

<b>Program</b>	<b>Romania - Bulgaria Cross Border Cooperation Programme 2007-2013 MIS ETC Code 144</b>
<b>Project Leader Institution (CO)</b>	National Research and Development Institute for Electrical Engineering ICPE-CA, Bucuresti, Romania
<b>Project title (ENG):</b>	<b>REACT- Integrated system for dynamic monitoring and warning for technological risks in Romania-Bulgaria cross-border area</b>
<b>Project title (RO):</b>	<b>REACT-Sistem integrat de monitorizare dinamică și de avertizare pentru riscurile tehnologice din zona transfrontalieră România-Bulgaria</b>
<b>Duration</b>	2011-2013
<b>Team leader Partner 3</b>	Senior Researcher PhD. Eng. LEHR Blaziu Carol
<b>Summary ENG (short description)</b>	<b>General objective</b> Environmental protection through effective management of technological risks (water and air) and develop joint services intervention in emergencies <b>Specific objectives:</b> Developing and increasing the institutional capacity of local government and the business community, in order to prevent and react in the event of accidental industrial pollution Developing the capacity of planning and intervention in common based on evaluations of risks arising from accidental industrial pollution Increasing awareness of the population, the local government and companies about the risks of accidental industrial pollution
<b>Summary RO (short description)</b>	<b>Obiectivul general:</b> Protectia mediului, prin gestionarea eficienta a riscurilor tehnologice (poluarea apei si aerului) si dezvoltarea serviciilor comune de interventie in situatii de urgenta <b>Obiective specifice:</b> Dezvoltarea si cresterea capacitatii institutionale a administratiei publice locale si a comunitatii de afaceri, in scopul de a preveni si de a reactiona in caz de poluare industriala accidentala Dezvoltarea capacitatii de planificare si interventie in comun pe baza evaluarilor de riscuri generate de poluarea industriala accidentala Cresterea gradului de constientizare a populatiei, administratiilor publice locale si agentilor economici cu privire la riscurile de poluare industriala accidentala
<b>Dissemination of results</b>	
<b>Full-paper ISI</b>	Vilcu Constantin, Voicu Gheorghe, Paraschiv Gigel, Manole Emilia Sofia, <b>Lehr Carol</b> , Nedea Adrian, Borzea Claudia Irina - System for dynamic monitoring and warning in case of ecological risk for surface waters, Environmental Engineering and Management Journal, vol.13, no.7, 1757-1764
<b>Conferences (platform, poster, abstract / full-paper</b>	Sistem de monitorizare dinamica si avertizare in caz de risc ecologic pentru apele de suprafata“ - OPROTEH Bacau 23-25.05.2013, C. Vilcu, Gh. Voicu, <b>C. Lehr</b> , A. Nedea SPECIAL STATION FOR LIVE-ONLINE-DYNAMIC MONITORING OF WATER QUALITY” Stud. Eng. Vilcu C., Voicu G., <b>Lehr C.</b> , Edmond MAICAN, Paula TUDOR, Grigore CICAN, Mihai DEACONU, 5th International Conference on Thermal Equipment, Renewable Energy and Rural Development TE-RE-RD June 3th, 2016, Varna, Bulgaria, proceedings pg. 423-429 3SWQM – watermark for pollution control of surface water, C. Vilcu, Gh. Voicu, <b>C.B. Lehr</b> , E. Maican, P. Tudor, V. V. Safta, 45th International Symposium “Actual Tasks on Agricultural Engineering” 21st-24th February 2017, Opatija, Croatia