

IMMERSE: Immersive Virtual Tours on Critical Minerals for Clean Energy Transitions

Shima Hajinia Leilabadi, Bernd G. Lottermoser

Motivation

- Ensuring Sustainable Supply of Critical Raw Minerals (CRMs) to achieve the EU Green Deal
- Address the Shortage of Trained Mining Experts in Europe and Increasing Knowledge about Production and Utilization of CRMs

Priority: Supporting the European Green Deal through Innovative Learning and Teaching Practices

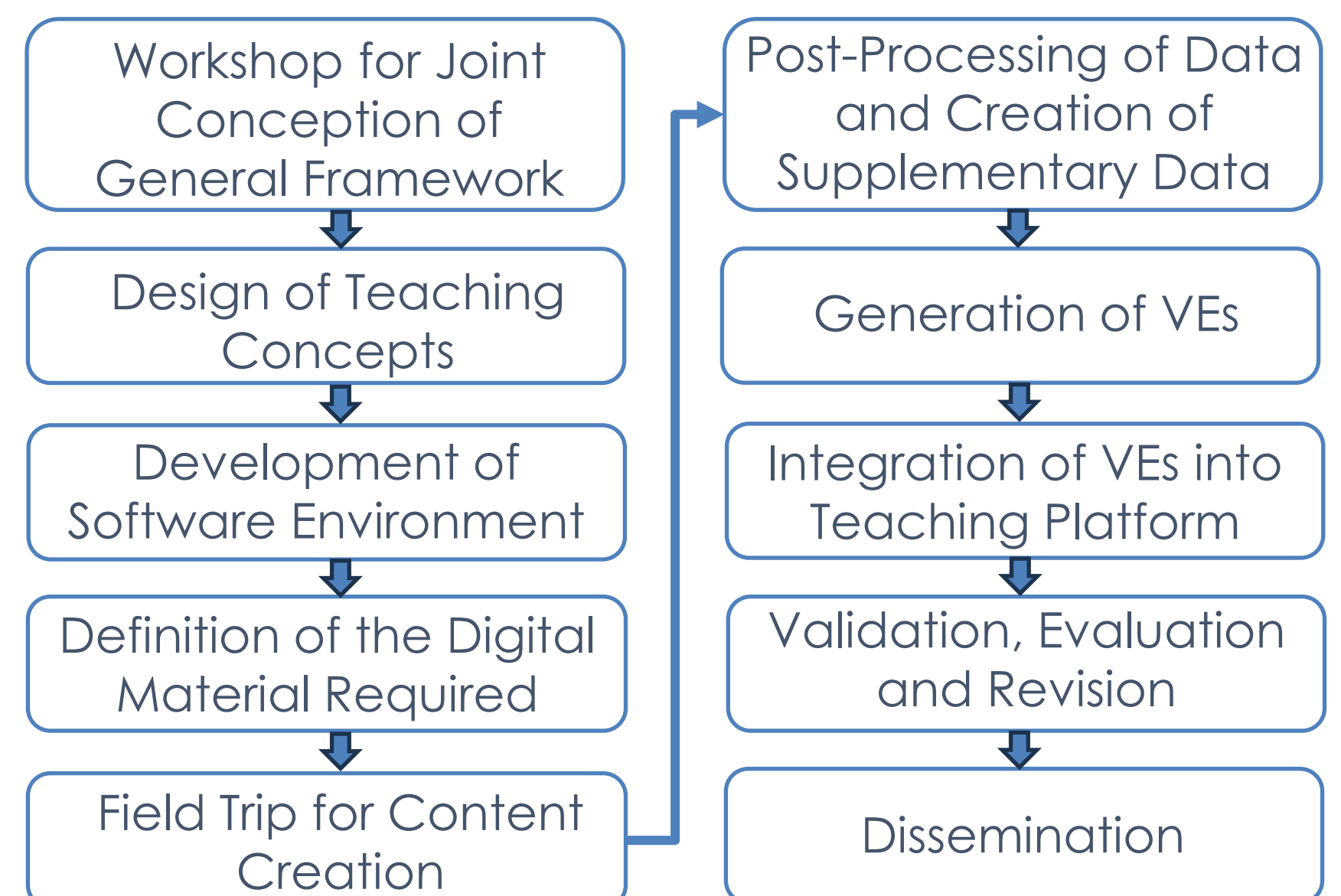
Objectives

- Creation of Virtual Excursions (VE) for Improved Teaching in CRMs Sector
- Integration of VEs in Existing Curriculum at each Partner University
- Enhance Accessibility to Teaching Material
- Promote VEs as Open Educational Resources
- Promote Cross-Border Cooperation and Networking in Extractive Sector

Project Partners



Approach



Target Group



Undergraduate and Postgraduate Geoscience and Mining Students



Public

Project Outcomes

- VEs focusing on Life of Mine Cycle of CRMs
- Manual for the Creation of VEs as an Open Access
- Catalog of Teaching Concepts
- Report on Software Concepts
- IMMERSE Website
- Supplementary Metadata



3D Model of Gánt Bauxite Mine - Hungary

© Shima Hajinia Leilabadi

