

Nov.21	Room A (Fujiwara Hiroshi Hall)	Room B (Multipurpose Room 1)	Room C (Multipurpose Room 2)	Room D (Multipurpose Room 3)
10:00-10:30	Opening & Plenary (Room A -Fujiwara Hiroshi Hall-) Keynote 1 "FutureCity" Initiative Hiroto IZUMI (Cabinet Secretariat) Keynote 2 The future created by EV comes in view -EV marketplace acceptance and its future prospects as social system- Masanori UEDA (NISSAN MOTOR CO., LTD.)			
10:30-11:15				
11:15-12:00				
12:00-13:30	Lunch			
	[S1-1] Sustainability Index and Case Study	[S7-1] Sustainable Nutrient Management	[S4-1] Water Footprint	[G5-1] Design and management for the environment
13:30-13:50	A1-01 Selecting the Environmental Indicator for Decoupling Indicators Marc-Andree WOLF (Germany) Maki Consulting	B1-01 Invited Spatially Explicit Assessment of Nutrient Demands for Promoting Efficient Regional Fertilizer-Use Management in Vietnam Tien Minh TRAN (Vietnam) Soils and Fertilizers Research Institut	C1-01 ISO Water Footprint: Principles and Guidelines Sebastien HUMBERT (Switzerland) Quantis	D1-01 Symbiosis of Science and Application - LCA as Business Case Martin BAITZ (Germany) PE INTERNATIONAL AG
13:50-14:10	A1-02 Development and Implementation of Social Metrics in a Large Company Mark GOEDKOOP (the Netherlands) PRe Consultants	B1-02 Nutrient Flow on Food and Feed Production Shinichiro MISHIMA (Japan) National Institute for AgroEnvironmental Sciences	C1-02 Invited Review of Methods Addressing Freshwater Use in Life Cycle Inventory and Impact Assessment Anna KOUNINA (Switzerland) Quantis /École Polytechnique Fédérale de Lausanne	D1-02 A CAD System for Product Life Cycle Design Yuki MATSUYAMA (Japan) Osaka University
14:10-14:30	A1-03 Comparison and Integration of Human Dimension's Indicators for Welfare and Happiness Pin-Chih WANG (Taiwan/R.O.C) National Taipei University	B1-03 Invited Phosphorous Recovery Technologies for Municipal and Industrial Wastewater: Taiwan's Perspective Gwo-Dong ROAM (China) Environmental Protection Administration	C1-03 Nexus between Water Withdrawal and Land Use in Water Footprint Masaharu MOTOSHITA (Japan) National Institute of Advanced Industrial Science and Technology	D1-03 Sustainability Communication in the Life Cycle: Gates and Gaps Benjamin Craig MCLELLAN (Japan) Kyoto University
14:30-14:50	A1-04 Social Impact Index for ICT Services - Case Study in Emerging Countries- Julien BOISSEAU (Japan) France Telecom - Orange	B1-04 Novel Technology for Phosphorus Recycling Using Amorphous Calcium Silicate Hydrates Kenji OKANO (Japan) Osaka University	C1-04 Regionalized Cumulative Water Intensity. A Practical Approach to Corporate Water Accounting Bettina JOA (Germany) Pforzheim University	D1-04 Comparison of the CO2 Emission of Electric Vehicle and Fuel Cell Vehicle Using the Biomass Gasification System Considering the Change of the Traffic Flow Aya ISHIGAKI (Japan) Tokyo University of Science
14:50-15:10	Break			
	[S1-2] Sustainability Index and Case Study	[S7-2] Sustainable Nutrient Management	[S4-2] Water Footprint	[G8-1] New challenges in management of supply chain
15:10-15:30	A1-05 Life Cycle Management of Timber Sawmill Wastes in Minna, Nigeria Ibrahim Olayinka JIMOH (Nigeria) Federal University of Technology	B1-05 Invited Chemical and Biochemical Transformation of Phosphate Compounds to Produce and Recycle Biological Energy Akio KURODA (Japan) Hiroshima University	C1-05 Invited Comprehensive Database for Use in LCA-Based Water Footprinting : Results and Case Studies Sebastien HUMBERT (Switzerland) Quantis	D1-05 Carbon Footprint and Life Cycle Assessment of Organisations Matthias FINKBEINER (Germany) Technical University Berlin
15:30-15:50	A1-06 Mineral and Energy Futures: Implications for Technology and Policy in Producing and Consuming Countries Damien GIURCO (Australia) University of Technology	B1-06 Phosphorus Flow Analysis Based on Integrated Phosphorus Cycle Input Output Model Kazuyo MATSUBAE (Japan) Tohoku University	C1-06 Expansion of Comprehensive Inventory Database (IDEA) to Water Footprint Kiyotaka TAHARA (Japan) National Institute of Advanced Industrial Science and Technology	D1-06 Sustainable Pathways to Biofuel Development in the U.S. Sangwon SUH (U.S.A) University of California
15:50-16:10	A1-07 Subcategory Assessment Method for Social LCA: Application for Workers in Cocoa Soap Natura Paola Karina SANCHEZ RAMIREZ (Italy) G. D'Annunzio University	B1-07 Encouraging Innovation for Sustainable Phosphorus Management: Technology, Management, and Public Policy Masaru YARIME (Japan) The University of Tokyo	C1-07 Methodological Lessons Learned from Industrial Water Footprint Case Studies Markus BERGER (Germany) Technische Universitaet Berlin	D1-07 Sustainability Return on Investment: A Scenario-Based Multicriteria Assessment Tool for Policy-Making Lise LAURIN (U.S.A) EarthShift, LLC
16:10-16:30	A1-08 Systematic Approach for the Comparison of Sustainability Assessment Methods in the Aviation Sector Robert ILG (Germany) University of Stuttgart		C1-08 Water Uses in the Life Cycle of Automobiles Hyung Chul KIM (U.S.A) Ford Motor Company	D1-08 Design of Robust and Flexible Plastic Recycling System against Variation Risk Haruna ISHIKAWA (Japan) The University of Tokyo
16:30-16:50	Break			
	[G5-2] Design and management for the environment	[G6] International cooperation and LCA database	[S4-3] Water Footprint	[G8-2] New challenges in management of supply chain
16:50-17:10	A1-09 The Impacts of Technology Innovation on WEEE Management: A Case study of Display Products Bin LU (China) Research Center for Eco-Environmental Sciences, Chinese Academy of Sciences	B1-09 The UNEP/SETAC Life Cycle Initiative: Life Cycle Thinking evolution 2002-2012 and Phase 3 Sonia VALDIVIA (France) United Nations Environment Programme	C1-09 Development of a Program for Environmental Education Based on Water Use from a Life Cycle Perspective Shinya MATSUMOTO (Japan) Yokohama Natooal University	D1-09 Rare Materials Used by Green Energy Industries - A Case Study of Taiwan Lu-Yen CHEN (Taiwan R.O.C) National United University
17:10-17:30	A1-10 Tracking the Impact of Environmental Regulations on Development and Diffusion of Innovations: Evidence from Waste Management Technologies in Japan Helmut YABAR (Japan) University of Tsukuba	B1-10 Lessons Learned from Decades of LCAs: Value of a Life Cycle Approach in Evaluating the Environmental Impacts of Packaging for Food/Beverage Applications - A UNEP/SETAC Project Bruce VIGON (U.S.A) Society for Environmental Toxicology and	C1-10 Water Footprint Assessment on Major Agricultural and Livestock Products Minjung SON (Korea) SMaRT ECO Co., Ltd.	D1-10 Study on Secondary Damages Caused by the Great East Japan Earthquake by Analyzing Industrial Supply Chains in Japan Yutaka GENCHI (Japan) National Institute of Advanced Industrial Science and Technology
17:30-17:50	A1-11 Practical Framework for Chemical Risk Management in Product Manufacturing: Application to Process Design in Industrial Cleaning Emi KIKUCHI (Japan) The University of Tokyo	B1-11 Using Life Cycle Assessment for Implementing Multilateral Environmental Agreements Guido W. SONNEMANN (France) University of Bordeaux	C1-11 Water Footprint of Bioethanol Production Supply Chain in Thailand Shinatiphkorn PONGPINYOPAP (Thailand) Kasetsart University	
17:50-18:10	A1-12 Rainwater Harvesting for Environmental Load Reduction Toshihiro KASAI (Japan) Fukui University of Technology	B1-12 Consistent Calculation of Multiple System Models and Improved Integration of Regionalized Data in a Background Inventory Database Gregor WERNET (Switzerland) Ecoinvent Centre	C1-12 Discussion	