



**Earth Observation for Monitoring and Observing  
Environmental and Societal Impacts of Mineral Resources  
Exploration and Exploitation  
EO-Miners**

work plan for 2011 onwards  
task distribution, deadlines

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- Field work
  - in Witbank (RSA) in February 2011
  - in Karzaman (KS) in June 2011
  - in Sokolov (CZ) in July 2011
  
- Remote sensing data acquisition
  - WorldView-II stereo pair (PAN + 8 band MS) take for RSA and KS. Data application and DEM generation by DLR
  - TIR campaign in Sokolov 17. – 22. July 2011
  - possible HyMap campaign in Sokolov June – September 2011 (or 2012)



- Anglo Coal / Anglo Technical Division
  - data archive access & possible interests meeting DLR with A. Rompel (head of ATD) on 18.02.2011
  - compilation of preliminary results to be presented by Henk / Danel at appropriate forum, due in end April / early May
    - Conflicts with RSA+UK holiday season, enough site data available?
  
- Sokolovska uhelna
  - presentation of preliminary results lead by Eyal / Katerina in end April
  - get permission for field work & instrument installation for campaigns
    - TIR: - emissivity & reflectance measurements  
- climate station, temperature sensor network  
- nets
    - HS: - reflectance measurements  
- soil samples (budget?)  
- nets
  
- CAIAG / KA
  - minimization & channeling of email traffic to Ernis, Christian to establish first contact between project member and Ernis

- close cooperation with Wuppertal Institute (WP1) about possible coupling of EO data analysis and Material Flow Analysis (MFA)
  - aspects could be greatly supported by a workshop with different parties EU-stakeholder (DG, JRC, EEA and others), under discussion WI/GeoZS/DLR
- there is a need to define data sets and relevant meta-information that have to be generated for WP4 (plus WP3 internal)
- workshop/discussion on indicator set for demonstration sites held between WP1, WP2, WP3, WP4 + local surveys
  - agreement on process 17.02.2011



- improve quality and level of detail in mineral mapping by integrate lab measurements (spectra, XRD, chemistry, etc.)
  - send Sokolov soil samples to CzechGS for chemical analysis
- integrated VNIR-SWIR-TIR analysis of AHS data

