MINPACT

Environmental Impact Assessment of Mining and Industrial Activities

Belgian Federal Science Policy SR/00/37

Université de Liège
Facultés Sc. Agronomiques de Gembloux
KeyObs S.A.
The Meuse Valley

- Complex overlay of industrial activities:
  - The cradle of coal mining and steel making in Europe.
  - First industrial zinc metallurgy complex in the world.
  - Chemicals (phosphoric acid, fertilizers,...).
Meuse valley – historical sites

- Sites are colonised by invasive vegetation
- Pollution resistant species
Meuse Valley – active sites

• The major present day environmental impacts are related to steelmaking, phosphoric acid, phosphogypsum and lime industries.

• Different types of impacts are expected to be perceptible from vegetation indices, dust on leaves, etc.
Destriping Images

Spectral signature after correction

Band 22 (2.0310 µm)
Noise in the dataset

Spectral signature after correction