



# WORKSHOP

## CRM Data Management

Berlin, 26.11.2018



Time	Topic	Speaker	Affiliation
12:00-12:30	Registration and Coffee		
12:30-12:30	<b>Session I: Welcome and Introduction</b>		
12:30-12:45	Welcome and Introduction to BAM/ Organizational information	Christian Adam	BAM
12:45-13:00	A projects perspective - How and where do we place our data?	Marie Hoffmann	BAM
13:00-13:15	Example: Phosphogypsum Waste - what data do we have?	Prof. Andrzej Jaroński	Mineral & Energy Econ. Research Institute - Polish Acad. of Sciences
13:15-13:30	Q & A: exchange of experiences		
13:30-13:45	<b>European developments in data management</b>		
13:30-13:45	The contribution of ProSUM and ORAMA to the European knowledge base on CRM stocks and flows	Perrine Chanceler	Fraunhofer IZM
13:45-14:00	RDSYS: The raw materials information system by the German Mineral Resources Agency	Anne Schuhmacher	DERA
14:00-14:15	Introducing MOKKA/ENFO Database	Eva Ujaczki	Budapest University of Technology and Economics
14:15-14:30	Introducing MOKKA/ENFO Database	Henrike Franke	BCR
14:30-14:45	HTMET-A Database for high-tech metal potentials in Germany base metal deposits	Dominic Wittmer	IR/EC
14:45-15:00	The EU Raw Materials Information System (RMIS)	Anja Wittenberg & Andreas Alexander Maul	BCR
14:45-15:00	Coffee Break/ Snacks		
14:45-15:00	The EU Raw Materials Information System (RMIS) joint action to GeoERA - European Geological Surveys joint action to Improve Data Management		
14:45-15:00	Q & A: exchange of experiences		
14:45-15:00	<b>bridging the gaps</b>		
14:45-15:00		everyone	
14:45-15:00		<b>Moderation: Christian Adam</b>	<b>BAM</b>



26.11.2018

CRM Data Management Workshop

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# **BUNDESANSTALT FÜR MATERIAL- FORSCHUNG UND -PRÜFUNG**

Federal Institute for Materials Research and Testing

Christian Adam  
Marie Hoffmann

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# Sites & branches



Fabeckstraße  
branch



Adlershof branch



Lichterfelde headquarters



Technical Safety Test Site,  
Horstwalde



# Safety in technology and chemistry



BAM is a senior scientific and technical federal authority with responsibility to the Federal Ministry for Economic Affairs and Energy (BMWi)



Federal Ministry  
for Economic Affairs  
and Energy



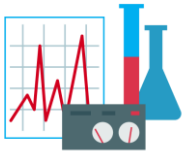
## Research, testing and consultation under one roof



Statutory duties for technical safety



Consulting the German Federal Government and Industry



Research and development



Contribution to standards and statutory regulations



Testing, analysis, approval



Technology transfer

# Facts & figures



## Organisation

**11** departments divided into

**70** divisions and sections

## People

**1660** staff including trainees, Ph.D. students, post-docs

**1060** of which are permanent staff

## Budget

**€133.4 m** basic financing

**€13.2 m** third-party funds

**€10.6 m** income from testing, analysis, approval; of which

Status: May 2017

# Focus areas at a glance



**FOCUS AREA**  
**ENERGY**



**FOCUS AREA**  
**INFRASTRUCTURE**



**FOCUS AREA**  
**ENVIRONMENT**

...  
**Recycling**  
**Resource Recovery**



**FOCUS AREA**  
**MATERIALS**



**FOCUS AREA**  
**ANALYTICAL SCIENCES**

## BAM Technical Centres

Thermochemical Treatment  
Wet-Mechanical processing



Building Materials  
Technology of Construction Materials





# CRM Data Management Workshop

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## WORKSHOP

- exchange of knowledge, experiences and ideas
- develop new ideas and solutions
- networking
- discussion
- ...please think about your „key questions“ and place them in the final discussion...



# EURMKB

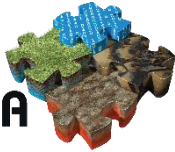


## National projects

National GEO Surveys



### GeoERA

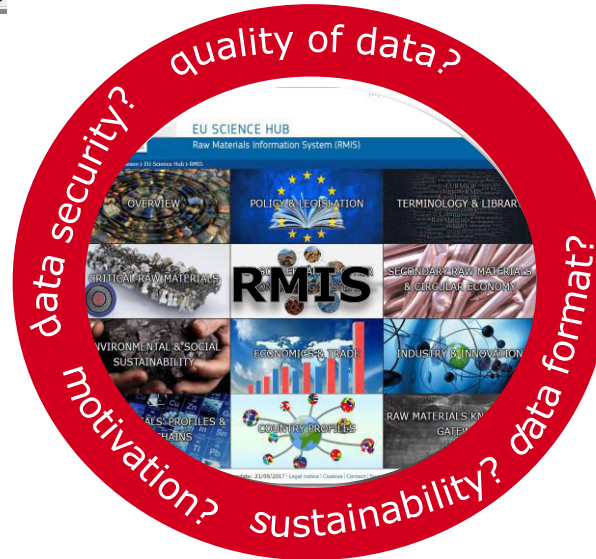


### GeoERA

RAW MATERIALS



### EGS MREG Mineral Resources Expert Group



# CRM Data Management Workshop

## KEY QUESTIONS TO BE DISCUSSED

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- Why do we see the need of an European system?  
How does it work today?
- Who are the end-users of the CRM data platforms?
- Which level of detail is needed (by and to whom)?
- Who will maintain and update large databases and platforms?  
**Local national services – (new) European Institution**
- What is the role of the RMIS, how will it develop, which function will it have in this context?
- What is a good dataset format to be used and operated by different institutions.  
Is harmonization, accuracy and dynamic improvement possible?  
How sensitive are those datasets. What kind of IT-infrastructure is necessary?



# CRM Data Management Workshop

## KEY QUESTIONS TO BE DISCUSSED

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- What's your idea to ensure sustainability of a data platform, coherence of data and its quality (who will check it),
- Where there are no regulations for providing those data, how to ensure that up-dated data will be collected and implemented when there is no project (finance) and where do you see the incentives/motivation for data owners when JRC will be the dominate/only visible brand (RMIS).
- What are the next important steps to improve the system?

