

Program	Sectorial MECMA, contract Contract 13/ 24.10.2011
Project title (ENG):	Research and on-site pilot level study for the "High Density Sludge" (HDS) technology for mine water treatment
Project title (RO):	Posibilitati de implementare a tehnologiei "High Density Sludge" (HDS) in statiile de epurare ape de mina
Duration	2011-2012
Team Leader CO	dipl.eng. Dinu Laurentiu
Summary (short description) ENG	<p>The main project objective was to evaluate "High Density Sludge for ARD treatment.</p> <p>Study site laboratory tests to treat mine water - site Fata Mare</p> <p>Detailed design for on-site pilot plant, $Q_{max} = 1 \text{ m}^3/\text{h}$, adequate for HDS process study on Fata Mare site. Procurement and sub-systems assembly.</p> <p>Permitting issues management - town planning, water management, environment, MECMA DGRM, CONVERSMIN, industrial on-site operator.</p> <p>Pilot plant installation at the Fata Mare site.</p> <p>Piloting and optimization and performance evaluation for the Geco Noranda HDS alternative.</p> <p>On-site workshop and on-site demonstration.</p>
Summary (short description) RO	<p>Obiectivul principal al proiectului a fost evaluarea tehnologiei de epurare ape acide de mina "High Density Sludge".</p> <p>Studiu de amplasament, teste de laborator pentru tratarea apei de mina, situl Fata Mare</p> <p>Proiect tehnic si proiect de executie instalatie pilot cu functionare on-site, $Q_{max} = 1\text{m}^3/\text{h}$, adecvata studierii procesului HDS pe situl Fata Mare. Achizitii echipamente si premontaj sub-sisteme.</p> <p>Documentatii si obtinere avize si acorduri - urbanism, gospodarie ape, mediu, MECMA DGRM, CONVERSMIN, operator statie nivel industrial in functiune.</p> <p>Montaj instalatie pilot pe situl Fata Mare</p> <p>Pilotarea si optimizarea procesului si, evaluarea performantei tehnologiei in varianta Geco Noranda.</p> <p>Organizare atelier de lucru on-site si functionare demonstrativa on-site.</p>
Dissemination of results	
Conferences (platform, poster, abstract / full-paper)	On-site demonstration