



RawMaterials
Connecting matters



2nd Seminar – Delft, the 6th December 2022

Welcome

Jan-Henk Welink - TU Delft



Co-funded by the
European Union



PROGRAM

14:00 – 16:30 Session on “Magnets matters” - Current collaborative projects on permanent magnets and recycling

14:00 – 14:30 – SUSMAGPRO project – B. Saje (Kolektor)

14:30 – 14:50 – UPGRADE project – C. Rado (CEA)

14:50 – 15:10 - DysCoverly - Sustainable REE, Co supply from magnet recycling: closing the loop – JH Welink (TU Delft) for B. Orberger (Catura Geoprojects)

15:10 – 15:30 – Break

15:30 – 16:15 – Questions/Answers on magnets recycling and current EU initiatives

16:15 – 16:30 – Conclusion of the seminar



Sustainable REE, Co supply from magnet recycling: closing the loop

2022-2024

Project Number 21028



Consortium: Greece, Germany, Slovenia, Italy, France

DysCovery's Vision:

Increasing the EU permanent magnet recycling capacity by 30%

DysCovery's Mission:

Setting up the first permanent magnet recycling plant at MONOLITHOS (Greece) in South-eastern Europe.

BUSINESS MODEL and strategy

Extraction of Nd, Dy, Sm, Co & Fe from End-of-Life (EoL) permanent magnets, sludges, swarf in particular for EU permanent magnet producers serving the automotive industries

MONOLITHOS (GREECE), specialized in waste recycling, will start the new recycling plant in 2025.



Hydrogen-free metal leaching patented by MEAB, Germany


Extraction chromatography metal separation by KTH, Sweden

Molten salt electrowinning by TU Freiberg, Germany

Q & A

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