



Federal Ministry
of Education
and Research



Forschungszentrum Karlsruhe
in der Helmholtz-Gemeinschaft



Projekträger
Forschungszentrum
Karlsruhe (PTKA)



Vina Comin

Mining and Environment in Vietnam

Developing Environmental Concepts for the Coal Mining Areas in Quang Ninh Province (RAME)

Objectives:

- Improvement of the environmental conditions in Quang Ninh province by developing suitable technology and planning measures
- Implementation of pilot plants for developing environmental technologies in the fields of waste rock dumps, mine waters and dust
- Development of environmental planning methods for the prevention of conflicts in regions with a high landuse intensity
- Integration into a central environmental management including environmental monitoring and environmental information system
- Training of environmental staff, building up environmental awareness in the mining companies

Research:

- Environmental management system, environmental information system, environmental monitoring in the coal mining industry
- Stabilization and recultivation of waste rock dumps: seepage water balance, exfiltration of pollutants and dump fires
- Water management for mining regions, adaption of process components for the treatment of complex waste waters from coal mining
- Dust mitigation and monitoring
- Biological methods based on plants for a sustainable recultivation of waste rock dumps and the treatment of mine waters
- Development of tools for prognosis and assessment in order to reach an integrated environmental planning in the mining industry



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