

Paper Recycling in Europe



8th Research Forum on Recycling

24-26 September 2007 • Niagara Falls, Ontario, Canada

Ulrich Hoeke, Chairman of INGEDE

Contents

- **Who is INGEDE?**
- **Paper Recycling in Europe and globally**
- **The European Declaration on Paper Recycling**
- **Requests from the Paper and the Deinking Industry**

Who is INGEDE?

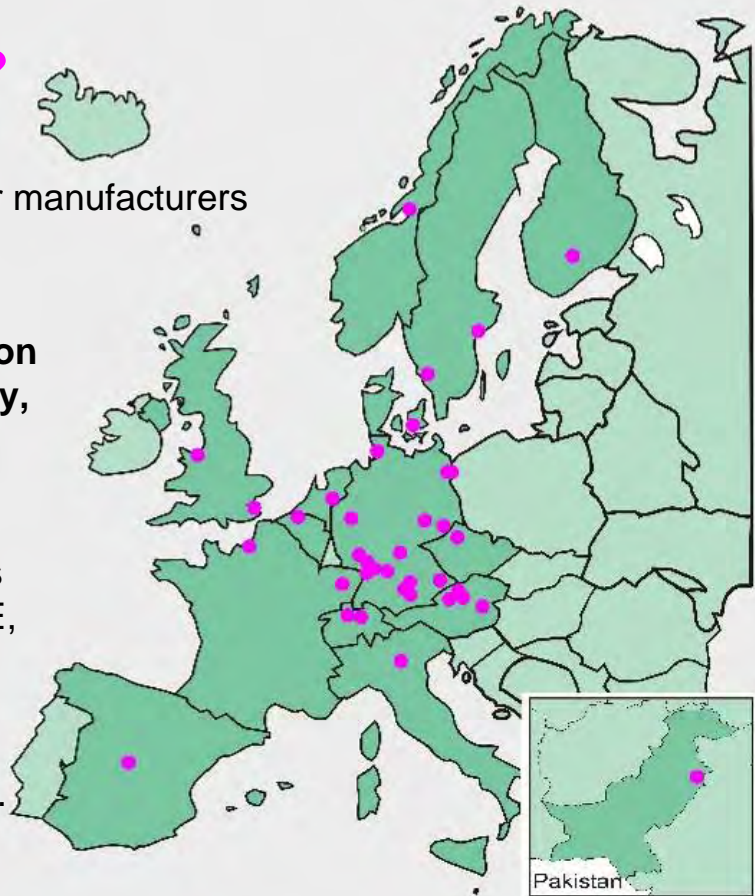
Leading European paper manufacturers
with deinking plants

founded the
**International Association
of the Deinking Industry,**

a non profit organisation,
in 1989.

Currently **37 paper mills**
are members of INGEDE,

who utilised about
10.5 Mio tons of
recovered paper in 2006.



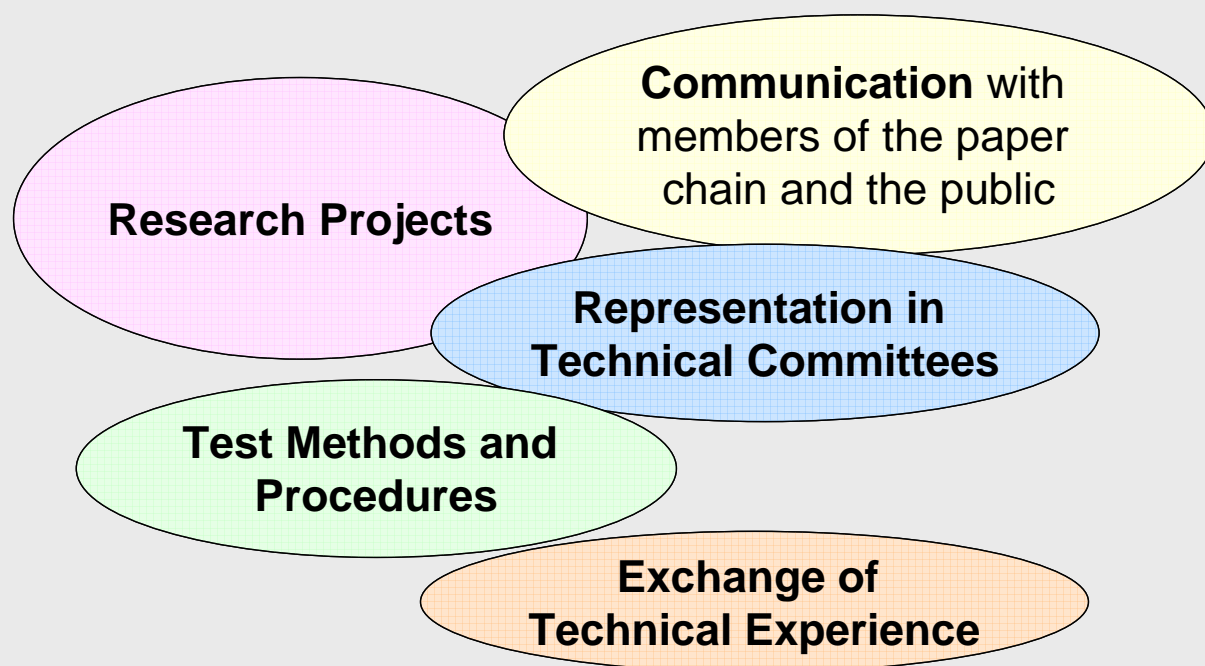
Objectives of INGEDE

“For improving the necessary supply of recovered graphic paper
for the paper industry and to avoid an increasing role of
legislation it is important that

- the paper industry defines, supports and coordinates the necessary research activities in the field of deinking and
- to seek the cooperation with all other members of the paper chain.”

(Translated from the protocol of the first INGEDE meeting on
February 27th 1989).

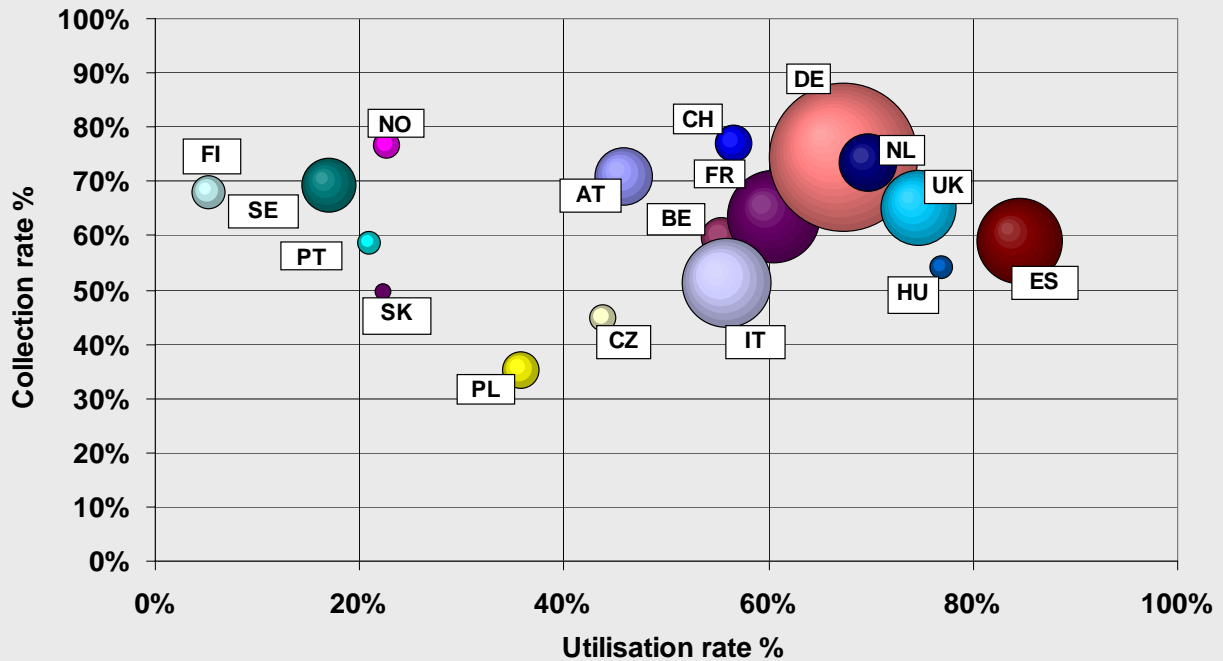
What does INGEDE do?



Contents

- Who is INGEDE?
- **Paper Recycling in Europe and globally**
- The European Declaration on Paper Recycling
- Requests from the Paper and the Deinking Industry

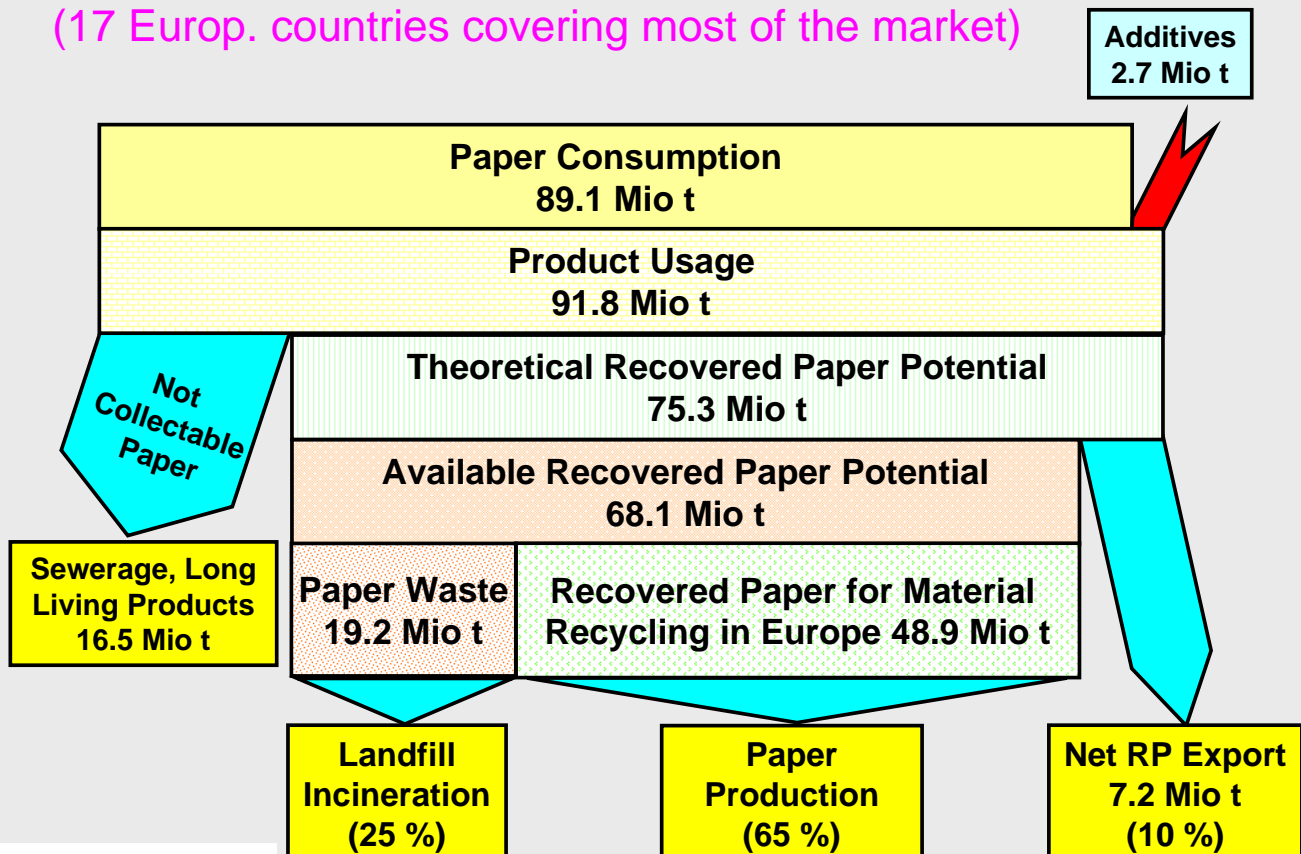
Recovered Paper Collection Rate, Utilisation Rate and Utilisation in CEPI Countries in 2006



Source: CEPI

Material Flows in Europe 2006

(17 Europ. countries covering most of the market)



Sources: CEPI, PMV

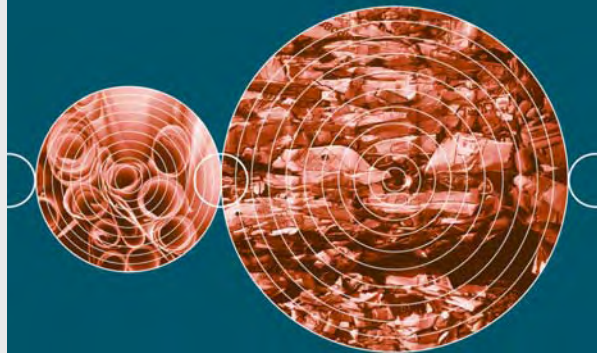
Contents

- Who is INGEDE?
- Paper Recycling in Europe and globally
- **The European Declaration on Paper Recycling**
- Requests from the Paper and the Deinking Industry

European Declaration on Paper Recycling

European Declaration on Paper Recycling
2006 - 2010

The “Declaration” is an important self-commitment
of the paper value chain

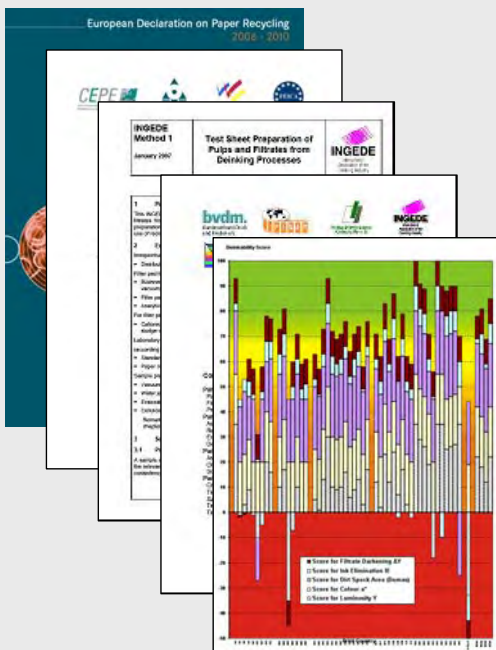


More information and download from
www.paperrecovery.org

European Declaration on Paper Recycling

- Target recycling rate: 66% ± 1.5% by 2010
- Qualitative targets for recyclability and paper collection systems
- Six associations from paper & converting industry, printing, recovered paper trade are committed to the quantitative and qualitative targets
- Seven associations of the publishing sector and of suppliers to printers & converters support the qualitative targets
- The EU acts as observer

Work for Improving the Recyclability of Printed Products



- European Declaration on Paper Recycling
- Guide to an Optimum Recyclability of Printed Graphic Paper
- INGEDE test methods
- Assessment schemes – adopted within the paper chain
- Recyclability surveys and research projects

Contents

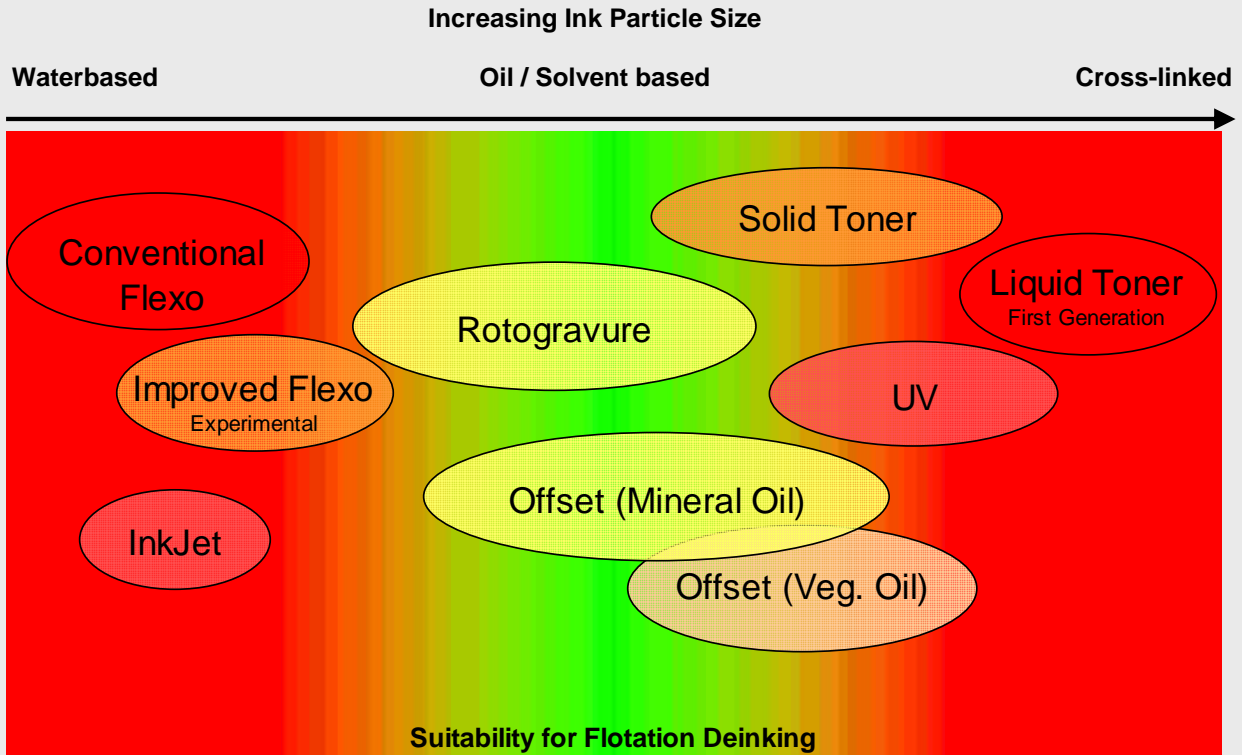
- Who is INGEDE?
- Paper Recycling in Europe and globally
- The European Declaration on Paper Recycling
- **Requests from the Paper and the Deinking Industry**

Think of Recyclability when Designing a Paper Product

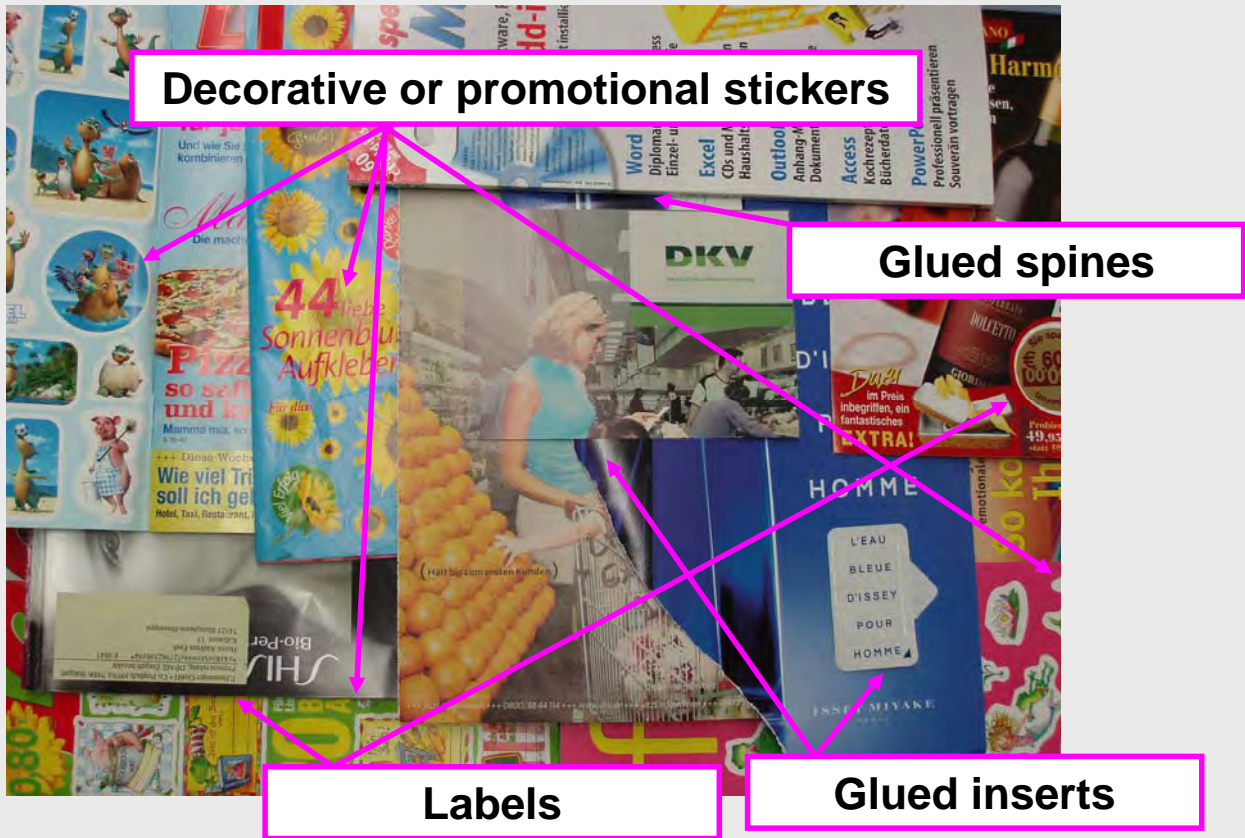
**For good recyclability,
paper products have to be:**

- **Repulpable** – important for all types of paper products
- **Adhesives have to be removable**
– important for all types of paper products
- **Deinkable in flotation deinking**
– important for all graphic products

Printing – Deinking



Adhesive Applications on Graphic Paper Products



Requests for Recovered Paper Collection Systems

- The deinking process requires clean recovered paper, free from non-paper components and undeinkable papers
- Increasing collection has to consider these requirements
- Separate collection of P&B from other recyclables is a must for the paper industry
- Separate collection of graphic papers is an advantage for deinking mills

Important: No Co-mingled Collection!

UK mills campaign for more quality: PaperChain and "Real Recycling" vs. WRAP and "Recycle Now"

Poor quality is not sustainable recycling: it is unnecessary and avoidable waste", Martin Green says. He is the chairman of PaperChain, part of UK's Confederation of Paper Industries (CPI). Paper recyclers cancelled their support for WRAP, a government initiative to promote recycling, and their "Recycle Now Week" in June.

UK paper reproducers are seeing some very poor quality recovered paper coming onto the market, and are unwilling to take the risk of using this material because of the negative impacts on the paper making process", Green says. "The bottom line is that a paper mill cannot recycle tin cans, food, and plastics into new paper products. PaperChain has serious doubts as to the long term sustainability of recycling in the UK if the lack of focus on quality continues." (see also next page)

Be careful with our resources
Co-mingled means contamination and less efficiency

Single stream collection works in the US and is the way to do it – this was one implication of an article published by "The Economist" on June 9th. On behalf of the European Recovered Paper Council (ERPC), Anders Hildeman sent a letter to the editor to express the concerns of the paper industry about co-mingling of recyclable materials:

In the paper industry we have seen send recyclates to developing countries

Anders Hildeman works for SCA, he is Chairman of the ERPC (European Recovered Paper Council)

INGEDE
RECOVER

Co-mingled means contamination and less efficiency
(Anders Hildeman, SCA,
Chairman of the European Recovered Paper Council)

materials in the recovered paper). In turn this leads to less efficient use of resources.

The European paper industry has achieved a 63.4% recycling rate. If we are to reach higher levels and find the right qualities of recovered paper, ensuring separate collection of different materials will be necessary. On another note, your article almost seems to argue that it is better to Europe would only do about half their current size. I would think that the same applies to many other industries.

Best regards,

Anders Hildeman

Anders Hildeman
ERPC Chairman

RECOVER (Edition 3/2007) is published by the International Association of the Deinking Industry (INGEDE) to promote optimum conditions for paper recycling.

INGEDE
International Association of the Deinking
Industry

INGEDE Office

Gerokstr. 40
74321 Bietigheim-Bissingen
Germany

Phone +49 7142 7742-81
Fax +49 7142 7742-80
Mail office@ingede.org

Public Relations

Oetztaler Str. 5 B
81373 München
Germany

Phone +49 89 769-2332
Fax +49 89 769-2338
Mail info@ingede.org

www.ingede.org