

ISM - Country report Germany

International Society for Mine Surveying - Presidium-Meeting Freiberg, Germany September 2011

1. Situation in German mining:

Hard Coal production in a range of 14,5 Mill metric tons (2010) in 5 underground mines and 24.000 employees.

Lignite coal production about 176 Mill metric tons (2010) (worldwide rank #1) and 22.600 employees.

Potash production 5,6 Mill metric tons and **Salt** production 18.6 Mill metric tons (world rank #3).

Industrial minerals such as industrial clays, gypsum, anhydrite, Bentonite, Baryte, Feldspar, Kaoline, Fluorite in a significant order.

Oil and gas activities (gas covers about 12-15% of the domestic demand) more or less stable with an option on CBM and Shale Gas (but environmental concerns!).

New activities in **copper** mining in East Germany and exploration activities regarding **rare metals** dominantly in East Germany.

New activities in **renewable resources** (such as geothermal energy) as end of nuclear power is the political will in Germany after Fukushima.

Total of 1,2 Mill employees in the mineral resources sector in Germany (total population 82 Mill).

2. National Association: The German Mine Surveyor Association “DMV Deutscher Markscheider-Verein e.V.). About 475 members (Stable due increasing young members at universities).

Trend: Young mine surveyors are not necessarily joining mining companies, but are more focused on consulting companies dealing with the whole range of mineral resources management.

Last DMV-Congress and Members Assembly September 2011 in Freiberg/Germany.

3. Academic education: Academic Programs provided at Universities of Aachen, Clausthal and Freiberg. Following the Bologna Process towards the European Higher Education all universities have reorganized their academic programs. Aachen University and Clausthal University award the bachelor and master degrees, at current the academic degree at the University of Freiberg is still the Diploma. Enrollments between 50 and 100 per academic year at each university (mineral resources management).