



EUROPEAN FOREST INSTITUTE  
MEDITERRANEAN REGIONAL OFFICE – EFIMED



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# Mapping wood processing industry in Europe

Traineeship in EFIMED office, Barcelona  
November 2016 – January 2017



[www.efimed.efi.int](http://www.efimed.efi.int)



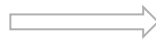
# Introduction

What is the purpose of the database?

- Cost efficiency analysis
- Distribution of resources vs. plant demand
- Wood mobility patterns
- Economic prognosis for wood industry potential

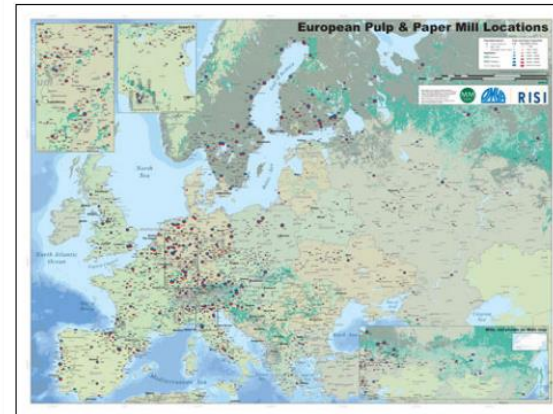
Commercial products available:

- <http://www.risiinfo.com/>



## 2014 European Pulp and Paper Mill Map

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### UPCOMING EVENTS

**FEB 13** RISI International Woodfiber Resource and Trade Conference 2017  
February 13 - 15, 2017  
Da Nang, Vietnam

**MAR 06** RISI European Conference  
March 06 - 08, 2017  
Amsterdam, Netherlands

**MAY 04** RISI Forest Investment Conference 2017  
May 04 - 05, 2017  
London, England

[View All >](#)



# Introduction

It is known where wood is harvested. But where is the wood utilised ?

Main aim of the study:

- (1) To review existing databases on wood processing industry such as pulp- and sawmills
- (2) To create a spatially explicit database in a GIS on capacities of industrial facilities that use wood as raw material.

**The future goal: How potential supply matches the local/regional demand for wood ?**

Countries covered: EU countries + Norway, except Croatia, Luxembourg, Malta

35 000 sawmills in 12 member countries of the European Organisation of the Sawmill Industry (EOS)

Around 45 500 sawmills in Europe (source: EOS)

 Info

There are around 7 000 purchasers of round wood in Poland(2).

(2) Info from The Polish Economic Chamber of Wood Industry



# Methodology

Variables:

1. Plant name
2. Plant address
3. Exact geographic coordinates
4. Volume processing capacity
5. Type of processed material, if available
6. For pulpmills – the output product and the technology of production, if available
7. Official website

Search for sawmills, papermills and pulpmills in Europe, special focus on Poland

- online research, using available websites and online sources and contact associations and organisations
- Finding coordinates using google maps
- Mapping using ArcMap
- Output: excel tables



# Methodology

## Main sources of data:

1. The European Pollutant Release and Transfer Register (E-PRTR)
2. sawmilldatabase.com
3. paperonweb.com
4. panoramafirm.pl/tartaki (online database for polish sawmill industry manufactures)

## Individual requests for a help to:

1. EOS - European Organisation of the Sawmill Industry
  2. sawmilldatabase.com
  3. BASKEGUR – asociación profesional representativa del sector forestal madera vasco - for Basque Country
  4. FEARMAGA - Federación Empresarial de Aserradores y Rematantes de Maderas de Galicia
  5. Environmental Paper Network
  6. The Association of Polish Papermakers
- ...and more



## sources of information [1/5]

### 1. The European Pollutant Release and Transfer Register (E-PRTR), Member States reporting under Article 7 of Regulation (EC) No 166/2006

The *European Pollutant Release and Transfer Register (E-PRTR)* is the Europe-wide register that provides easily accessible key environmental data from industrial facilities in European Union Member States and in Iceland, Liechtenstein, Norway, Serbia and Switzerland.

Main economic activity: **pulp, paper and board production** – 522 records

**Not edited**

Info given:  
Facility name  
Address  
Parent company name  
Coordinates  
Main economic activity name



# Methodology

## sources of information [2/5]

### 2. sawmilldatabase.com

According to the authors, the database is mainly **for sawmills** with the annual production of more than 10 000 m<sup>3</sup>.

Sawmilldatabase.com claims that “Production/capacity for a sawmill is an approximate production of sawn wood, lumber.”

Authors use the conversion factor:

$$\text{Sawn wood (m}^3\text{/y)} = 0,5 * \text{round wood processing volume (m}^3\text{/y)}$$

**THE SAWMILL**  
Home · Find on Map · Browse Sawmills · Company Directory · Saw

Map Satellite  
Munich  
Rosenheim  
Salzburg  
Kempten  
Garmisch-Partenkirchen  
Berchtesgaden  
Innsbruck  
Zürich  
Friedrichshafen  
St Gallen  
Liechtenstein  
Lucerne  
Bozano  
Bozen  
Parco Nazionale dello Stelvio

**Imst**  
Imst Austria  
Austria

Website: <http://www.holz-pfeifer.com/>  
Owned by: [Pfeifer Gruppe](#)

**Estimated production/capacity**  
Softwood 90000 m<sup>3</sup>/yr  
**Total:** 90000 m<sup>3</sup>/yr



# Methodology

## sources of information [3/5]

### 3. sawmilledatabase.com

The database seems to not be updated regularly – thus the need for updates.

Information from official websites = the primary source.

\* Changes or filled gaps in bold

FacilityName	Country	StreetName	Long	Lat	Prd	Prod_vo	F	N	Website	Owner	Remark
Lappeenranta saha	Finland	<b>Lappeenranta saha, FI-53920 Lappeenranta, Finland; Metsäsaimaankatu 5, 53920 LAPPEENRANTA</b>	61.0880165	28.1530783		235000			<a href="http://www.metsawood.com">http://www.metsawood.com</a>	MetsäWood	
Lappipaneli saha	Finland									Unknown Sawmill	The mill is closed
<b>Lapua saha; Lapuan saha</b>	Finland	Lapuan Saha Oy Eeliksenti	62.1249529	23.9273288		75000			<a href="http://www.lapuan.saha.fi">http://www.lapuan.saha.fi</a>	Lapuan Saha	
Leivonmäki sawmill	Finland	UPM, Leivonmäki Sawmill								Closed mills Finland	The mill is closed
Liekksa	Finland	Kevätniemi 81700 LIEKSA	63.3222737	29.9873739					<a href="http://www.anaika.com">http://www.anaika.com</a>	Anaika Wood	
Liekksa saha	Finland	Kevätniementie 7 · FI-817	63.3241830	29.9869167		250000			<a href="http://www.binderholz.com">http://www.binderholz.com</a>	Binderholz Group	2-shift
Luopajarven saha	Finland	Sahatie 25 61270 Luopajar	62.5820768	22.7444590		<b>22000</b>			<a href="http://www.luopajarven.saha.fi">http://www.luopajarven.saha.fi</a>	Luopajarven Saha Co	processed logs
Luvian Saha	Finland	LUVIAN SAHA OY • Sahant	61.3602014	21.6504692		325000			<a href="http://www.luvian.saha.fi">http://www.luvian.saha.fi</a>	Luvian Saha Oy	
Mäntsälän saha	Finland	Mäntsälän Saha Oy, Lahde	60.6273208	25.2963212					<a href="http://www.mantsalan.saha.fi">http://www.mantsalan.saha.fi</a>	Mäntsälän Saha Oy	
Merikarvia saha	Finland	<b>Satamatie 35 29900 MERIK</b>	61.8468290	21.4861505		220000			<a href="http://www.metsawood.com">http://www.metsawood.com</a>	MetsäWood	
Misawa Homes of Finland Oy	Finland	Misawa Homes of Finland	61.6741404	27.2869662		<b>82000</b>			<a href="http://www.misawa.com">http://www.misawa.com</a>	Misawa Homes of F	
Multian saha	Finland	<b>Erimuksentie 8 A, 42600 M</b>	62.4116786	24.7992287		45000			<a href="http://www.multian.saha.fi">http://www.multian.saha.fi</a>	Multian Saha Oy	
Myllyahon saha	Finland	Myllyahon Saha Oy, 62710								Unknown Sawmill	The mill is closed
Nurmes saha	Finland	<b>1, 2, krs - FI-75500 Nurmes;</b>	63.5398235	29.1612096		200000			<a href="http://www.binderholz.com">http://www.binderholz.com</a>	Binderholz Group	
Otava saha	Finland	Versowood Oy Otava unit	61.6667581	27.0628462		200000			<a href="http://www.versowood.com">http://www.versowood.com</a>	Versowood Oy	
Önningeby såg	Finland	Carl Rundberg Ab, Önning	60.1118861	20.0043204		50000			<a href="http://www.carlrundberg.com">http://www.carlrundberg.com</a>	Carl Rundberg AB	
Peuravuono saha	Finland									Unknown Sawmill	The mill is closed
Pihlavan saha	Finland	Pihlavan Saha Oy, Ahlströmintie 50, 28800 Pori, Finland				230000			<a href="http://www.westas.com">http://www.westas.com</a>	Westas Oy	
Pihtipudas mill	Finland	<b>Rupontie 68, 44800 Pihtip</b>	63.3429108	25.5936118		60000			<a href="http://www.timber-team.com">http://www.timber-team.com</a>	Timber Team Ltd	
Pyhäjärvi saha	Finland	PRT-Wood Oy, Pyhäjärvi, S	63.6783194	25.9803207					<a href="http://www.prt-wood.com">http://www.prt-wood.com</a>	PRT-Wood Oy	
Pyhäntä saha	Finland	PRT-Wood Oy, Pyhäntä, L	64.1149110	26.2963020					<a href="http://www.prt-wood.com">http://www.prt-wood.com</a>	PRT-Wood Oy	
Raudustimber saha	Finland	RAUDUSTIMBER OY, Raudu	61.2712088	28.9499458		20000			<a href="http://www.raudustimber.com">http://www.raudustimber.com</a>	Raudustimber OY	
Raunion saha	Finland	Rauniom Sawmill, Myllyk	60.6371260	23.0367003		185000			<a href="http://www.westas.com">http://www.westas.com</a>	Westas Oy	
<b>Renko saha;</b>											
<b>Rengon saha</b>	Finland	<b>Sahantie 50, 14300 Renko</b>	60.8871990	24.2623146		290000			<a href="http://www.metsawood.com">http://www.metsawood.com</a>	MetsäWood	

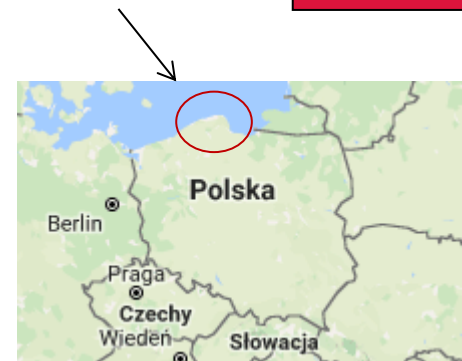
616 records for Europe





# Methodology

## sources of information [4/5]



### 4. panoramafirm.pl/tartaki

An online search engine for various companies in Poland. The website reports **6 948** „sawmills” in Poland (some duplicates and other companies related to forestry sector included- wood logistics or forest services...)

For the whole Poland I was looking for bigger sawmills. More detailed - plants in pomorskie voivoidship.

PanoramaFirm pf

tartaki pomorskie

Pokaż firmy na mapie

Tartaki - pomorskie

Sortowanie:  Popularność  Alfabetycznie

Roman Browarczyk 0 1

Żakowo 17

Wyznacz trasę

Zgłoś błąd Tartaki

Romuald Nowak Zakład Przemysłu Drzewnego 0 2

52 398 56 14

Doręgowice



# Methodology

## sources of information [5/5]

### 5. paperonweb.com

Pulp, paper resources and information site

- [HOME](#)
- [MANUFACTURERS](#)
- [PULP](#)
- [PAPER](#)
- [CONVERTERS](#)
- [CHEMICALS](#)
- [MACHINERY](#)
- [CONTROL SYSTEM](#)
- [SERVICE PROVIDERS](#)
- [DISTRIBUTORS/TRADERS](#)
- [CONSULTANTS](#)
- [EMPLOYMENT](#)
- [WASTE MANAGEMENT](#)
- [TESTING](#)
- [REPAIR](#)
- [SCHOOLS](#)
- [ORGANIZATIONS](#)
- [PAPER INFORMATION](#)
- [ABBREVIATION](#)
- [DICTIONARY](#)
- [ASK HARRY](#)
- [PULP & PAPER GRADES](#)
- [PULP & PAPER PROPERTIES](#)
- [WASTE PAPER GRADES](#)
- [PAPER MAKING PROCESS](#)
- [ARTICLES](#)
- [RAW MATERIALS](#)

## PULP MANUFACTURERS

Wybierz język | ▼

This page contains sites of Ground Wood Pulp, Refiner Mechanical Pulp, Chemo Mechanical Pulp, Chemo Thermo Mechanical Pulp, Stone Grade Bleached pulp, Unbleached pulp, kraft pulp, sulfite pulp, sulfate pulp, wood pulp, non-wood pulp, fluff, dissolving grade pulp, viscose pulp rayon grade pulp, Hardwood pulp, soft wood pulp, semi-bleached pulp, NSSC pulp, NBSK Pulp, Northern Bleached Softwood Kraft Pulp, Northern Kraft Pulp, Southern Bleached Softwood Kraft Pulp and Southern Bleached Hardwood Kraft Pulp, and/or deinked market pulp manufacturers. Please note these are the companies which sale whole or part of their pulp production to pulp consumers outside the company.

Click here for a [List of Pulp Grades and Pulping Processes](#)

Click here for a [List of Pulp Properties](#)

[N. AMERICA](#)
[S. AMERICA](#)
[EUROPE](#)
[ASIA/AFRICA](#)
[AUSTRALIA](#)

- [NORTH AMERICA](#)

1. [Alabama River Pulp Co., Inc., Purdue Hill, AL, USA](#) (Acquired by [GP Cellulose](#)) (Southern HW & SW ECF Pulp)
2. [Alberta Pacific Forest Ind. Inc., Boyle, AB, Canada](#) - (Bld. H/W & S/W Pulp)
3. [AV Cell Inc., Atholville, NB, Canada](#) (Dissolving grade pulps)
4. [Canfor Corp.\(Canfor Pulp Income Fund\), Vancouver, BC, Canada](#) - (Bleached, Semi-Bleached and Unbleached Soft Wood Kraft Pulps)
5. [Catalyst Paper Corp ,Vancouver, BC, Canada](#) (Sawdust pulp & NBSK)
6. [Cheney Pulp & Paper Co.USA](#) (Rag & Specialty Pulps)
7. [Clearwater Paper Corp. \(Formerly Potlatch Corp.\) Spokane, WA, USA](#) - (Northern Bleached Softwood Kraft Pulp)
8. [Daishowa-Marubeni International Ltd. \(Peace River Pulp Mill, Cariboo Pulp & Paper Co. and Quesnel River Pulp Co.\) Vancouver, BC, Canada](#)



# Results

## The European Pollutant Release and Transfer Register (E-PRTR)

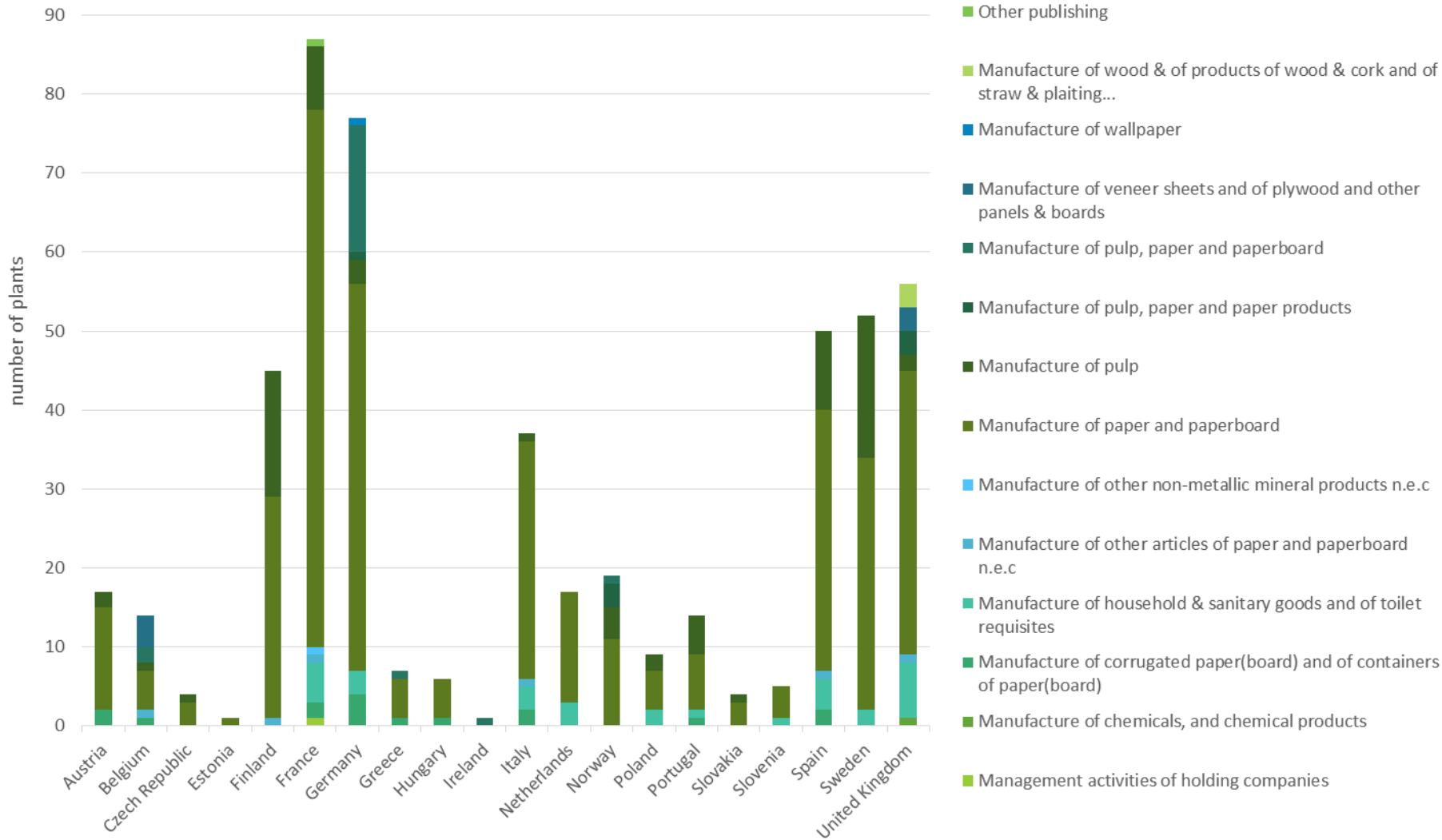
In total: 522 pulp- and paper mills registered in Europe

Not edited

Not all plants use wood as raw material !

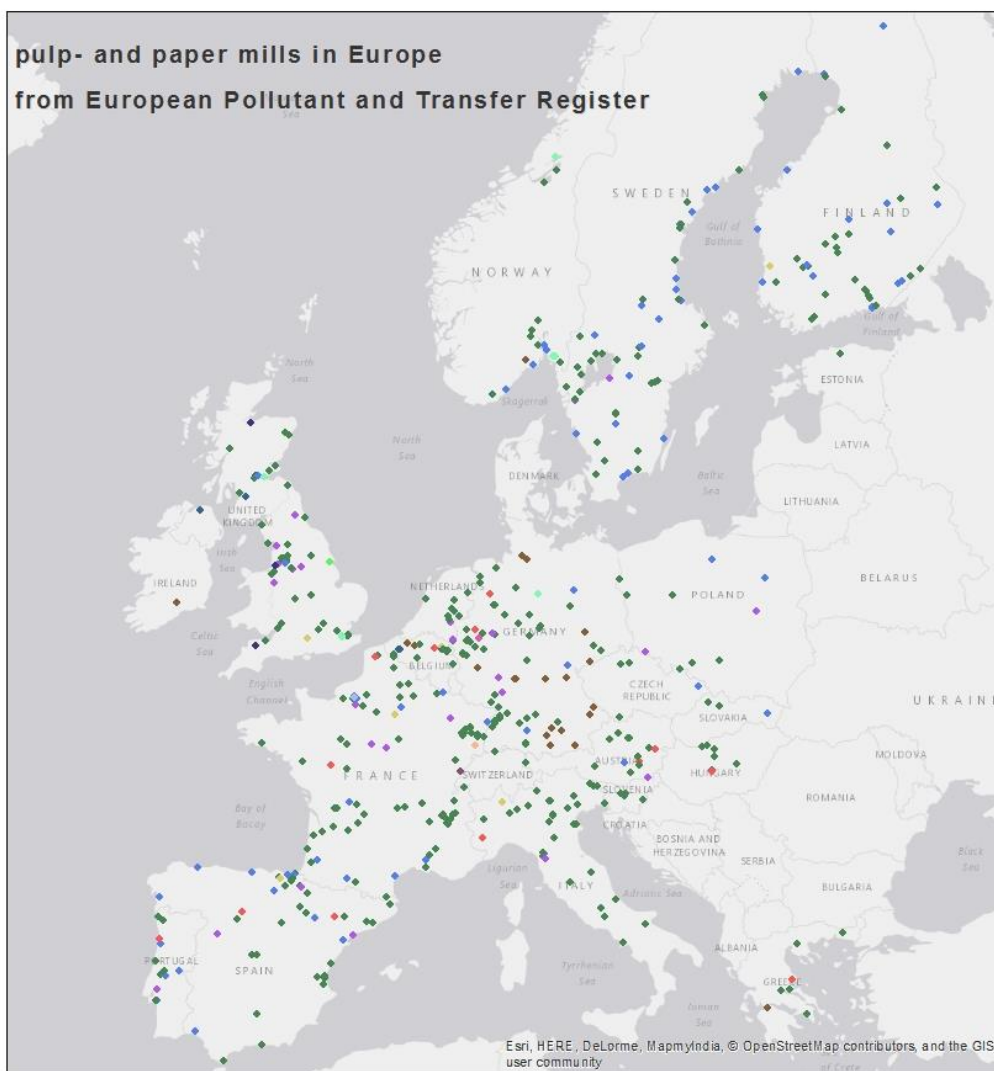
FacilityName	ParentCompanyName	CountryName	StreetName	City	Lon	Lat	NACEMainEconomicActivityName	Prod	MainIAActivityName
AHLSTROM TURIN	AHLSTROM TURIN SPA	Italy	VIA STURA,98 MATHI	MATHI	7,53972	45,253333	Manufacture of paper and paperboard		Pulp, paper or board production
CARTIERE BURGO S	CARTIERE BURGO S.P.A.	Italy	VIA ROMA,26 VERZUOLC	VERZUOLC	7,48333	44,583333	Manufacture of corrugated paper(board) a		Pulp, paper or board production
Piszkei Papír Rt	Piszkei Papír Rt	Hungary	Lábatlan Rákóczi u. 161.		18,4676	47,756783	Manufacture of paper and paperboard		Pulp, paper or board production
FAVINI SPA - Favini	FAVINI SPA	Italy	VIA IV NOVEMBRE,276 C	MEGNA	8,45444	45,867778	Manufacture of other articles of paper and		Pulp, paper or board production
Åmotfors Bruk	Åmotfors Bruk AB	Sweden	ÅMOTFORS	ÅMOTFOR	12,351	59,757591	Manufacture of paper and paperboard		Pulp, paper or board production
Fabryka Papieru Pi	Fabryka Papieru Piecho	Poland	Tysiclecia 49	Piechowi	15,6	50,85	Manufacture of household & sanitary good		Pulp, paper or board production
CARTIERE DELLA V	CARTIERE DELLA VALTEL	Italy	VIA DEL PROGRESSO,1 T	TIRANO	10,1689	46,216111	Manufacture of paper and paperboard		Pulp, paper or board production
RENO DE MEDICI S	RENO DE MEDICI SPA	Italy	VIA GIACOMO DE MEDIC	MAGENTA	8,83333	45,45	Manufacture of paper and paperboard		Pulp, paper or board production
MONDI PACKAGINI	MONDI PACKAGING	Italy	VIA BARADELLO,15 MON	MONZA	9,23889	45,579444	Manufacture of paper and paperboard		Pulp, paper or board production
CARTIERE PAOLO P	CARTIERE PAOLO PIGNA	Italy	VIA DANIELE PESENTI,1	ALZANO L	9,73333	45,733333	Manufacture of paper and paperboard		Pulp, paper or board production
CARTIERE BURGO S	CARTIERE BURGO S.P.A.	Italy	VIALE POGGIO REALE,9	MANTOV	10,7939	45,175	Manufacture of paper and paperboard		Pulp, paper or board production
Neusiedler Szolno	Neusiedler-Szolnok Pap	Hungary	Dunaújváros Papírgyári		18,9131	46,945866	Manufacture of paper and paperboard		Pulp, paper or board production
Arctic Paper Håfres	Arctic Paper Håfreström	Sweden	ÅSENSBRUK	ÅSENSBRU	12,4272	58,805915	Manufacture of paper and paperboard		Pulp, paper or board production
Dunapack Papír és	Dunapack Papír és Csor	Hungary	Papírgyári út 42-46	Dunaújvá	18,9384	46,925662	Manufacture of corrugated paper(board) a		Pulp, paper or board production
CARTIERE DEL GARI	CARTIERE DEL GARDA SF	Italy	VIALE ROVERETO,15 RIV	RIVA DEL	10,8667	45,883333	Manufacture of paper and paperboard		Pulp, paper or board production
FEDRIGONI CARTIE	FEDRIGONI CARTIERE S.	Italy	VIA NUOVA,2 RIVA DEL	RIVA DEL	10,8394	45,910278	Manufacture of paper and paperboard		Pulp, paper or board production
ARCTIC PAPER KOS	ARCTIC PAPER KOSTRZY	Poland	Fabryczna 1	Kostrzyn	14,6667	52,58333	Manufacture of paper and paperboard		Pulp, paper or board production
CARTIERA DI CADIC	CARTIERA DI CADIDAVIC	Italy	VIA VIA CÀ DI APRILI,43	VERONA	11,0064	45,382778	Manufacture of paper and paperboard		Pulp, paper or board production
FEDRIGONI CARTIE	FEDRIGONI CARTIERE S.	Italy	VIA TOMBETTA,7 VERON	VERONA	10,9788	45,422222	Manufacture of paper and paperboard		Pulp, paper or board production

# Main economic activities representation for each country in E-PRTR





## pulp- and paper mills in Europe from European Pollutant and Transfer Register



### EPRTR

#### NACE Main Economic Activity Name

- ◆ Manufacture of paper and paperboard
- ◆ Manufacture of pulp
- ◆ Manufacture of household & sanitary goods and of toilet requisites
- ◆ Manufacture of pulp, paper and paperboard
- ◆ Manufacture of corrugated paper(board) and of containers of paper(board)
- ◆ Manufacture of pulp, paper and paper products
- ◆ Manufacture of veneer sheets and of plywood and other panels & boards
- ◆ Manufacture of wood & of products of wood & cork and of straw & plaiting...
- ◆ Manufacture of other articles of paper and paperboard n.e.c
- ◆ Management activities of holding companies
- ◆ Manufacture of chemicals, and chemical products
- ◆ Manufacture of other non-metallic mineral products n.e.c
- ◆ Manufacture of wallpaper
- ◆ Other publishing

1 cm = 270 km





# Results

From [www.sawmilldatabase.com](http://www.sawmilldatabase.com)

616 records in total

Among these, 63 sawmills reported as closed

Around 11% of volume records were updated or found (filled gaps)

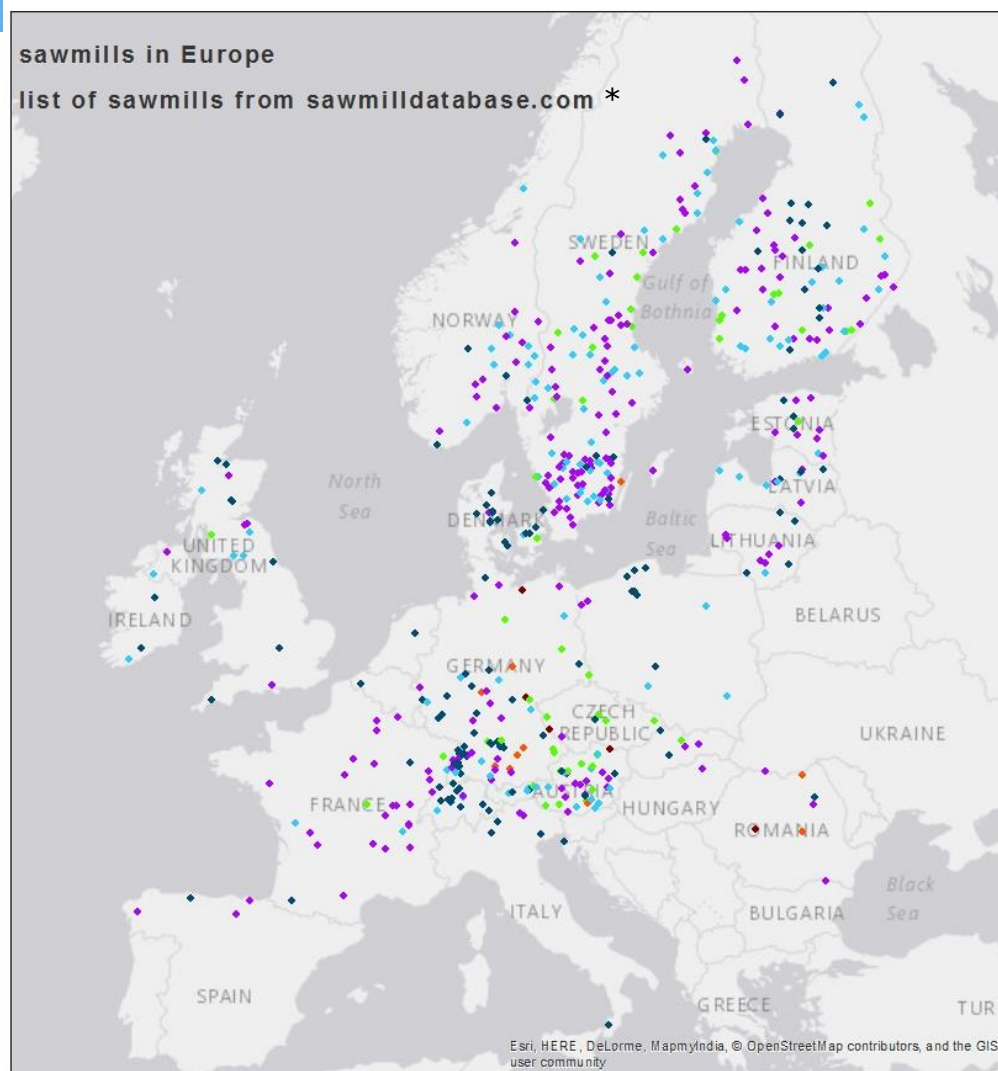
The availability of the information on processing capacity is of 78% (141 unknown of 616).

FacilityName	Country	Address	Long	Lat	Prod_volume_qu	Website	Owner	Remark
Altmünster werk	Austria	Donausäge RUMPLMAYR G	47,8935450	13,7558264	60000	<a href="http://www.rumplmayr.com">http://www.rumplmayr.com</a>	Rumplmayr	
Bad St. Leonhard Sawmill	Austria	Stora Enso Timber, Bad St	46,9758883	14,7798140	390000	<a href="http://www.storaenso.com">http://www.storaenso.com</a>	Stora Enso	
Binderholz GmbH Glulam f	Austria	Tiwagstraße 3 · A-6200 Jer	47,3872588	11,760491	280000			
Brand sawmill	Austria	3531 Brand 44	48,5319041	15,3159285	470000	<a href="http://www.storaenso.com">http://www.storaenso.com</a>	Stora Enso	
Brunner-Stern	Austria	Brunner - Stern Gesellsch	47,9337733	15,5992606	40000	<a href="http://www.brunner-stern.com">http://www.brunner-stern.com</a>	Brunner-Stern	
Egger Döllach	Austria	EGGER HOLZ GMBH Döllach	47,5458879	14,2044539	40000	<a href="http://www.egger.com">http://www.egger.com</a>	EGGER HOLZ	
Enns Rumplmayr	Austria	Donausaenge RUMPLMAYR	48,2316930	14,4990477	375000	<a href="http://www.rumplmayr.com">http://www.rumplmayr.com</a>	Rumplmayr	
Frankenmarkt sawmill MM	Austria	Holzindustrie Stallinger G	47,9819083	13,4152852	400000	<a href="http://www.mayr-melnhof.com">http://www.mayr-melnhof.com</a>	Mayr-Melnhof Holz	
Fügenwerk	Austria	Zillertalstraße 39 Zillertal	47,3407519	11,8551973		<a href="http://www.binderholz.com">http://www.binderholz.com</a>	Binderholz Group	
Amstetten Sawmill	Austria	Amstetten Sawmill, Südl	-	-				The mill is closed
Haeupl sawmill	Austria	HOLZINDUSTRIE THERESIA	-	-			Unknown Sawmill c	The mill is closed
Hutter Sawmill	Austria	HUTTER Sägewerk Hobelw	47,0959132	13,6663984	30000	<a href="http://www.hutter-holz.at/">http://www.hutter-holz.at/</a>	Hutter Sägewerk Ho	
Hutter-Sägewerk GmbH	Austria	Hutterstraße 72, 5582 St. F	47,0959132	13,666398	60000	<a href="http://www.hutter-holz.at/">http://www.hutter-holz.at/</a>		
Imst	Austria	Fabrikstraße 54 A-6460 Im	47,2271885	10,7468771	290000	<a href="http://www.pheifer.com">http://www.pheifer.com</a>	Pheifer Gruppe	cut wood and glulam
Johann Offner Holzindustr	Austria	Neuhäuslweg 5, 9400 Wol	46,8530883	14,8457989	800000	<a href="http://www.offner.com">http://www.offner.com</a>	Offner Holzindustri	
Kaml & Huber Sägewerk	Austria	Holzindustrie Kaml & Hub	47,5142326	14,4299354	60000	<a href="http://www.kaml.com">http://www.kaml.com</a>	Kaml & Huber	
Kern KG Sägewerk	Austria	K. u. P. Kern KG Sawmills,	47,4509099	15,8288225	60000	<a href="http://www.kern.com">http://www.kern.com</a>	Kern KG	
Kirchner	Austria	KIRCHNER GMBH SÄGE- U	47,3815357	13,4699271	60000	<a href="http://www.kirchner.com">http://www.kirchner.com</a>	KIRCHNER GMBH	
Kirnbauer Priggwitz	Austria	Franz Kirnbauer Gasteil 9	47,7198471	15,9461647	32000	<a href="http://www.kirnbauer.com">http://www.kirnbauer.com</a>	Kirnbauer	
Klausbauer	Austria	Mooslandl 53, 8921 Landl,	47,6526973	14,7615459	70000	<a href="http://www.klausbauer.com">http://www.klausbauer.com</a>	Klausbauer GmbH	



### sawmills in Europe

list of sawmills from sawmilldatabase.com \*



\* Only active plants and with coordinates are displayed 1 cm = 280 km

#### production volume (m3/year)

- ◆ no data
- ◆ <100 000
- ◆ 100 001 - 300 000
- ◆ 300 001 - 600 000
- ◆ 600 001 - 1 000 000
- ◆ 1 000 001 - 1 700 000





# Results

## 3. From panoramafirm.pl/tartaki

Scarce information on processing power was very common for plants in Poland



Facilityname	ParentCompanyName	Address	voivoidship	Long	Lat	Prod_volume_quantity	Website	Remark
Łąccy-Kołczygł	Łąccy-Kołczygłowy Sp. z o.o.	Barnowo	pomorskie	54,239	17,24	40000 for all three sawmills	http://www.engineered	
Stolarstwo, tartak	Stol-Trak sp.j.	46-070 Polopolskie	polopolskie	50,638	17,81	<Null>	http://tartak	<Null>
Tartak OLCZYK	<Null>	Świdno 1, swietokrzyskie	swietokrzyskie	50,915	20,1	<Null>	http://www	<Null>
Trak-Dol. Eleme	<Null>	73-115 Do zachodniopom	zachodniopom	53,188	15,2	<Null>	<Null>	<Null>
Zakład przerobu	<Null>	1 Armii W swietokrzyskie	swietokrzyskie	<Null>	<Null>	<Null>	http://www	<Null>
Tartak ISKRA	<Null>	56-500 Drc dolnoslaskie	dolnoslaskie	51,335	17,6	<Null>	http://tartak	<Null>
Tartak-Tuczno S	<Null>	Wolności zachodniopom	zachodniopom	53,197	16,16	<Null>	http://www	<Null>
Konar. PHU. Tar	<Null>	Wojska P podlaskie	podlaskie	52,642	23,03	<Null>	http://tartak	<Null>
Inplast. PPH. Mi	<Null>	Wojska P mazowieckie	mazowieckie	52,402	19,73	<Null>	<Null>	<Null>
Michalski Bogda	<Null>	64-005 Rac wielkopolskie	wielkopolskie	52,056	16,71	<Null>	<Null>	<Null>
Ecowood Polska	<Null>	Dworcowa wielkopolskie	wielkopolskie	52,535	16,83	<Null>	http://www	<Null>
Tartak Izbica	<Null>	Warszaws kujawsko-pom	kujawsko-pom	52,418	18,77	<Null>	http://tartak	<Null>
Tartak Lulkowo	<Null>	Lulkowo 4 kujawsko-pom	kujawsko-pom	53,09	18,59	<Null>	http://www	<Null>
Zakład Produkcji	<Null>	Trzebina 1 opolskie	opolskie	50,291	17,6	<Null>	http://www	<Null>
Parkiet Hintersee	Parkett Hinterseer GmbH	Porażyn T swietokrzyskie	swietokrzyskie	52,301	16,29	<Null>	http://parki	<Null>
Tartak "KORA"	<Null>	Biadoliny malopolskie	malopolskie	50,003	20,74	<Null>	http://kora-	wooden play
Wood-Mizer Inc	Wood Mitzer Europe	Nagórna 1 wielkopolskie	wielkopolskie	52,208	18,66	<Null>	<Null>	<Null>
Kronospan Szcz	<Null>	Ludwika V zachodniopom	zachodniopom	53,694	16,71	<Null>	http://pl.krc	produces sp
Stelmet SA Woc	Stelmet	Gorzowski lubuskie	lubuskie	51,959	15,55	<Null>	https://www	there are tw
Stelmet SA Woc	Stelmet	Jeleniów lubuskie	lubuskie	51,848	15,46	<Null>	https://www	This plant m
Stelmet SA Woc	Stelmet	67-100 Luł lubuskie	lubuskie	51,89	15,87	<Null>	https://www	This plant m





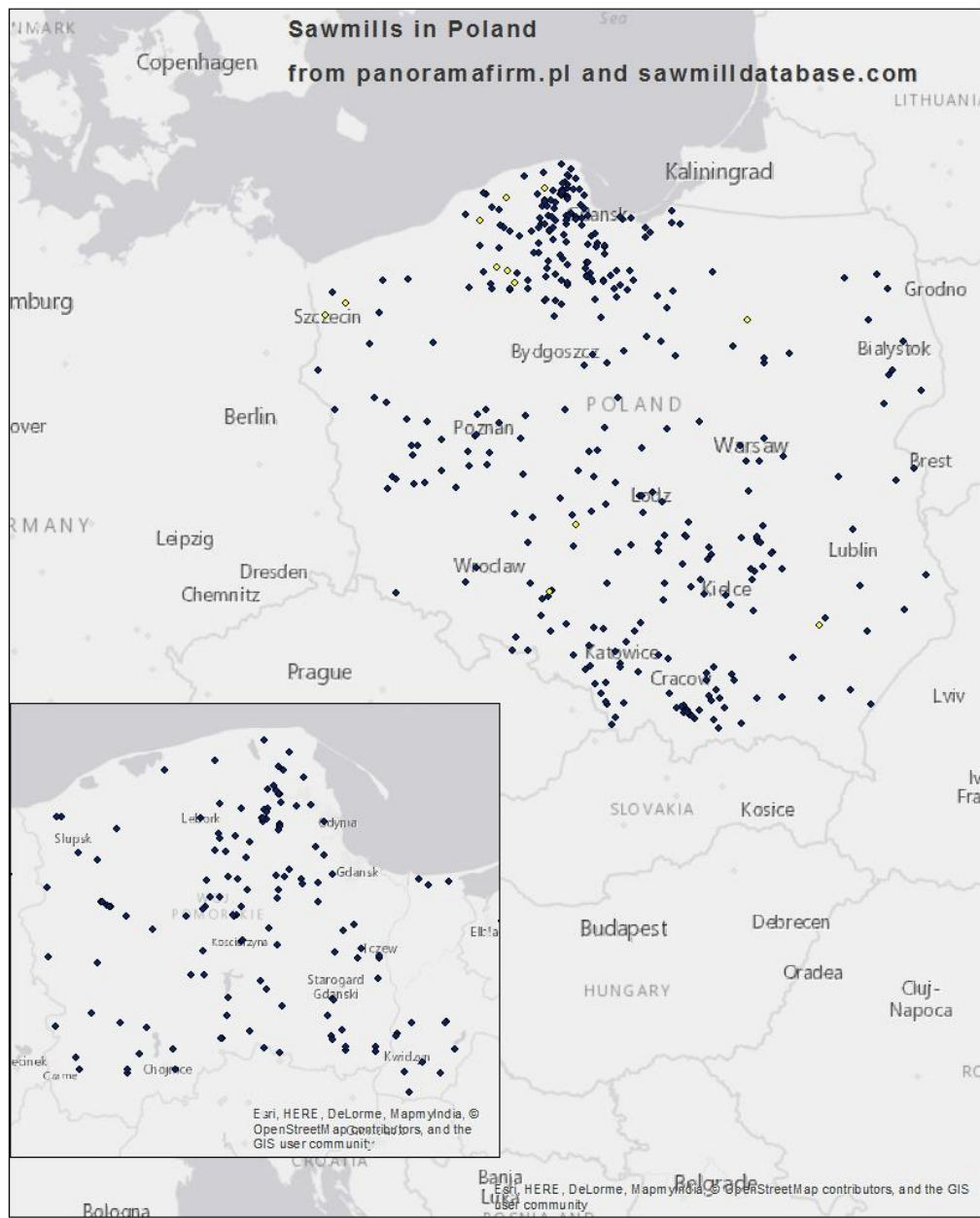
# Results

From [www.paperonweb.com](http://www.paperonweb.com)  
pulp producers

Not all plants use wood as raw material !

country name	paperonweb.com - pulp producers
Portugal	4
Estonia	1
UK	1
Sweden	2
Finland	5
Italy	7
France	5
Austria	3
Germany	2
Spain	1
Bulgaria	1

FacilityName	ParentCompany	Country	Address	Long	Lat	ActivityName	Prod	Website	Remark
Fibre excellence		France	ZA, Chemin des Rab	43,43813	1,5657	pulp manufacture		<a href="http://www.fil">http://www.fil</a>	bleached softwood an
Lenzing		Austria	4860 Lenzing, Austri	47,978821	13,614	pulp manufactur	550000	<a href="http://www.le">http://www.le</a>	. 252,000 t pa fibers 29'
Rosenthal	Mercer	Germany	Zellstoff- und Papie	50,407115	11,707	pulp manufactur	360000	<a href="https://mercer">https://mercer</a>	annual <b>NBSK</b> pulp capa
Metsä Fibre Oy A	Metsä Fibre Oy	Finland	Sarvelantie 1, 44100	62,591021	25,751	pulp manufactur	530000	<a href="http://www.m">http://www.m</a>	Capacity: 530,000 t/a of
Metsä Fibre Rauri	Metsä Fibre Oy	Finland	Metsä Fibre Oy Rauri	61,110201	21,463	pulp manufactur	650000	<a href="http://www.m">http://www.m</a>	Capacity: 650,000 t/a of
Metsä Fibre Oy K	Metsä Fibre Oy	Finland	Metsä Fibre Oy Kem	65,755929	24,519	pulp manufactur	620000	<a href="http://www.m">http://www.m</a>	Capacity: 620,000 t/a of
Metsä Fibre Oy J	Metsä Fibre Oy	Finland	Metsä Fibre Oy Jout	61,128106	28,444	pulp manufactur	690000	<a href="http://www.m">http://www.m</a>	Capacity: 690,000 t/a of
Munksjö Arches	Munksjö	France	Munksjö Arches SAS	48,115149	6,5375	pulp manufacture		<a href="http://www.m">http://www.m</a>	Products: Decor paper,
Munksjö Detting	Munksjö	Germany	Munksjö Dettingen	48,516173	9,3599	pulp manufacture		<a href="http://www.m">http://www.m</a>	Products: Decor paper,
Munksjö La Gère	Munksjö	France	Munksjö La Gère S.A.S, Usine de La Gère			pulp manufacture		<a href="http://www.m">http://www.m</a>	Products: Acti-V® Supe
Munksjö Rotters	Munksjö	France	Munksjö RottersacU	44,833848	0,7106	pulp manufacture		<a href="http://www.m">http://www.m</a>	Products: Uncoated, tr
Munksjö Stenay	Munksjö	France	Munksjö Stenay Usin	49,495408	5,1716	pulp manufacture		<a href="http://www.m">http://www.m</a>	Products: Products: Or
Munksjö Paper T	Munksjö	Spain	Munksjö Paper S.A.	43,14271	-2,016	pulp manufacture		<a href="http://www.m">http://www.m</a>	Product: Decor paper



- ◆ from sawmilldatabase.com
- ◆ from panoramafirm.pl

1 centimeter = 80 kilometers



author: Paulina zieniuk EFI





# Results

## summary

All Europe:

522 pulp- and papermills\*

**978 = 2 % of estimated amount of sawmills in Europe in the database (after EOS)**

Poland:

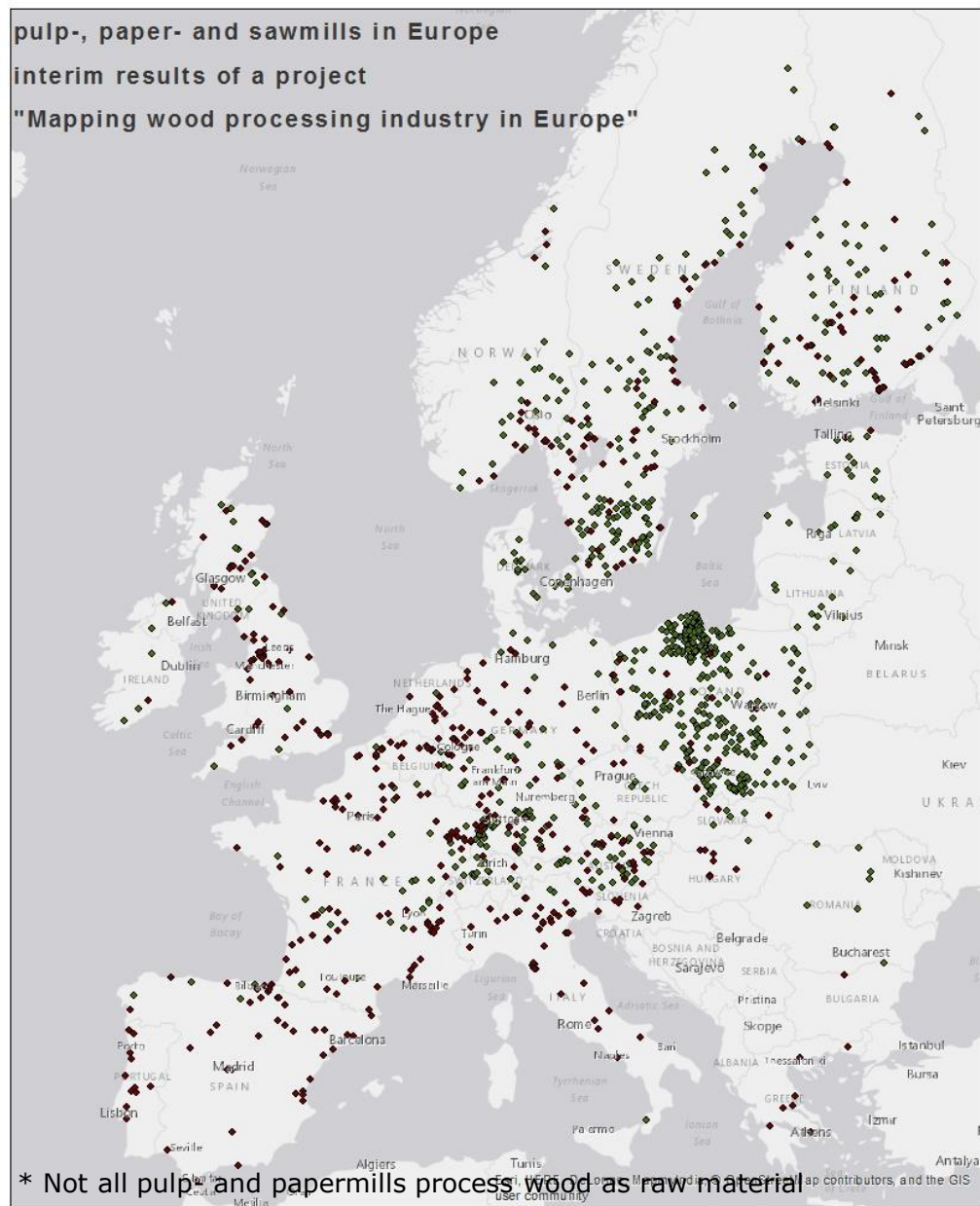
**374 sawmills = 6% of estimated amount of sawmills in Europe in the database (after The Polish Economic Chamber of Wood Industry)**

16 pulp- and paper mills\*

\* Not all pulp- and papermills process wood as raw material



pulp-, paper- and sawmills in Europe  
 interim results of a project  
 "Mapping wood processing industry in Europe"



\* Not all pulp- and papermills process wood as raw material

**Legend**

- paper- or/and pulp mill
- sawmill

The map does not include closed sawmills 1 cm = 250 km





# Discussion

## Summary of work

### **Search for sawmills, papermills and pulpmills in Europe data**

Lack of already freely existing database in suitable format  
= a lot of mechanical work to collect the data needed

Requests resulted in offering data in pdf format, and still very incomplete...  
Associations on national or regional level claim not to have such database at all

There is a need and interest in a complete database of wood industry in Europe  
Who will create it ?



# Discussion

Processing capacity can be measured and reported in various ways, including:

- Design capacity - the maximum output that can possibly be attained.
- Actual output - output actually achieved. It cannot exceed design capacity and is often less than design capacity because of machinery breakdowns, employee absenteeism, defective output, shortage of materials, and other problems outside the control of management<sup>2</sup>

<sup>2</sup> Stevenson W. J., Production and operations Management, 1999

## The need for the standardisation of information

The yearly cutting capacity in a four-shift operation is approximately 310 000 m<sup>3</sup> of logs. The plant consists of four basic production sections: debarking and cutting timber, drying, storage and shipping of timber. The logs are sawn using two band saws with the

important was all new sawline, capable to handle and saw efficiently logs from 12 cm thind end up to 40 cm. In 2016 annual capacity will grow to over 150 000 m<sup>3</sup> of sawn timber in two working shifts.

just-in-time system of production, and by using state-of-the-art equipment we can produce the products required quickly and accurately, both for our customers as well as for further processing in-house. **With a cutting volume of 350,000 solid cubic metres**, we rank amongst the leading sawmills in Austria.



# Discussion

Paper mills and pulp mills – what is the origin of the material (recycled, non-wood fibers) ?

How many shifts ? -> Double shifts do not necessarily double the design mill capacity

Sawmill design option – stationary/portable

What about idle/closed mills ?

Countries with small sawmill ownership structure (Poland) – how to get the processing volume and other data easily?

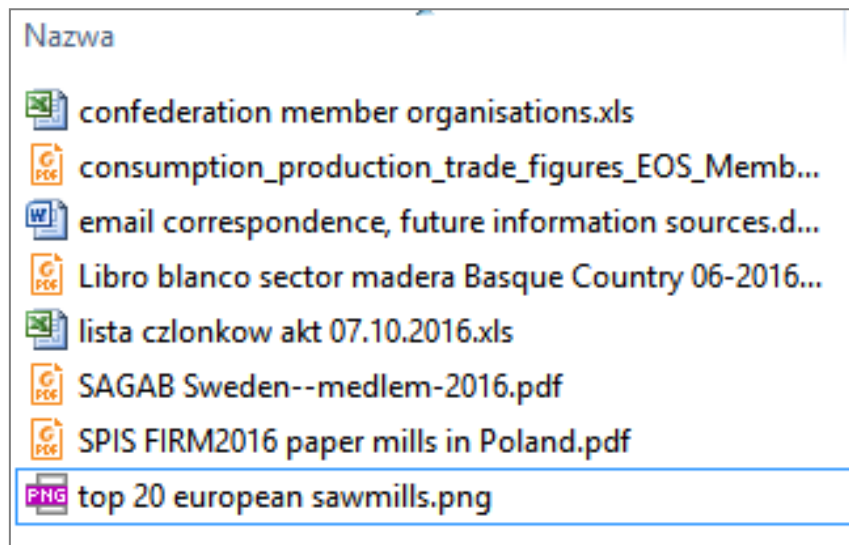


Source : <http://www.recyclingtoday.com/article/pratt-recycled-paper-mill-valparaiso/>



# Discussion Prospects

Files to be explored waiting for the next volunteer



Open source online database to be created ?





# Thank you for your attention