



“Gheorghe Asachi” Technical University of Iasi, Romania



AIR QUALITY MANAGEMENT IN IASI CITY

Florin Alexandru Luca^{1*}, Corina AnaMaria Ioan²

¹“Gheorghe Asachi” Technical University of Iasi, Engineering and Management Department, 53 Dimitrie Mangeron Blvd., 700050 Iasi, Romania

²“A.I. Cuza” University, Faculty of Economics and Business Administration, Economics Doctoral School, Iasi, Romania

Abstract

According to the Romanian Law no. 265/2006, which adopted the Governmental Decision no. 195/2005 on environmental protection, *environmental agencies are responsible for air quality monitoring in Romania*. Since Romania is now an EU Member State, such a plan is a must to enhance life quality, in order to meet the objectives of the National Strategy for Sustainable Development. Having regarded to this Strategy and the Kyoto Protocol signed in 1997, this paper provides the results from a study of ambient air quality in Iasi City using data recorded by the Iasi City Environment Agency (based on daily air-quality reports from January 1, 2010 to April 31, 2011, issued by the National Environment Agency). Analyzing such data, we drew a set of guidelines to follow when drawing up an Air Quality Management Plan for Iasi City. The following air pollutants were measured and assessed: sulfur dioxide (SO₂), nitrogen oxides (NO_x), carbon monoxide (CO), ozone (O₃), particulate (PM₁₀ and PM_{2.5}).

Key words: air quality, environment policy, management, pollution, sustainability

Received: September, 2011; Revised final: January, 2012; Accepted: February, 2012

* Author to whom all correspondence should be addressed: e-mail: afluca@ymail.com; Phone: +40 755859209