

Program	<i>PN II- PROGRAM 4 – PARTENERIATE IN DOMENIILE PRIORITARE- DIRECTIA DE CERCETARE 3- MEDIU, COMPETITIA 2, Contract de finantare nr. 32-128/2008)</i>
Project title (ENG):	INTEGRATED WATER MANAGEMENT ON THE INDUSTRIAL UNITS
Project title (RO):	MANAGEMENTUL INTEGRAT AL APEI PE PLATFORMELE INDUSTRIALE –MINAPA
Duration	2008-2011
Team Leader (CO)	Senior Researcher Eng. Adriana Cuciureanu
Summary (short description) ENG	<p>The general objective of the Project it was to implementing the elements of integrated water management on industrial platforms active in the chemical industry, focusing upon the reduction of pollution of a natural resource – water – by involving all adjacent stakeholders, interested in the efficient and responsible use of their resource.</p> <p>For the company selected as a case study was carried out:</p> <ul style="list-style-type: none"> - Analysis of water consumption in process streams and water management systems; investigation of conveyed water quality -Analysis of the data necessary technological models for integrated water management (energy systems associated process technologies) -Checking the functional models in integrated water management <p>The major effect of applying mathematical models of integrated water management performance it was structuring regional sustainable development strategies in focal area.</p>
Summary (short description) RO	<p>Proiectul a avut ca obiectiv general implementarea elementelor de management integrat al apei pe platformele cu profil de industrie chimica, cu efect de combatere a poluarii resursei naturale -apa-si cu implicarea tuturor factorilor adiacenti interesati de utilizarea eficienta si responsabila a acestei resurse.</p> <p>Pentru societatea aleasa ca studiu de caz s-a realizat:</p> <ul style="list-style-type: none"> - Analiza consumurilor de apa in fluxurile tehnologice si a sistemelor de gospodarie a apelor ; investigarea calitatii apelor vehiculate -Analiza datelor tehnologice necesare modelelor de management integrat al apei (sistemele energetice asociate tehnologiilor de proces) -Verificarea modelelor functionale in managementul integrat al apei <p>Efectul major al aplicarii modelelor matematice performante de management integrat al apei il constituie structurarea strategiilor zonale de dezvoltare durabila in zona focala.</p>
Dissemination of results	
Book, book chapters	Cristian Teodorescu, Margareta Nicolau, Adriana Cuciureanu, Marinela Petrescu, Doina Guta, Ciprian Tetiu, Rodica Baci, <i>Integrated Water Management Around a Large Chemical Platform</i> , chapter 11 of book - <i>Sustainable Development - Authoritative and Leading Edge Content for Environmental Management</i> , INTECH Publishing House, Zagreb, Croatia, 2012, ISBN 978-953-51-0682-1
Conferences (platform, poster, abstract / full-paper	Adriana Cuciureanu, Cristian Teodorescu, Marinela Petrescu, Margareta Nicolau, Ciprian Tetiu, Rodica Baci, PRACTICAL APPLICATIONS OF MATHEMATICAL MODELING FOR INTEGRATED WATER MANAGEMENT ON AN INDUSTRIAL PLATFORMS, International Symposium “The Environment and Industry”, 2011, vol.II, pg.13-19