

Theme 6 „Environment”
Offer for the participation in the project that will be prepared for the 4th call for proposals
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The institution	Name: Główny Instytut Górnictwa (GIG) /Central Mining Institute Zakład Ochrony Wód/ Department of Water Protection
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Is interested in the participation in a project that will be prepared and submitted in the following topic:	
Number and title of the area (from Work Programme)	<i>Area 6.3.1.1 Water;</i> <i>Area 6.2.1.2 Water resources</i>
Number and title of the open topic (from Work Programme):	ENV.2010.3.1.1-1 Technologies and systems for urban water cycle services; ENV.2010.3.1.1-2 Innovative system solutions for municipal sludge treatment and management; ENV.2010.2.1.2-1 Evaluation of effectiveness of economic instruments in integrated water policy; ENV.2010.2.1.2-2 ERA-net on water management
<p>Short description of the organisation: The Central Mining Institute (GIG) is a restructured scientific and development organization with 80 years of experience, which aim is to provide service for the mining industry, local authorities and private enterprises. The main subject of our activities includes: mining engineering, environmental engineering, quality problems, water management, rainwater management, geospatial information system, education and training including social and economic issues. Experts and research teams of GIG provide multidisciplinary services supporting regional and local authorities as well as government institutions. Regarding specificity of Department of Water Protection in GIG, we as a department specialize in elaboration of documentation at each level of investment process, from programs and strategic plans, through conceptual works and feasibility studies, to technical projects including all required documents (water – law studies, environmental impact assessments) using the best knowledge and solutions, the results of our research – scientific activity. We guarantee an effective collaboration in programming of sustainable water management both at local and regional level. Our research works focusing on development of environmental friendly technologies and complex solutions for watershed according to Water Framework Directive. Moreover, a broad scope of GIG activities is an tangible contribution in European Research Area. Thus, GIG has a big experience in European RTD projects co-financed by FP, ECSC, INTERREG, LIFE and others.</p>	
<p>Proposed contribution to the project:</p> <p>The Central Mining Institute has wide experience in carrying out European Union Projects, which serve the formation of favourable relations: people – industry – environment. GIG provides services and research works based on innovative techniques of computer science supporting decision making processes and data management of multidisciplinary team of GIG specialists in the area of water and rainwater management, sanitary and environmental engineering, biology and economy and redevelopment processes of postindustrial areas. Long-term cooperation with prestigious domestic and foreign research centres and business supporting institutions as well as successful implementation of innovative solutions for both industry and communal sector are our additional assets. A sustainable development principles are key drivers of our research and service activities.</p>	
<p>Chosen references (publications, others):</p> <ol style="list-style-type: none"> 1. Leadership of Central Europe Project - Reuris (Revitalisation of Urban River Spaces), www.reuris.gig.eu 2. Leadership of Central Europe Project - Foks (Focus on Key Sources of Environmental Risks), projectfoks.eu 3. Leadership of INTERREG IIIB Cadses project - MAGIC (Management of Groundwater in Industrially Contaminated Areas), www.magic-cadses.com 4. T. Ertel, U. Schollenberger, Magic -Management of Groundwater at Industrially Contaminated Areas, Handbook for Integral Groundwater Investigation, Warsaw 2008 5. Bukowski P., Bromek T., Augustyniak I., 2006: Using the DRASTIC System to Assess the Vulnerability of Ground Water to Pollution in Mined Areas of the Upper Silesian Coal Basin. Mine Water and the Environment. Journal of the International Mine Water Association (IMWA). Technical Communication. Springer. Vol.25, No , pp.15-22. 6. Krogulec E., 2006: Methods and results of groundwater vulnerability evaluation to contamination in the Kampinoski National Park. Acta Geologica Polonica, Vol. 56, No. 3, s. 349-359. 	
<p>Other information (if relevant): We are open to collaborate in the field of following topics: water and rainwater management, sustainable development, environmental impact assessment, cost-benefit analysis, environment value estimation tools, environmental risk evaluation/ management, water footprint, GIS technology, postindustrial/ brownfield areas management.</p>	