

Program	Program NUCLEU PN 09-13 03 04
Project title (ENG):	Assisted Passive Technology For The Mine Water Treatment
Project title (RO):	Tehnologii pasive asistate pentru tratarea complexa a apelor de mina
Duration	2011
Team Leader	dipl.eng. Dinu Laurentiu chim. Cristiana Cosma
Summary (short description) ENG	Study on the mechanisms and determinants to reduce sulphates and removal of heavy metals from mine waters using sulfate-reducing bacteria (SRB) - in passive bioreactors Inoculum growth for the biological reduction of sulphate Laboratory test pilot - passive treatment bioreactor for biological sulphate reduction in mine water Experimental Study - assisted feed SRB bioreactor
Summary (short description) RO	Studiu privind mecanismele si factorii determinanti pentru reducerea sulfatilor si indepartarea metalelor grele din apele de mina cu ajutorul bacteriilor sulfat-reducatoare (SRB) - bioreactoare in sistem pasiv Inocul biologic specializat pentru reducerea biologica a sulfatului Micropilot nivel laborator - bioreactor in sistem pasiv asistat pentru tratarea apelor de mina cu continut de sulfat. Studiu experimental - testare bioreactor cu alimentare asistata de substrat.
Dissemination of results	
Conferences (platform, poster, abstract / full-paper)	L.Dinu, M.Nicolau, C.Bumbac, V.Patroescu, V.Badescu, C.Cosma, L.Popa, Mine Water – Preliminary Research For Biological Sulphate Removal, SIMI 2011 - International Symposium „Environment and Industry”, Bucharest