



Second International Round Table on Materials Criticality IRTC

EcoBalance Tokyo, October 9, 2018 - Room 115 at 11F

October 8

14:00-17:00: Meeting for Consortium Partners and Project Advisors, **room 112 at 11F**

Evening: Consortium Dinner (on invitation)

October 9

9:00-12:30: Presentations

9:00-9:05	Welcome	Keisuke Nansai, NIES
9:05-9:30	Introduction to Circular Economy as seen by the International Resource Panel	Ester an der Voet, Leiden University
9:30-9:45	Circular Economy and Sustainable Development Goals	Guido Sonnemann, University of Bordeaux
9:45-10:00	Critical assessments and stable procurement of mineral resources in the field of policy applications in Japan	Kotaro Shimizu, Chief Analyst, Environment and Energy Department, Mitsubishi UFJ Research and Consulting Co., Ltd.
10:00-10:15	Sustainability and natural resource conflicts	David Sussman, New York University
10:15-10:30	NEDO's role in Japan's critical raw materials strategy	Hiroki Hatayama, AIST (National Institute of Advanced Industrial Science and Technology)
10:30-11:00	<i>Coffee Break</i>	
11:00-11:15	JOGMEC's approach for critical metals and efforts for stable supply	Yoshihiro Kojima, Director, Metals Strategy Department, JOGMEC
11:15-11:30	Brief History of Japanese Criticality Assessment	Shinsuke Murakami, University of Tokyo, Chair of the policy review committee on resource criticality under the Ministry of Industry
11:30-11:45	Korea's Circular Economy Framework	Kyoung-Mook Lim, KIRAM (Korea Institute for Rare Metals)
11:45-12:00	Circular economy and standardization in Korea	Min-Ha Lee, KITECH (Korea Institute for Industrial Technology)
12:00-12:15	Chinese perspective on critical and strategic materials and the circular economy	Weiqliang Chen, Chinese Academy of Sciences
12:15-13:30	<i>Lunch Break</i>	



13:30-13:35	Welcome	Keisuke Nansai, NIES
13:35-13:45	Introduction to IRTC and summary of the last Round Table in Vancouver	Alessandra Hool, ESM Foundation
13:45-14:00	How methodology determines what is critical - Progress in IRTC publications	Dieuwertje Schrijvers, University of Bordeaux
14:00-14:15	Discussion	
14:15-14:30	IRTC Research Grant Winner: Raw Materials Indices	Björn Koch and Sebastian Tiemann, University of Oldenburg
14:30-14:45	IRTC Research Grant Winner: Recycling potentials of Cobalt in De Hague	Joana Kotnis, TU Delft / University of Leiden (online)
14:45-15:00	<i>Coffee Break</i>	
15:00-16:00	<p>Round Table discussion on “Criticality and Circular Economy”</p> <p>Basic question: Can the concept of criticality support the circular economy? If yes, how?</p> <ul style="list-style-type: none"> ▪ Which part(s) of the previous outcomes are relevant to the circular economy? ▪ Can circularity help to reduce the dissipative use of CRMs? ▪ Can criticality be used as an indicator to prioritize elements or agenda goals? ▪ How do we deal with trade-offs regarding reducing ecological impacts and saving resources? ▪ What is the relation between criticality, circular economy and the Sustainable Development Goals? ▪ Which types of indicators are relevant for the evaluation of a transition towards a circular economy? ▪ Can the circular economy reduce the risks of supply or demand shocks? (Examples?) ▪ Does the transition towards a circular economy pose the risk of supply or demand shocks? (Examples?) ▪ How can one select good demand scenarios? ▪ Are circularity and criticality similar with regards to the definition of scope (e.g. national, global, industrial perspectives)? ▪ How do urban stocks and urban mining relate to circularity and criticality? 	<p>Weiqiang Chen, Chinese Academy of Science</p> <p>Jo Dewulf, University of Gent, Belgium</p> <p>Roderick Eggert, Colorado School of Mines / Critical Materials Institute, USA</p> <p>Atsufumi Hirohata, University of York</p> <p>Hiroki Hatayama, AIST</p> <p>James Goddin, Granta Design</p> <p>René Kleijn, Leiden University, Netherlands</p> <p>Min-Ha Lee, KITECH, Korea</p> <p>Kyoung-Mook Lim, KIRAM, Korea</p> <p>Keisuke Nansai, NIES, Japan</p> <p>Guido Sonnemann, University of Bordeaux, France</p> <p>David Sussman, New York University</p> <p>Tanya Tsui, Technical University of Delft</p> <p>Steven B. Young, University of Waterloo, Canada</p>
16:00-16:45	Further discussion incl. questions and contribution from the audience and online participants	All
From 17:00	<i>Further discussion and Apéritif at the Eco-Balance Welcome Reception</i>	