

Program	Program PN II, contract nr. 56/2012
Project title (ENG):	Minimizing and integrated monitoring of pollutants in the leather industry for a sustainable production ", acronym SUSTAINLEATHER
Project title (RO):	Minimizarea si monitorizarea integrata a poluantilor din industria de pielarie pentru o productie sustenabila", acronim SUSTAINLEATHER
Duration	2012-2016
Team Leader	Senior Researcher Eng. Elena Bucur
Summary (short description) ENG	<p>The project proposed and realized the development, validation and implementation of an integrated system for monitoring and reducing pollutant emissions from tanneries and shoe industry - a welcome solution to reduce environmental impact for sustainable development and sustainable production.</p> <p>The project was developed in a series of experimental models for integrated monitoring system whose functionality was demonstrated by implementing on a tannery and shoe factory. In terms of air emissions of interest were NH₃, H₂S si COV.</p> <p>System validation was performed by comparing the results of measurements made with sensors and specialized laboratory from INCD ECOIND accredited RENAR in the base of method standards in force.</p> <p>The results showed the functionality and applicability of the integrated monitoring system and fit for purpose: reducing emissions of pollutants in leather processing industry.</p>
Summary (short description) RO	<p>Proiectul si-a propus si a realizat dezvoltarea, validarea si implementarea unui sistem integrat de monitorizare si minimizare a emisiilor de poluanti din tabacarii si industria de incaltaminte, o solutie binevenita de reducere a impactului asupra mediului pentru o dezvoltare durabila si o productie sustenabila.</p> <p>In cadrul proiectului au fost elaborate o serie de modele experimentale pentru sistemul integrat de monitorizare a caror functionalitate a fost demonstrata prin implementare intr-o tabacarie si o fabrica de incaltaminte. Din punct de vedere al emisiilor in aer de interes au fost</p> <p>Validarea sistemului a fost realizata prin compararea rezultatelor masurarilor realizate cu senzori si masurarile realizate decatre laboratorul de specialitate acreditat RENAR din INCD ECOIND conform standardelor de metoda in vigoare.</p> <p>Rezultatele obtinute au evidentiat functionalitatea si aplicabilitatea sistemului integrat de monitorizare si adecvarea la scopul propus: reducerea emisiilor de poluanti din industria prelucrarii pieilor.</p>
Dissemination of results	
Conferences (platform, poster, abstract / full-paper)	Elena Bucur , Luminita Albu, Andrei Vasile, Gheorghe Coara, Gabriela Macovescu, "Experimental models for monitoring the emissions of pollutants in the leather industry", International Symposium " The Environment and the industry", Bucuresti, 13-14 October 2016
	Luminita Albu, Gabriela Macovescu, Adrian-Bogdan Hanchevici, Gheorghe Coara, Elena Bucur , Mariana Popescu, "Principles and practical actions for EMAS implementation in Romanian leather sector", 3 rd International Leather Engineering Congres – Innovative aspects for leather industry" Izmir, Turcia, 21-22 May 2015