



REMIX
Interreg Europe



European Union
European Regional
Development Fund

Geokompetenzzentrum Freiberg

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Geokompetenzzentrum Freiberg

Our commitment to the region is to implement regional strategies and programmes, and to further develop those strategies by integration of member participation from our triple helix network (industry-research-administration). This includes three policies effecting mining.

Our expertise is having experience and expertise by direct implementation of ERDF 2014-2020 projects in Saxony as well as in cross border cooperation with Poland and the Czech Republic.

SÄCHSISCHES
OBERBERGAMT



Freistaat
SACHSEN

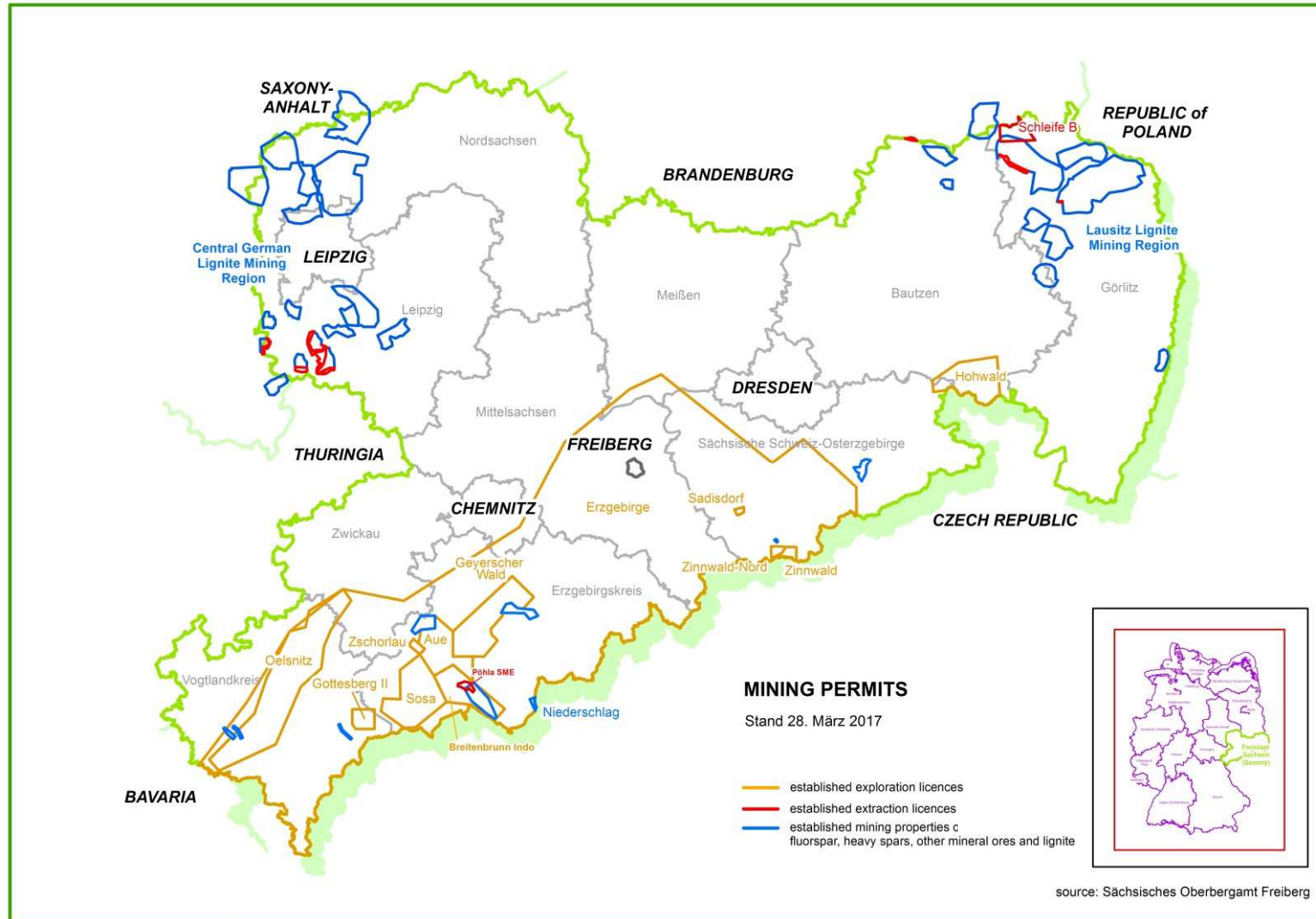


GKZ
Freiberg

What will be our main contribution in the project?

- Act in the role of an Advisory Partner fulfilling the responsibilities set by the programme:
 - Offer particular competence that can facilitate the project's implementation with the exchange of experience processes
 - Offer contributions and good practices to the partners also drawn from internal GKZ members and a regional stakeholder group consisting of partners from industry in mining, and mining related services, research and administration
- Multiply the exploitation of the results of the project by support of the GKZ stakeholder group at regional, national and trans EU level
- Sharing the learning processes of REMIX with regional actors involved in the performance of the Saxon policy papers.

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Current status of mining in Saxony

- About 210 quarry and pit industry companies are currently providing the construction sector with necessary resources.
- In 2016 the output of the mining activities amounted to about 36,8 million tons industrial rocks and minerals and 42,6 million tons lignite.
- In 2016 resources expended in the field of abandoned mining aggregated to about 15,2 million €. In the scope of remediation of mines, the financial expenses spent amounted to approximately 117 million € in 2016.
- The interested public in Saxony has the possibility to get in contact with mining in one of the more than 60 visitor mines and accessible subterranean cavities.

Current status of mining in Saxony

Realisation of the Raw Material Strategy of Saxony:

- *INTERREG-MineLife*: This project aims at improving the knowledge of proceedings and competences and explaining technologies and techniques of above- and sub-surface mining. (Saxony – Poland)
- *ArchaeoMontan*: The project tends to explore medieval mining in the Saxon-Bohemian Ore Mountain Region. (Saxony – Czech Republic)
- *ROHSA 3*: The project intends to save, to exploit, to digitize and to make available raw material information and data (key project).

<https://www.rohsa.sachsen.de/>

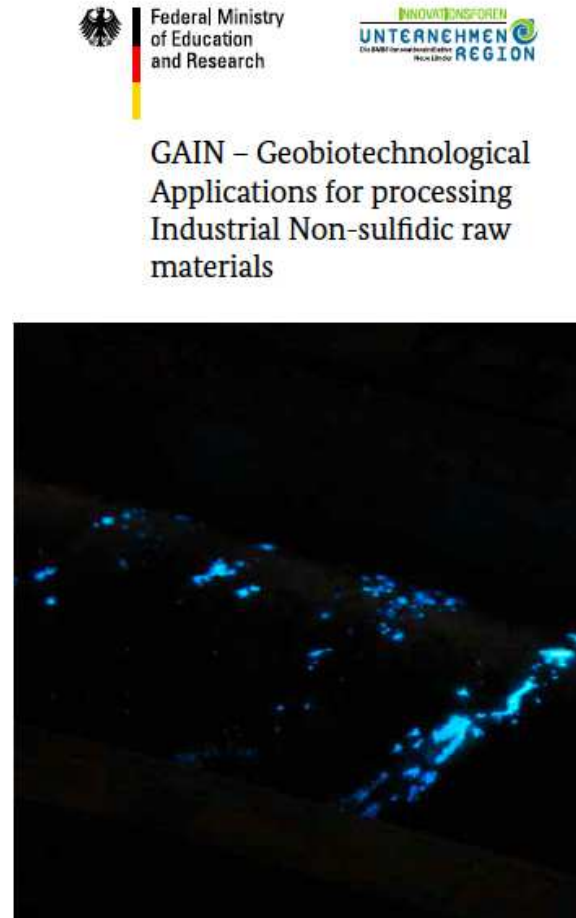
Model activities for consolidating consciousness on raw materials

- Saxon Resource Day 2017 – flag ship event GKZ with Minister presence
- Conference GeoTop 2016 – Kultur. Wert. Stein.
- May 2016: Geopark ‘Porphyreland. Steinreich in Sachsen‘

Project related positioning of GKZ in the implementation process of the Saxon policies



Saxon Raw Materials Strategy
Valorisation of domestic resources
<http://fame-project.eu>



Saxon Innovation Strategy
Research and Innovation
<http://gain.geobiotechnologie.de>



ERDF
Cross-border networking
<http://rohsab.eu>

What do we want to achieve by participating in REMIX?

The policy instruments we want to compare in terms of best practise and learning are the Saxon Raw Material Strategy, the Saxon Innovation Strategy (RIS3) and the programme policies of SN-PL / SN-CZ ERDF

Through REMIX work we want to

- Improve the development and implementation process
- Recognise European developments in policy making and impact on Saxon policy making
- Network by a multidisciplinary approach to support the service industries in mining
- Achieve synergies in projects of European networking of mining regions
- Stimulate Saxon stakeholders, esp. political decision makers and administration, to think “global”

What is our communication objective?

To use REMIX project in order to stimulate GKZ activities at member level, broaden the impact of GKZ in the region, attract Saxon stakeholders beyond the network to engage in policy making and taking use of its results, and to intensify relationships with European Partners.

To practise an effective and time efficient communication.

Leaving the project not just with communication.



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Glück Auf!

Questions welcome



Project smedia

Saxon Innovation Strategy

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EMIX
reg Europe

Innovationsstrategie
des Freistaates Sachsen

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Europa fördert Sachsen.
EFRE
Europäischer Fonds für
regionale Entwicklung

Focal points of the Saxon innovation strategy and „smart specialisation made in Saxony“

Creating innovation-friendly framework conditions


- Level playing field in competition
- De-bureaucratisation of innovation-relevant systems of rules and processes
- Fostering curiosity, thirst for knowledge, readiness to assume risks, fault tolerance, up to a positive attitude towards entrepreneurship and openness for new products
- Incentives / obligations for the cooperation of science with the regional business
- Protection of knowledge and of innovation

Focusing research – fostering excellence

- Basic and applied research, in particular on future fields and Key Enabling Technologies
- Output orientation of research and development
- Strengthening excellent research undertaken in universities and research organisations through participation in national and international tenders
- Consequent use of federal and EU programmes (Structural Funds, for Research and Technological Development) in order to strengthen Saxon research and technology

Securing human resource development

- Strengthening human competence and improving the occupational conditions in SMEs
- Securing a high-level infantile and school education
- Recruiting highly qualified persons (identifying and holding “masterminds”)
- Expansion of capacities for and activities of further training at the universities
- Development of a family-friendly infrastructure and family-related services
- Strengthening the continuation education (new structures, special courses of study)




Reshaping general business development into innovation development

- Continuation and targeted expansion of the technologically neutral R&D&I state aid
- Support of the transfer process science – economy
- Support of market introduction
- Strengthening venture capital environment

Strengthening corporate innovation processes

- Establishing an innovation culture
- Implementation of innovation management into the strategic tasks
- Cross-sector, cross-technology and cross-state orientation of the innovation activities (cross innovation)
- Development of future fields
- Interconnection between products and services (hybridisation)

Developing Key Enabling Technologies (KETs) as enablers of the macroeconomic development

- Attaining and supporting unique selling propositions, in particular in the following fields::
 - Microelectronics and nanoelectronics
 - Organic electronics
 - Nanotechnology
 - Advanced materials
 - Advanced manufacturing systems
- 

Saxon's Resource Policy

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EMIX
eg Europe

Rohstoffstrategie für Sachsen

Rohstoffwirtschaft –
eine Chance für den Freistaat Sachsen

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Background: Saxony



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Mining tradition - centuries old: Ore, coal, spar

Large and very visible impact on region

Comprehensive, detailed data base on deposits

- Identification of economically viable CRM deposits
- New licences issued



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**Importance for industry, employment, standard of life
well understood by population**

→ high level of acceptance

**All stages of life cycle – extraction, processing,
production, application, recycling – present and well
developed in Saxony**

Motivation

Long-term assurance of resource availability for domestic industry

Optimization of domestic primary and secondary resource utilization

Utilization of Saxony's international expertise for commercialization

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Policy Focal Points



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1. **Domestic raw materials – sustainability**
2. **Secondary resources**
3. **Networking and capacity clustering as drivers for innovation**
4. **International co-operation**
5. **Research – and its transfer to industry**
6. **Training of experts and skilled personnel**
7. **Administration as service provider to industry**
8. **Awareness and acceptance**



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Technology transfer