

InnoEnergie.Lab

Subproject within the initiative "Inclusion, Sustainability, and Digitalization as Key Factors for Improving Academic Success at TU Bergakademie Freiberg"

CHALLENGE

The TU Bergakademie Freiberg is facing the growing problem that young people across Germany are losing interest in pursuing degrees in engineering or the natural sciences. At the same time, the demands of the job market are rising in the context of digital transformation and exponentially advancing technological progress, leading to a growing need for highly qualified, resilient, and adaptable academic professionals. Inclusion and sustainability are closely linked, as both concepts aim to create a more fair and livable world.

OUR PROJECT

The goal is to develop and implement an innovative, interactive teaching and learning concept on the topic of sustainability that conveys renewable energy in a practical, accessible, and future-oriented way, addressing the interplay between energy efficiency, economic viability, and environmental responsibility. At the heart of the project are the natural forces that drive our energy future: sunlight, wind, water, geothermal heat, and biological processes. Students are encouraged not only to learn about these forces theoretically but also to actively experience, measure, analyze, and critically evaluate them in the InnoEnergie.Lab. This strengthens their motivation to actively help shape the energy and raw materials transition.

PARTNERS

- Vice-Rectorate for Teaching, Studies and Lifelong Learning (TUBAF)
- Professorship of (monetary) macroeconomics (TUBAF)
- TUBAFdigital
- Institute of Organic Chemistry (TUBAF)

FUNDING

European Social Fund Plus (ESF Plus); Freistaat Sachsen (SAB)

DURATION

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Kofinanziert von der
Europäischen Union



Freistaat
SACHSEN

Diese Maßnahme wird mitfinanziert durch
Steuermittel auf der Grundlage des vom
Sächsischen Landtag beschlossenen Haushaltes.

