



Regional Ground Water Level Monitoring, Germany

Description

ribeka is responsible for monitoring the ground water levels within an area of over 4.000 km² in the western German province of North Rhine-Westphalia. Within this densely populated area that comprises many large cities (e.g. Cologne and Bonn) as well as Europe's biggest brown coal open mining site, extensive ground water extraction is being carried out by the mining company RWE Power and a number of drinking water suppliers. Therefore, it is of great importance to monitor the development of the ground water levels within this area.

ribeka regularly monitors the ground water levels of over 2.400 wells in the project area using state-of-the-art equipment, such as PDAs equipped with the software GW-Mobil[®] for mobile data acquisition and read-out of data loggers. With help of the ground water management software GW-Base[®] the ground water level data is spatially and statistically evaluated in order to gain a full understanding of the development of the local ground water resource.

Contact

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Period

2003 - ongoing