



# "How industry manages criticality" 3<sup>rd</sup> IRTC Round Table

March 14, 2019

## **About the project**

IRTC is an international "Round Table" project on approaches towards assessing materials criticality, taking place in the form of workshops at international conferences. The results are consecutively published in the form of joint scientific papers and a Roadmap on Criticality for authorities. The project shall advance the research in criticality assessment, foster international exchange and education in the topic, identify common ground and differences, and raise awareness towards materials criticality, especially in industry. It shall also lay the cornerstone for a long-lasting international network of internationally leading experts. Awareness towards materials criticality, and its crucial role for a circular economy, shall be raised by creating visibility at established conference with a diverse audience and high impact in research and industry.

#### IRTC Round Table at the TMS Annual Conference 2019

Two Round Table events have taken place in 2018: the first one in Vancouver, Canada, at the *Resources for Future Generations* Conference, on "How methodology determines what is critical", and a second one in Tokyo at the EcoBalance conference on "Criticality and circular economy".

The third Round Table will take place on March 14, 2019, at the TMS Annual Conference and Exhibition 2019 in San Antiono, Texas, on the topic of "How industry manages criticality". The event aims at making the link to representatives from industry and integrate their views in the work of the Consortium. Invited talks in the morning will set the scene on the role of criticality for different industrial sectors. At the Round Table discussion in the afternoon – with Consortium partners and selected industrial stakeholders – these aspects will be carved out in more detail, in order to set the cornerstone on a scientific publication on the topic that will be published in series with the Consortium's previous publications.

The event will be part of the REWAS (Recycling & Sustainability) symposium. It is supported by the European Federation of Materials Societies FEMS.

#### More information and contact

www.irtc.info

Alessandra Hool ESM Foundation, Zürich/Bern, Switzerland +41 76 511 9655 alessandra.hool@esmfoundation.org





### **Project partners**

Prof. Gian Andrea Blengini, Joint Research Center, European Commission

Dr. Wei-Qiang Chen, Chinese Academy of Sciences

Prof. Jo Dewulf, University of Gent, Belgium

Prof. Roderick Eggert, Colorado School of Mines and the Critical Materials Institute, USA

Prof. Tom Graedel, Yale University, USA

Dr. Christian Hagelüken, ESM Foundation, Switzerland, and Umicore, Germany

Prof. Atsufumi Hirohata, University of York, GB

Dr. Komal Habib, University of Waterloo, Canada

Dr. Alan J. Hurd, Los Alamos National Laboratory, USA

Dr. Gang Liu, University of Southern Denmark

Dr. René Kleijn, University of Leiden, Netherlands

Dr. Maïté Le Gleuher, The French Geological Survey BRGM, France

Dr. Min-Ha Lee, Korea Institute of Industrial Technology (KITECH)

Dr. Gavin Mudd, Royal Melbourne Institute of Technology, Australia

Dr. Keisuke Nansai, National Institute for Environmental Studies, Tsukuba, Japan

Dr. Nedal Nassar, US Geological Survey

Dr. Philip Nuss, Umweltbundesamt, Germany

Prof. David Peck, Delft Technical University, Netherlands

Prof. Armin Reller, ESM Foundation, Switzerland, and University of Augsburg, Germany

Prof. Guido Sonnemann, University of Bordeaux, France

Dr. Luis Tercero, Fraunhofer ISI, Germany

Dr. Ester van der Voet, University of Leiden, Netherlands

Dr. Patrick Wäger, ESM Foundation and Empa, Switzerland

Prof. Steven B. Young, University of Waterloo, Canada

