BAM
Bundesanstalt für Materialforschung und -prüfung

Sicherheit in Technik und Chemie

A PROJECTS PERSPECTIVE:
Where do we place our data and how?

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Critical Raw Materials Datamanagement Workshop

BAM, Berlin 26th November 2018

www.bam.de

Grant Agreement №730105

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“Data is the fabric of the modern world: just like we walk down pavements, so we trace routes through data, and build knowledge and products out of it.”

-Ben Goldacre-
British physician, academic and science writer

In the following 10 minutes…

— What **questions** do we have and why?

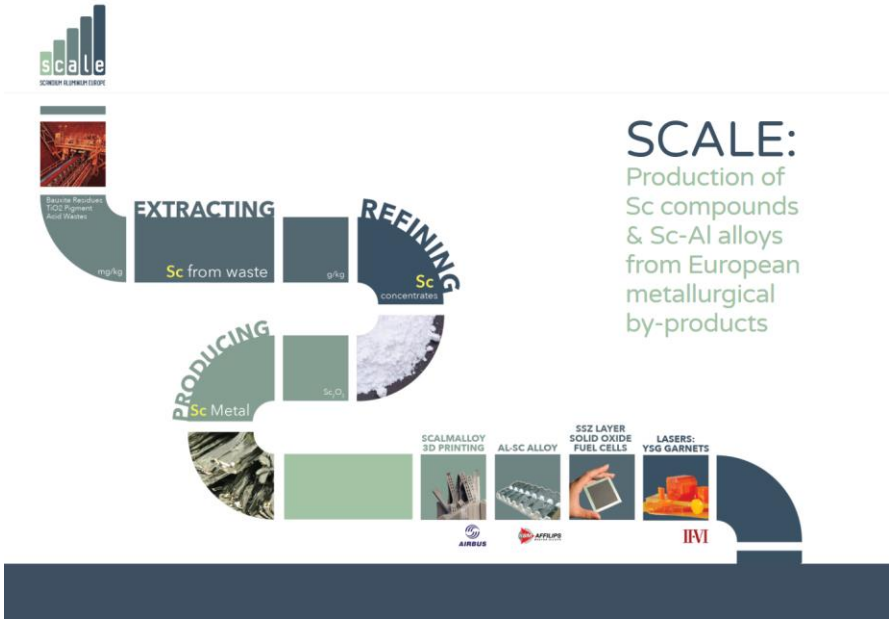
— How did we tackle those **questions**?

— !! New **questions** …!!

— SCALE`s approach

The SCALE Project

– SCALE is an EU Horizon2020 funded project (GA#730105)



Background information

2008 European Commision

- Raw materials initiative
  - "strategy for tackling the issue of access to raw materials in the EU"

The European Innovation Partnership (EIP) on Raw Materials

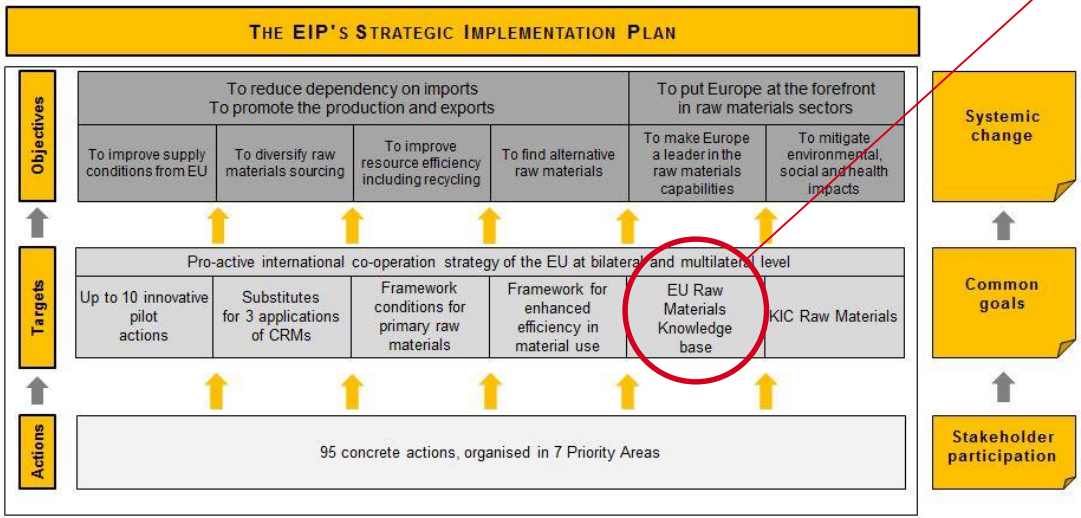
- brings together EU countries, companies, researchers, and NGOs to promote innovation in the raw materials sector

(https://ec.europa.eu/growth/sectors/raw-materials/policy-strategy_en)

Background information

2013 EIP

- Strategic implementation plan (SIP)
  - "action plan of the EIP"



(https://ec.europa.eu/growth/sectors/raw-materials/policy-strategy_en)

EU Raw Materials Knowledge Base (EURMKB)

- collect, store, maintain, upgrade, analyse, and disseminate information on the raw materials
- Serve industry and policy makers

Data collection

- different sources: EUROSTAT, the Joint Research Centre, agencies (such as geological surveys) in EU countries, other national and international organisations, **European projects** and programmes, and industry

How SCALE has to contribute

- SCALE is an EU Horizon2020 funded project (GA#730105)
- BAM: European inventory of Sc containing by-products
- therefore has to provide data

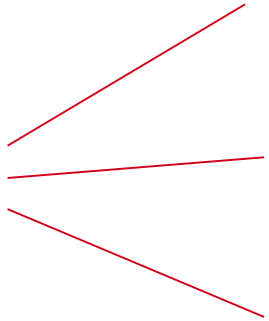
"[…] generated **inventory will be available** through the project web site along with all other publishable data of the project. Especially for the **inventory the data will be shared with the EURMKB web portal** which is **being created by the EuroGeoSurveys** collecting data from EC projects like ProSUM, Minerals4EU, EURARE, MINVNETORY and others. SCALE's database will be harvested by this Web Portal."

"[…] results will be **recorded in a CRM byproducts database**, which will also contain the geographical location of each by-product, its estimated quantity, annual production rates and ownership of the by-product **[…]"**

What questions do we have?

- What data is useful for such a European Database/Knowledge Platform?
- Are we generating such data? Which data does it take?
- How do we place the data into a European Database.
- **What are the actual pathways?**

European projects



Urban Mine Platform

EU CRMKDP

IKMS / EU MKDP

ProSUM

Urban Mine Platform

SCRREEN

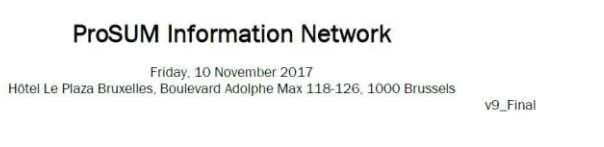
SCRREEN

eu Rare sustainable exploitation

MINERALS4EU

How did we tackle those questions?

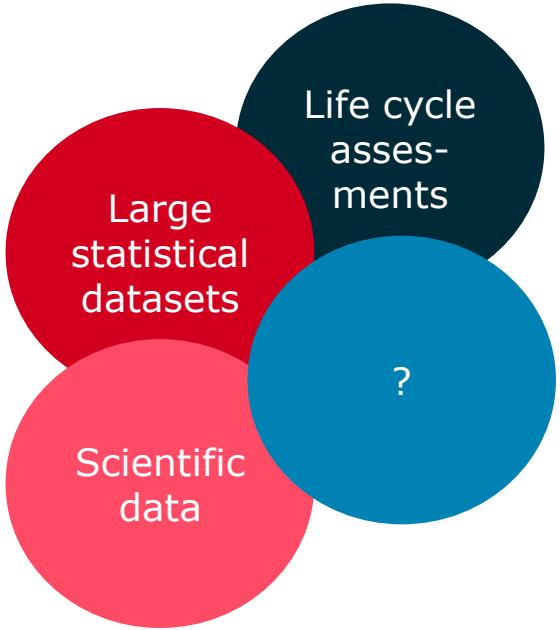
- Gathering information
- Visiting events
- Networking



!! New questions !!

- What data is actually neccessary?
- What kind of data are we talking about?
- **What are the pathways?**
- **Who is maintaining project based databases such as ProSUM, IKMS, CRMKDP?**

- **Most of these things do not seem clear yet(?)**



SCALE‘s Approach

- WORKSHOP

- Using existing structures within our consortium
- **MOKKA/ENFO database**

- **Building of structured datasets for website and possible database!**

Can we bring some light into the darkness today?