EU-US-Japan
Trilateral Conference on Critical Materials

29 November 2016
The 6th Trilateral EU-US-Japan Conference on Critical Materials
Strategies for Sustainable Supply of Critical Raw Materials
November 29th, 2016

Venue
BREYDEL – Auditorium, 45 Avenue d'Auderghem, Brussels, Belgium
"On invitation only"

8:30 – 9:00 Registration

9:00 – 09:05 Welcome by, DG GROW, European Commission – Mattia PELLEGRINI, Head of Unit, Resource Efficiency and Raw Materials

Opening Remarks

09:05 – 09:10 US – Dr. Mark JOHNSON, Director, DOE Advanced Manufacturing Office
09:10 – 09:15 Japan – Mr. Fumikazu SATO, Deputy Director-General, Manufacturing Industries Bureau, METI

Session 1 Criticality and Risks Analysis
Eurogeosurveys Luca Demicheli

09:40 – 10:00 Japan: Dr. Mitsutaka MATSUMOTO, National Institute of Advanced Industrial Science and Technology (AIST) – "Criticality assessment and R&D for circulation of critical materials"
10:00 – 10:20 EU: Pr. Gian Andrea BLENGINI, Joint Research Centre, Sustainable Resources Directorate – "Changing policy needs for criticality assessment in the EU and the contribution of the Raw Materials Scoreboard"
10:20 – 10:30 Q&A and Summary

10:30 – 10:50 Coffee Break
### Session 2: Novel Materials by Design

**AMES Laboratory**


**11:10 – 11:30** EU: **Pr. Fotis KATSAROS**, Inn Demokritos – "Development of novel, high Performance hybrid TWV/GPF Automotive after treatment systems by rational design: substitution of PGMs and Rare earth materials"


**11:50 – 12:15** Q&A and Summary

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**12:15 – 14:00:** Lunch (Poster Session)

### Session 3: Circular Economy

**National Institute of Advanced Industrial Science and Technology (AIST)**

**14:00 – 14:20** EU: **Mr. Pascal LEROY**, WEEEForum, “Prospecting secondary raw materials in the urban mine and mining wastes”

**14:20 – 14:40** US: **Dr. Ikenna NLEBEDIM**, Ames Laboratory/Critical Materials Institute – "Recovering the Embodied Energy in Waste Permanent Magnets through Recycling"

**14:40 – 15:00** Japan: **Prof. Takashi NAKAMURA**, Tohoku University – "Novel Recycling Processing for e-scrap Containing Critical Metals"

**15:00 – 15:10** Q&A and Summary

**15:10 – 15:30** Coffee Break

### Session 4: Capacity Building

**EIT RawMaterials GmbH**

**15:30 – 15:50** US: **Mr. Colin Nexhip**, Rio Tinto – "New approaches to recovering critical minerals and recycling e-waste in the copper smelting process: Limiting waste, increasing efficiency and creating value"

**15:50 – 16:10** Japan: **Prof. Shinji HIRAI**, Muroran Institute of Technology – "Research Center for Environmentally Friendly Materials Engineering and Studies for Progressive Use of Rare Earths"
16:10 – 16:30 EU: Dr. Stéphane BOURG, CEA Marcoule – "Initiatives for improving the sustainable supply of critical materials"

16:30 – 16:40 Q&A and Summary

Closing

16:40 – 16:45 EU: Mrs Maria Cristina RUSSO, Director International Cooperation DG-RTD
16:45 – 17:00 US: Dr. Mark JOHNSON, Director, DOE Advanced Manufacturing Office
17:00 – 17:05 Japan: Mr. Fumikazu SATO, Deputy Director-General, Manufacturing Industries Bureau, METI

17:15 – 19:00 Poster Session + Networking Cocktail