



WP5

List of four paper products for the Life Cycle Assessment



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LIST OF FOUR SELECTED PRODUCTS FOR LCA

The EcoPaperLoop project plans four LCA studies in two categories – two studies for each category. The categories are:

- Packaging paper products
- Graphic paper products

The selected categories were presented in the previous report called “List of selected paper products to be considered in WP5 activities of EcoPaperLoop project”.

The selected categories are:

List of selected packaging products:

- Corrugated Boxes
- Folding Boxboard (incl. solid board) for frozen food
- Folding Boxboard (incl. solid board) for all other applications
- Bags (open bags with handles)
- Sacks of all sizes from pure paper
- Sacks of all sizes with composite material added
- Composite paper packaging for liquids
- Moulded paper packaging

List of selected graphic products:

- Newsprint graphic products
- Coated magazines
- Uncoated magazines

Based on the contacts made with external companies and internal discussions of all project partners on project meeting the four LCA's will be divided as follows:

- Total of 4 LCA's – 2 for packaging and 2 for graphic products:
 - Two technical LCA's – specific packaging and graphic products demonstrating how specific solutions of product design can affect the recyclability and the related environmental impact in the recycling process.
 - Two general LCA's – general packaging and graphic products demonstrating issues easy to understand by all project stakeholders

More specifically the list of LCA's that will be made are following:

1. Rotogravure printed product (Elcograf, Italy) – comparison of 3 magazines produced from different types of paper, with different paper enrichment processes and bounded differently
2. Packaging product (Model packaging, Poland) – comparison of 2 or more folding boxboard packaging and/or corrugated boxes formed using different technologies – with and without gluing etc.
3. General study FLEXO VS. OFFSET NEWSPAPER using only data taken from available literature and databases and with support of the WP5 external partners
4. Simplified study NON RECYCLABLE PACKAGING VS. RECYCLABLE packaging, using only data taken from available literature and databases and with support of the WP5 external partners.