



“Gheorghe Asachi” Technical University of Iasi, Romania



SUSTAINABLE USE OF RECOVERED PAPER - ROMANIAN PAPER INDUSTRY

Roxana Vlase¹, Iftimi Viorel², Dan Gavrilescu^{3*}

¹*VRANCART Paper Mill, 17 Teodoroiu Street, Adjud, Romania*

²*ISO Project SRL, 22 Alexandru cel Bun Street, Suceava, Romania*

³*“Gheorghe Asachi” Technical University of Iasi, Faculty of Chemical Engineering and Environmental Protection,
73 Prof.dr.docent D. Mangeron Street, 700050 Iasi, Romania*

Abstract

Recovered paper is a valuable raw material for paper industry at global level. Paper made from recovered paper reduces the demand on wood, uses less energy, water and chemicals, produces less toxic releases and reduces carbon dioxide emissions. During last decade, global demand for recycled fibers increased constantly due to a strong extension of the production capacities based predominantly or entirely on recovered paper, both in Europe and Far East countries. Furthermore, an increasing competition in the utilization of recovered paper and board for non-papermaking purposes is observed. Obviously, these trends could constitute some barriers to the sustainable use of recovered paper in paper industry. This paper is aiming to analyze the driving forces and barriers for sustainable use of recovered paper in Romanian paper sector. In addition, the paper discusses the benefits of recovered paper use on paper manufacture, as well as on the environment.

Key words: environment, papermaking, recovered paper, resources, sustainable development

Received: March, 2012; Revised final: September, 2012; Accepted: October, 2012

* Author to whom all correspondence should be addressed: e-mail: gda@ch.tuiasi.ro; Phone: +40-232-278680 ext.2322