



HEV TCP Task 40 CRM4EV: Final webinar April 29th, 2022

13.00 – 17.00 Brussels time, hosted by AVERE

13h00 Introduction workshop (10 minutes)

13h10 Task 40: Introduction, objectives and developments 2017 – 2022 (Bert Witkamp, Organizing Agent Task 40)

13h20 EV, battery and material developments (20' + 5' Q&A)

13h20 – 13h45 Philippe Vangeel (AVERE): EV deployment and outlook 2035 Europe

13h45 – 14h10 Martin Beermann (Joanneum Research): Austrian vehicle fleet scenarios to reach climate neutrality and material demand for the batteries and LCA impacts of different battery chemistries.

14h10 – 14h35 Xiao Lin (Botree): Battery chemistries in China and recycling activities of Li-ion batteries.

14h35 – 15h00 Bert Witkamp: EV, Battery deployments and key mineral requirements (including PGM) 2030.

BREAK till 15h10

15h10 – 15h35 Professor Hong Li (Chinese Academy of Sciences): Growth of LiFePO₄ in future.

15h35 – 16h00 Linda Gaines (Argonne National Laboratory, Recell): recycle(ability) of potentially critical battery minerals with special attention on lithium.

16h00 EV e-motors and Rare Earth minerals

16h00 – 16h10 Bert Witkamp: Conclusions from demand scenarios PM and RE for e-motors.

16h10 – 16h30 Fernando Nuno (Copper Alliance, ReFreeDrive EU project): Efficiency & LCA impacts of RE-free versus PM e-motors.

16h30 Wrap-up of Task 40 CRM4EV

Final conclusions & recommendations for policymakers