RMεHDD
(Raw Materials in Hard Disk Drive)

A. Main topics
- Identification of Rare Earth Elements (REE) in a Hard Disk Drive (HDD)

B. Targeted audience
- 14–18 years old students

C. Key concepts
- Preparation of the A4 format Educational Cards (EdCa) with the key information and figures about a chosen metal and its role in one everyday object, description of that object and a role the chosen metal plays in it, connected recycle and recovery processes;
- Importance of raw materials (focus on metals) and circular economy principles;
- Project based learning format which allows development of the research skills, scientific writing and data presentation;

D. Experimental activity
- The trainer gives the lecture how to make an educational card (3h);
- Groups of max.4 students work together on preparation of EdCa on a metal and an object of their choice (16);
- Teams present their EdCa, questions and discussion follow (peers review) under the supervision of the trainer.

E. Toolkit material
- Lecture on neodymium in HDD;
- Multimedia materials with demonstration how a HDD works and how to recover neodymium from a HDD;
- Examples of Educational Cards prepared by high school students.

F. RM Tutors
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