

## Invitation

# EMerald Circular Economy Workshop

### 18.7. - 21.7.2022

### Mission

The Faculty of Business Administration at the TU Bergakademie Freiberg in conjunction with the Helmholtz Institute Freiberg for Resource Technology invites you to the EMerald Circular Economy Workshop. The goal of this workshop is to introduce modern business principles to geoenvironmental academics and practitioners. Furthermore, we want to foster the industry-oriented collaboration in the areas of geoenvironmental, resource technology and management.

### Host



Michael Höck is chair of the Institute for Industrial Management at the Technical University Bergakademie Freiberg and academic head of the EMeraldinho Georesources Summer Business



Jens Gutzmer is the founding director of the Helmholtz Institute Freiberg for Resource Technology. He is a visiting professor at the Paleoproterozoic Mineralization Research Group (PPM) in the Department of Geology, University of

### Speakers



Gari Walkowitz is Professor for Business Ethics at the Technical University Bergakademie Freiberg. He previously worked in the junior research group "Ethics of Digitalization" at THI Ingolstadt and at the "Institute for Ethics in Artificial Intelligence" at TU Munich, and held the position of a substitute professor of management at Humboldt University Berlin.



Jutta Stumpf-Wollersheim is chair of the Institute of International Management and Corporate Strategy at the Technical University Bergakademie Freiberg. She is a member of the Saxonian Regulatory Control Council reducing bureaucracy. Furthermore, she is one of the founders of the interdisciplinary Behavioral Research Lab, which is currently implemented at the Technical University Bergakademie Freiberg.



Jonathan Engelhardt is assistant for technology transfer at the Helmholtz Institute Freiberg for Resource Technology. He received his PhD in Geochemistry at the University of Potsdam and is one of the coordinators of the rEComine alliance working at the interface of environmental technology, resource technology and digitalization on the topic of mining waste. In addition, he is currently developing a proof-of-concept for the BHP-Tailings-Challenge.

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Simon Glöser-Chahoud is Professor for Corporate Sustainability and Environmental Management at the Technical University Bergakademie Freiberg. Currently he is also executive director of the French-German Institute for Environmental Research (DFIU) within the Karlsruhe Institute of Technology (KIT), and holds the position as head of the "Sustainable Value Chains" research group. Prior he worked as a project manager and research associate at Fraunhofer ISI for more than six years



Max Frenzel holds a PhD in Geoengineering and studied geological sciences at the University of Cambridge. He is the group leader Geometallurgy and Economic Geology at Helmholtz Institute Freiberg for Resource Technology. His research focuses on different aspects of the mineralogy, geochemistry, and texture of base-metal ores and how these affect mineral processing operations. He also works on the modelling of metal supply chains to better understand potential future availability issues.



Marcus Wiens is chair of the Institute for Innovation and Risk Management at the Technical University Bergakademie Freiberg. Prior he held the position as head of the Risk Management research group at the Institute for Industrial Operations and Industrial Production within the Karlsruhe Institute of Technology (KIT) and is a research fellow at Pamplin College of Business at the Virginia Polytechnic Institute and State University.



Alejandro Abadias Llamas is a senior researcher at the Helmholtz Institute Freiberg for Resource Technology and a Marie Skłodowska-Curie fellow. He studied Renewable Energies and Energy Efficiency at the University of Zaragoza and received his PhD in Engineering at the Technical University Bergakademie Freiberg. His research focuses on the simulation of metallurgical processes within the Modelling and Valuation Department of Helmholtz Institute Freiberg for Re-

The speakers will provide an overview of current research projects and elaborate together with the participants of the workshop potential fields of future collaborations.

## Venue



The EMerald Circular Economy Workshop takes place at the auditorium building, Prüferstraße 4 in 09596 Freiberg, Germany in the lecture hall SPQ 1.301.

Please use the following Google Maps link as a route planner:

<https://goo.gl/maps/wqfE84oZq7EBHiBv5>

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### Schedule

Time	18.07.2022	19.07.2022	20.07.2022	21.07.2022
9.00 - 12.30	<b>Welcome &amp; Introduction</b>  M. Höck & J. Gutzmer	<b>Strategic Management meets Exploration &amp; Processing</b>  J. Stumpf-Wollersheim & J. Engelhardt	<b>Technology Management meets Process metallurgy</b>  S. Glöser-Chahoud & M. Frenzel	<b>Risk Management meets Analytics &amp; Evaluation</b>  M. Wiens & A. Abadias Llamas
	<b>Business Ethics meets the Allocation of Resources</b>  G. Walkowitz			
Break				
14.00 - 17.00	<b>Excursion Helmholtz-Institut Freiberg for Resource-technology</b>			<b>Wrap-up &amp; Feedback</b>

### Registration

The EMerald Circular Economy Workshop is designed for all researchers and practitioners interested in resources. The participation is free of charge. Please use the following doodle-link to register:

<https://doodle.com/meeting/participate/id/ejRqR44e>

### Supported by



EIT RawMaterials, initiated and funded by the EIT (European Institute of Innovation and Technology), a body of the European Union, is the largest and strongest consortium in the raw materials sector worldwide. Its vision is the European Union where raw materials are a strategic strength. Its mission is to boost competitiveness, growth and attractiveness of the European raw materials sector via radical innovation and guided entrepreneurship. EIT RawMaterials unites more than 120 partners – academic and research institutions as well as businesses – from more than 20 EU countries.