

Partner Events of EcoBalance 2022

Critical minerals for carbon-neutrality and circular economy

Critical minerals, such as rare earths, cobalt, lithium, nickel, copper, and aluminium, are used for advanced applications, which related to renewable energy and generally face supply risks and vulnerability of the supply chain because of minor and biased occurrence in the world. Therefore, maintaining a circular flow of the critical minerals is expected to achieve a circular economy and sometimes national security. This event, as a support event of EcoBalance 2022, provides the latest related research, standardization and rulemaking situation about a criticality assessment, traceability system for carbon footprint, and established value networks.

Date/ Time

November 3, 2022
13:30-16:30 (JST:UMT+9)

Language : English

Venue

Fukuoka International Congress Center,
Fukuoka, Japan

(2-1, Sekijo-machi, Hakata-ku, Fukuoka City 812-0032, JAPAN)

This event is held online and onsite. Participation of general registrants can select onsite or via Zoom webinar. (the link for participation will be sent later in advance to the event)

Opening Remark

13:30- 13:35

Kotaro Shimizu

Vice president, Rare Earth Industry Association (REIA) / Director, Circular Economy Association / Chief analyst, Mitsubishi UFJ R&C (MURC)



Roderick G. Eggert



Guido Sonnemann

Keynote Lecture

13:35- 14:00

Roderick G. Eggert

Professor and Interim Division Director, Economics and Business Viola Vestal Coulter Foundation / Chair in Mineral Economics at Colorado School of Mines / Deputy Director, Critical Materials Institute

“Critical materials, the circular economy and carbon neutrality: framing the discussion”



Alessandra Hool



Shinsuke Murakami

Special Lecture

14:00- 15:00

Alessandra Hool (14:00- 14:20)

International Round Table on Materials Criticality (IRTC)

“Criticality evaluation for Minerals in Expanded scope” (tentative)

Shinsuke Murakami (14:20- 14:40)

Chair, Committee of Comprehensive resource use system, the Mining and Materials Processing Institute of Japan (MMIJ) / Professor, Dept. of Tech. Mgnt. for Innovation, Grad. Sch. of Eng., the University of Tokyo

“Criticality assessment of mineral resources for the Japanese economy”

Badrinath Veluri (14:40- 15:00)

President, Rare Earth Industry Association (REIA), Grundfos

“A Circular System for Assessing Rare Earth Sustainability” (tentative)



Badrinath Veluri



Kotaro Shimizu

Coffee Break and Networking

15:00- 15:25

Discussion- Expected circular business ecosystem from the critical minerals' aspect

15:25- 16:25

Moderator: Guido Sonnemann (University of Bordeaux)

Panelists: Roderick Eggert, Alessandra Hool, Shinsuke Murakami, Badrinath Veluri, Kotaro Shimizu

Contact

Circular Economy Association

Staff: Shun Sakoda

Tel: +81-3-6733-3469

E-mail: s.sakoda@murc.jp

Closing Remark

16:25- 16:30

Shinsuke Murakami