

## Korean-German Climate & Environment Conference 2022

### Circular Economy in Korea and in Germany: Recycling and Reuse of EV Batteries

Batteries are critical to a clean energy transition worldwide. As global battery demand both for traction batteries in electric vehicles and for industrial batteries is soaring around the world, a safe, circular and sustainable battery value chain is becoming ever more important. Raw materials are limited and their extraction and refinement is associated with environmental cost. Therefore, mitigating the environmental and economic impact of battery production requires controlling the conditions of mineral extraction, minimizing energy use and chemical waste, and maximizing reuse and recycling. Likewise, high social standards need to be respected along the value chain.

The recycling and the reuse of large traction and industrial batteries will be instrumental in securing the sustainability and competitiveness of battery value chains at global scale. In this context, we will discuss the policies and strategies of Korea, Germany and the EU, learn from each other through practical application cases and plans of companies and institutions, and exchange ideas for further cooperation.

#### Event Details

Date: Wednesday, July 20, 2022  
Time: 15:30 – 18:00 KST // 08:30 – 11:00 CEST, followed by a **Networking Dinner**  
Venue: Off-Line (Studio I+II+III, Conrad Hotel Seoul) and On-Line (via Zoom)  
Language: English and Korean with simultaneous translation  
Admission: Free of charge  
Organizer: Korean-German Chamber of Commerce and Industry  
& Embassy of the Federal Republic of Germany Seoul

#### Agenda

15:30 – 15:35 KST      08:30 – 08:35 CEST

##### Opening

Moderator: Prof. Youngkyoo Kim, Kyungpook National University

15:35 – 15:40 KST      08:35 – 08:40 CEST

##### Welcome Messages

- H.E. Michael Reiffenstuel, German Ambassador
- Mr. Holger Gerrmann, Chairperson of KGCCI

15:40 – 15:50 KST      08:40 – 08:50 CEST

##### Congratulatory Remarks

Mr. Jae Jeong Ma, Director of Resource Circulation Bureau  
Resource Recycling Division, Ministry of Environment, Republic of Korea

15:50 – 16:00 KST      08:50 – 09:00 CEST

online

**Keynote Speech:** Circular Approaches for EV Batteries

Dr. (Ms.) Anika Neitz-Regett, Head of Resources and Climate Protection  
Forschungsstelle für Energiewirtschaft (FFE), scientific research institute in Munich/Germany

**Session 1: regulatory framework, opportunities and challenges of bilateral cooperation**

16:00 – 16:30 KST      09:00 – 09:30 CEST

**Korean, German and European perspectives**

- Mr. On-Gyun Na, General Manager, Dept. of Environmental Assurance of Recycling, Potential Resources Management Division, Korea Environment Corporation (K-eco)
- Dr. Tim Schulze, Policy Officer online  
Unit IVA6 „New drive technologies, electric mobility, environmental innovation “  
German Federal Ministry for Economic Affairs and Climate Action
- Q&A

**Session 2: implementation, project examples and cooperation ideas**

16:30 – 16:50 KST      09:30 – 09:50 CEST

online

**Introduction and potential of German-Korean cooperation**

- Ms. Flérida Regueira-Cortizo, Senior Manager Environmental Technologies  
Germany Trade & Invest (GTAI)
- ReLioS – a Korean German network for Reuse and Recycling of Li-Ion battery systems  
Mr. Carl-Ernst Forchert, Managing Director  
Ms. Angela Blume, Project Management  
i-vector Innovationsmanagement GmbH

16:50 – 17:20 KST      09:50 – 10:20 CEST

**Project examples and cooperation ideas of Korean companies**

- EV battery repair & remanufacture business for battery circular economy  
Ms. Hyung Kyung Kim, Senior Researcher  
CORN Co. Ltd.
- EV battery recycling in Korea  
Mr. Yum Kwanghyun, Director  
SungEel HiTech Co., Ltd.
- Q&A

17:20 – 17:50 KST      10:20 – 10:50 CEST

online

**Project examples and cooperation ideas of German companies**

- Re-Use of Batteries for 2nd-Life Energy Storage Systems  
Mr. Kevin Krauß, Projectmanager E-Storage  
ERLOS Produktion und Montagen GmbH
- Mr. Federico Diaz Betancourt, Head of Sustainability Business Unit Battery Cell  
Volkswagen Group
- Safe Handling of Lithium-Ion Batteries: Testing and Solutions  
Mr. Florian Kabitzke, Development Engineer Battery Safety Products  
Stöbich technology GmbH
- Q&A

17:50 – 18:00 KST      10:50 – 11:00 CEST

**Wrap-up and Closing**

Moderator: Prof. Youngkyoo Kim, Kyungpook National University

18:00 – 19:30 KST      11:00 – 12:30 CEST

**Networking Dinner**