermal Insulation for Houses Considering Non-Energy Benefits of Health and Well-Being</b> Rika EGUCHI (Keio University) Japan	83-1140 <b>Development of LCA database based on Japanese Input-Output tables and Its Application to Environmental Management</b> Yoshinori KOBAYASHI (Toshiba Corporation) Japan	C3-1140 <b>Creating a New Industry Network Based on Gassification of Aquaculture Waste: Case Study for a Fishery Town in Hakodate</b> Atsumi FURUYA (Hokkaido University) Japan	D3-1140 <b>International Standardization of MFCA (ISO 14051)</b> Yoshikuni FURUKAWA (Nitto Denko Corporation) Japan	
Lunch				
<b>*[S-7]</b> <b>Applications of LCA to new-technology innovation (3)</b>	<b>Environmental education for life cycle thinking</b>	<b>*[S-8]</b> <b>Materials for raising environmental consciousness of consumers and promoting environmental practices of consumers</b>	<b>Risk assessment and management</b>	
13:30-13:50 A3-1330 <b>Contribution of a Technology Improvement in Greenhouse Gas Emission Reduction Considering Interactions among Corresponding Technologies Under Future Circumstances</b> I-Ching CHEN (National Cheng Kung University / The University of Tokyo) Japan	83-1330 <b>Citizen's Consciousness, Perceived Effectiveness and Practice of Environmental Behavior</b> Eri AOKI (The University of Tokyo) Japan	C3-1330 Invited <b>Environmental Impact when Biofuels are Used for Materials Road Transport: A Carbon Footprint Approach</b> Bruno DE BENEDETTI (Politecnico di Torino) Italy	D3-1330 <b>Green Chemistry: A New Paradigm for Eliminating Hazardous Waste</b> Thomas VANDENBURG (Private Attorney) United States	
13:50-14:10 A3-1350 <b>Transition of the Global Material Cycle Induced by the Introduction of Next-Generation Vehicles</b> Hiroki HATAYAMA (The University of Tokyo) Japan	83-1350 <b>Motivation of Japanese Citizens to Utilize International Carbon Crediting and Individual Offsetting: An Experimental Survey Offering an Actual Offsetting Opportunity</b> Hidenori NAKAMURA (Institute for Global Environmental Strategies) Japan	C3-1350 <b>Evaluation of the Global Warming Impact and Water Consumption of Shopping Bags (Plastic, Paper, Cotton): Case Study in Thailand</b> Jitti MUNGKALASIRI (National Metal and Materials Technology Center) Thailand	D3-1350 <b>Decision Support Tool in Design of Metal Cleaning Process Based on Life Cycle And Risk Assessments</b> Hiroki MATOBA (The University of Tokyo) Japan	
14:10-14:30 A3-1410 <b>Batteries Management for Minimization of Electric Vehicles' Environmental Impacts in a Life Cycle Assessment Framework</b> Van Thanh Thuy DANG (Renault) France	83-1410 <b>Biodiesel Production as a Framework for Sustainability and Life Cycle Thinking in an Introductory Engineering Course</b> Stephanie FARRELL (Rowan University) United States	C3-1410 <b>Criteria on Metals for Sustainable Materials Management in Type I Eco- Labelling System.</b> Ichiro DAIGO (The University of Tokyo) Japan	D3-1410 <b>Risk Trade-Offs between Brominated Flame Retardants and GHG Emissions from Life Cycle Perspective; Toward Sustainable Chemicals Assessment</b> Satoshi MANAGAKI (Yokohama National University) Japan	

	Room A	Room B	Room C	Room D
14:30-14:50	<b>A3-1430 Required Specifications of Plug-in Electric Vehicles for CO<sub>2</sub> Mitigation in Life Cycle Perspective</b> Yuki KUDOH (National Institute of Advanced Industrial Science and Technology) Japan	<b>B3-1430 Socio-Psychological Impacts of the Introduction of PV Systems</b> Hajime NODA (Yokohama National University) Japan	<b>C3-1430 In What Extent Existing Assessment Methods and Eco-Certification of Architectural Materials Can Turn the Construction Industry Green.</b> Eirini Renata DIMITROKALI (University of Central Lancashire) United Kingdom	<b>D3-1430 Human Exposure Assessment to Pesticides in Developing Countries: Pesticide Flow Analysis during Handed- And Motor-Pressurized Application</b> Camilo LESMES (University of Graz) Austria
14:50-15:10	<b>A3-1450 Inventory Analysis of CO<sub>2</sub> Emission over the Electric Vehicle</b> Mayumi ISOBE (Nissan Motor Co., LTD.) Japan	<b>B3-1450 Life-Cycle Assessment of Material Recycling Based on Market Substitutability - A Case Study of Pet Bottle Recycling -</b> Jun NAKATANI (The University of Tokyo) Japan	<b>C3-1450 Agricultural Tourism for Eco Balance</b> Pardip Singh SHEHRAWAT (CCS Haryana Agricultural University) India	<b>D3-1450 PAHs Accumulation in the Life Cycle of Corn</b> Shiyong DU (Jinan Environmental Protection Research Institute) China
15:10-16:10	<b>Closing</b>			
16:10-16:50	<b>Farewell Party (Room E)</b>			



(As of 5<sup>th</sup> September, 2010)

## The EcoBalance 2010 Tentative Poster Session Program

\* This program is listed in alphabetical order by family name of the first author.

\* The presentation number assigned to the poster presentation shall be provided in the final program.

### The EcoBalance 2010 Tentative Poster Program 11<sup>th</sup> Nov., 13:30-14:30 & 16:50-17:50

- **The Effect of Rambutan Peel (*Nephelium Lappaceum*) as Reducing Agent on in Vitro Methan Production within Creating Environment Friendly Farming**  
Siska ADITYA  
(Gadjah Mada University)  
Indonesia
- **The Life Cycle Analysis of the Commuter Railway Line**  
Naoki AIHARA  
(Railway Technical Research Institute)  
Japan
- **Biodiversity of Phyllosphere and Phyllopalne Microflora of Green Houses' Vegetables in Aseer Region, Saudi Arabia**  
Saad Abdulrahman ALAMRI  
(King Khalid University)  
Saudi Arabia
- **Toward Sustainable Building Design: Improving Thermal Performance by Applying Natural Ventilation in Malaysian Residential Buildings**  
Nedhal Ahmed AL-TAMIMI  
(University Science Malaysia)  
Malaysia
- **"Kampong Biogas"- Village Energy Independent as a Professional Firm by Poor Citizen, Case Study in Indonesia**  
Rayendra ANANDIKA  
(Gadjah Mada University / Bright Idea Corporation)  
Indonesia
- **Eco-efficiency of Rainwater Harvesting in the Design of Mediterranean Neighbourhoods**  
Sara ANGRILL  
(SosteniPrA (ICTA-IRTA-Inèdit) )  
Spain
- **Active Ageing in Urban Environments: Confronting Environmental Constraints and Facilitators Towards and Beyond 2020**  
Michael J ANNEAR  
(University of Otago)  
New Zealand
- **Compound and Clearance of Mining Water at Abandoned Colliery "Uglekamenskaya" in Partizansk City**  
Olga Dmitrievna AREFIEVA  
(Far Eastern National University)  
Russian Federation
- **A Conceptual Model for Developing Agricultural Land Sustainability Index from the Perspective of Environmental Protection in South Sulawesi, Indonesia**  
Sumbangan BAJA  
(Hasanuddin University)  
Indonesia
- **A New Characterization Model for Depletion of Abiotic Resources – The Anthropogenic Stock Extended Abiotic Depletion Potential**  
Markus BERGER  
(Technische Universität Berlin)  
Germany
- **The Art of Sustainable Gardening**  
Jules BRUCK  
(University of Delaware)  
United States
- **Comparative Life Cycle Assessment of F-gas-free Refrigeration Technology**  
Francesca CAPPELLARO  
(ENEA)  
Italy
- **Assessing Impact of Economic Development on Water Pollution in Thailand Using Dynamic Spatial Econometrics Analysis**  
Saranyupa CHAIPRASITHIKUL  
(Keio University)  
Japan
- **The Balance between Development and Conservation Take Ecotourism in Kenting National Park in Taiwan**  
Yu Tsun CHANG  
(National Cheng-Chi University)  
Taiwan, R.O.C.
- **Great Administrative Achievement or Happen by Luck - A Quantitative Review and Perspective on the Transition of Taiwan Waste Management Policy**  
Chia-Wei CHAO  
(National Taiwan University)  
Taiwan, R.O.C.
- **The Benefits of Industrial Symbiosis and Carbon Reduction at Taoyuan ESTP of Taiwan**  
Yen-Chuan CHEN  
(Industrial Technology Research Institute)  
Taiwan, R.O.C.
- **Case Study of the Energy Balance and Cost Benefit of Kitchen Waste Treatment in Taiwan**  
Wang-Kun CHEN  
(Jinwen University of Science and Technology)  
Taiwan, R.O.C.

Program

## Poster Session

- **A Research on Specific Elements Identification of the Low Carbon Product Design System**  
 Yo-Han CHOI  
 (Ajou University)  
 Republic of Korea
- **Impact on Environmental Load and Economics Structure from Change of Household Expenditure : A Case of Thailand from 1986 to 2025**  
 Thoedsak CHOMTOHSUWAN  
 (Saitama University)  
 Japan
- **Gaining Host Community Approval for Siting Renewable Energy Facilities**  
 Leighton K. CHONG  
 (Hawaii State Bar Association)  
 United States
- **The Contribution of Design Management as a Facilitator in Achieving Eco-efficiency within Small Mexican Technology-based Enterprise in New Technological Industries**  
 Beatriz Itzel CRUZ MEGCHUN  
 (Staffordshire University )  
 United Kingdom
- **Life Cycle Assessment Study on Environmental Performance of Skim Rubber Production using Novel Technology**  
 Kittipoj DATCHANEEKUL  
 (National Metal and Materials Technology Center)  
 Thailand
- **Development of a Prediction Model of Low-carbon Technology Implementation Rate Based On Home Owner's Decision-making Structure**  
 Mitsuru DEGUCHI  
 (Keio University)  
 Japan
- **Environmental Tax of Products and Services Based on Life Cycle Assessment**  
 Eskinder DEMISSE  
 (Universitat Rovira i Virgili)  
 Spain
- **Effect of Environmental Load Reduction of Food Waste Recycling System in Household Sector**  
 Yingying DOU  
 (The University of Kitakyushu )  
 Japan
- **Assessing Social Sustainability of Bio-ethanol in the South African Sugar Industry**  
 Janet Paidamoyo DUMA  
 (University of Johannesburg)  
 South Africa
- **Environmental Performance Analysis of Product Portfolio Jan DUSEK**  
 (Hosei University)  
 Japan
- **Relationship between Urban Infrastructure and Compactness for Chinese Cities**  
 Jinling FEI  
 (Nagoya University)  
 Japan
- **Sustainable Corporate Communication as a Tool to Bring Forward Sustainable Development Via Sustainable Consumption**  
 Malve Marie FREISCHEM  
 (Alanus University)  
 Germany
- **A Comparative Study on the Regime-actor Analysis of End-of-life Vehicles (ELV) Recycling between Japan and China**  
 Yang GAO  
 (The University of Kitakyushu)  
 Japan
- **Implementation of Biodiversity Management in Pharma Industry**  
 Anna Franziska GAST  
 (Alanus University)  
 Germany
- **Inspection and Remediation to Increase Service Life of Wood Poles**  
 Louis GASTONGUAY  
 (Hydro-Quebec)  
 Canada
- **An LCA Case Study on Co-firing of Semi-carbonized Fuel Made from Thinning Woods in Coal Fired Power Plant**  
 Yutaka GENCHI  
 (National Institute of Advanced Industrial Science and Technology)  
 Japan
- **A Study of Socio-economic Impacts of a Sustainable Energy Flow System in the Philippines**  
 Mary Grace Carlos GO  
 (Nagoya University)  
 Japan
- **Structural Decomposition Analysis of the Automobile Gasoline Consumption and the Sensitivity Analysis**  
 Yuriko GOTOH  
 (Kyushu University)  
 Japan



## Poster Session

- **Analysis of Energy Consumption Patterns and Scenarios for Development of Industrial Sectors – Cases of Shanghai City and Jiangsu Province**  
Keishiro HARA  
(Osaka University)  
Japan
- **Decision Support for Environmentally-conscious Consumption by Interactive Assessment Tool: A Case Study on the Selection of Shopping Bag**  
Satoshi HATANAKA  
(The University of Tokyo)  
Japan
- **Resource Concerns Associated with the Adoption of Electric Vehicles**  
Troy R HAWKINS  
(Industrial Ecology Program, Norwegian University of Science and Technology)  
Norway
- **Life Cycle Assessment of Pesticides for Paddy Rice: The Relationship Between Impacts of Production and Impacts of Application**  
Kiyotada HAYASHI  
(National Agriculture and Food Research Organization)  
Japan
- **Energy Use in Transport: Comparative Analysis of Energy Efficiency Between Life Cycles Inventories of Compressed Natural Gas with Final Use in Engine Motors Vehicles and Thermoelectricity from Gas Used in Batteries Electric Vehicles**  
Mauro pereira HILL  
(Federal University of Rio de Janeiro)  
Brazil
- **Visualization of Element Distribution by Thermodynamic Analysis on Magnesium and Aluminum Alloy Recycling**  
Takehito HIRAKI  
(Tohoku University)  
Japan
- **Questionnaire Survey on the Greenhouse Gas Emissions from Feed Production System using Food Residuals**  
Tatsuo HISHINUMA  
(National Institute of Advanced Industrial Science and Technology)  
Japan
- **Life Cycle Assessment of Organic Soybean Production in Paddy Fields under Rotational Cropping**  
Shingo HOKAZONO  
(National Agriculture and Food Research Organization)  
Japan
- **Environmental Impact Assessment of Rapeseed Cultivation in Korea using LCA**  
Seung-Gil HONG  
(NAAS, RDA)  
Republic of Korea
- **An Analysis on the Carbon Economic Effects of Using Wood Residues as Energy and Material**  
Seok-Jin HONG  
(Konkuk University)  
Republic of Korea
- **Development of Biodiversity Damage Assessment Considering Extinction Risk**  
Ken HORIGUCHI  
(Tokyo City University)  
Japan
- **Multi-Scale Integrated Analysis of Societal and Ecosystem Metabolism (MuSIASEM) Aided with GIS: An Application to Australia, China, India and Japan**  
Wanxin HOU  
(Nagoya University)  
Japan
- **Estimation of Steel Stock in Building and Civil Construction by Satellite Image**  
Feng-Chi HSU  
(The University of Tokyo)  
Japan
- **Damage Function on Human Health Caused by Road Transport Noise**  
Ryota II  
(The University of Tokyo)  
Japan
- **Life Cycle CO<sub>2</sub> Emissions by New Power Generation Technologies in Japan**  
Ei-ichi IMAMURA  
(Central Research Institute of Electric Power Industry)  
Japan
- **Comparison of Social Cost Between Brominated Flame Retardant HBCD and its Alternatives**  
Tomoya INOUE  
(Mizuho Research Institute)  
Japan
- **Life Cycle CO<sub>2</sub> Emissions for Local Passenger Transport Modes of Different Passenger Flow Volume**  
Kei ITO  
(Nagoya University)  
Japan

## Poster Session

- **Nest Substrates Selection of Synanthropic Bird Species along an Urban to Rural Gradient of Coimbatore City, India**  
Ranjini JANARDHANAN  
(Salim Ali Centre for Ornithology and Natural History)  
India
- **Life Cycle Greenhouse Gas Emissions of Primary Rubber Industries in Thailand**  
Warit JAWJIT  
(Rajamangala University of Technology Srivijaya)  
Thailand
- **Seedling Density in an Elevation Gradient in Northeastern Mexico According to Climate Change**  
Enrique JURADO  
(University of Nuevo Leon)  
Mexico
- **Substance Flow Analysis of Phosphorus Focusing on the Secondary Resources in Japan**  
Jun KAJIYAMA  
(Tohoku University)  
Japan
- **Greenhouse Gas Mitigation Potential of Bioenergy Production: A Case Study of Biogas and Biodiesel Production in Indonesia**  
Hirotsugu KAMAHARA  
(National Institute of Advanced Industrial Science and Technology)  
Japan
- **Toward Elucidation of the Comprising Factors for Sustainability and Livability in Cities by Questionnaire Analysis**  
Shun KAWAKUBO  
(Keio University)  
Japan
- **Reductions in Greenhouse Gas Emissions by Using Wood to Protect Against Soil Liquefaction**  
Chihiro KAYO  
(National Institute for Environmental Studies)  
Japan
- **Implementation of Life Cycle Assessment into Process Design as a Mechanism of PDCA Cycle**  
Yasunori KIKUCHI  
(The University of Tokyo)  
Japan
- **Life Cycle Assessment of Photovoltaics: Comparison of Sustainability Metrics for 2010**  
Hyung Chul KIM  
(Columbia University)  
United States
- **Simplified LCA of Irrigation Facilities in Korea: A Case Study of Dam and Pumping Station**  
Young Deuk KIM  
(Rural Research Institute of KRC)  
Republic of Korea
- **Correlation Analysis on CO<sub>2</sub> Emission and Cost of Energy Resources and Life Cycle Assessment**  
Heetae KIM  
(Sungkyunkwan University)  
Republic of Korea
- **The Simulation of Material Flows/Stocks for Indium, Lead, and Zinc**  
Tomohiro KOCHI  
(The University of Tokyo)  
Japan
- **Cropping Pattern and Land Conservation for Tobacco-based Farming System on Degraded Land of Progo Hulu Subwatershed, Central Java, Indonesia: "An Approach to Maintain and Increase Farmer's Income"**  
Komariah KOMARIAH  
(Sebelas Maret University)  
Indonesia
- **Public Attitude and Acceptance Level of Low Carbon Power Technology in Japan**  
Hiromi KUBOTA  
(Central Research Institute of Electric Power Industry)  
Japan
- **A Technical Study of the Improvement Option's Life Cycle Assessment Using by Network Method and It's Applying to Set-top Boxes**  
Hyun-Bae LEE  
(Ajou University)  
Republic of Korea
- **A Study on the Environmentally Sustainable Eco-design Practice for Complicate Product**  
Cheul-Kyu LEE  
(Korea Railroad Research Institute)  
Republic of Korea
- **Illustrative Examples of the Effect of New Technologies and Management Strategies on the C Footprint of New Zealand Pastoral Meat Products**  
Mark LIEFFERING  
(AgResearch N.Z.)  
New Zealand
- **A Decision-support System for Consumers to Select Energy Related Home Appliances Under User-specific Conditions**  
Ting LIU  
(The University of Tokyo)  
Japan



## Poster Session

- **Sustainability of the Hydrogen Economy: A Focus on South Africa**  
Junior Mabiza MA MABIZA  
(University of Johannesburg)  
South Africa
- **Reducing of Zinc in Ferrite Slurries – Goethite Process**  
Roman MARSALEK  
(University of Ostrava)  
Czech Republic
- **Agronomic and Environmental Viability of Compost Application in Mediterranean Horticultural Crops**  
Julia MARTÍNEZ-BLANCO  
(Institute of Environmental Science and Technology)  
Spain
- **Relevance Analysis Method for Sustainability Based on Co-occurrence Relation in Newspaper Articles**  
Keijiro MASUI  
(National Institute of Advanced Industrial Science and Technology)  
Japan
- **Study on Behavior Modification Effect of Discharge Fee System on Household Solid Waste in Okayama City**  
Yasuhiro MATSUI  
(Okayama University)  
Japan
- **Environmental Efficiency of Copper Mines**  
Naoya MATSUMOTO  
(The University of Tokyo)  
Japan
- **A New Program for Environmental Education Based on Industrial Products from a Lifecycle Point of View**  
Shinya MATSUMOTO  
(Yokohama National University)  
Japan
- **Environmental Life Cycle Assessment and Economic Ripple Effects Analysis for Events**  
Noriko MATSUNAGA  
(Tokyo City University)  
Japan
- **Eco-Labeling: Requirements for a Consistent Marketing**  
Markus MAU  
(Alanus University / German Standardization Organization (DIN))  
Germany
- **The Financial and Environmental Costs of Reusable and Single-use Plastic Anaesthetic Trays**  
Scott Jeremy MCALISTER  
(Eco Quantum)  
Australia
- **Characterisation and Modelling of Household Waste Generation Based on Questionnaire Study - Case Study of Iskandar Malaysia**  
Siti Norbaizura MD. REJAB  
(Okayama University)  
Japan
- **Changing Environmental Regulations and the Electronics Industry**  
John MESSINA  
(The National Institute of Standards and Technology)  
United States
- **Scenario Analysis on Pulp and Paper Flow for the Design of Paper Recycling System**  
Naofumi MIYATA  
(The University of Tokyo)  
Japan
- **Life Cycle Assessment on the Difference of Environmental Load by Distribution and Sales Process: Case Study of Soft Drink in Container**  
Ryoko MORIMOTO  
(Nagoya University)  
Japan
- **The Collection and Recycling Systems of Used Mobile Phone in European Countries and Japan**  
Rie MURAKAMI-SUZUKI  
(National Institute for Environmental Studies)  
Japan
- **Development of Teaching Materials for Environmental Education Based on Battery Technologies**  
Yasutaka NAKAHARA  
(Yokohama National University)  
Japan
- **Development of Estimation Model for Environmental Load of Architectural Woods**  
Yusuke NAMBU  
(Keio University)  
Japan
- **Inventory Analysis of Local Lumber on Each Stage of Forestry, Manufacturing and Distribution**  
Yusuke NAMBU  
(Keio University)  
Japan
- **Assessment of Potentiality and Social Acceptance of PSF and RWHS in South-West Coastal Region of Bangladesh**  
Sayed Mohammad NAZIM UDDIN  
(Graduate School of Environmental Studies )  
Japan

## Poster Session

- **The Potential for Sustainable Management of Biomass Resources in the South African Sugar Industry**  
 Takalani Musundwa NEMARUMANE  
 (University of Johannesburg)  
 South Africa
- **Allocation Procedure in Livestock Industry: Case Study Of Dairy Cow**  
 Yoo-Sung PARK  
 (Ajou University)  
 Republic of Korea
- **For Evaluation of Economic and Environmental Inducing Effect on the Lake New Town Project, Development of Koshigaya-City, Saitama, Japan**  
 Toshiro OGASAWARA  
 (Saitama University)  
 Japan
- **Achieving Corporate Sustainability - All the Way through the Supply Chain to End of Life**  
 Falko PARTHEY  
 (Siemens Energy Sector)  
 Germany
- **Estimate of Future Life-cycle CO<sub>2</sub> Emissions from All Commercial Buildings Based-on Socio-economic Prediction**  
 Kumi OKUMURA  
 (Keio University)  
 Japan
- **Life Cycle Inventory Analysis of Rice Husk Use in an Giang Province, Vietnam**  
 Thao Thi Mai PHAM  
 (The University of Tokyo)  
 Japan
- **Development of Inventory Database for Water Use for the Application to Water Footprint**  
 Yuya ONO  
 (Tokyo City University)  
 Japan
- **Integrated Life Cycle Assessment of Second Generation Bioenergy Systems: An Indian Case Study**  
 Joana PORTUGAL  
 (The University of Tokyo)  
 Japan
- **Soft-carbohydrate-rich Rice Straw: A Potential Raw Material for Bio-ethanol**  
 Takahiro ORIKASA  
 (Miyagi University)  
 Japan
- **Korea Rail Energy and GHG Footprint Assessment Using Input-Output Analysis**  
 Phirada PRUITICHAIWIBOON  
 (Korea Railroad Research Institute)  
 Republic of Korea
- **Current Paradigm Shifts within Sustainable Development**  
 Harald Ernst OTTO  
 (Università Politecnica delle Marche)  
 Italy
- **Life Cycle Assessment of Renewable Diesel from Palm Oil: Energy and Greenhouse Gas Aspects**  
 Chantima REWLAY-NGOEN  
 (Chulalongkorn University)  
 Thailand
- **Visual Analysis of LCI Evolution: Approach and Concept**  
 Harald Ernst OTTO  
 (Università Politecnica delle Marche)  
 Italy
- **Life Cycle Assessment of Bioethanol Produced from Rice Straw by Enzymatic Hydrolysis Process**  
 Poritosh ROY  
 (National Food Research Institute)  
 Japan
- **Visual Analysis of LCI Evolution: Framework and Example**  
 Harald Ernst OTTO  
 (Università Politecnica delle Marche)  
 Italy
- **LCA of Energy-efficient Passenger Transport in a Swiss Peri-urban Region**  
 Dominik SANER  
 (ETH Zurich)  
 Switzerland
- **Mass and Energy Balance Analysis of Sewage Sludge Treatment Processes**  
 Yuhi OZAKI  
 (Yokohama National University)  
 Japan
- **Biodiversity of Freshwater Fishes in Selected Agroecological Zones in Southern India**  
 D. SANNA DURGAPPA  
 (Indian Institute of Science)  
 India
- **The Environmental Consequences of Changing the Forage Base in Australian Pasture-based Feeding Systems**  
 Şeyda ÖZKAN  
 (The University of Melbourne)  
 Australia
- **Inventory Analysis of Boilers Operated with Emulsified Biomass Fuel**  
 Kunio SATO  
 (Mie University)  
 Japan



## Poster Session

- **LCA Approach to Analyzing Solvent Waste Issues in the Pharmaceutical Industry**  
Mariano Javier SAVELSKI  
(Rowan University)  
United States
- **Using the Smart Grid to Reduce the Impact of Vehicles on the Environment**  
Eric SIMMON  
(NIST)  
United States
- **Life Cycle Assessment Used as Supportive Evidence for the Health Technology Assessment of a Drug: Initial French Experience with a New Packaging of an Iodinated Contrast Agent, Xenetix® in Scanbag®**  
Philippe SCHIESSER  
(ECOEFF)  
France
- **Traditional Knowledge as a Fundamental Input for Natural Resource Management and Sustainable Livelihoods in Mountain Habitats: Learning from Farmers in Uttarakhand, India**  
Vir SINGH  
(GB Pant University of Agriculture & Technology Pantnagar)  
United States
- **Population Ecology of Host-parasite Persistence Thresholds**  
Ali Abdullah SHATI  
(King Khalid University)  
Saudi Arabia
- **Environmental and Economical Analysis with the Integration of LCA and MFCA**  
Tomomi SUETSUGU  
(Tokyo City University)  
Japan
- **High Valued Diversified Agriculture for Sustainable Environment**  
Pardip Singh SHEHRAWAT  
(CCS Haryana Agricultural University)  
India
- **The Improvement of Accounting Treatment of Material Flow Cost Accounting**  
Mei SUN  
(Waseda University )  
Japan
- **The Regional Analysis of Resource Productivity in China**  
Feng SHI  
(Nagoya University)  
Japan
- **Industrializing Remote Area in Sarawak: Benefits of "Eco-CDM" Halal Industrial Park**  
Irfan SUNGKAR  
(Halal Industry Development Corporation)  
Malaysia
- **A Proposal of Environmental Assets Management Method of Infrastructure Provisions: Life Cycle Assessment without Setting Lifetime and Discount Rate**  
Naoki SHIBAHARA  
(Nagoya University)  
Japan
- **Life Cycle Inventory of "C-ta" EV Concept Lightened by CFRP**  
Tetsuya SUZUKI  
(Japan Automobile Research Institute)  
Japan
- **Case Study: Eco-Design of Electronics, Mobile Receipt Printer**  
Yu-Mi SHIN  
(Ajou University)  
Republic of Korea
- **Development of Inventory Database for Environmental Analysis (IDEA)**  
Kiyotaka TAHARA  
(National Institute of Advanced Industrial Science and Technology)  
Japan
- **Socio-ecological Resilience and Adaptive Governance**  
Mari SHIOYA  
(Slovak Academy of Sciences)  
Slovakia
- **The Blue Revolution: The Oceans as Ultimate Sustainable Resource**  
Patrick Kenji TAKAHASHI  
(Hawaii Natural Energy Institute)  
United States
- **Exchanging Environmental Data throughout the Supply Chain**  
Eric SIMMON  
(The National Institute of Standards and Technology)  
United States
- **Phosphorus Recovering from Carbonized Sewage Sludge by Hydrothermal Processes**  
Masaaki TAKAHASHI  
(Yokkaichi University )  
Japan

## Poster Session

- **Estimation of Comprehensive Environmental Impacts in Metal Mine Sites - Focused on Wastewater Treatment**  
 Akihiro TAKAHASHI  
 (Waseda University)  
 Japan
- **Environmental and Economic Evaluation for Accomplishing Food Waste Recycling Loop in Japan**  
 Miki TAKATA  
 (Soka University)  
 Japan
- **Eco-efficiency Analysis of the Biodiesel from Used Cooking Oil: Data Envelopment Analysis**  
 Kanako TAKEZONO  
 (Kyushu University)  
 Japan
- **A Study on Developing a Damage Factor of Diarrhea for Global Warming in LCIA**  
 Longlong TANG  
 (Tokyo City University)  
 Japan
- **Inventory of Chemicals and Biological Substances (as Alternatives) in the Processes of Industrial and the Small Scale Tanning in Cameroon – Africa**  
 Samuel TETSOPGANG  
 (Research and Education Centre for Development)  
 Cameroon
- **Sustainable Use of Contaminated Land in Taiwan-building a Risk Assessment Foundation and Lesson Learned**  
 Hung-The TSAI  
 (Environmental Protection Administrative)  
 Taiwan, R.O.C.
- **A Study of the Household Solid Waste Generation and Characteristic in a North Central Vietnam City – Hue City**  
 N. P. THANH  
 (Okayama University)  
 Japan
- **Scenario Analysis of Sustainable Society Based on Urban-rural Partnerships in Japan**  
 Kazutoshi TSUDA  
 (Osaka University)  
 Japan
- **Estimation of GHG Reduction Effect using Amino Acid for Feeds**  
 Susumu TSUJIMOTO  
 (AJINOMOTO CO.,INC.)  
 Japan
- **A Case-study on the Optimized Approach of Wood Biomass Fuel Supply and Demand from LC-CO<sub>2</sub>**  
 Mayumi TSUNEKAWA  
 (Soai co.,Ltd.)  
 Japan
- **Water-use Related Impacts on Terrestrial Ecosystems: The Case of Milk Production in Peru**  
 Francesca VERONES  
 (ETH Zurich)  
 Switzerland
- **Characterisation Factors for Cooling Water Emissions to Freshwater Bodies**  
 Francesca VERONES  
 (ETH Zurich)  
 Switzerland
- **How Can We Construct the Marine Products LCI Data Corresponding to Catch Variability Case Study of Common Japanese Conger Caught in Sendai-bay**  
 Kazuhito WATANABE  
 (Miyagi Prefecture Fisheries Technology Institute)  
 Japan
- **Estimation of Nitrogen Flow by Material Flow Analysis in Asian Mega-cities - Case of Bangkok City**  
 Yonghai XUE  
 (The University of Kitakyushu)  
 Japan
- **Life Cycle Assessment on Introduction of Biogas Plant in Hokkaido**  
 Nobuo YABE  
 (Integrated Environmental Science)  
 Japan
- **Life Cycle Environment Impact Assessment of a Golf Tournament**  
 Hiroshi YAMAGUCHI  
 (Tokyo City University)  
 Japan
- **A System Analysis of Bio-ethanol Produced from Cassava and Sugarcane in Northern Thailand**  
 Motoko YAMANARI  
 (Tokyo University of Science)  
 Japan
- **A Quantitative Analysis of the Effects of Border Tax Adjustments for CO<sub>2</sub> Emissions Trading Schemes in Japan**  
 Masato YAMAZAKI  
 (National Institute of Advanced Industrial Science and Technology)  
 Japan



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## Poster Session

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- **Follow-up Study on Lifecycle Assessment of Bio Diesel Fuel Business Derived from Waste Cooking Oil**

Jinmei YANG  
(Okayama University)

Japan

- **Greenhouse Gas Reduction by Municipal Solid Waste Utilization including Waste Biomass**

Junya YANO  
(Kyoto University)

Japan

- **Know the Fitness of Your Building**

Francis YUEN  
(Ingersoll Rand Climate Solutions)

Singapore