



Collection of Paper for Recycling in the New States of Germany

Klaus Große, 23rd INGEDE Symposium, 12th of February 2014, Munich

Stora Enso Sachsen GmbH Eilenburg

- 100 % owned subsidiary of Stora Enso
- Start-up: summer 1994 (PM1)
- Initial investment: 390 MEUR and 150 MEUR investments in succession
- Employees: approx. 270



- **Raw materials:**
100 % Paper for Recycling (household newspapers and magazines)
- **Products:**
320,000 t/a Newsprint
40,000 t/a De-inked market pulp



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Stora Enso Sachsen – Paper for recycling supply

Consumption: approx. 430,000 t/a - 1.11
Grades: 1.11 and 1.01 for sorting
Supply: mainly long-term agreements with WMC
as well as own sorting
Delivery: by truck 99 % and by rail 1 %



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Waste Hierarchy of EU

5 levels:

- prevention
- preparing for reuse
- recycling
- other recovery, notably energy recovery
- disposal

Requirement: No use for thermal recycling !



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Waste status of paper for recycling

End-of-waste or when does paper start to be waste?

Our opinion:

- Separately handled products as newspapers and magazines, collected under control of a monitored (bring) system, **never** become waste.

Proposal for the the EU Commission :

After sorting: End of the waste character if

- Non-paper components < 1,5 %
- The quality is according to EN 643
 - Free of dangerous material
 - No contamination with oil or other liquids

REFUSED



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Regional/local utilization of paper for recycling

Germany is a net-importer of paper for recycling since several years.

I. e.: Huge transport-loads in Europe and across the globe

→ Demand: **Regional use of paper for recycling**

Examples:

- Political initiatives in Spain and Italy
- Statement of obligation in ERPC (European Recovered Paper Council)



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Legal tenders in Germany

- Unsorted mixed paper from communities (5.01/1.01) does not have a market price.
 - Communities demand prices based on different indexes plus extra charges.
 - These indexes are based on sorted grades, but contracted grades are unsorted .
 - The bidder with the highest price makes the deal; but quite often there is no agreement with a paper mill.
 - Communities do not give any guarantees regarding **quantities** and **quality**
 - **Unacceptable for paper industry**
- Demand: - to tender only the performance of waste management company



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Alternatives

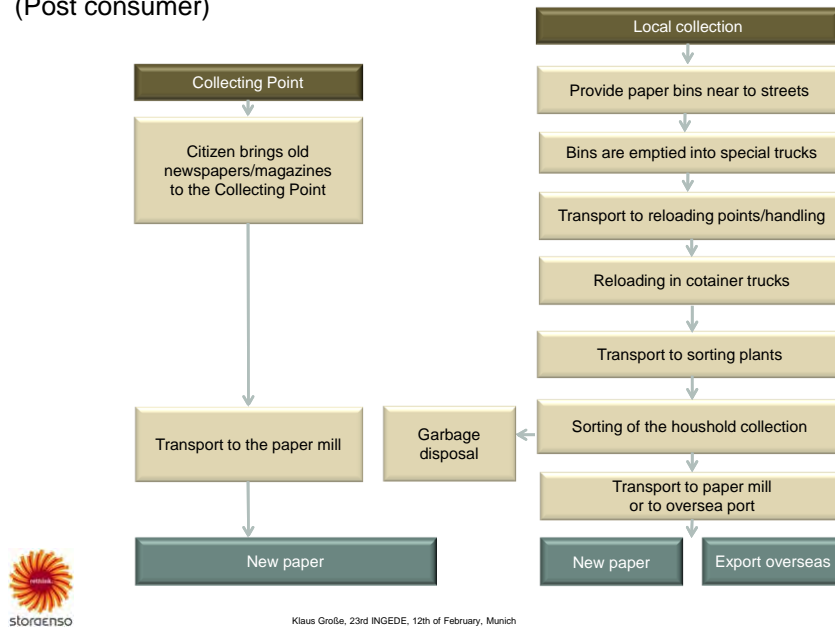
- Producer Responsibility Model (e. g. Sweden, Finland)
- Direct contracts with communities or three-parties contracts (e. g. Switzerland, France)
- Purchase-/Collecting Points (acc. to former „SERO“ System in East Germany)
 - These Collecting Points deliver **very high quality**
 - = correctly sorted PfR**
 - = Waste prevention!**



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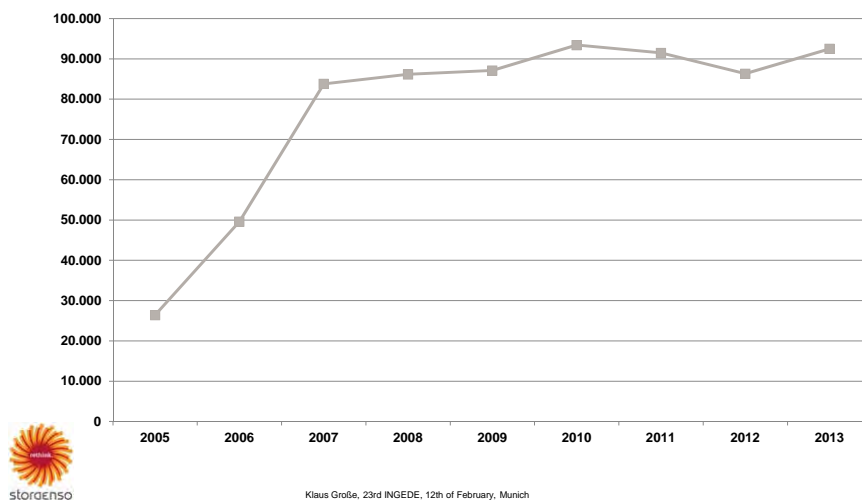
System of paper collection (Post consumer)



Development of quantities received from alternative collection

Tonnen

SES = Stora Enso Sachsen GmbH



Initiative Zukunft Papier Rohstoffe – IZP e.V.



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Initiative Zukunft Papier Rohstoffe – IZP e.V.

- Open for all involved parties of the product cycle, as:
 - Paper mills
 - Printing houses / Publishers
 - Retailer
 - Citizens (non-profit associations, schools, kindergarten)
 - Environmental associations
 - Purchase/Collecting Points
 - Commodity trader
- www.izp-ev.de



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Conclusion

High-quality recycling is dependent on high-quality raw materials



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From OLD to NEW



**Paper for recycling is raw material
and
not waste!**



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