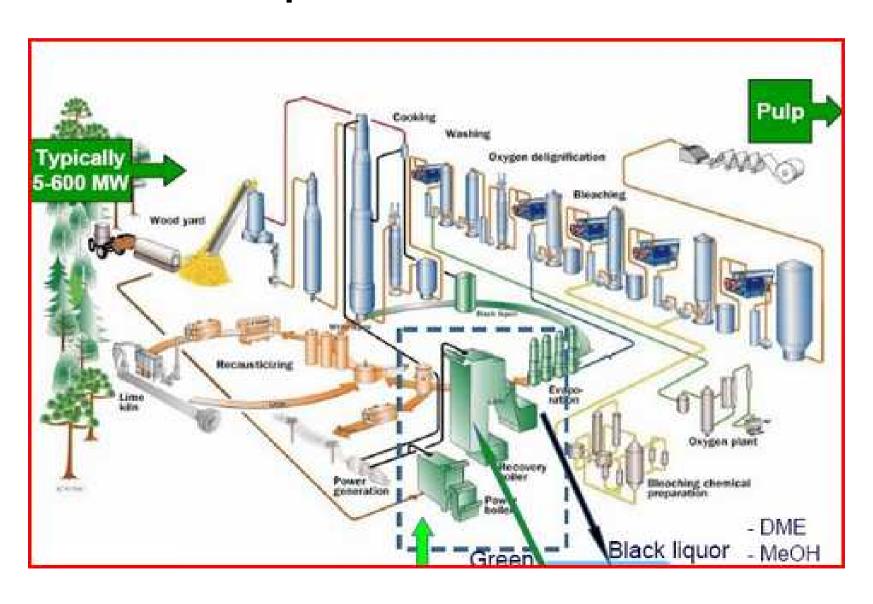
Contents/themes

- Pulp production and consumption by area
- Major pulp producers by country
- Paper production and consumption by area
- Trade flows: pulp imports and exports
- Types of pulps

Pulpmill schematic

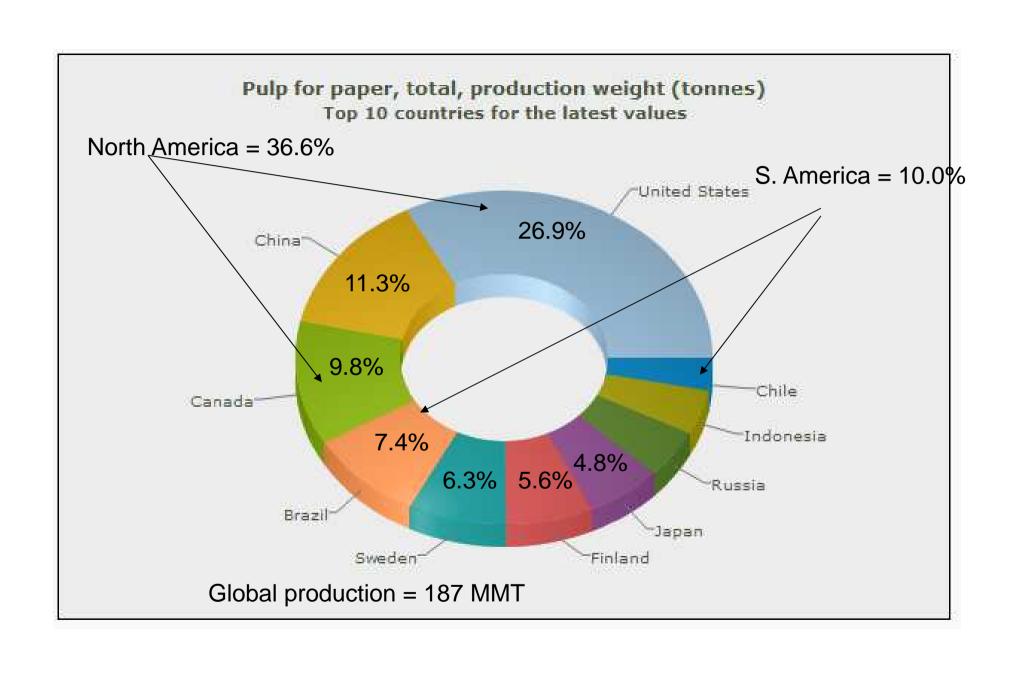


An integrated paper mill – somewhat simplified!

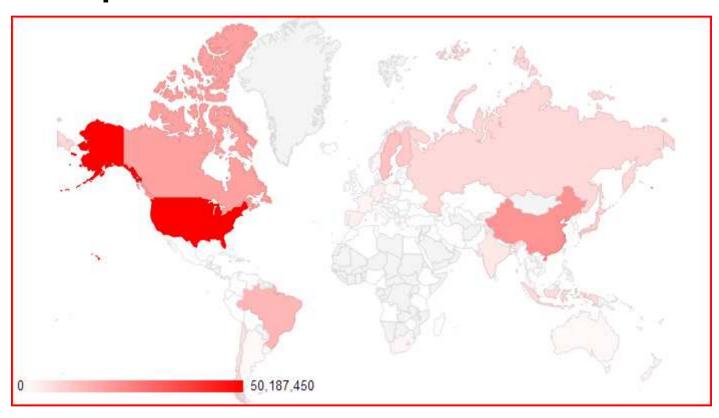


Pulp for paper: world production

			Pulp for paper, total, production weigh (tonnes)		
_	Country	≎ Rank 🔺			
			Value as number 💠	Value as bar	
Uni	ited States	1	50.187.450		
Chi	na	2	21.102.200		
Car	nada	3	18,327.000		
Bra	zil	4	13.922.000		
Sw	eden	5	11.655.151		
- Fini	land	6	10.362.000		
Jap	an	7	9.025.000		
Rus	ssia	8	7.214.000		
Inc	lonesia	9	6.560.000		
Chi	le	10	4.896.000		
Inc	lia	11	4.047.900		
Spa	ain	12	2.846.899		
Gei	rmany	13	2.725.000		
Por	tugal	14	2.107.131		
Fra	nce	15	1.832.772		
No	rway	16	1.774.000		

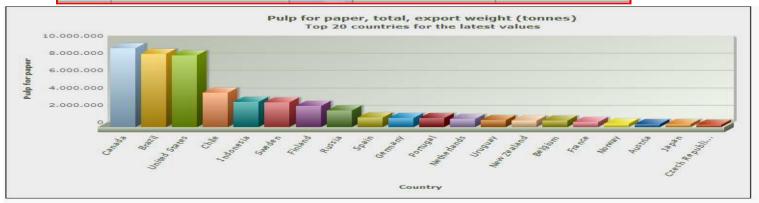


Pulp for paper: map of global production distribution



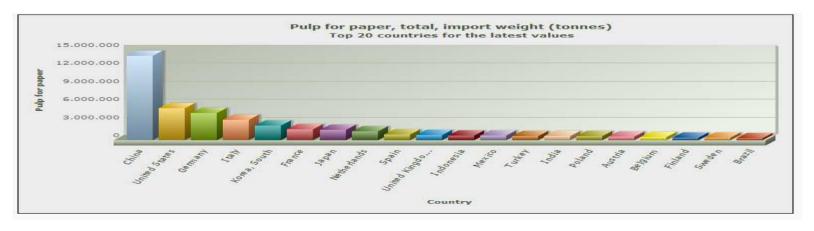
Exports worldwide: pulp for paper

	Country \$	Rank 🔺	Pulp for paper, total, export weight (tonnes)	
	Country	Ralik -	Value as number ♦ Value as bar	_
1+1	Canada	1	9.157.243	
◆	Brazil	2	8.481.358	•
	United States	3	8.325.020	•
-	Chile	4	4.025.473	
	Indonesia	5	2.933.995	
	Sweden	6	2.923.678	
+	Finland	7	2.475.177	
	Russia	8	1.980.090	
£	Spain	9	1.129.494	
	Germany	10	1.099.836	
(8)	Portugal	11	1.088.664	

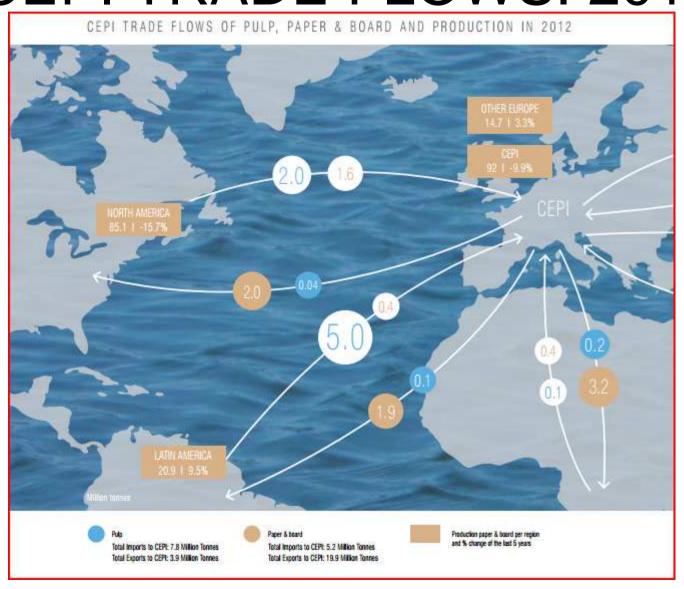


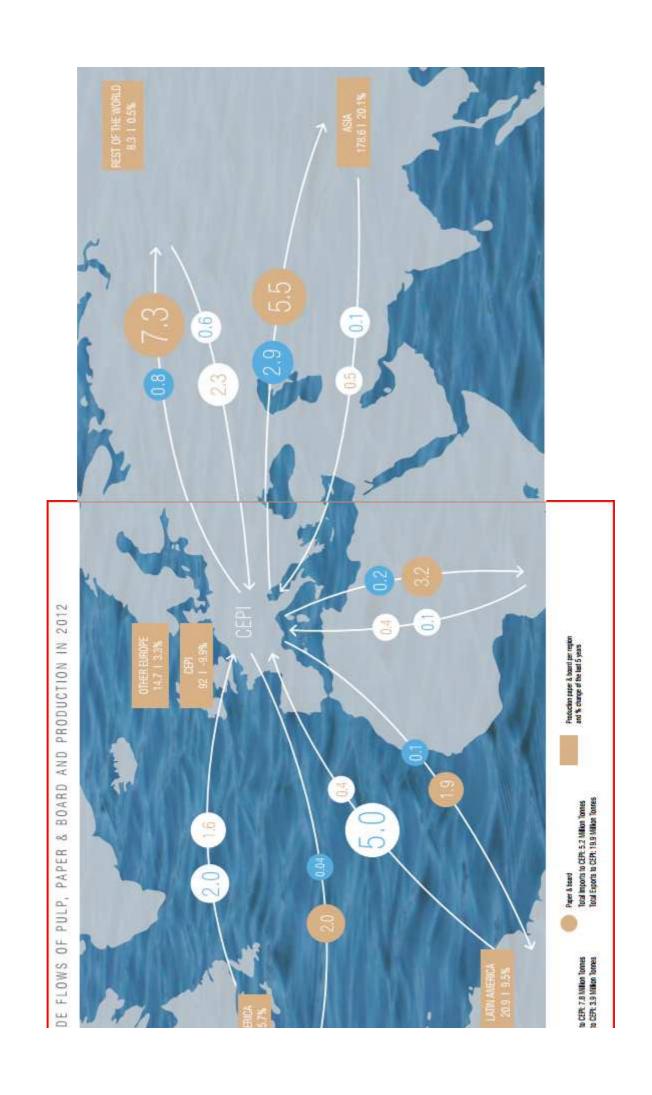
Imports of pulp for paper

	Country	≎ Rai	Rank 🔺	Pulp for paper, total, import weight (tonne	
	Country		Kank -	Value as number	Value as bar
•1	China		1	14.045.452	
	United States		2	5.329.839	
	Germany		3	4.588.770	
	Italy		4	3.455.399	
;e;	Korea, South		5	2.494.165	_
	France		6	1.883.568	
•	Japan		7	1.788.456	
	Netherlands		8	1.545.900	
	Spain		9	971.136	<u> </u>
	United Kingdom		10	934.955	

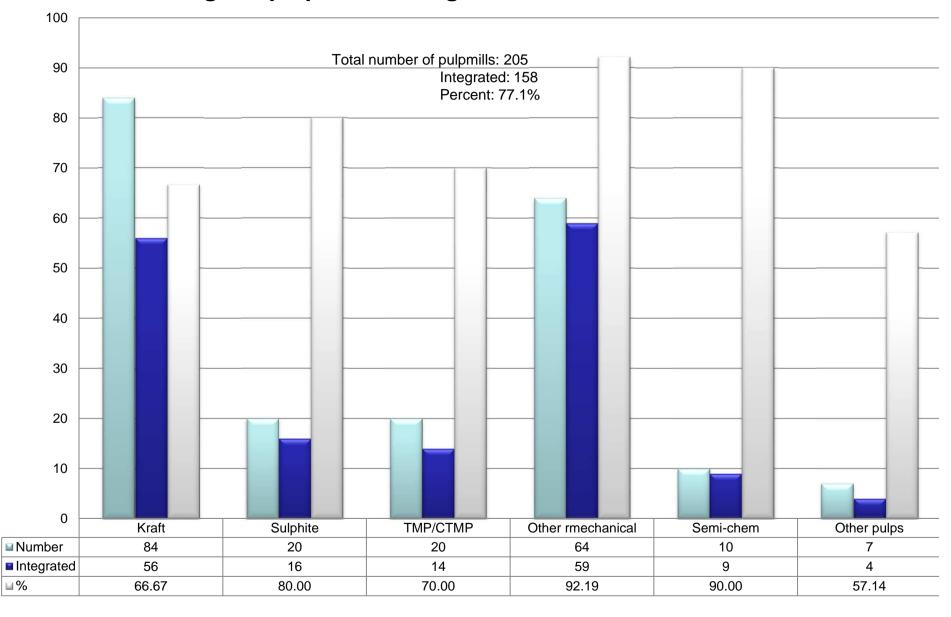


CEPI TRADE FLOWS: 2012

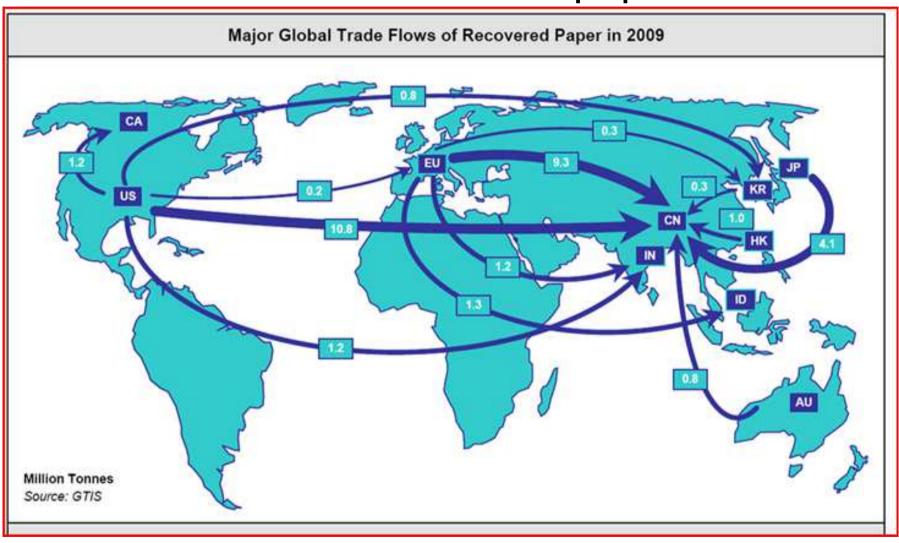


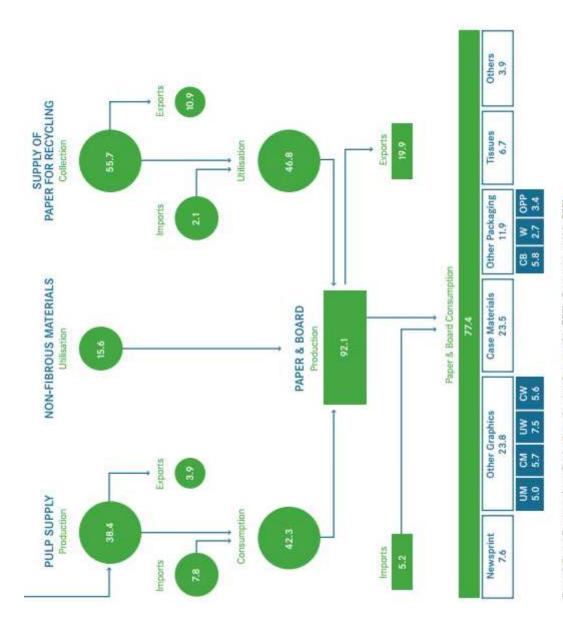


CEPI region: pulp mills - integrated as a % of total - 2008 data



Global Trade flows of wastepaper 2009



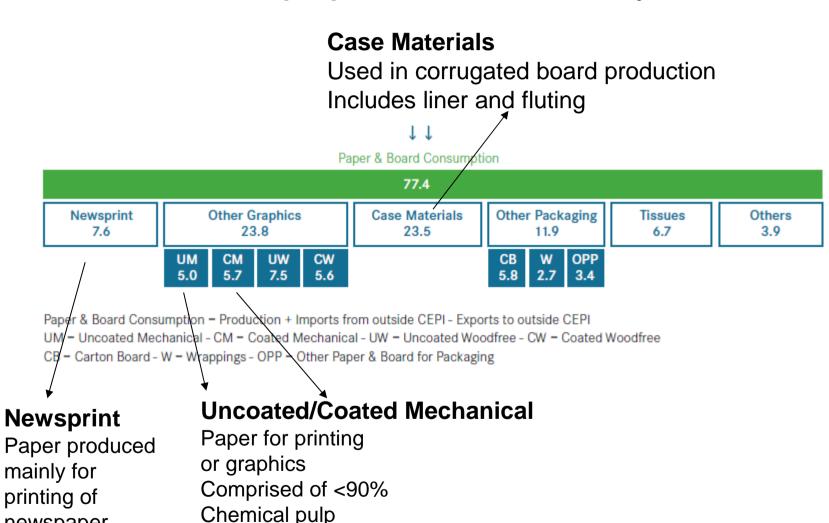


Paper & Board Consumption = Production + Imports from outside CEPI - Exports to outside CEPI

UM = Uncoated Mechanical - CM = Coated Mechanical - UW = Uncoated Woodfree - CW = Coated Woodfree

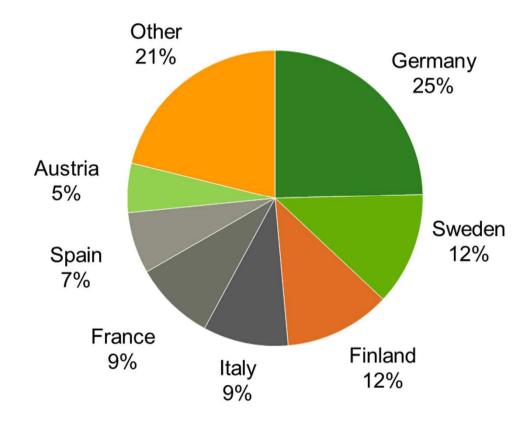
CB = Carton Board - W = Wrappings - OPP = Other Paper & Board for Packaging

Grades of paper consumed by CEPI



newspaper

Paper production in CEPI countries 2012



Total CEPI production: 92 Million Tonnes (2011: 94 Million Tonnes)

Source: CEPI

Roundwood: types of pulp for papermaking

- Dissolving pulp not relevant
- Mechanical wood pulp
- Semi-chemical wood pulp
- Chemical wood pulp
 - Sulphite process
 - Sulphate (kraft) process

185,000 GREEN, WHITE AND BLUE COLLAR JOBS

3 BILLION

ABOUT 2/3 OF SME'S 4% OF TURNOVER INVESTED IN EUROPE

EUROPEAN PAPER INDUSTRY

TURNOVER TERM SHARE OF SHARE OF SUROPEAN ECONOMY

SHARE OF SHA

ADDED WALLED TO THE BILLTON TO THE BILL THE BILLTON TO THE BILL BILLTON TO THE BILLTON TO THE BILLTON TO THE BILLTON TO THE BI

EBITDA" 11.4%

MARKET

MILLION

MILLON
S
PAPER &
BOARD