Cepi Historic Statistics 1991 - 2024

Introduction

The Confederation of European Paper Industries

Cepi was founded in 1992 and historic statistics cover the period 1991 – 2024. Cepi represents 90% of the European pulp and paper industry in terms of production (Europe minus Russian Federation). The pulp and paper industry provides 174 000 jobs in Europe directly, has a turnover of 95 billion euros and adds 21 billion euros to the EU GDP.

The Confederation of European Paper Industries (Cepi) is a Brussels-based non-profit making organisation, which represents the European pulp and paper industry towards the European Institutions. Through its member associations, Cepi also represents approximately 470 pulp, paper and board producing companies across Europe, ranging from small and medium-sized enterprises, to multinationals (counting companies with a presence in more than one Cepi country only once).

Since the 1st January 2024, EVICHE, the Union of Greek Paper Mills, is member of Cepi. Historic data included in this report has been updated to include figures from the Greek Paper and Board industry.

Tissue Paper : as of 1 January 2025, the paper category “Sanitary and Household” becomes “Tissue Paper”, resulting from a joint Cepi and European Tissue Symposium (ETS) decision to ensure a more consistent and accurate approach to data collection and sector recognition.

Members of Cepi in 2024

Austria	Belgium	Czech Republic	Finland
France	Germany	Greece	Hungary
Italy	Netherlands	Norway	Poland
Portugal	Romania	Slovakia	Slovenia
Spain	Sweden	United Kingdom	

Methodology and Consistency

The Statistics included in this report are a compilation of the data received annually from the National Associations, which are Members of Cepi, under the control of the Cepi Statistics Network.
In many cases, figures for previous years have been revised and therefore differ from those reported in the previous edition.
Some additional sources have been used when necessary and relevant, such as Eurostat, TDM (Trade Data Monitor) and Fastmarkets.
The figures of each new Cepi country are included in the series back to 1991, in order to keep consistency in the total Cepi numbers.
Notes and definitions related to the terms and sources used in this report can be found on pages 78 to 89.

Data Quality



Responsibility for the collection and the management of the statistical data lies with the Cepi statistics department, which is constantly working to improve the quality of the data reported. In order to further increase the reliability and credibility of the data reported, Cepi has commissioned Deloitte to issue a limited assurance statement on the data quality rating that Cepi carried out on its core indicators in the statistics report.
The detailed data quality rating and the limited assurance statement are available on http://www.Cepi.org/statistics

More Information

More statistics reports (annual, quarterly and monthly) are available by subscription:
- Please visit our website https://www.cepi.org/statistics-order-form/
- Or contact Ariane Crèvecoeur - Statistics Manager - a.crevecoeur@Cepi.org

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Cepi Historic Statistics 1991 - 2024

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Cepi Pulp and Paper Industry*

	1991	1995	2000	2005	2010	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	% Chge vs. 2023	% Chge vs. 2020
Industry Structure																	
Number of Companies[1]																	
Number of Mills																	
Pulp Mills																	
Paper & Board Mills																	
Number of Machines																	
Employment ('000 employees)																	
Turnover[2] (Million €)																	
Investments[2] (Million €)																	
Added Value[2] (Million €)																	
Total Pulp[3] ('000 Tonnes)																	
Production Capacity																	
Operating Rate																	
Production																	
Consumption (Apparent)																	
Market Pulp ('000 Tonnes)																	
Production																	
Exports to outside Cepi																	
Imports from outside Cepi																	
Trade Balance[4]																	
Consumption (Apparent)																	
Exports / Production																	
Imports / Consumption																	
Performance of Cepi Countries																	
Total Pulp Production																	
Total Pulp Consumption																	
Utilisation of Paper for Recycling																	
Paper and Board Production																	
Paper and Board Consumption																	

Key Figures

Cepi Pulp and Paper Industry*

	1991	1995	2000	2005	2010	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	% Chge vs. 2023	% Chge vs. 2020
Paper & Board ('000 Tonnes)																	
Production Capacity																	
Operating Rate																	
Production																	
Exports to outside Cepi																	
Imports from outside Cepi																	
Trade Balance[4]																	
Consumption (Apparent)																	
Exports / Production																	
Imports / Consumption																	
Wood ('000 m³)																	
Consumption																	
Hardwood																	
Softwood																	
Imports / Consumption																	
Paper for Recycling ('000 Tonnes)																	
Collection																	
Utilisation																	
Exports to outside Cepi																	
Imports from outside Cepi																	
Trade Balance[4]																	
Utilisation Rate																	
Exports / Collection																	
Imports / Utilisation																	
Recycling Rate in Europe[5]																	
Recycling Rate																	

Key Figures

Cepi Pulp and Paper Industry*

	1991	1995	2000	2005	2010	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	% Chge vs. 2023	% Chge vs. 2020
Non-Fibrous Materials ('000 Tonnes)																	
Consumption																	
Energy and Environment[6]																	
Fuels Consumption ('000 TJ)																	
Of which Biomass Use (%)																	
Total Primary Energy Consumption ('000 TJ)																	
Specific Primary Energy Consumption (TJ/kt)																	
Electricity Consumption ('000 GWh)																	
Specific Electricity Consumption (MWh/kt)																	
% of Electricity produced through CHP[7]																	
CO_2 Direct Emissions (Mega Tonnes)																	
Specific CO2 Emissions (kt CO_2 / kt of product)																	

** See Definitions on pages 77 to 91.*

[1] 470 groups or corporations in 2024, when considering the entities established in one or several countries that are not bound together by legal and/or financial links.

[2] 2023 and 2024 figures have been estimated by Cepi based on several sources.

[3] Total Pulp = Integrated Pulp + Market Pulp

[4] Trade balance with countries outside Cepi.

[5] EU-27 countries plus Norway, Switzerland and the United Kingdom. Recycling rate in 2024: see note page 52.

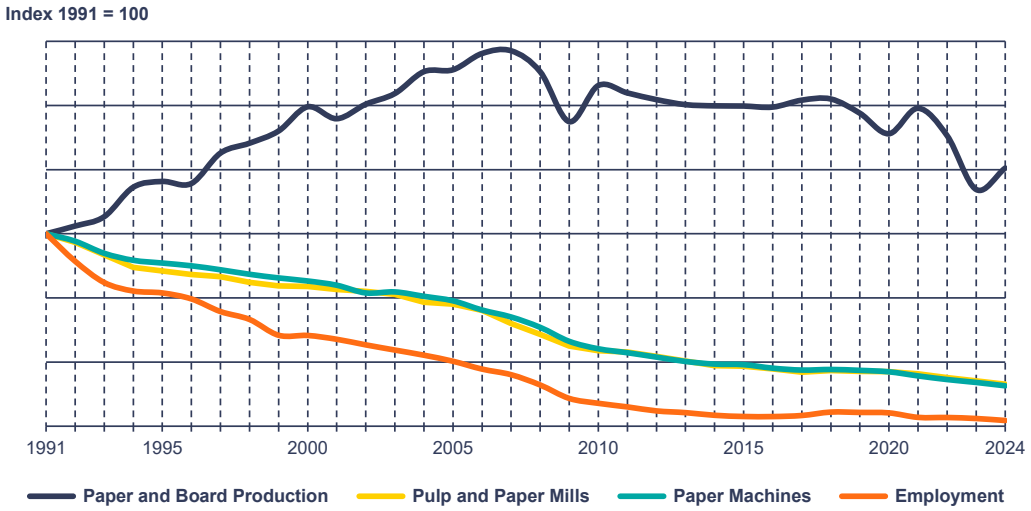
[6] Hungary, Greece, Romania and Slovenia are not included in Energy data, except for CO_2 emissions.

[7] CHP = Combined Heat & Power - Compared to total on-site electricity generation.

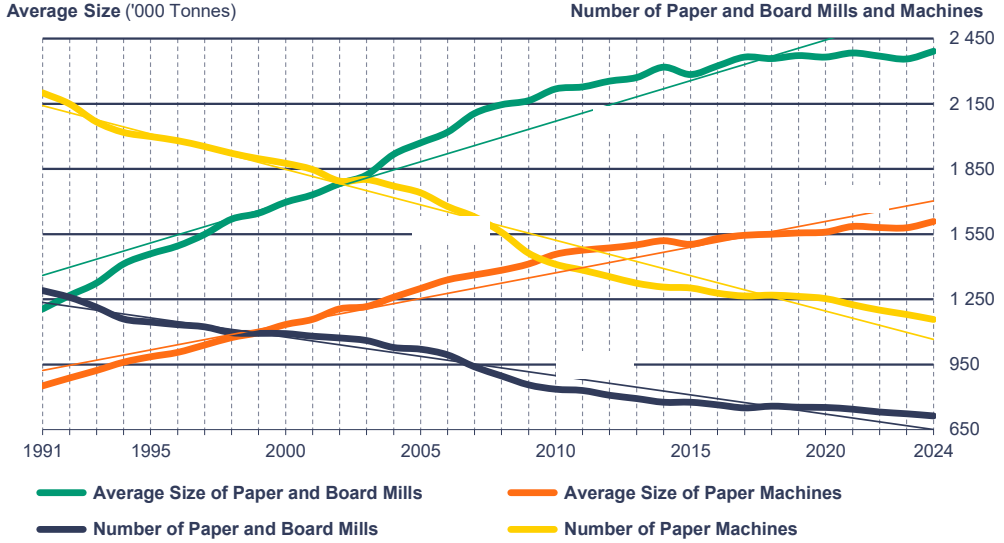
Pulp and Paper Industry Structure

Mills and Machines

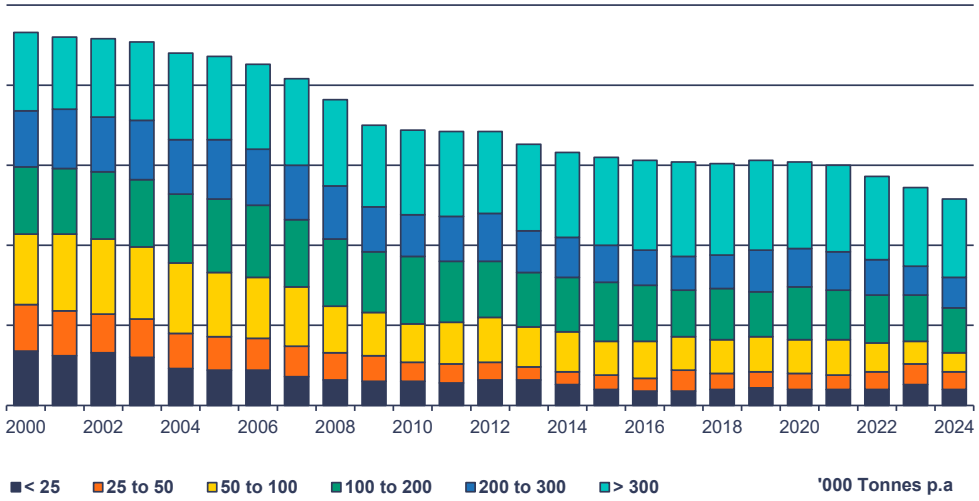
Indices of the Pulp and Paper Industry



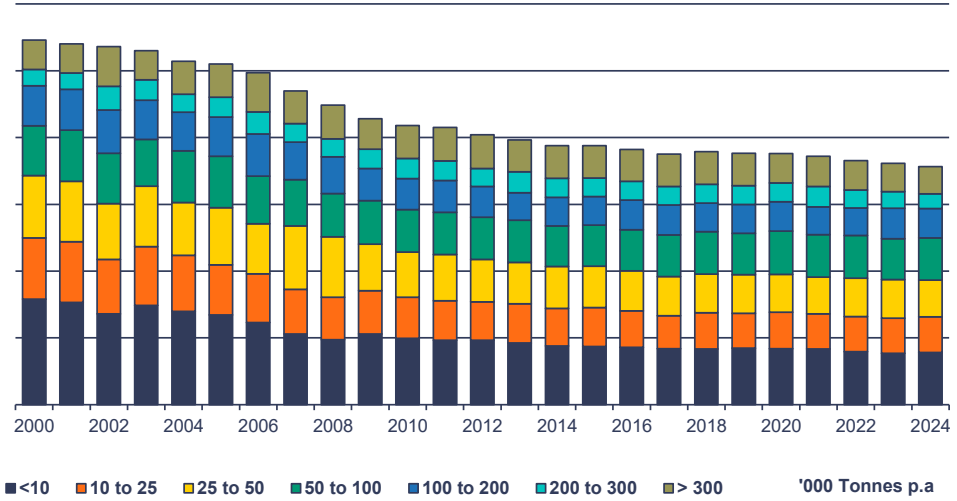
Average Size by Paper and Board Mill and Machine (Capacity)



Number of Pulp Mills by Volume



Number of Paper and Board Mills by Volume



Number of Pulp Mills

	1991	1995	2000	2005	2010	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Chge vs. 2023	% Share of Total
Austria																	
Belgium																	
Czech Republic																	
Finland																	
France																	
Germany																	
Greece																	
Hungary																	
Italy																	
Netherlands																	
Norway																	
Poland																	
Portugal																	
Romania																	
Slovak Republic																	
Slovenia																	
Spain																	
Sweden																	
United Kingdom																	
Total Cepi																	

Number of Paper and Board Mills

	1991	1995	2000	2005	2010	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Chge vs. 2023	% Share of Total
Austria																	
Belgium																	
Czech Republic																	
Finland																	
France																	
Germany																	
Greece																	
Hungary																	
Italy																	
Netherlands																	
Norway																	
Poland																	
Portugal																	
Romania																	
Slovak Republic																	
Slovenia																	
Spain																	
Sweden																	
United Kingdom																	
Total Cepi																	

Pulp and Paper Industry Structure

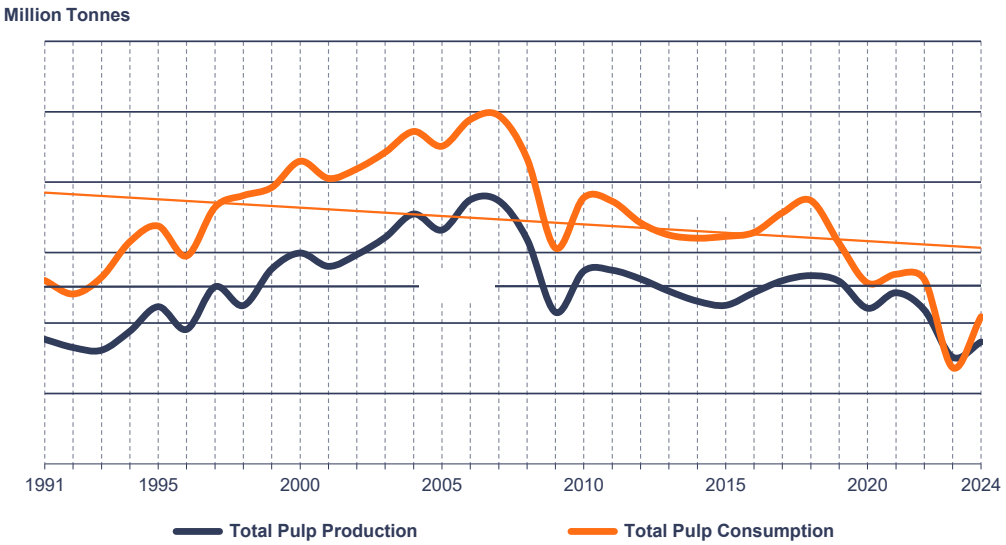
Employment

Employment

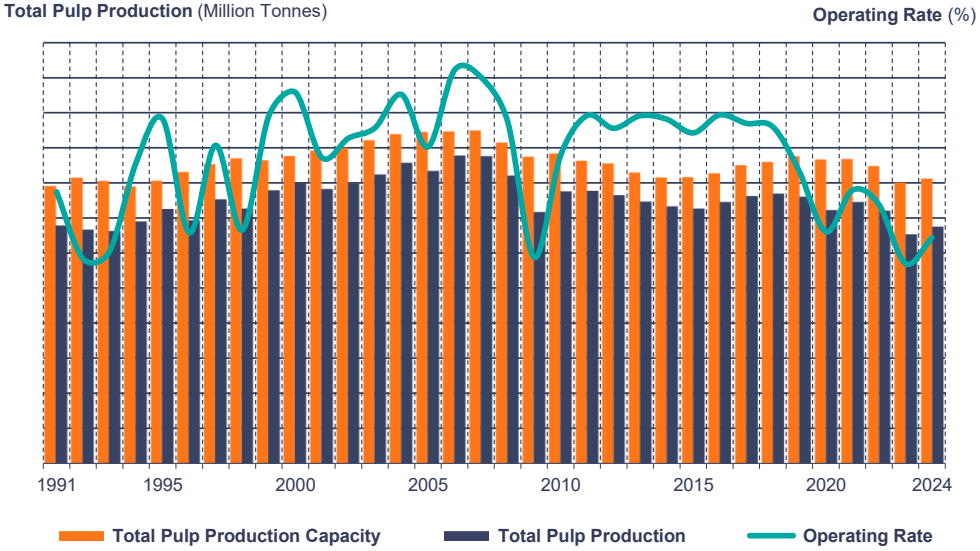
'000 Employees	1991	1995	2000	2005	2010	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	% Chge vs. 2023	% Share of Total
Austria																	
Belgium																	
Czech Republic																	
Finland																	
France																	
Germany																	
Greece																	
Hungary																	
Italy																	
Netherlands																	
Norway																	
Poland																	
Portugal																	
Romania																	
Slovakia																	
Slovenia																	
Spain																	
Sweden																	
United Kingdom																	
Total Cepi																	

n.a. *: Figures have been estimated by Cepi and included in the "Total Cepi" numbers.*

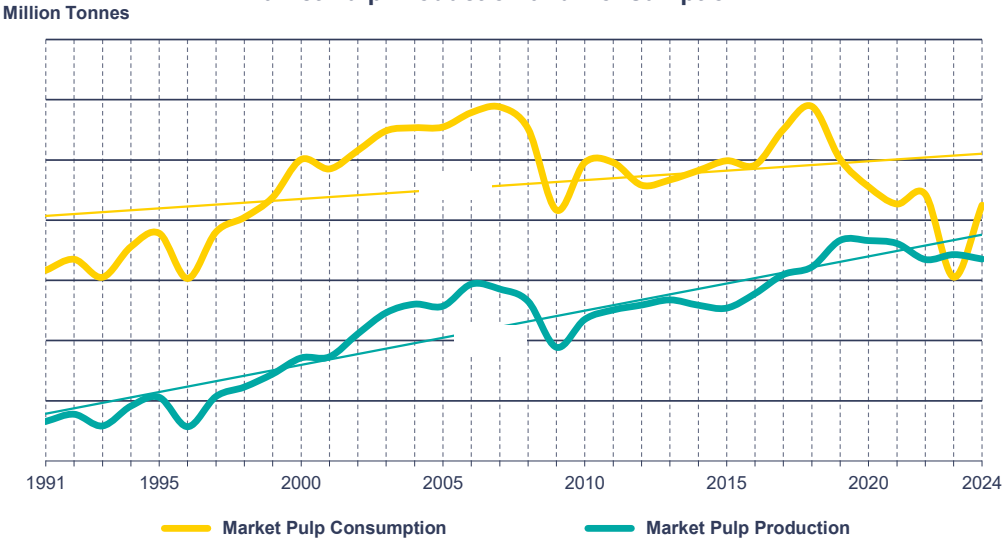
Total Pulp[1] Production and Consumption



Total Pulp[1] Production and Capacity

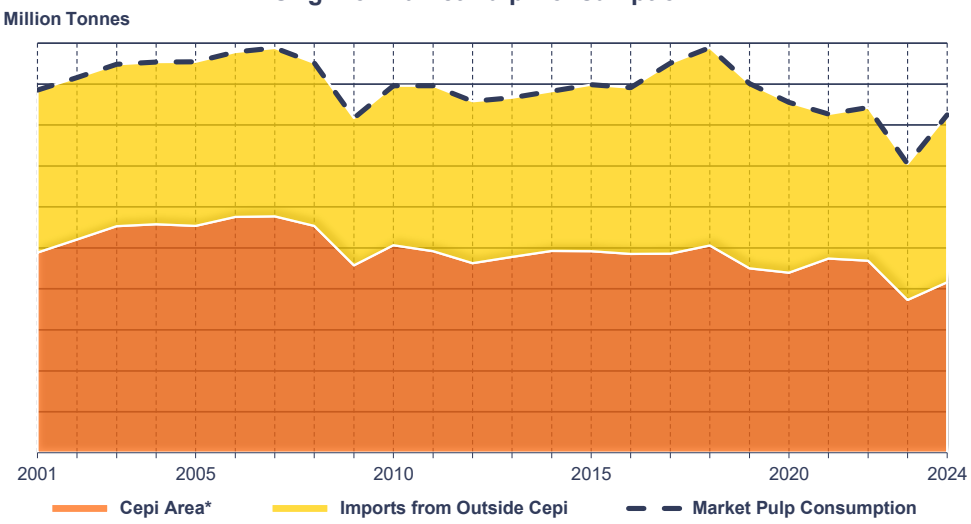


Market Pulp Production and Consumption



[1] ***Total Pulp*** *= market pulp + integrated pulp*

Origin of Market Pulp Consumption

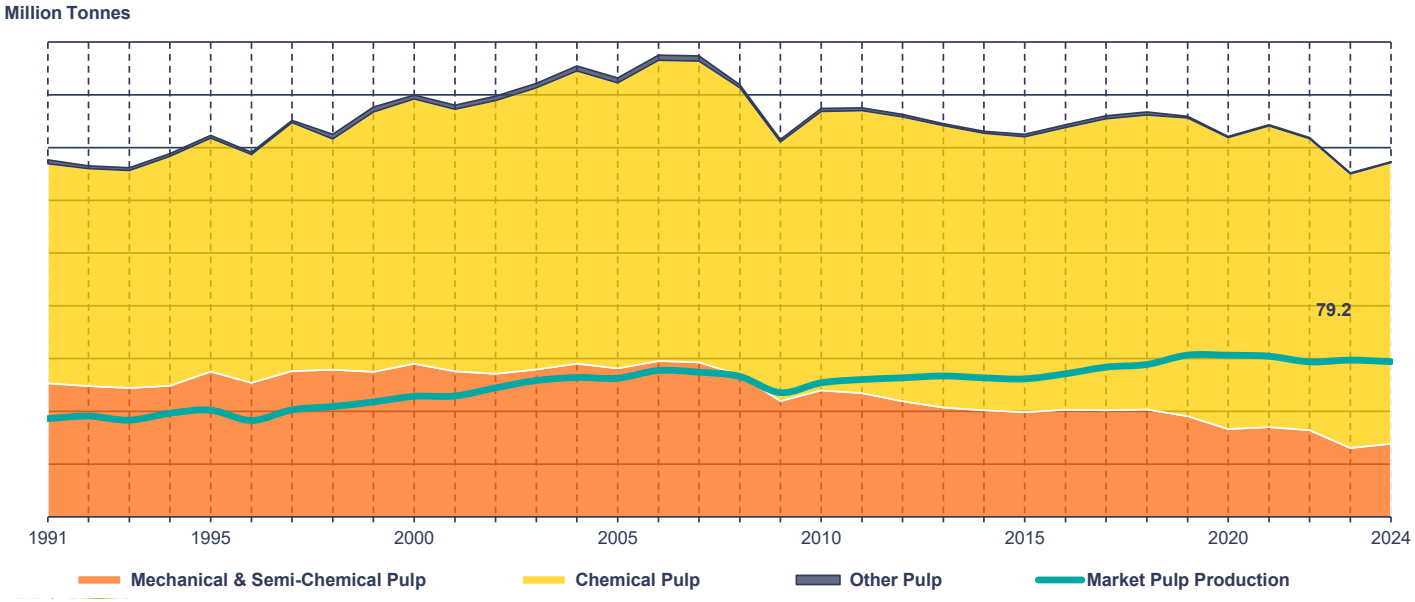


Cepi Area *= market pulp production - exports to outside Cepi*

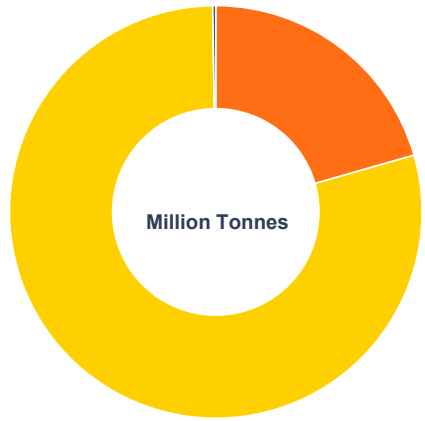
Total Pulp[1] Production by Grade

'000 Tonnes	1991	1995	2000	2005	2010	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	% Chge vs. 2023	% Share of Total
Mechanical & Semi-Chemical Pulp																	
Sulphite Pulp																	
Sulphate Pulp																	
Chemical Pulp																	
Other Pulp																	
Total Pulp																	

Total Pulp[1] Production by Grade



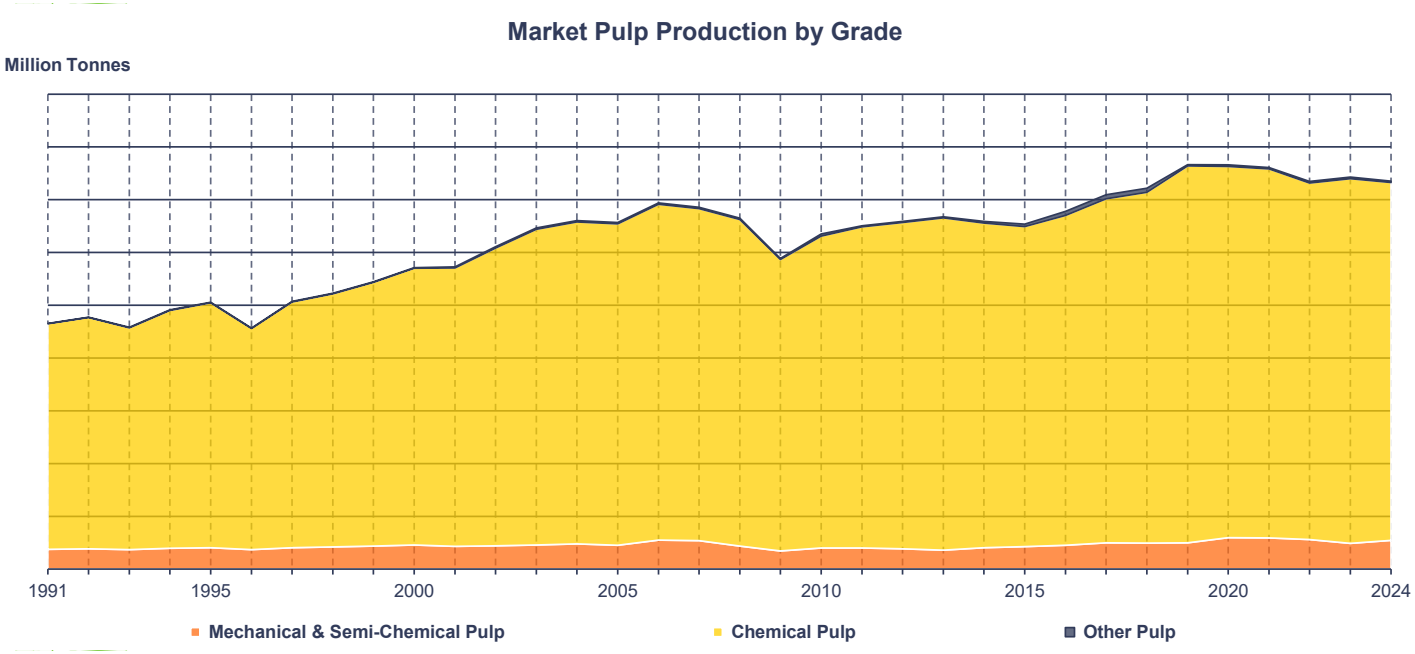
Total Pulp[1] Production by Grade in 2024

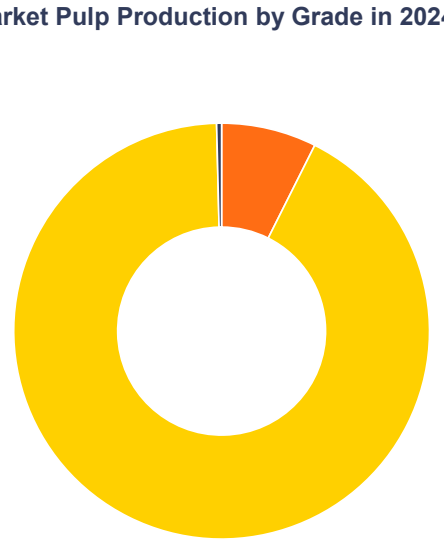


[1] ***Total Pulp*** *= market pulp + integrated pulp*

Market Pulp Production by Grade

'000 Tonnes	1991	1995	2000	2005	2010	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	% Chge vs. 2023	% Share of Total
Mechanical & Semi-Chemical Pulp																	
Chemical Pulp																	
Other Pulp																	
Total Pulp																	





Total Pulp[1] Production by Country

'000 Tonnes	1991	1995	2000	2005	2010	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	% Chge vs. 2023	% Share of Total
Austria																	
Finland																	
France																	
Germany																	
Norway																	
Poland																	
Portugal																	
Spain																	
Sweden																	
Other Cepi Countries																	
Total Cepi																	

.....of which Market Pulp

Total Cepi																	

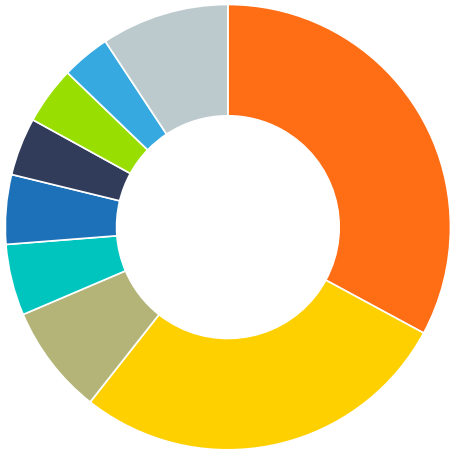
[1] ***Total Pulp*** *= market pulp + integrated pulp*

Other Cepi Countries: include countries members of Cepi, that are not included in the table

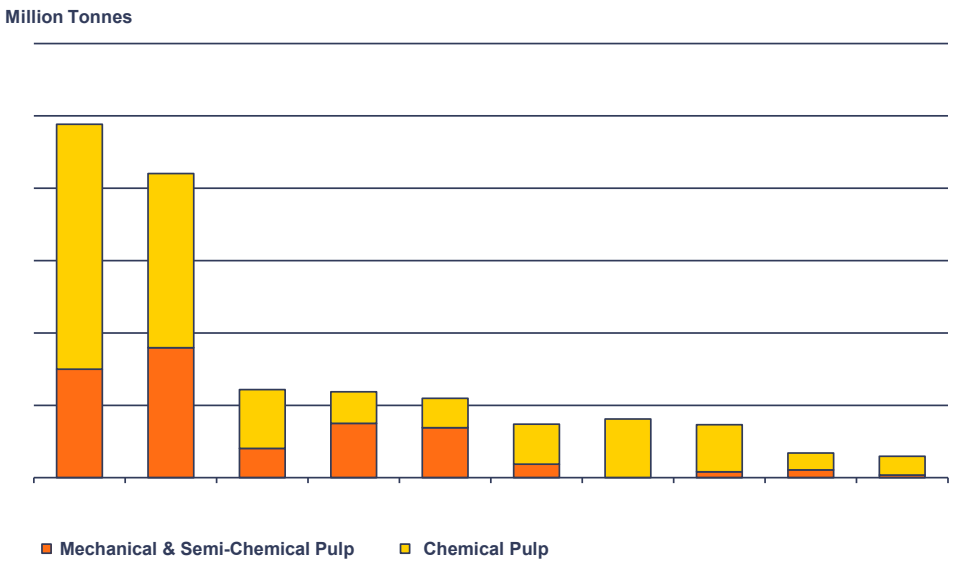
Total Pulp[1] Production by Country in 1991



Total Pulp[1] Production by Country in 2024

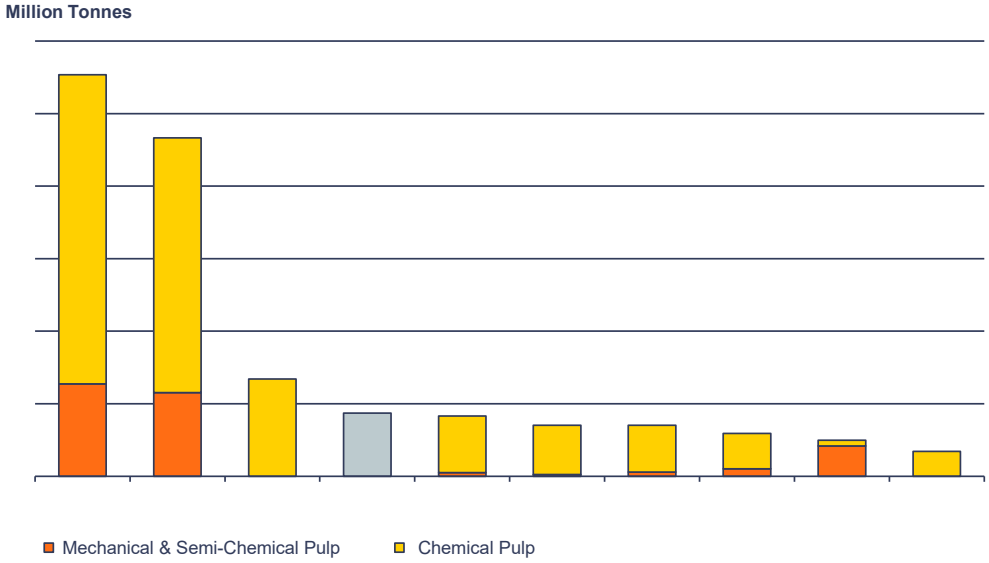


Total Pulp[1] Production by Grade and by Country in 1991



[1] ***Total Pulp*** *= market pulp + integrated pulp*

Total Pulp[1] Production by Grade and by Country in 2024



*** ***Germany*** *: chemical + mechanical pulp*

Mechanical and Semi-Chemical Pulp Production

'000 Tonnes	1991	1995	2000	2005	2010	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	% Chge vs. 2023	% Share of Total
Austria																	
Finland																	
Portugal																	
Sweden																	
Other Cepi Countries																	
Total Cepi																	

Chemical and Other Pulp[1] Production

'000 Tonnes	1991	1995	2000	2005	2010	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	% Chge vs. 2023	% Share of Total
Austria																	
Finland																	
Portugal																	
Sweden																	
Other Cepi Countries																	
Total Cepi																	

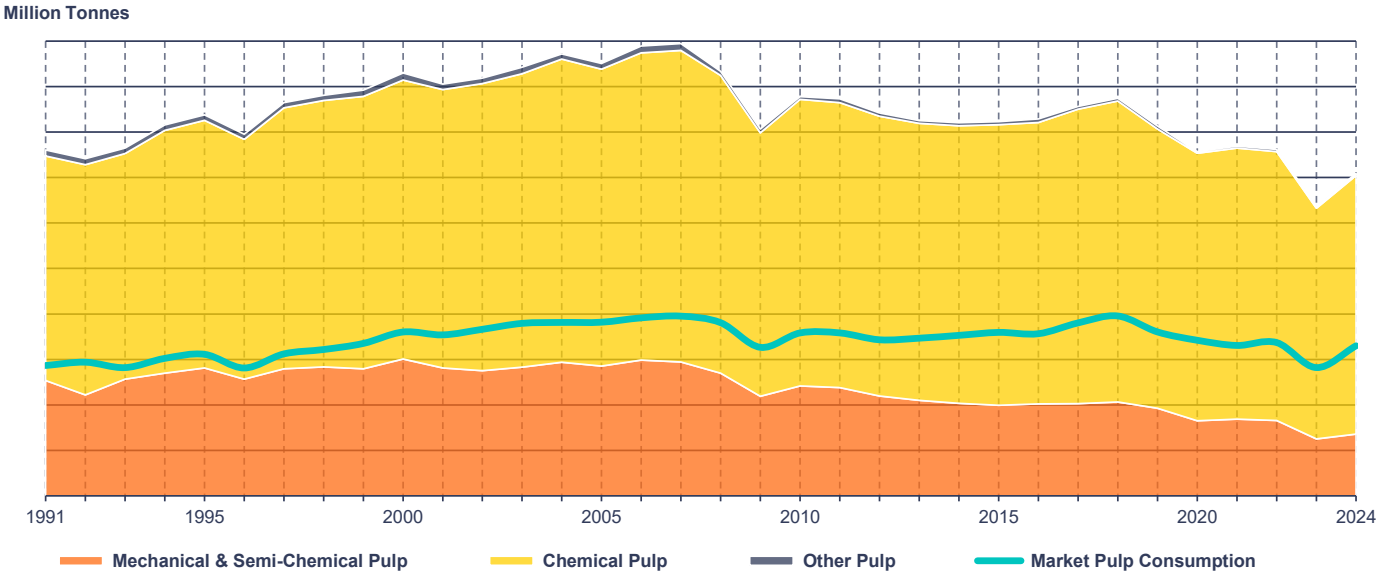
[1] ***Other Pulp:*** *Pulp produced from fibres other than wood, such as sugar cane bagasse, wheat straw, kenaf, cotton rags and hemp.*

Other Cepi Countries: include countries members of Cepi, that are not included in the table

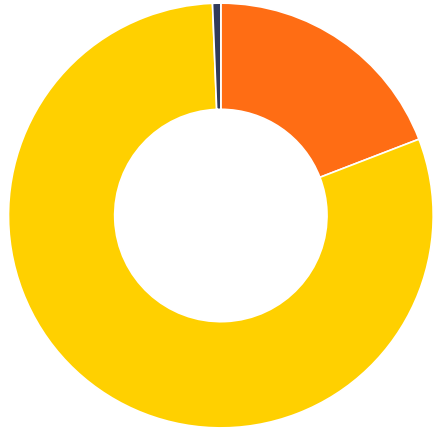
Total Pulp[1] Consumption[2] by Grade

'000 Tonnes	1991	1995	2000	2005	2010	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	% Chge vs. 2023	% Share of Total
Mechanical & Semi-Chemical Pulp																	
Sulphite Pulp																	
Sulphate Pulp																	
Chemical Pulp																	
Other Pulp																	
Total Pulp																	

Total Pulp[1] Consumption by Grade



Total Pulp[1] Consumption by Grade in 2024



[1] ***Total Pulp*** *= market pulp + integrated pulp*

[2] ***Pulp Consumption*** *= production + imports - exports*

Total Pulp[1] Consumption[2] by Country

'000 Tonnes	1991	1995	2000	2005	2010	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	% Chge vs. 2023	% Share of Total
Austria																	
Finland																	
France																	
Germany																	
Norway																	
Poland																	
Portugal																	
Spain																	
Sweden																	
Other Cepi Countries																	
Total Cepi[3]																	

.....of which Market Pulp

Total Cepi																	

[1] ***Total Pulp*** *= market pulp + integrated pulp*

[2] ***Pulp Consumption*** *= production + imports - exports*

[3] ***Pulp Consumption*** *for total Cepi is calculated with total exports to outside Cepi and total imports from outside Cepi.*

Other Cepi Countries: include countries members of Cepi, that are not included in the table

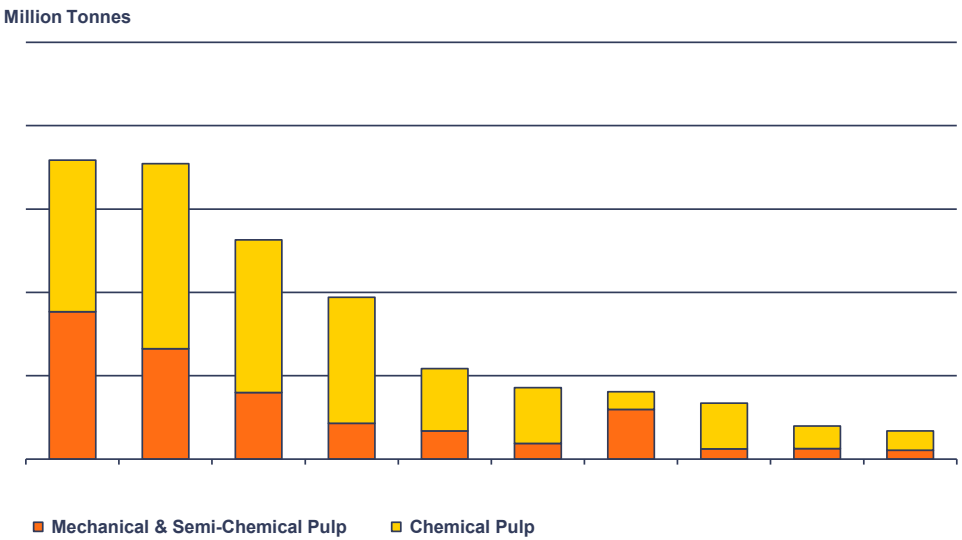
Total Pulp[1] Consumption by Country in 1991



Total Pulp[1] Consumption by Country* in 2024

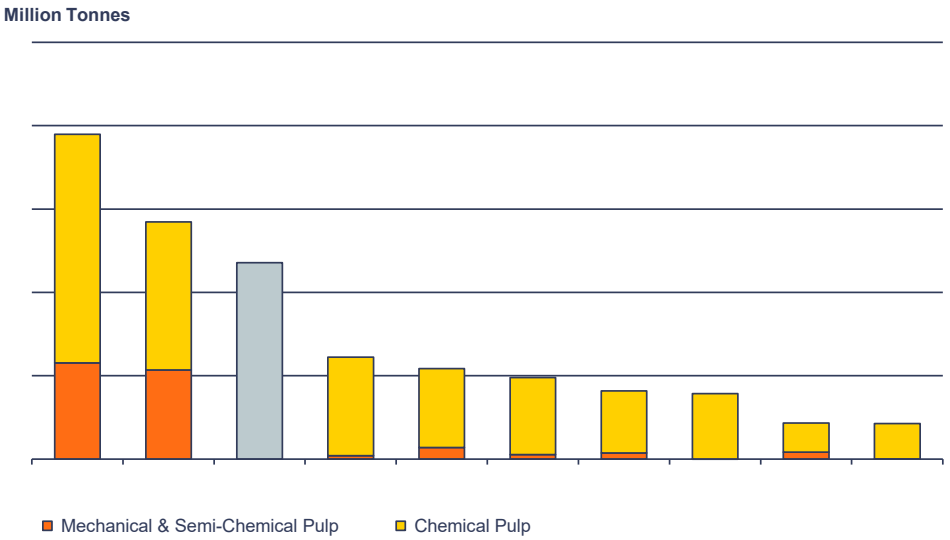


Total Pulp[1] Consumption by Grade and by Country in 1991



[1] ***Total Pulp*** *= market pulp + integrated pulp*

Total Pulp[1] Consumption by Grade and by Country* in 2024



Germany *: chemical + mechanical pulp*

** Some main consumers could be included in "Other Cepi Countries" for transparency reasons*

Mechanical and Semi-Chemical Pulp Consumption

'000 Tonnes	1991	1995	2000	2005	2010	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	% Chge vs. 2023	% Share of Total
Austria																	
Finland																	
Sweden																	
Other Cepi Countries																	
Total Cepi[1]																	

Chemical and Other Pulp[2] Consumption

'000 Tonnes	1991	1995	2000	2005	2010	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	% Chge vs. 2023	% Share of Total
Austria																	
Finland																	
Portugal																	
Sweden																	
Other Cepi Countries																	
Total Cepi[1]																	

[1] ***Pulp Consumption*** *for total Cepi is calculated with total exports to outside Cepi and total imports from outside Cepi.*

[2] ***Other Pulp:*** *Pulp produced from fibres other than wood, such as sugar cane bagasse, wheat straw, kenaf, cotton rags and hemp.*

Other Cepi Countries: include countries members of Cepi, that are not included in the table

Market Pulp Exports by Region

'000 Tonnes	2001	2005	2010	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	% Chge vs. 2023	% Share of Total
EU Non-Cepi Countries															
Turkey															
Switzerland															
Russia															
Others															
Total Other Europe															
United States of America															
Canada															
Total North America															
Brazil															
Other Latin America															
Total Latin America															
China															
India															
Hong-Kong															
Indonesia															
Other Asia															
Total Asia															
Africa															
Oceania															
Others															
Rest of the World															
Total Exports															

Market Pulp Exports by Grade

'000 Tonnes	2001	2005	2010	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	% Chge vs. 2023	% Share of Total
Mechanical & Semi-Chemical Pulp															
Sulphite Pulp															
Sulphate Pulp															
Chemical Pulp															
Other Pulp															
Total Pulp															

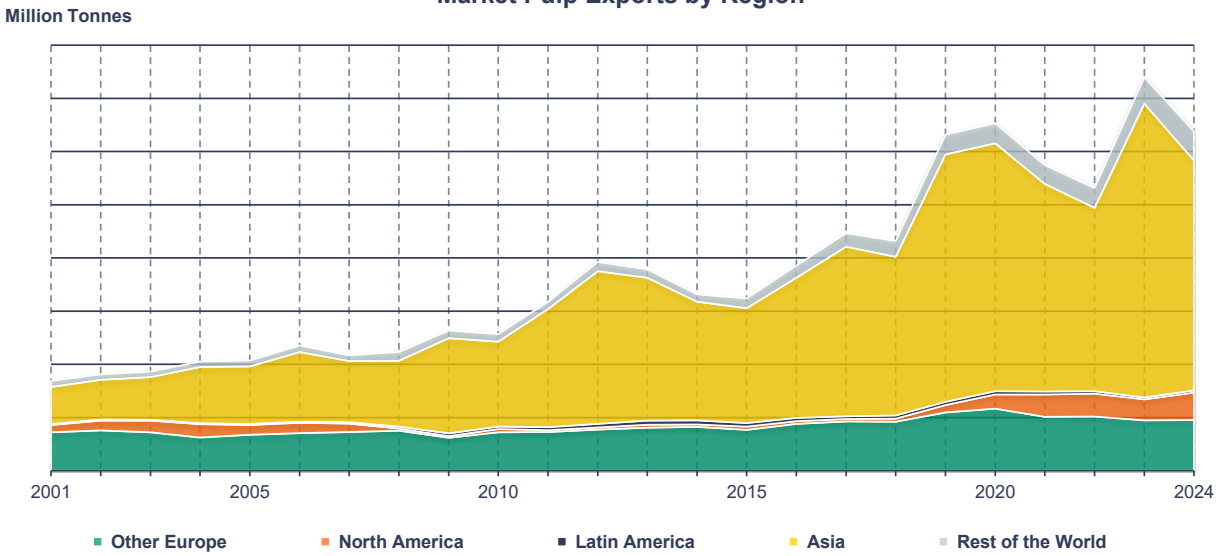
Market Pulp Exports[1] by Country

'000 Tonnes	2001	2005	2010	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	% Chge vs. 2023	% Share of Total
Austria															
Finland															
France															
Germany															
Norway															
Poland															
Portugal															
Spain															
Sweden															
Other Cepi Countries															
Total Cepi															

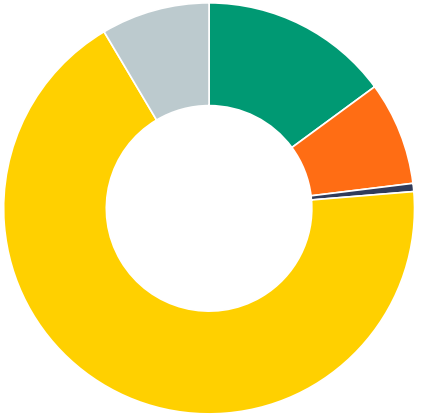
[1] *Include exports to other Cepi countries*

Other Cepi Countries: include countries members of Cepi, that are not included in the table

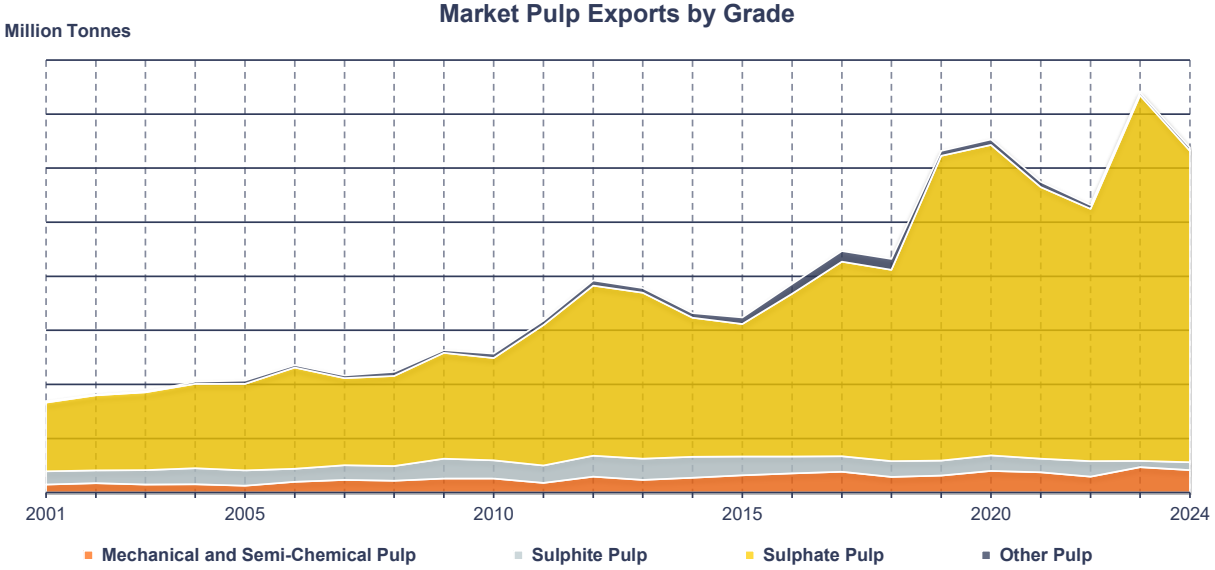
Market Pulp Exports by Region



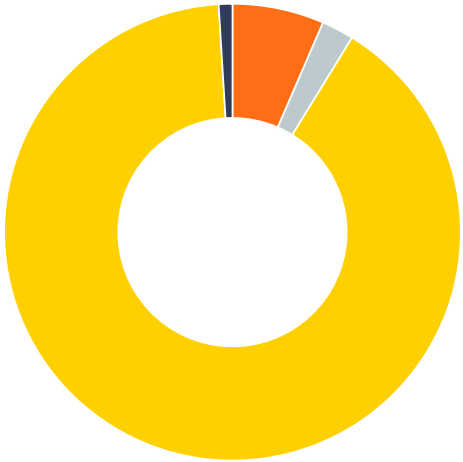
Market Pulp Exports by Region in 2024



Market Pulp Exports by Grade



Market Pulp Exports by Grade in 2024



Market Pulp Imports by Region

'000 Tonnes	2001	2005	2010	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	% Chge vs. 2023	% Share of Total
EU Non-Cepi Countries															
Russian Federation															
Switzerland															
Turkey															
Others															
Total Other Europe															
United States of America															
Canada															
Total North America															
Brazil															
Uruguay															
Chile															
Other Latin America															
Total Latin America															
China															
Japan															
Other Asia															
Total Asia															
Africa															
Oceania															
Others															
Rest of the World															
Total Imports															

Market Pulp Imports by Grade

'000 Tonnes	2001	2005	2010	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	% Chge vs. 2023	% Share of Total
Mechanical & Semi-Chemical Pulp															
Sulphite Pulp															
Sulphate Pulp															
Total Chemical Pulp															
Other Pulp															
Total Pulp															

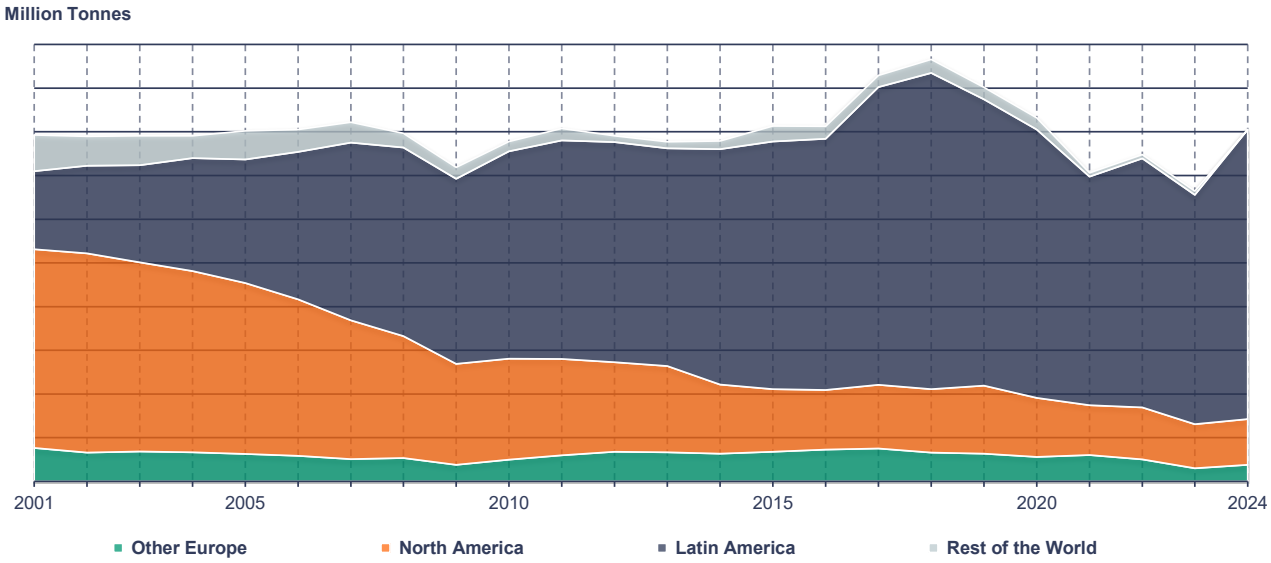
Market Pulp Imports[1] by Country

'000 Tonnes	2001	2005	2010	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	% Chge vs. 2023	% Share of Total
Austria															
Finland															
France															
Germany															
Norway															
Poland															
Portugal															
Spain															
Sweden															
Other Cepi Countries															
Total Cepi															

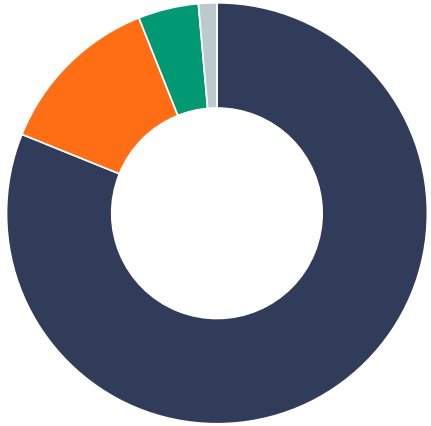
[1] *Include imports from other Cepi countries*

Other Cepi Countries: include countries members of Cepi, that are not included in the table

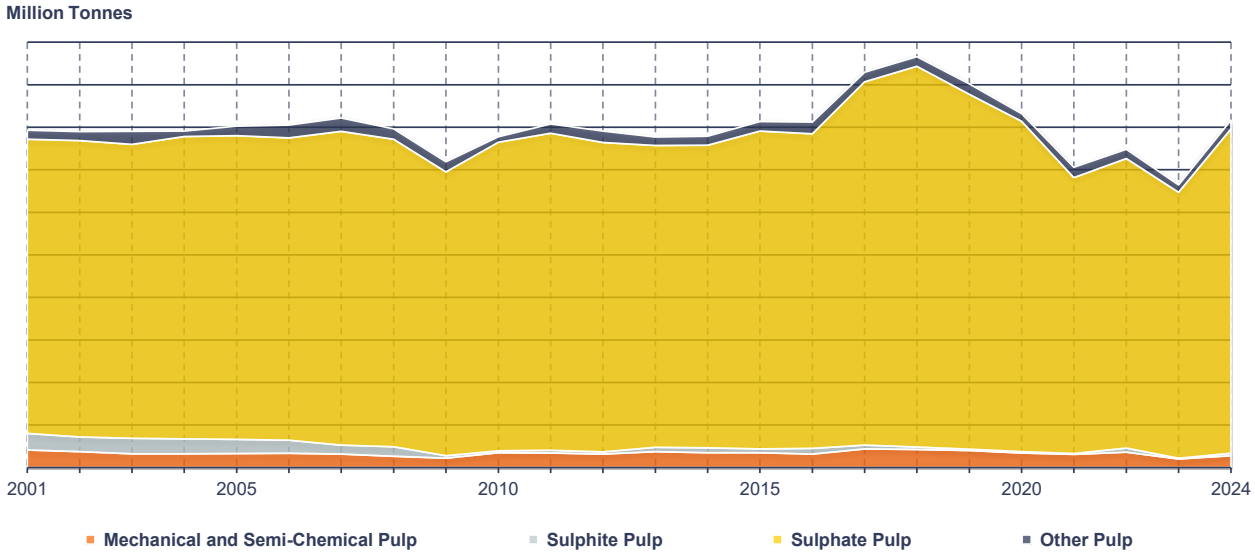
Market Pulp Imports by Region



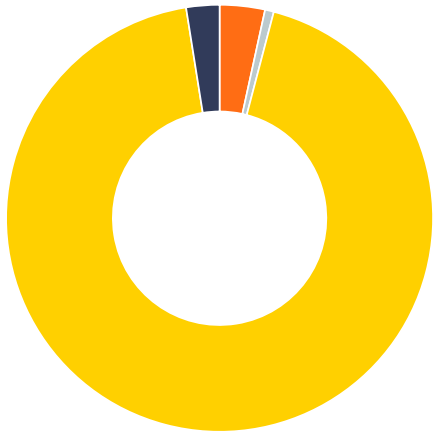
Market Pulp Imports by Region in 2024



Market Pulp Imports by Grade

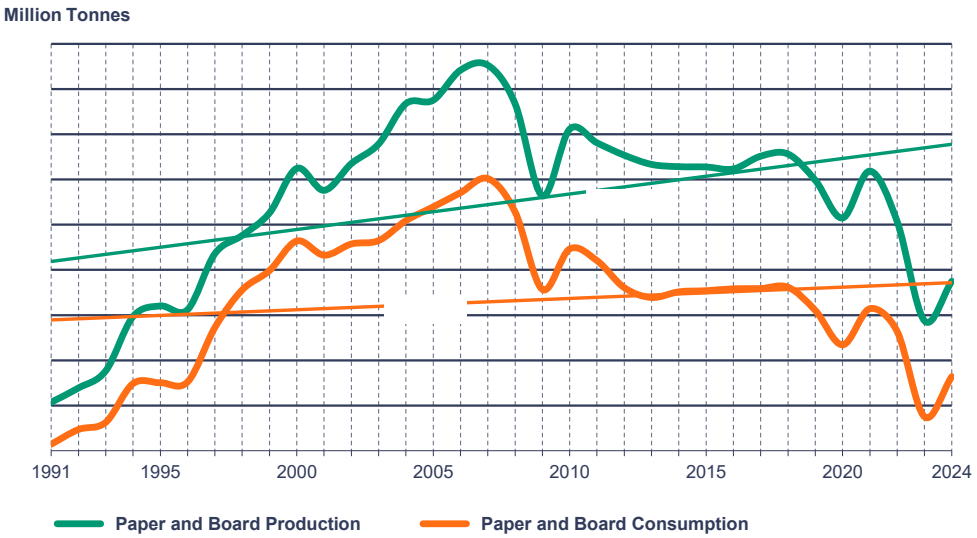


Market Pulp Imports by Grade in 2024

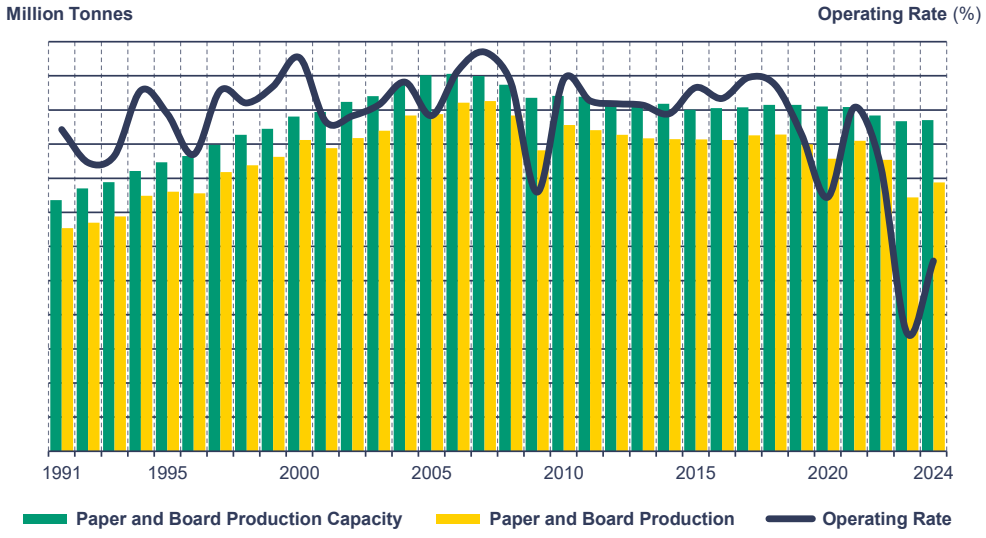


Paper and Board

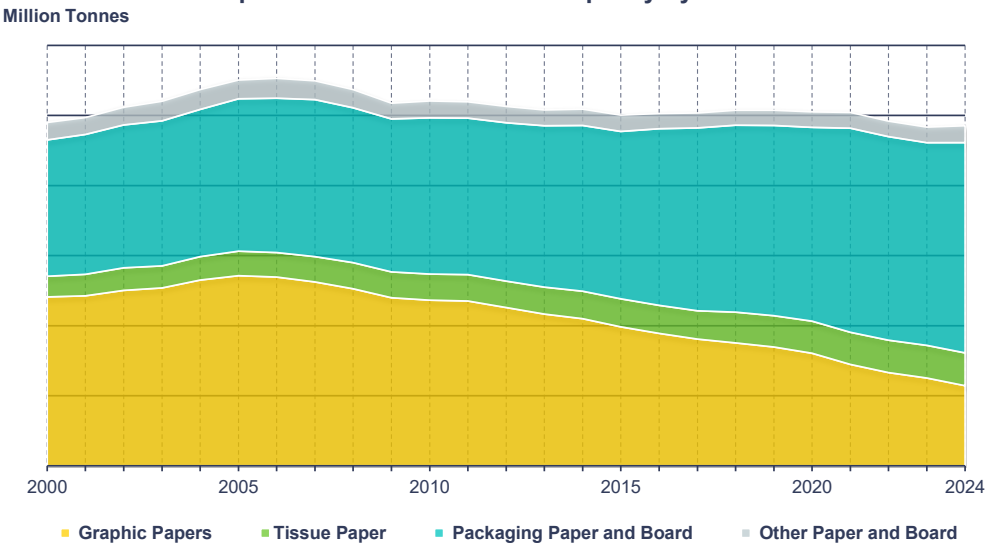
Paper and Board Production and Consumption



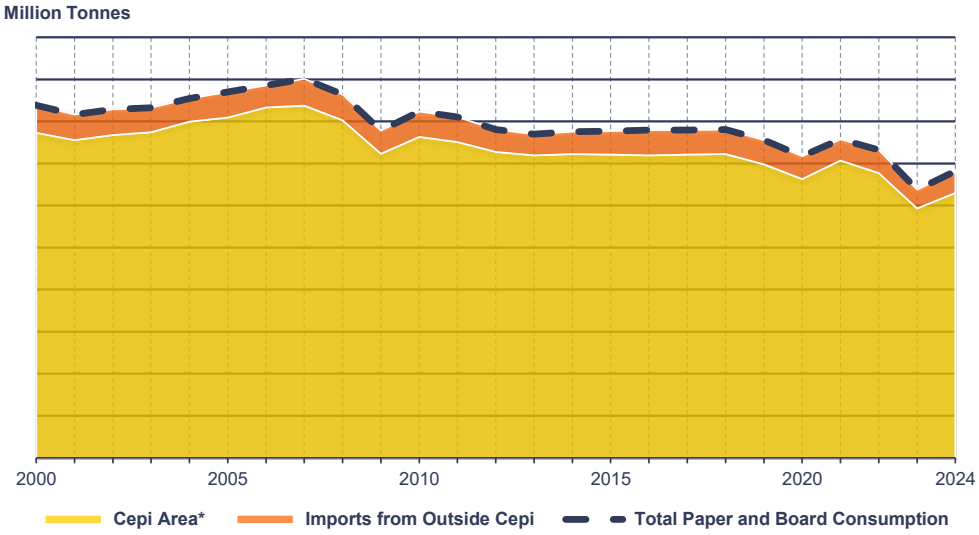
Paper and Board Production and Capacity



Paper and Board Production Capacity by Grade



Origin of Paper and Board Consumption

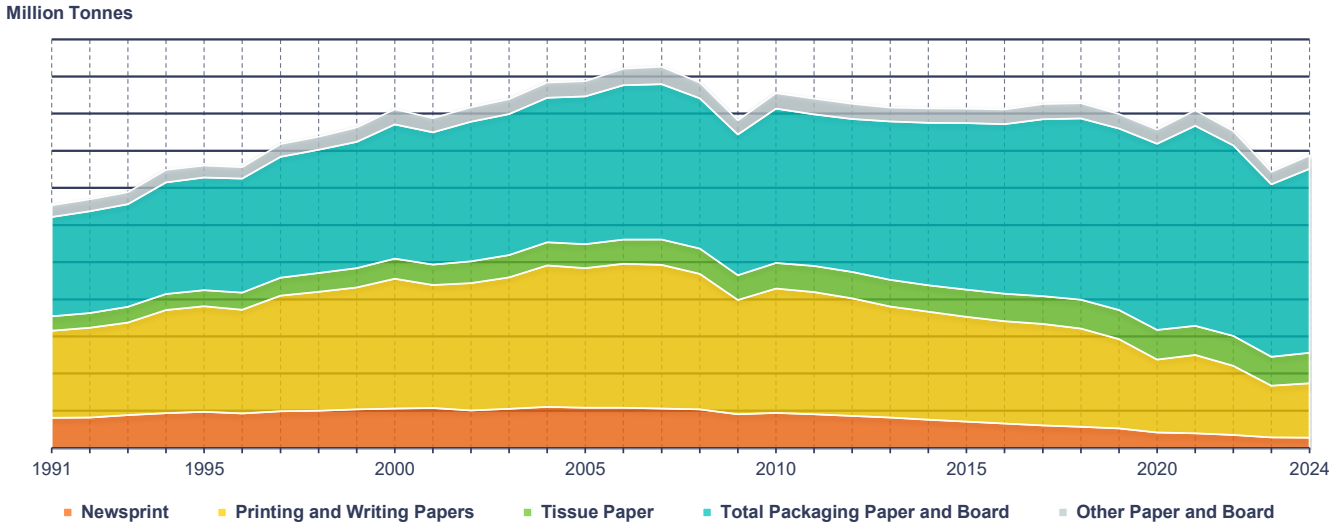


***Cepi Area** = production - exports to outside CEPI*

Paper and Board Production by Grade

'000 Tonnes	1991	1995	2000	2005	2010	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	% Chge vs. 2023	% Share of Total
Newsprint																	
Uncoated Mechanical																	
Coated Mechanical																	
Uncoated Woodfree																	
Coated Woodfree																	
Printing and Writing Papers																	
Total Graphic Papers																	
Tissue Paper																	
Containerboard																	
Cartonboard																	
Wrappings																	
Other P&B for Packaging																	
Packaging Paper and Board																	
Other Paper and Board																	
Total Paper and Board																	

Paper and Board Production by Grade



Paper and Board Production by Grade in 2024



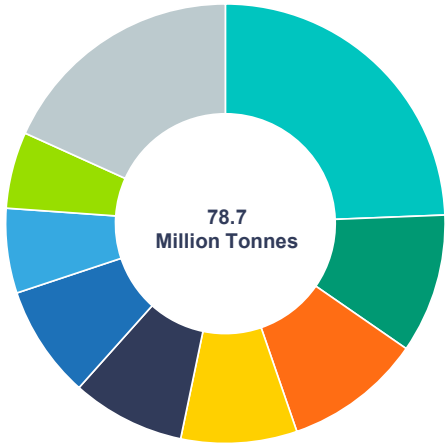
Paper and Board Production by Country

'000 Tonnes	1991	1995	2000	2005	2010	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	% Chge vs. 2023	% Share of Total
Austria																	
Belgium																	
Czech Republic																	
Finland																	
France																	
Germany																	
Greece																	
Hungary																	
Italy																	
Netherlands																	
Norway																	
Poland																	
Portugal																	
Romania																	
Slovakia																	
Slovenia																	
Spain																	
Sweden																	
United Kingdom																	
Total Cepi																	

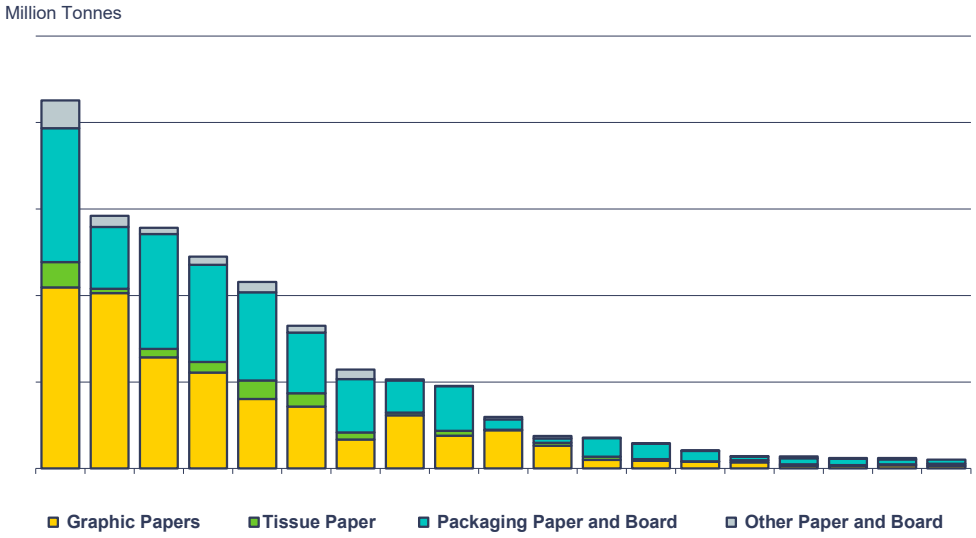
Paper and Board Production by Country in 1991



Paper and Board Production by Country in 2024

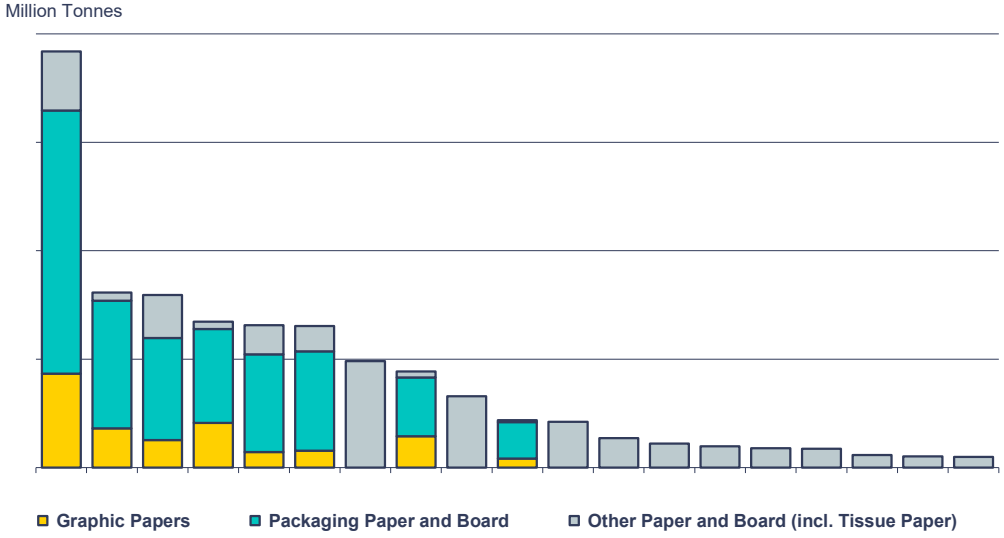


Paper and Board Production by Grade and by Country in 1991



* ***Finland***: *Tissue paper production is included in Other Paper and Board*

Paper and Board Production by Grade and by Country in 2024



* *Split within grades can't be shown due to transparency reasons*

Production - Total Graphic Papers

'000 Tonnes	1991	1995	2000	2005	2010	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	% Chge vs. 2023	% Share of Total
Austria																	
Finland																	
France																	
Germany																	
Italy																	
Netherlands																	
Spain																	
Sweden																	
Other Cepi Countries																	
Total Cepi																	

Production - Total Packaging Paper and Board

'000 Tonnes	1991	1995	2000	2005	2010	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	% Chge vs. 2023	% Share of Total
Austria																	
Czech Republic																	
Finland																	
France																	
Germany																	
Italy																	
Netherlands																	
Poland																	
Spain																	
Sweden																	
United Kingdom																	
Other Cepi Countries																	
Total Cepi																	

Other Cepi Countries: include countries members of Cepi, that are not included in the table

Production - Containerboard

'000 Tonnes	1991	1995	2000	2005	2010	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	% Chge vs. 2023	% Share of Total
Austria																	
France																	
Germany																	
Italy																	
Spain																	
Sweden																	
Other Cepi Countries																	
Total Cepi																	

Production - Other Paper and Board for Packaging

'000 Tonnes	1991	1995	2000	2005	2010	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	% Chge vs. 2023	% Share of Total
Austria																	
France																	
Germany																	
Italy																	
Spain																	
Sweden																	
Other Cepi Countries																	
Total Cepi																	

Other Cepi Countries: include countries members of Cepi, that are not included in the table

Production - Tissue Paper

'000 Tonnes	1991	1995	2000	2005	2010	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	% Chge vs. 2023	% Share of Total
France																	
Germany																	
Italy																	
Netherlands																	
Poland																	
Spain																	
United Kingdom																	
Other Cepi Countries																	
Total Cepi																	

Production - Other Paper and Board

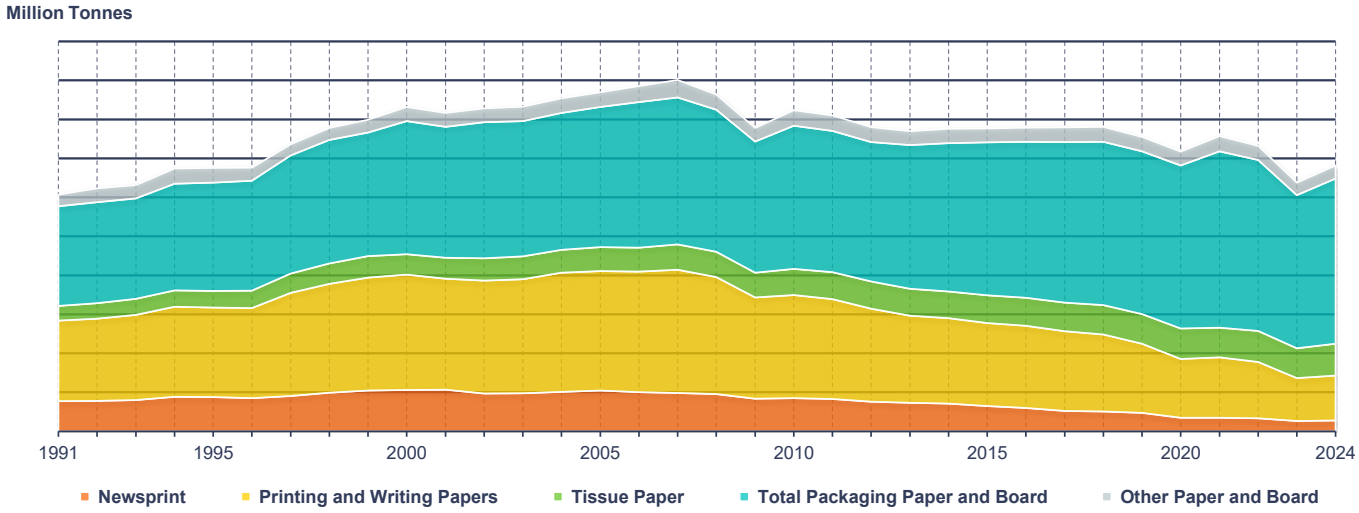
'000 Tonnes	1991	1995	2000	2005	2010	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	% Chge vs. 2023	% Share of Total
France																	
Germany																	
Italy																	
Spain																	
Other Cepi Countries																	
Total Cepi																	

Other Cepi Countries: include countries members of Cepi, that are not included in the table

Paper and Board Consumption by Grade

'000 Tonnes	1991	1995	2000	2005	2010	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	% Chge vs. 2023	% Share of Total
Newsprint																	
Uncoated Mechanical																	
Coated Mechanical																	
Uncoated Woodfree																	
Coated Woodfree																	
Printing and Writing Papers																	
Total Graphic Papers																	
Tissue Paper																	
Containerboard																	
Cartonboard																	
Wrappings																	
Other P&B for Packaging																	
Packaging Paper and Board																	
Other Paper and Board																	
Total Paper and Board																	

Paper and Board Consumption by Grade



Paper and Board Consumption by Grade in 2024



Paper and Board Apparent Consumption[1] by Country

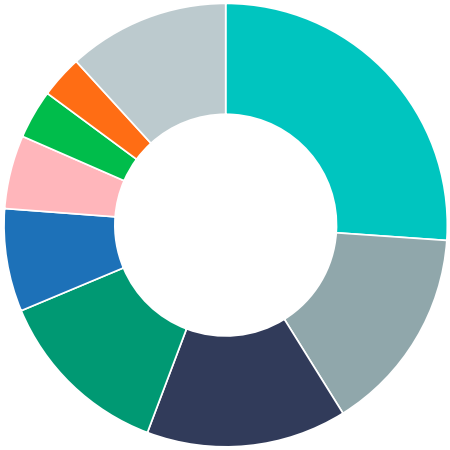
'000 Tonnes	1991	1995	2000	2005	2010	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	% Chge vs. 2023	% Share of Total
Austria[2]																	
Belgium[2]																	
Czech Republic																	
Finland[2]																	
France																	
Germany																	
Greece																	
Hungary																	
Italy																	
Netherlands																	
Norway																	
Poland																	
Portugal																	
Romania																	
Slovakia																	
Slovenia																	
Spain																	
Sweden[2]																	
United Kingdom[2]																	
Total Cepi[3]																	

[1] ***Paper and Boards Apparent Consumption*** *= Production + Imports - Exports*

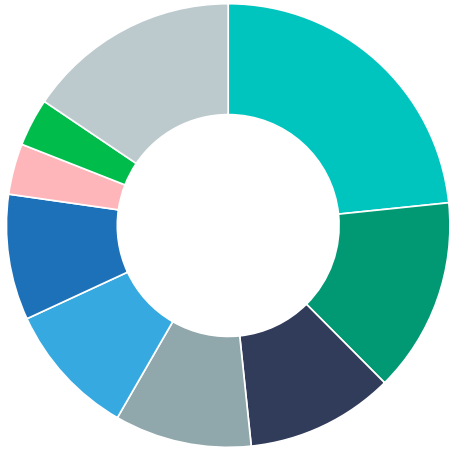
[2]***Adjustments to paper and board consumption*** *have been made by these countries , to take into account the volumes of converted and printed products traded and/or the distorting impact of ports' activity. These adjusted figures have been used to calculate the recycling rate.*
Belgium has revised its consumption figures for 2010 to 2024 only. The decrease between 2005 and 2010 cannot therefore be considered as reality.

[3] ***Paper and Board Consumption for total Cepi*** *is calculated with total exports to outside Cepi and total imports from outside Cepi.*

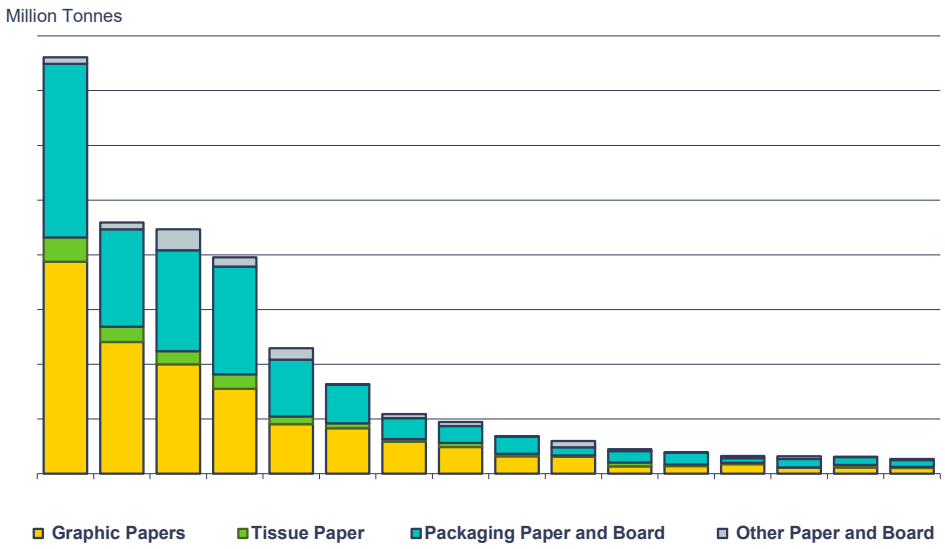
Paper and Board Consumption by Country in 1991



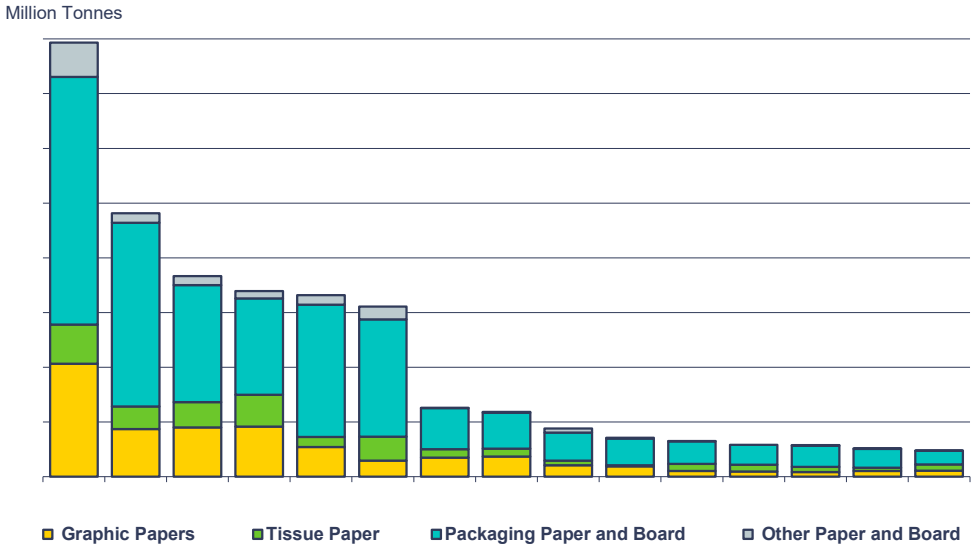
Paper and Board Consumption by Country in 2024



Paper and Board Consumption by Grade and by Country in 1991



Paper and Board Consumption by Grade and by Country in 2024



Consumption - Total Graphic Papers

'000 Tonnes	1991	1995	2000	2005	2010	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	% Chge vs. 2023	% Share of Total
Austria																	
France																	
Germany																	
Italy																	
Netherlands																	
Spain																	
Sweden																	
Other Cepi Countries																	
Total Cepi[1]																	

Consumption - Total Packaging Paper and Board

'000 Tonnes	1991	1995	2000	2005	2010	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	% Chge vs. 2023	% Share of Total
Austria																	
Czech Republic																	
France																	
Germany																	
Italy																	
Netherlands																	
Poland																	
Spain																	
Sweden																	
United Kingdom																	
Other Cepi Countries																	
Total Cepi[1]																	

[1] ***Consumption for total Cepi*** *is calculated with total exports to outside Cepi and total imports from outside Cepi.*

Other Cepi Countries: include countries members of Cepi, that are not included in the table

Exports of Paper and Board by Region

'000 Tonnes	2001	2005	2010	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	% Chge vs. 2023	% Share of Total
EU Non-Cepi Countries															
Turkey															
Switzerland															
Russia															
Other Europe															
Total Other Europe															
United States of America															
Canada															
Total North America															
Mexico															
Brazil															
Other Latin America															
Total Latin America															
China															
India															
Saudi Arabia															
Israel															
Japan															
Other Asia															
Total Asia															
Africa															
Oceania															
Other Countries															
Total Rest of the World															
Total Outside Cepi															

Exports of Paper and Board by Grade

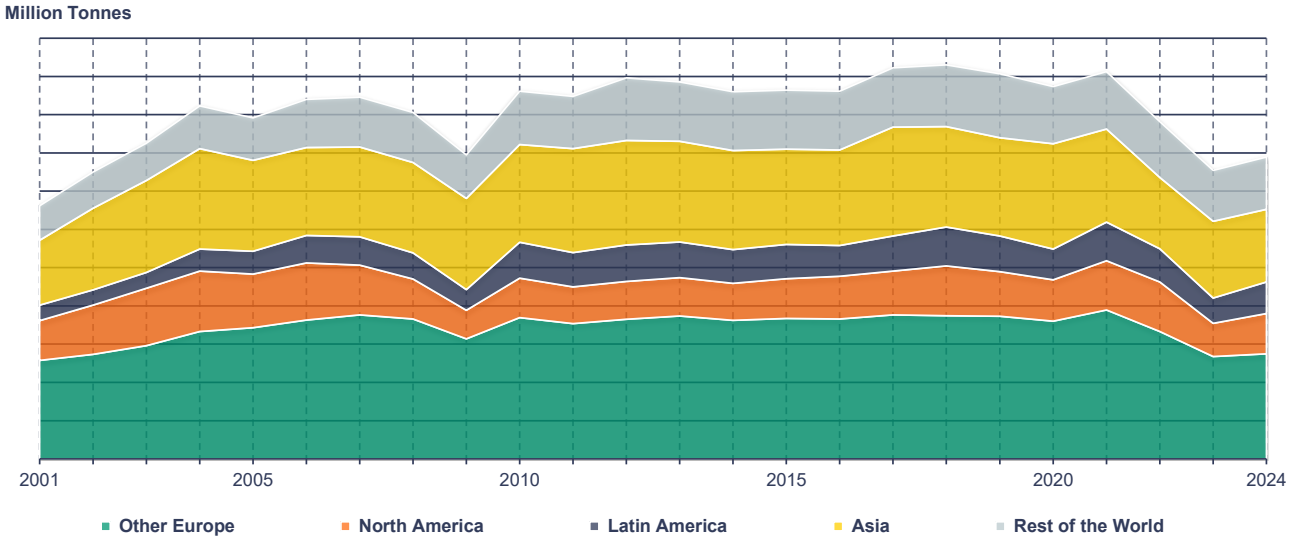
'000 Tonnes	2001	2005	2010	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	% Chge vs. 2023	% Share of Total
Newsprint															
Uncoated Mechanical															
Coated Mechanical															
Uncoated Woodfree															
Coated Woodfree															
Printing and Writing Papers															
Total Graphic Papers															
Tissue Paper															
Containerboard															
Cartonboard															
Wrappings															
Other Paper & Board for Packaging															
Total Packaging Paper & Board															
Other Paper and Board															
Total Paper and Board															

Exports[1] of Paper and Board by Country

'000 Tonnes	2001	2005	2010	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	% Chge vs. 2023	% Share of Total
Austria															
Belgium															
Czech Republic															
Finland															
France															
Germany															
Greece															
Hungary															
Italy															
Netherlands															
Norway															
Poland															
Portugal															
Romania															
Slovakia															
Slovenia															
Spain															
Sweden															
United Kingdom															
Total Cepi															

[1] *Include exports to other Cepi countries*

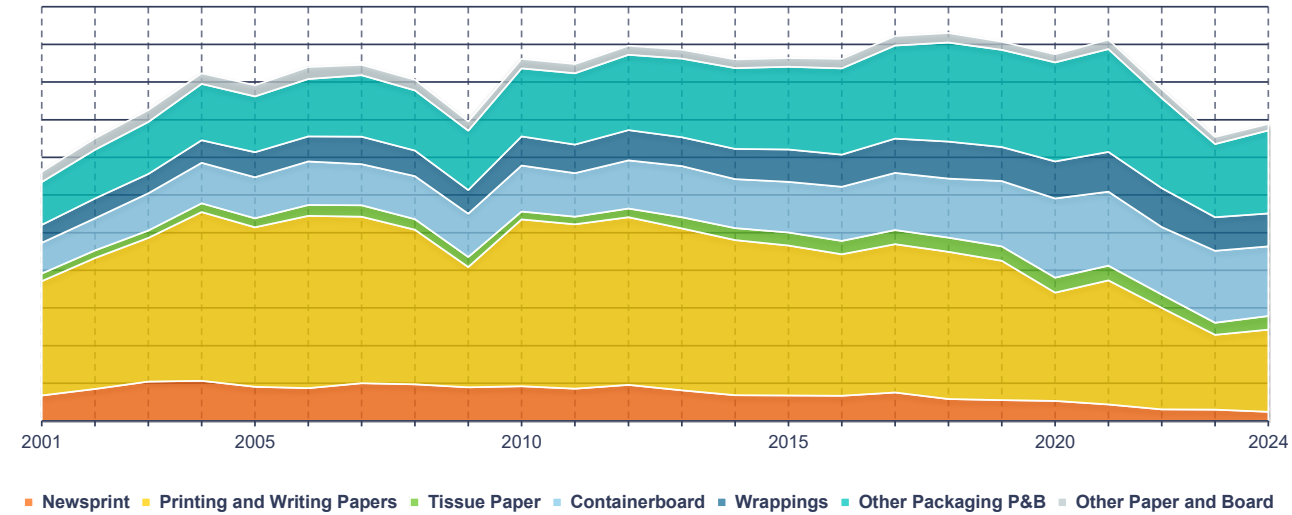
Exports of Paper and Board by Region



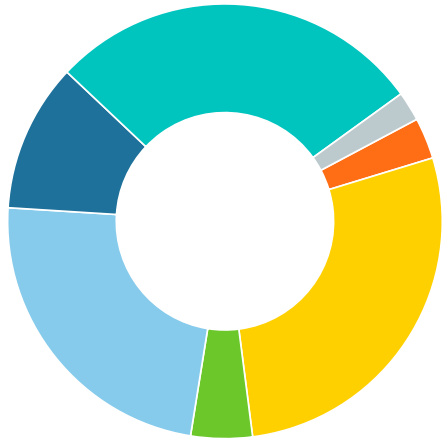
Exports of Paper and Board by Region in 2024



Exports of Paper and Board by Grade



Exports of Paper and Board by Grade in 2024



Imports of Paper and Board by Region

'000 Tonnes	2001	2005	2010	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	% Chge vs. 2023	% Share of Total
EU Non-Cepi Countries															
Switzerland															
Turkey															
Russia															
Other Europe															
Total Other Europe															
United States of America															
Canada															
Total North America															
Brazil															
Other Latin America															
Total Latin America															
China															
Indonesia															
Other Asia															
Total Asia															
Africa															
Oceania															
Other Countries															
Total Rest of the World															
Total Outside Cepi															

Imports of Paper and Board by Grade

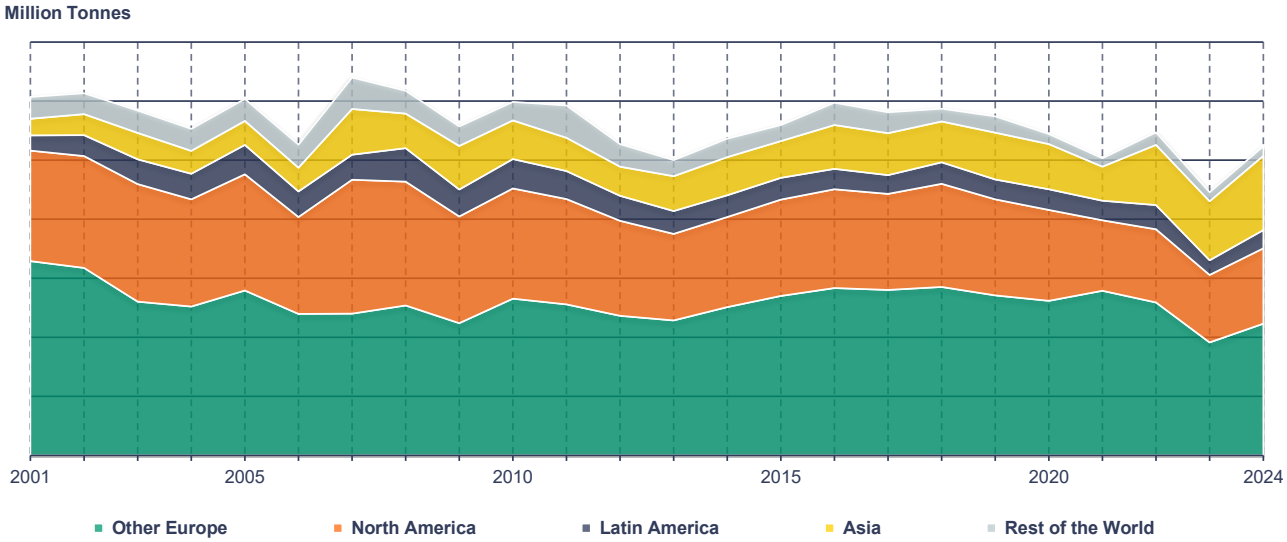
'000 Tonnes	2001	2005	2010	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	% Chge vs. 2023	% Share of Total
Newsprint															
Uncoated Mechanical															
Coated Mechanical															
Uncoated Woodfree															
Coated Woodfree															
Printing and Writing Papers															
Total Graphic Papers															
Tissue Paper															
Containerboard															
Cartonboard															
Wrappings															
Other Paper & Board for Packaging															
Total Packaging Paper & Board															
Other Paper and Board															
Total Paper and Board															

Imports[1] of Paper and Board by Country

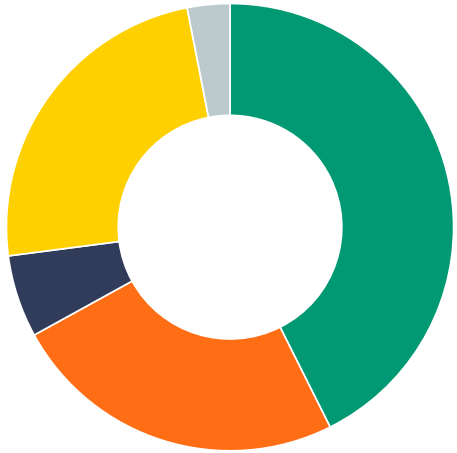
'000 Tonnes	2001	2005	2010	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	% Chge vs. 2023	% Share of Total
Austria															
Belgium															
Czech Republic															
Finland															
France															
Germany															
Greece															
Hungary															
Italy															
Netherlands															
Norway															
Poland															
Portugal															
Romania															
Slovakia															
Slovenia															
Spain															
Sweden															
United Kingdom															
Total Cepi															

[1] *Include imports from other Cepi countries*

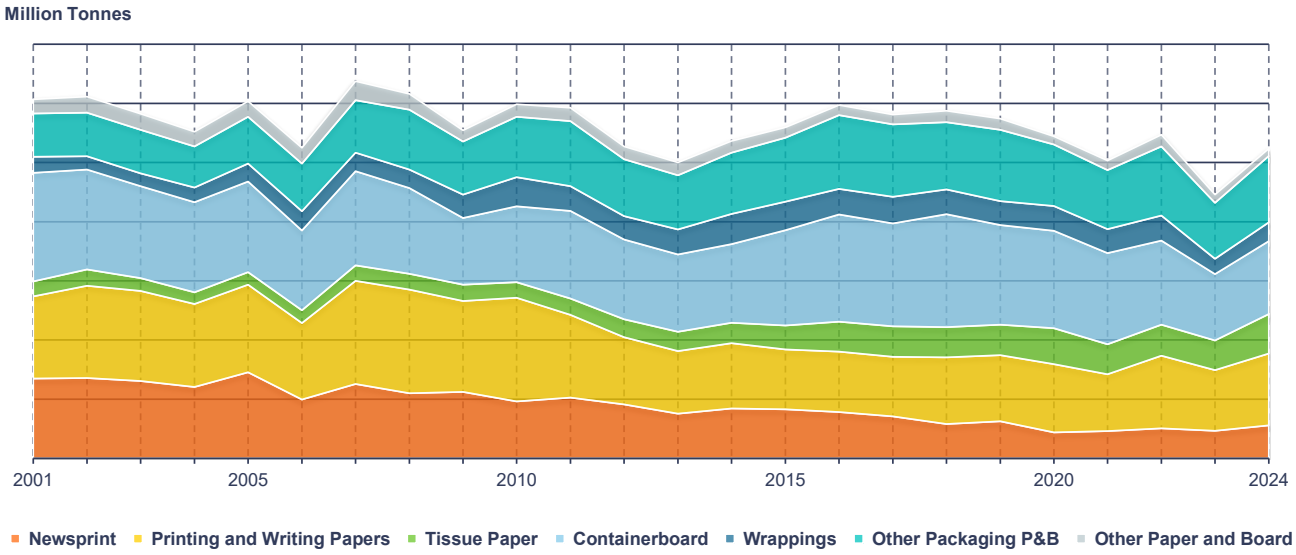
Imports of Paper and Board by Region



Imports of Paper and Board by Region in 2024



Imports of Paper and Board by Grade



Imports of Paper and Board by Grade in 2024

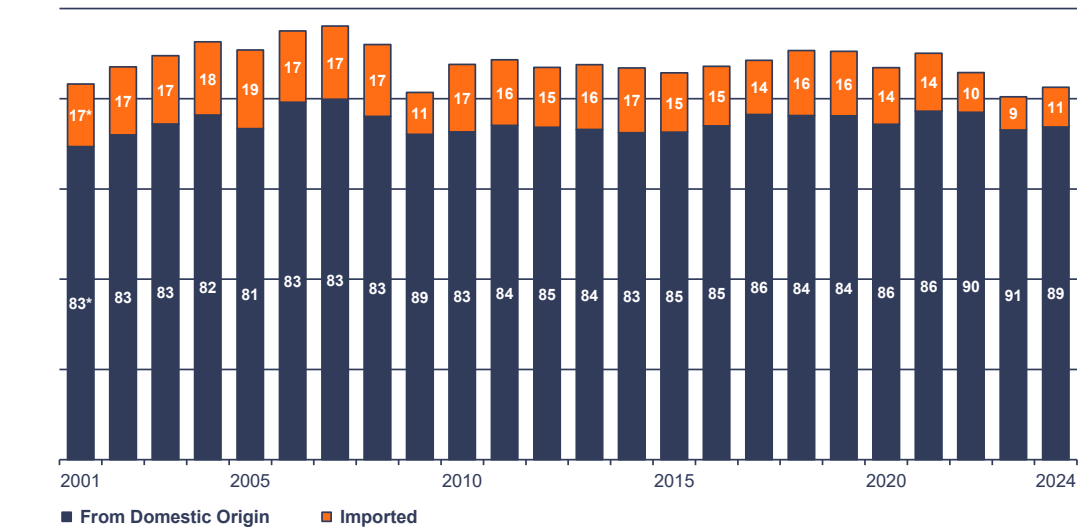


Wood Consumption

'000 m³	1991	1995	2000	2005	2010	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	% Chge vs. 2023	% Share of Total
Softwood Roundwood																	
Softwood Chips																	
Total Softwood																	
Hardwood Roundwood																	
Hardwood Chips																	
Total Hardwood																	
Total Roundwood																	
Total Chips																	
Total Wood																	

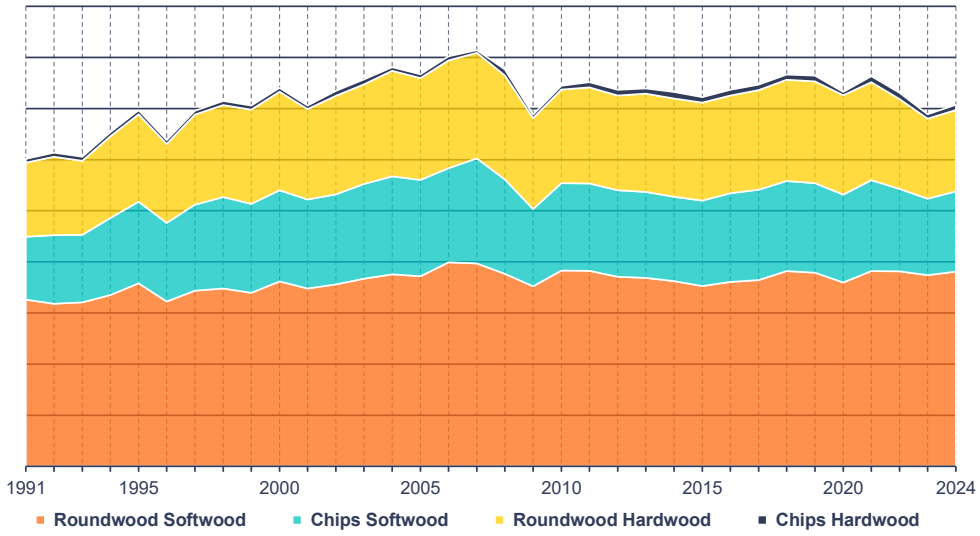
Wood Consumption by Origin

Million tonnes



Wood Consumption by Assortment

Million m3



Source: *Eurostat - * Percentage of total wood consumption*

Wood Consumption by Country

'000 m³	1991	1995	2000	2005	2010	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	% Chge vs. 2023	% Share of Total
Austria																	
Belgium[1]																	
Czech Republic																	
Finland																	
France[1]																	
Germany																	
Norway																	
Poland																	
Portugal																	
Spain																	
Sweden																	
United Kingdom																	
Other Cepi Countries																	
Total Cepi																	

[1] ***Belgium and France:*** *Figures have been provided in Tonnes and converted in m³ by Cepi*

Wood Exports by Region

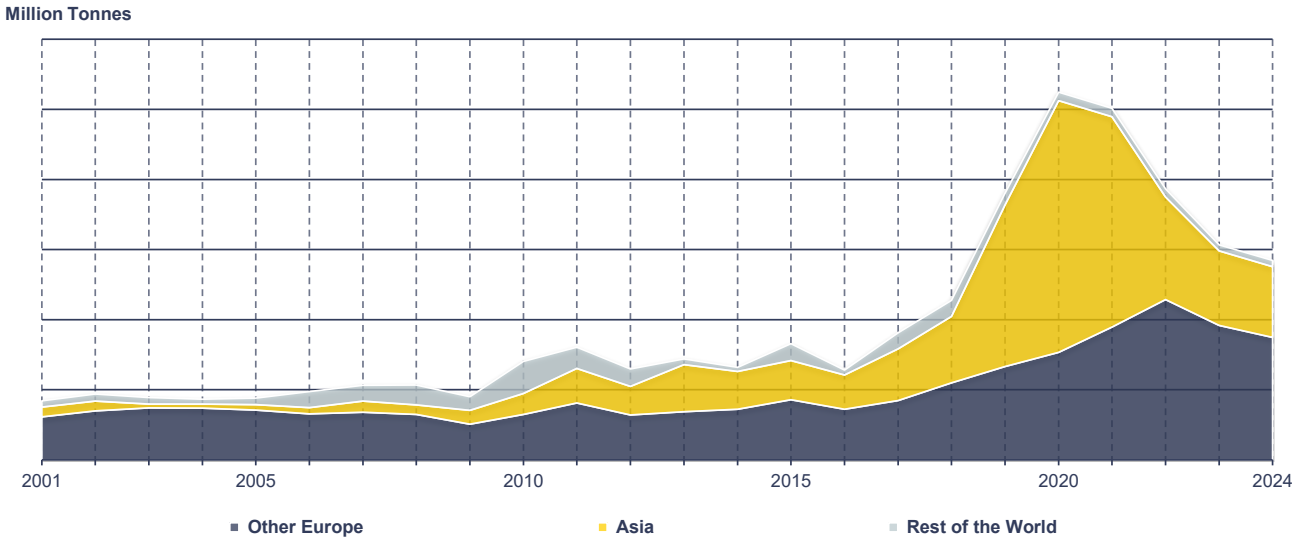
'000 Tonnes	2001	2005	2010	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	% Chge vs. 2023	% Share of Total
Denmark															
Switzerland															
Luxembourg															
Croatia															
Lithuania															
Others															
Total Other Europe															
Total North America															
Total Latin America															
China															
Vietnam															
India															
Other Asia															
Total Asia															
Egypt															
Morrocco															
Others															
Rest of the World															
Total Exports															

Wood Exports by Grade

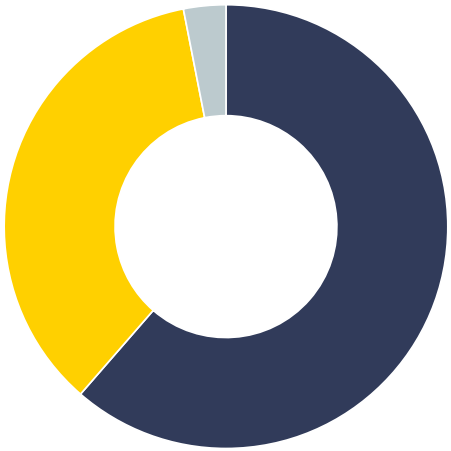
'000 Tonnes	2001	2005	2010	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	% Chge vs. 2023	% Share of Total
Roundwood Softwood															
Chips Softwood															
Roundwood Hardwood															
Chips Hardwood															
Total Wood															

Source: *Eurostat*

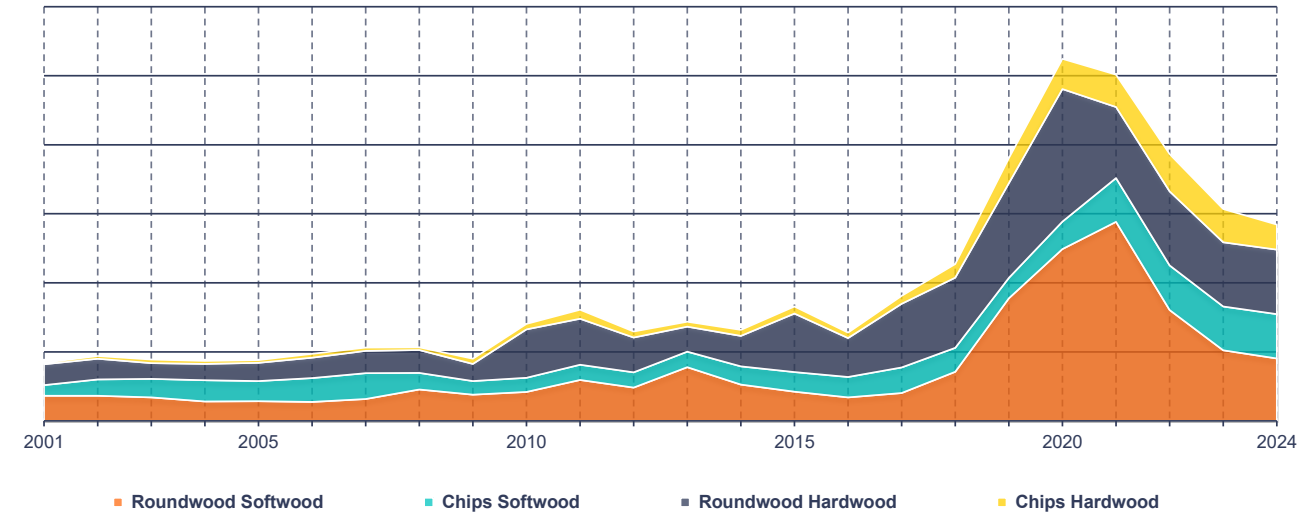
Exports of Wood by Region



Exports of Wood by Region in 2024



Exports of Wood by Grade



Exports of Wood by Grade in 2024



Source: *Eurostat*

Wood Imports by Region

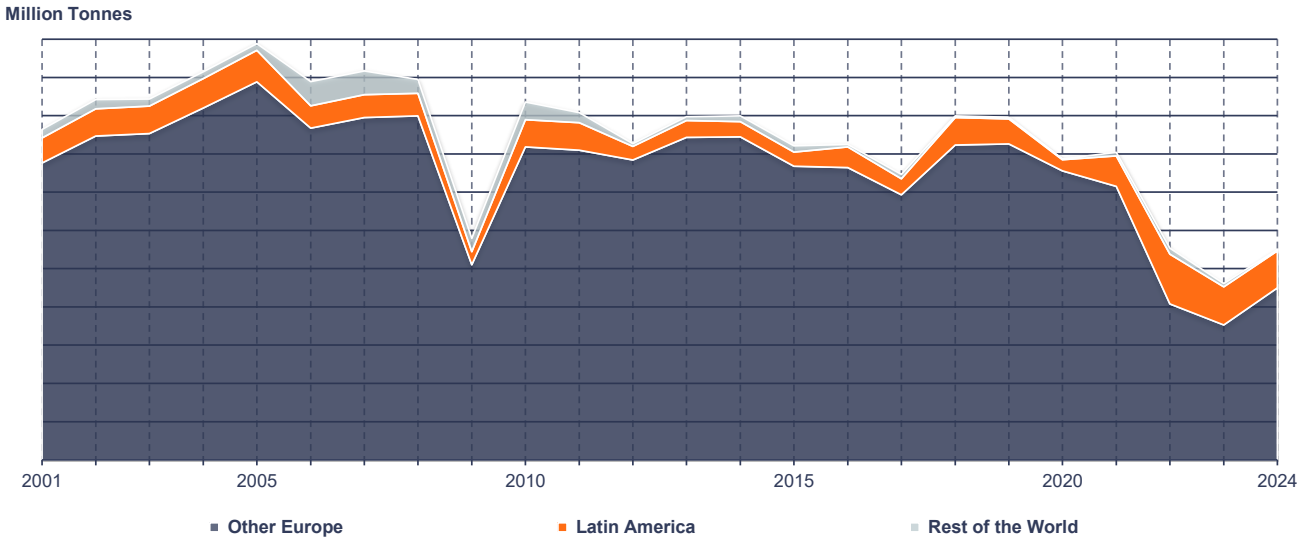
'000 Tonnes	2001	2005	2010	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	% Chge vs. 2023	% Share of Total
Latvia															
Estonia															
Lithuania															
Croatia															
Switzerland															
Russia															
Belarus															
Others															
Total Other Europe															
Total North America															
Brazil															
Uruguay															
Total Latin America															
Total Asia															
Rest of the World															
Total Imports															

Wood Imports by Grade

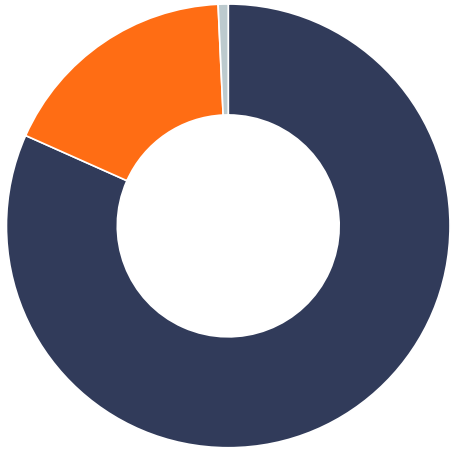
'000 Tonnes	2001	2005	2010	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	% Chge vs. 2023	% Share of Total
Roundwood Softwood															
Chips Softwood															
Roundwood Hardwood															
Chips Hardwood															
Total Wood															

Source: *Eurostat*

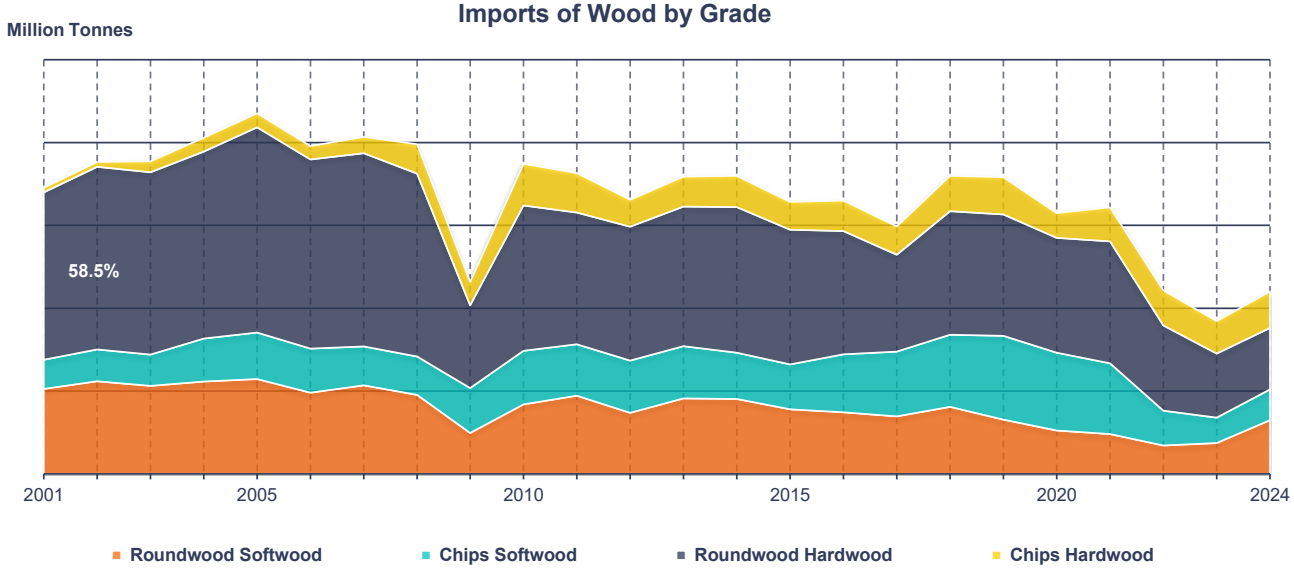
Imports of Wood by Region



Imports of Wood by Region in 2024



Imports of Wood by Grade



Imports of Wood by Grade in 2024

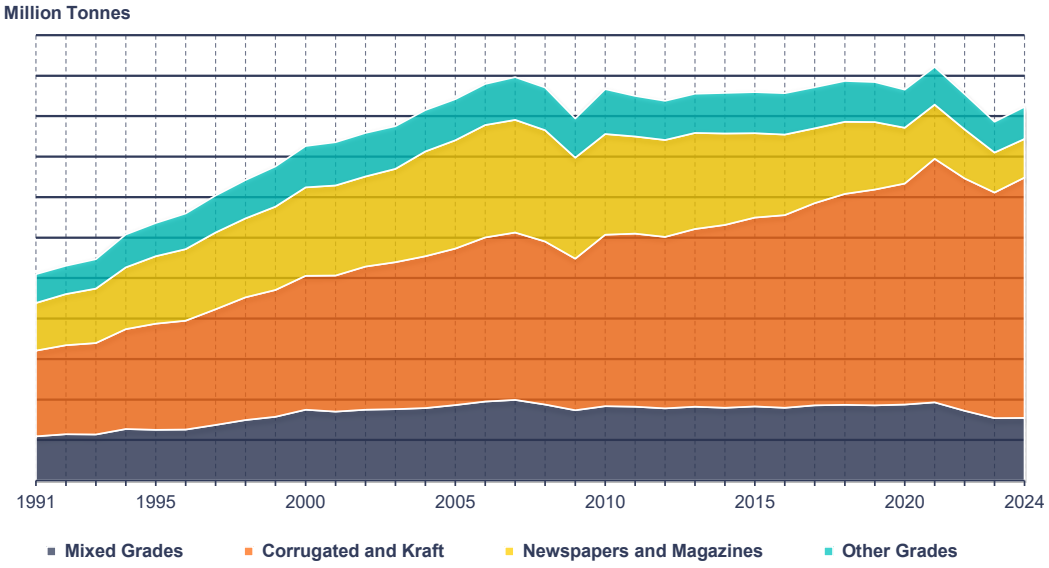


Source: *Eurostat*

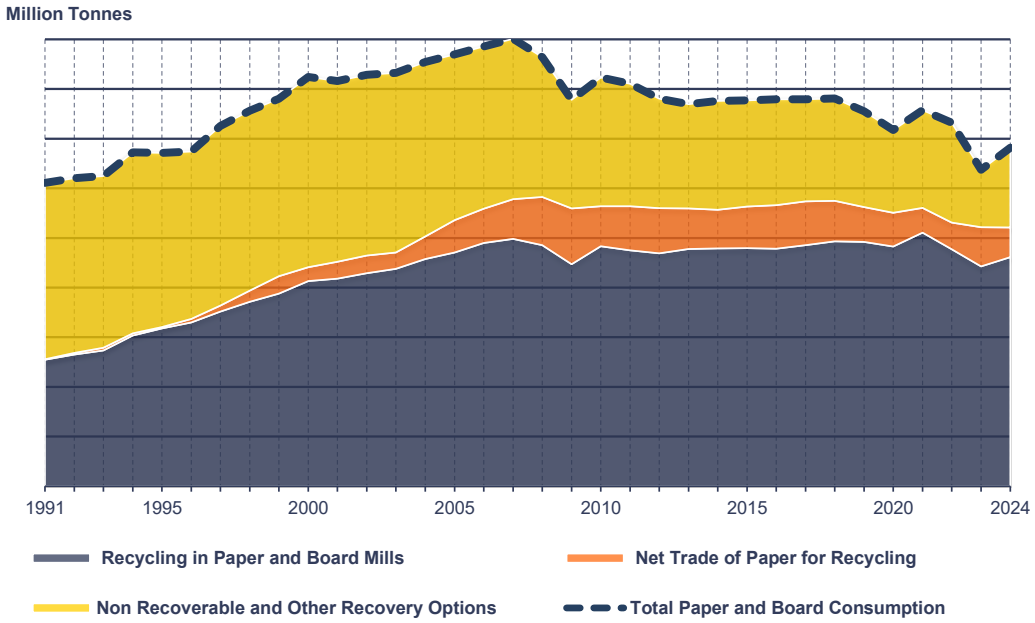
Utilisation of Paper for Recycling by Grade

'000 Tonnes	1991	1995	2000	2005	2010	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	% Chge vs. 2023
Mixed Grades																
Corrugated and Kraft																
Newspapers and Magazines																
Other Grades																
Total Paper for Recycling																

Utilisation of Paper for Recycling by Grade



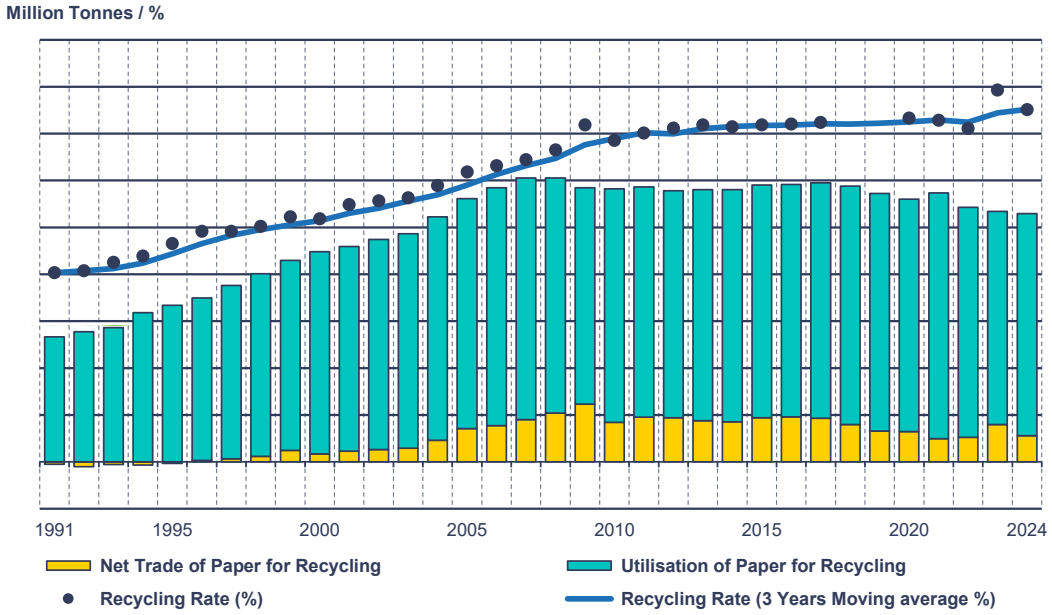
Paper and Board Consumption and Recycling



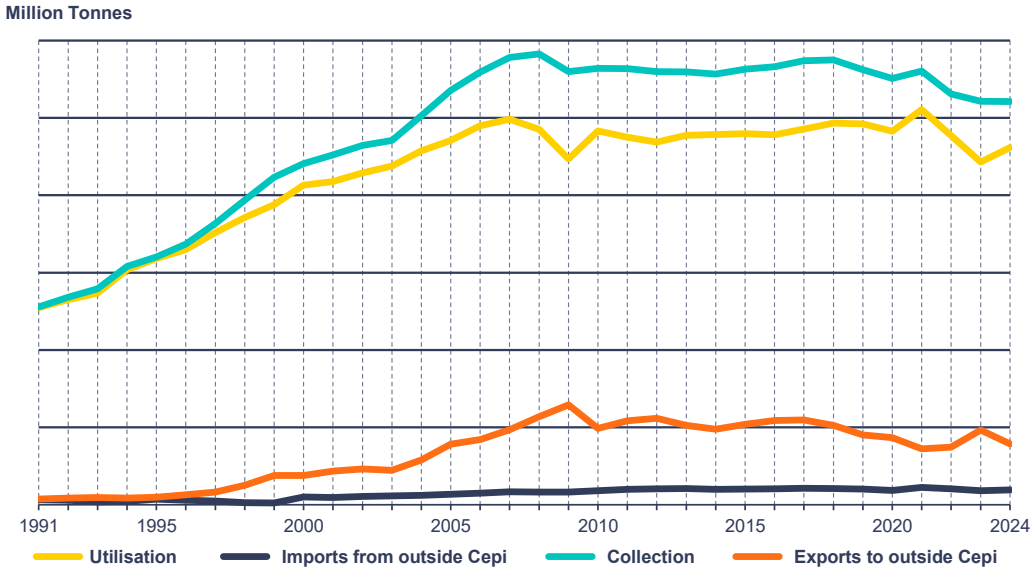
Collection and Rates of Paper for Recycling

'000 Tonnes	1991	1995	2000	2005	2010	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	% Chge vs. 2023
Utilisation																
Exports to outside Cepi																
Imports from outside Cepi																
Net Trade																
Collection																
Utilisation Rate[1]																
Recycling Rate[2] in Europe[3]	**40.3%**															

Utilisation, Net Trade and Recycling Rate of Paper for Recycling in Europe[3]



Utilisation, Collection and Trade of Paper for Recycling



[1] ***Utilisation Rate:*** *Percentage of paper for recycling utilisation compared to the total paper & board production.*

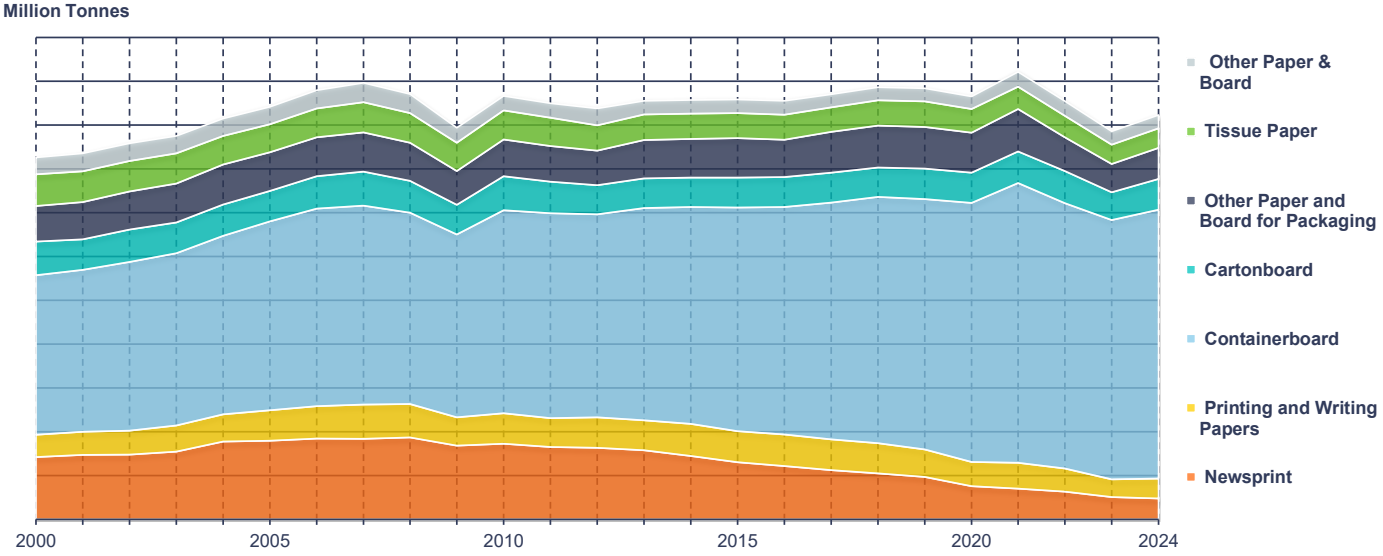
[2] ***Recycling Rate:*** *"Utilisation of paper for recycling + net trade of paper for recycling " , compared to paper and board consumption. The paper recycling rate has decreased compared to 2023. However it should be noted that the paper recycling rate was exceptionally high in 2023, due to the relatively low level of the apparent consumption. Looking at a three year rolling average and the long term trend, the 2024 rate confirms the paper recycling value chain is on track to reach its target of 76% paper recycling rate by 2030.*

[3] ***Europe:*** *EU-27 countries plus Norway, Switzerland and the United Kingdom*

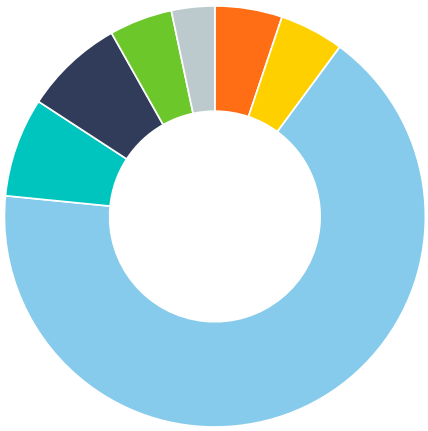
Utilisation of Paper for Recycling by Paper and Board Sector

'000 Tonnes	2000	2005	2010	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	% Chge vs. 2023	% Share of Total
Newsprint															
Printing and Writing Papers															
Total Graphic Papers															
Tissue Paper															
Containerboard															
Cartonboard															
Other P&B for Packaging															
Total Packaging Paper & Board															
Other Paper and Board															
Total Paper and Board															

Utilisation of Paper for Recycling by Paper and Board Sector



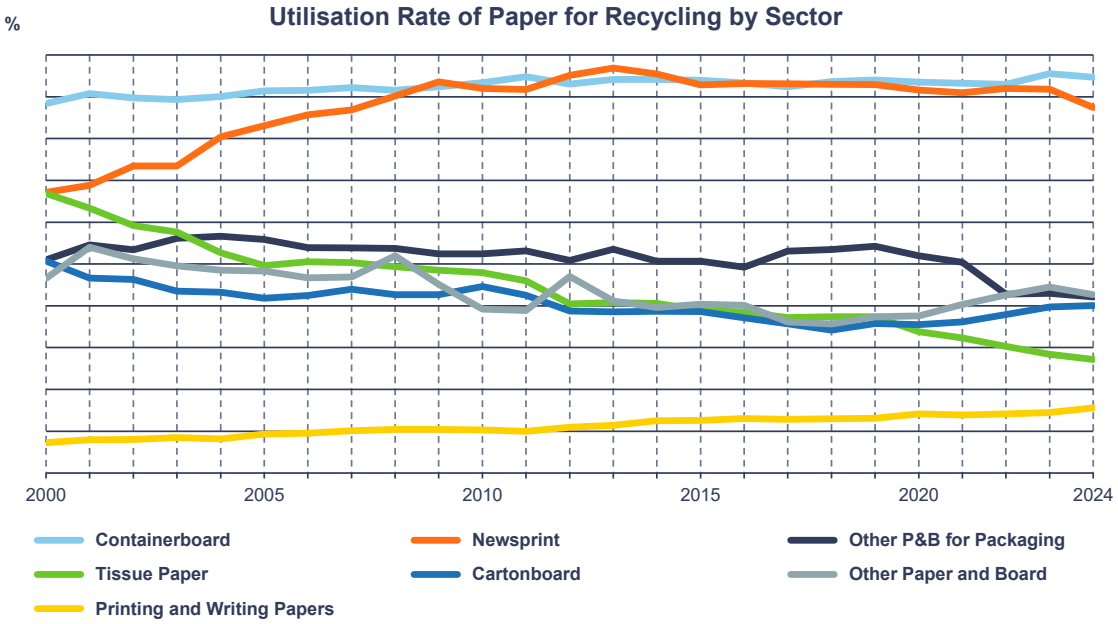
Utilisation of Paper for Recycling by Sector in 2024

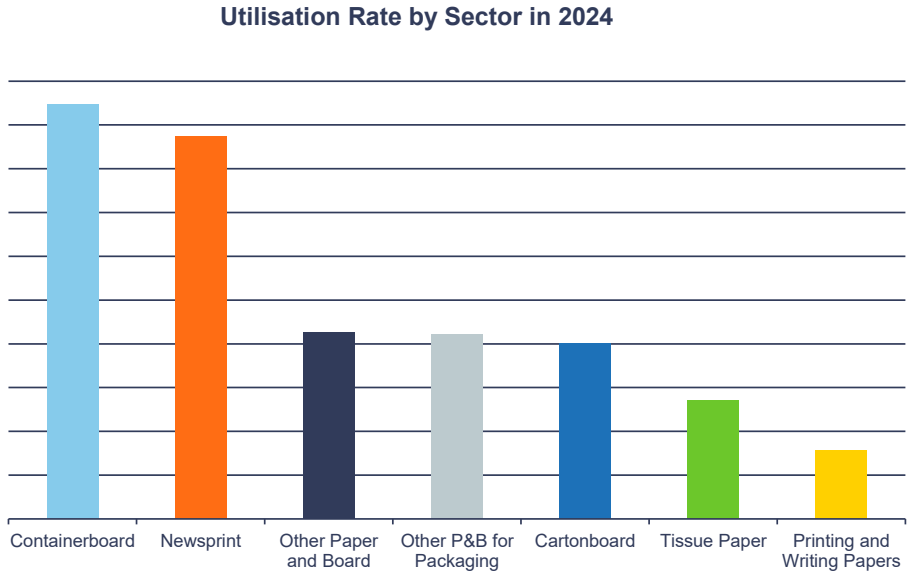


Utilisation Rate of Paper for Recycling by Sector

%	2000	2005	2010	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Chge vs. 2023
Newsprint														
Printing and Writing Papers														
Total Graphic Papers														
Tissue Paper														
Containerboard														
Cartonboard														
Other Paper and Board for Packaging														
Total Packaging Paper & Board														
Other Paper and Board														
Total Paper and Board*														

** Includes de-inked market Pulp*





Utilisation of Paper for Recycling by Country

'000 Tonnes	1991	1995	2000	2005	2010	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	% Chge vs. 2023	% Share of Total
Austria																	
Czech Republic																	
Finland																	
France																	
Germany																	
Greece																	
Italy																	
Netherlands																	
Poland																	
Portugal																	
Romania																	
Slovenia																	
Spain																	
Sweden																	
United Kingdom																	
Other Cepi Countries																	
Total Cepi																	

Ratio of Imports and Utilisation of Paper for Recycling

%	1991	1995	2000	2005	2010	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	% Chge vs. 2023
Austria																
Czech Republic																
Finland																
France																
Germany																
Greece																
Italy																
Poland																
Portugal																
Romania																
Slovenia																
Spain																
Sweden																
United Kingdom																
Total Cepi[1]																

[1] ***The ratio for "total Cepi"*** *is calculated with imports from outside Cepi*

Collection[1] of Paper for Recycling by Country

'000 Tonnes	1991	1995	2000	2005	2010	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	% Chge vs. 2023	% Share of Total
Austria																	
Czech Republic																	
Finland																	
France																	
Germany																	
Greece																	
Italy																	
Netherlands																	
Poland																	
Portugal																	
Romania																	
Slovenia																	
Spain																	
Sweden																	
United Kingdom																	
Other Cepi Countries																	
Total Cepi[2]																	

[1] ***Collection of Paper for Recycling*** *= Utilisation + Exports - Imports. Collection figures for Austria, Finland, France, Netherlands and Sweden have been adjusted by the National Associations.*

[2] ***Collection of Paper for Recycling for total Cepi*** *is calculated with total exports to outside Cepi and total imports from outside Cepi.*

Ratio[1] of Exports and Collection of Paper for Recycling

%	1991	1995	2000	2005	2010	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	% Chge vs. 2023
Austria																
Czech Republic																
Finland																
France																
Germany																
Greece																
Italy																
Netherlands																
Poland																
Portugal																
Romania																
Slovenia																
Spain																
Sweden																
United Kingdom																
Total Cepi[1]																

[1] ***The ratio for "total Cepi"*** *is calculated with exports outside Cepi*

Exports of Paper for Recycling by Region

'000 Tonnes	2001	2005	2010	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	% Chge vs. 2023	% Share of Total
EU Non-Cepi Countries															
Turkey															
Switzerland															
Russia															
Others															
Total Other Europe															
Total North America															
Total Latin America															
India															
Vietnam															
Indonesia															
Malaysia															
Thailand															
China															
Other Asia															
Total Asia															
Africa															
Oceania															
Others															
Rest of the World															
Total Exports															

Exports of Paper for Recycling by Grade

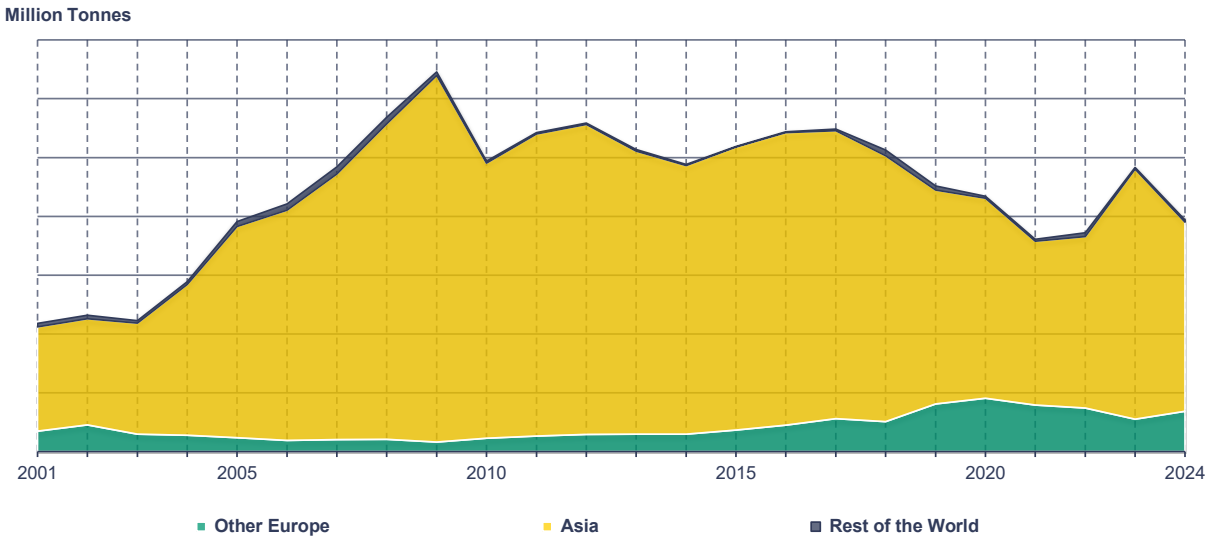
'000 Tonnes	2001	2005	2010	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	% Chge vs. 2023	% Share of Total
Mixed Grades															
Corrugated and Kraft															
Newspapers and Magazines															
Other Grades															
Total Paper for Recycling															

Exports[1] of Paper for Recycling by Country

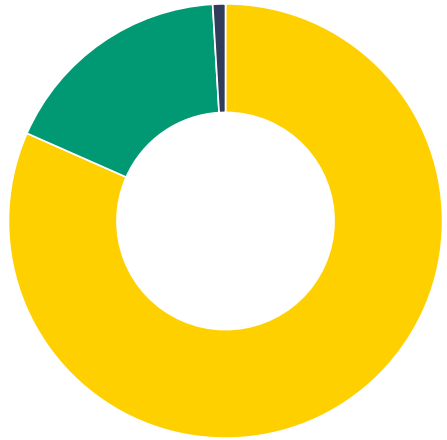
'000 Tonnes	2001	2005	2010	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	% Chge vs. 2023	% Share of Total
Austria															
Belgium															
Czech Republic															
Finland															
France															
Germany															
Greece															
Hungary															
Italy															
Netherlands															
Norway															
Poland															
Portugal															
Romania															
Slovakia															
Slovenia															
Spain															
Sweden															
United Kingdom															
Total Cepi															

[1] *Include exports to other Cepi countries*

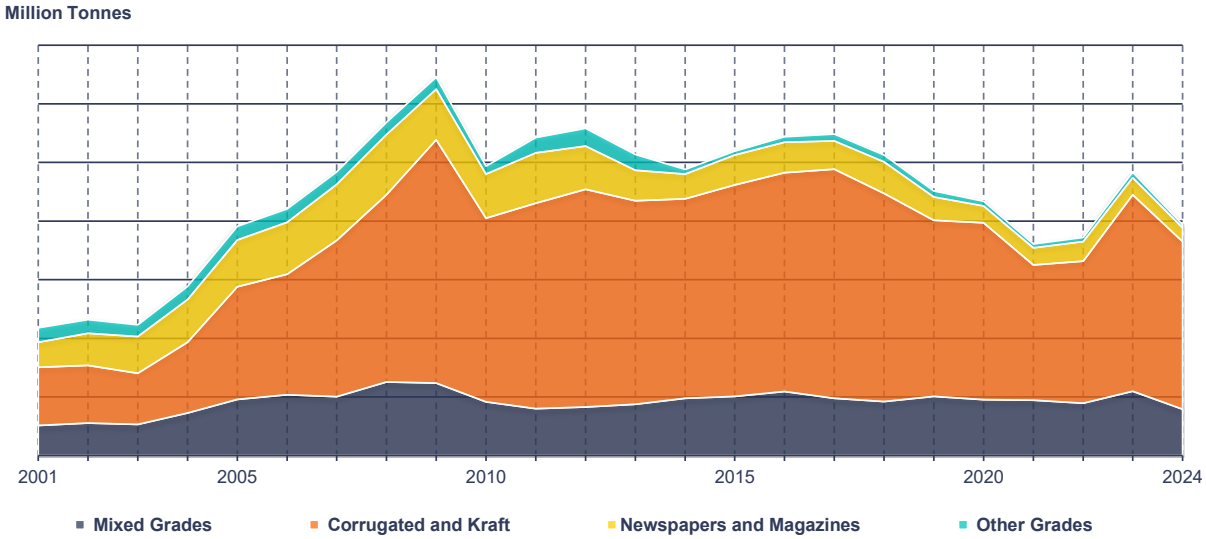
Exports of Paper for Recycling by Region



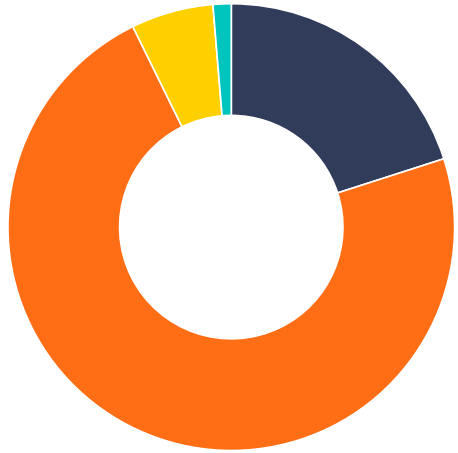
Exports of Paper for Recycling by Region in 2024



Exports of Paper for Recycling by Grade



Exports of Paper for Recycling by Grade in 2024



Imports of Paper for Recycling by Region

'000 Tonnes	2001	2005	2010	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	% Chge vs. 2023	% Share of Total
EU Non-Cepi Countries															
Russia															
Switzerland															
Turkey															
Others															
Total Other Europe															
United States of America															
Canada															
Total North America															
Brazil															
Other Latin America															
Total Latin America															
China															
Japan															
Other Asia															
Total Asia															
Africa															
Oceania															
Others															
Rest of the World															
Total Outside Cepi															

Imports of Paper for Recycling by Grade

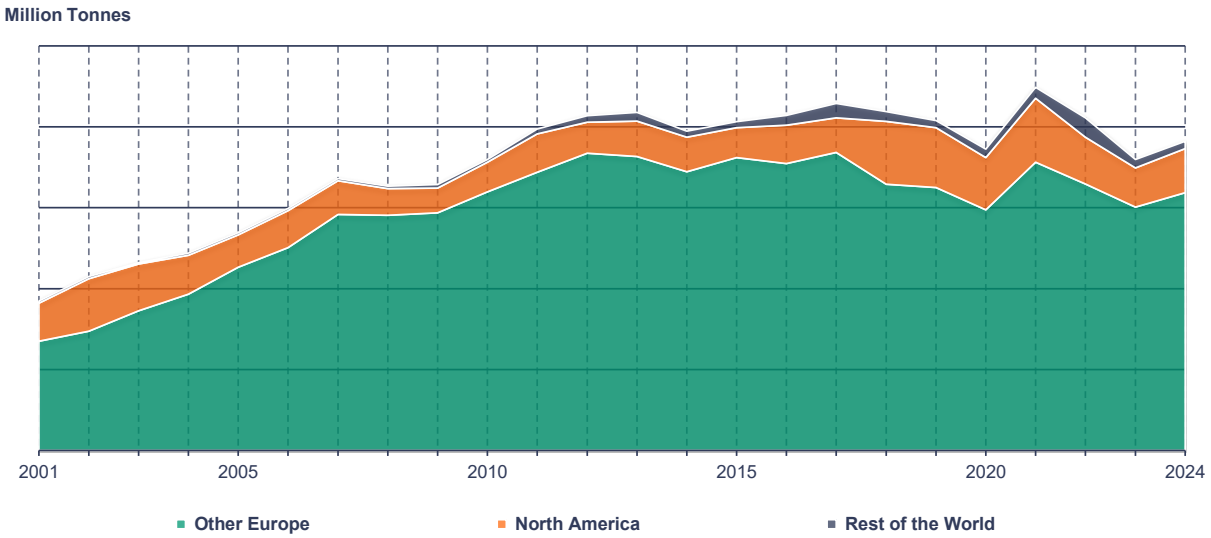
'000 Tonnes	2001	2005	2010	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	% Chge vs. 2023	% Share of Total
Mixed Grades															
Corrugated and Kraft															
Newspapers and Magazines															
Other Grades															
Total Paper for Recycling															

Imports[1] of Paper for Recycling by Country

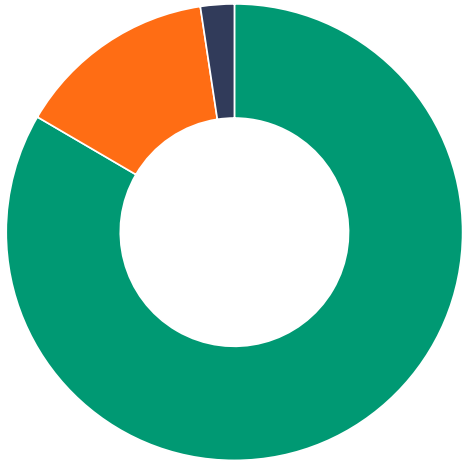
'000 Tonnes	2001	2005	2010	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	% Chge vs. 2023	% Share of Total
Austria															
Belgium															
Czech Republic															
Finland															
France															
Germany															
Greece															
Hungary															
Italy															
Netherlands															
Norway															
Poland															
Portugal															
Romania															
Slovakia															
Slovenia															
Spain															
Sweden															
United Kingdom															
Total Cepi															

[1] *Include imports from other Cepi countries*

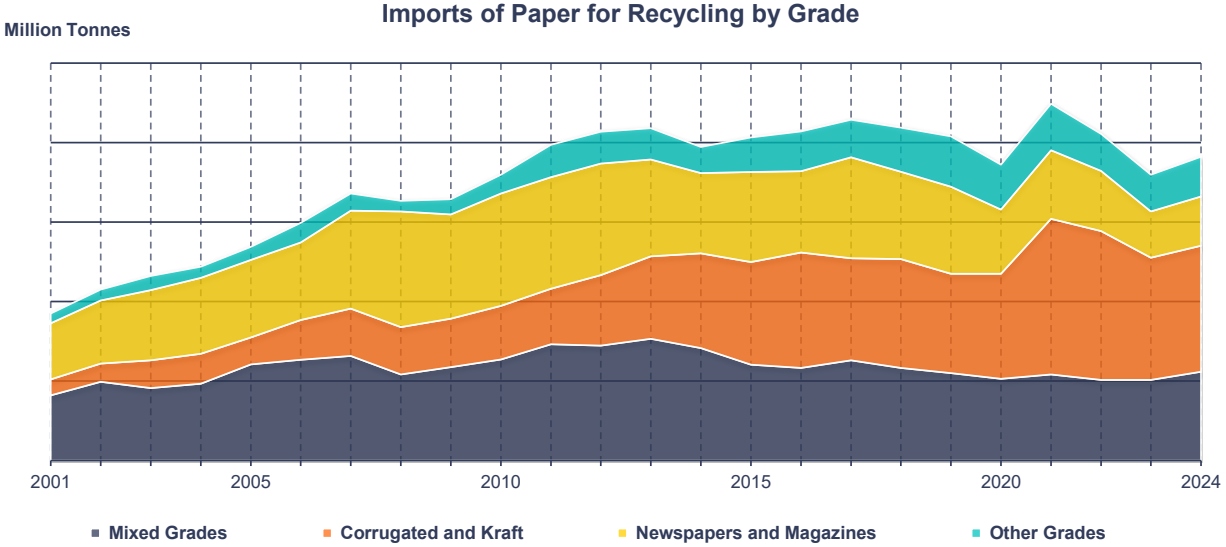
Imports of Paper for Recycling by Region



Imports of Paper for Recycling by Region in 2024



Imports of Paper for Recycling by Grade



Imports of Paper for Recycling by Grade in 2024

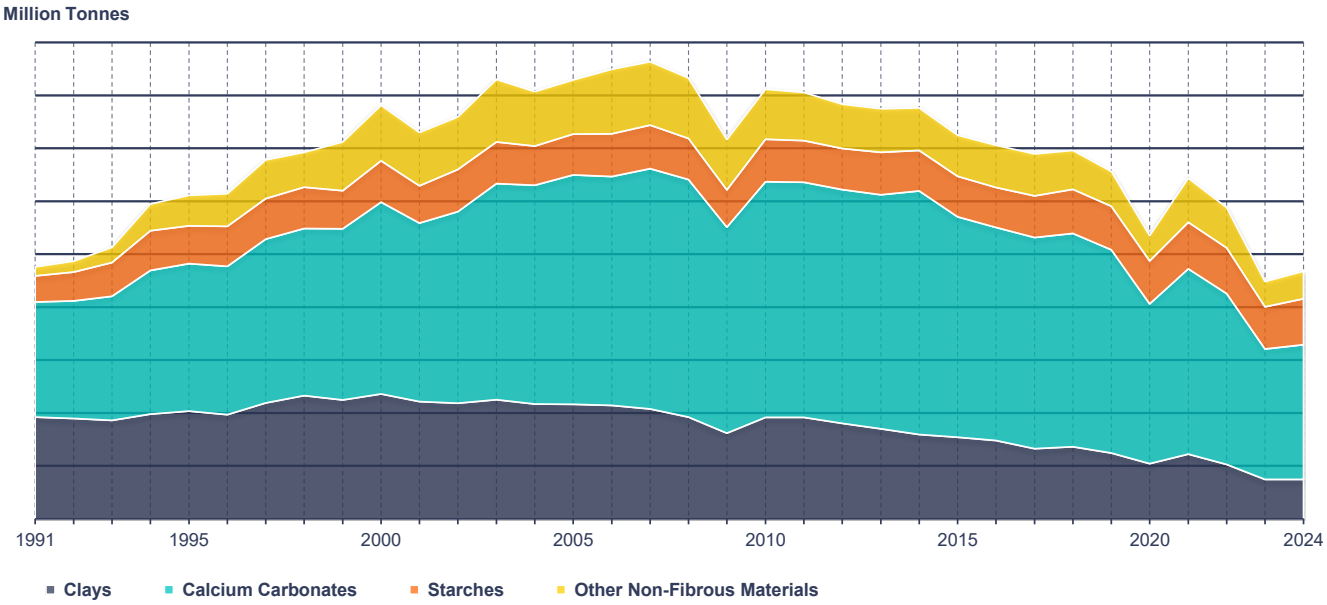


Non-Fibrous Materials Consumption

'000 Tonnes	1991	1995	2000	2005	2010	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	% Chge vs. 2023	% Share of Total
Clays (coating and filler)																	
Calcium Carbonates (coating and filler)																	
Starches (native and modified)																	
Other Non-Fibrous Materials																	
Total Cepi[1]																	

[1] *Some figures have been estimated by Cepi in order to keep consistency in "Total Cepi" numbers*

Non-Fibrous Materials Consumption



Non-Fibrous Materials Consumption in 2024



Non-Fibrous Materials Consumption by Country

'000 Tonnes	1991	1995	2000	2005	2010	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	% Chge vs. 2023	% Share of Total
Austria																	
Belgium																	
Czech Republic																	
Finland[1]																	
France																	
Germany																	
Greece																	
Hungary																	
Italy																	
Netherlands																	
Norway																	
Poland																	
Portugal																	
Romania																	
Slovakia																	
Slovenia																	
Spain																	
Sweden																	
United Kingdom																	
Total Cepi																	

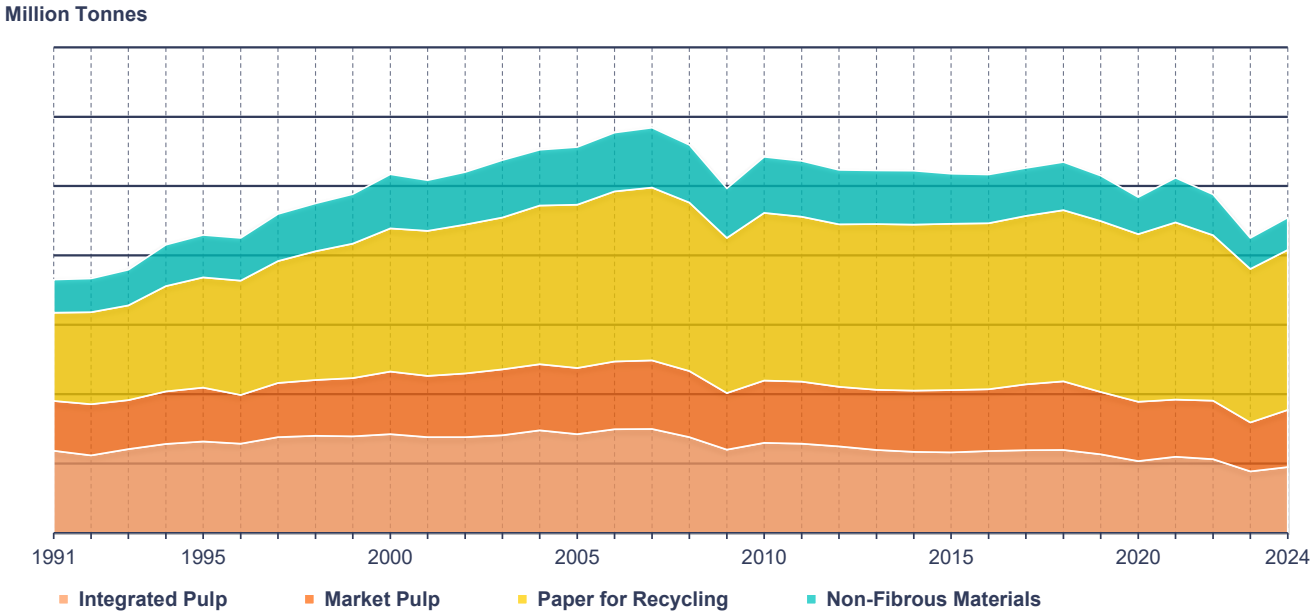
n.a. *: Figures have been estimated by Cepi and included in the "Total Cepi" numbers.*

[1] ***Finland:*** *figures from 2014 include only filling and coating pigments*

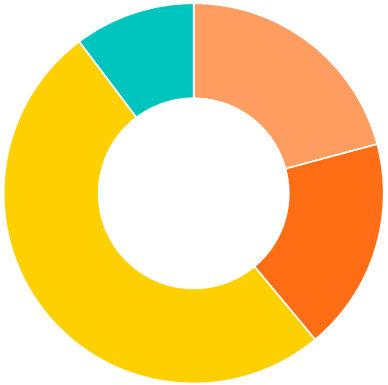
Raw Materials Consumption

'000 Tonnes	1991	1995	2000	2005	2010	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	% Chge vs. 2023	% Share of Total
Integrated Pulp																	
Market Pulp																	
Paper for Recycling																	
Non-Fibrous Materials																	
Total Raw Materials																	

Raw Materials Consumption



Raw Materials Consumption in 2024



Raw Materials Consumption by Country

'000 Tonnes	1991	1995	2000	2005	2010	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	% Chge vs. 2023	% Share of Total
Austria																	
Belgium																	
Czech Republic																	
Finland																	
France																	
Germany																	
Greece																	
Hungary																	
Italy																	
Netherlands																	
Norway																	
Poland																	
Portugal																	
Romania																	
Slovakia																	
Slovenia																	
Spain																	
Sweden																	
United Kingdom																	
Total Cepi																	

Primary Energy Consumption[1]

'000 TJ	1991	1995	2000	2005	2010	2015	2016	2017	2018	2019	2020	2021	2022	2023	% Chge vs. 2022	% Share of Total[3]
Gas																
Fuel Oil																
Coal																
Other Fossil Fuels																
Biomass																
Others																
Total Fuels Consumption																
Net Bought Electricity																
Total Primary Energy Consumption																
Fraction of Biomass in Total Fuels Consumption																

Electricity Consumption[1]

'000 GWh	1991	1995	2000	2005	2010	2015	2016	2017	2018	2019	2020	2021	2022	2023	% Chge vs. 2022	% Share of Total
Total Electricity Produced at Site																
Purchased Electricity																
Sold Electricity																
Total Electricity Consumption																
% of Electricity produced through CHP[2]																

[1] *Excluding Greece, Hungary , Romania & Slovenia - excluding Poland before 2003.*

2024 data will be available in 2026.

[2] ***CHP:*** *combined heat and power (compared to total on-site electricity generation).*

[3] *Share of total primary energy consumption (including net bought electricity).*

Absolute and Specific Emissions[1]

	1991	1995	2000	2005	2010	2015	2016	2017	2018	2019	2020	2021	2022	2023	% Chge vs. 2022	% Chge vs. 1991
Energy Consumption																
Production of Market Pulp and Paper & Board ('000 Tonnes)																
Specific Primary Energy Consumption (Tj/kt)																
Specific Electricity Consumption (MWh/kt)																
Direct CO_2 Emissions [2]																
Absolute (Mega Tonnes)																
Specific (kt CO_2 / kt of product)																
Indirect CO_2 Emissions[3]																
Absolute (Mega Tonnes)																
Specific (kt CO_2 / kt of product)																
Water Specific Emissions																
COD (kg / T of product)																
AOX (kg / T of product)																
Air Specific Emissions																
SO_2 (kg S / T of product)																
NOx (kg NOx / T of product)																

[1] *Excluding Greece, Hungary , Romania & Slovenia - excluding Poland before 2003 - 2024 data will be available in 2026.*

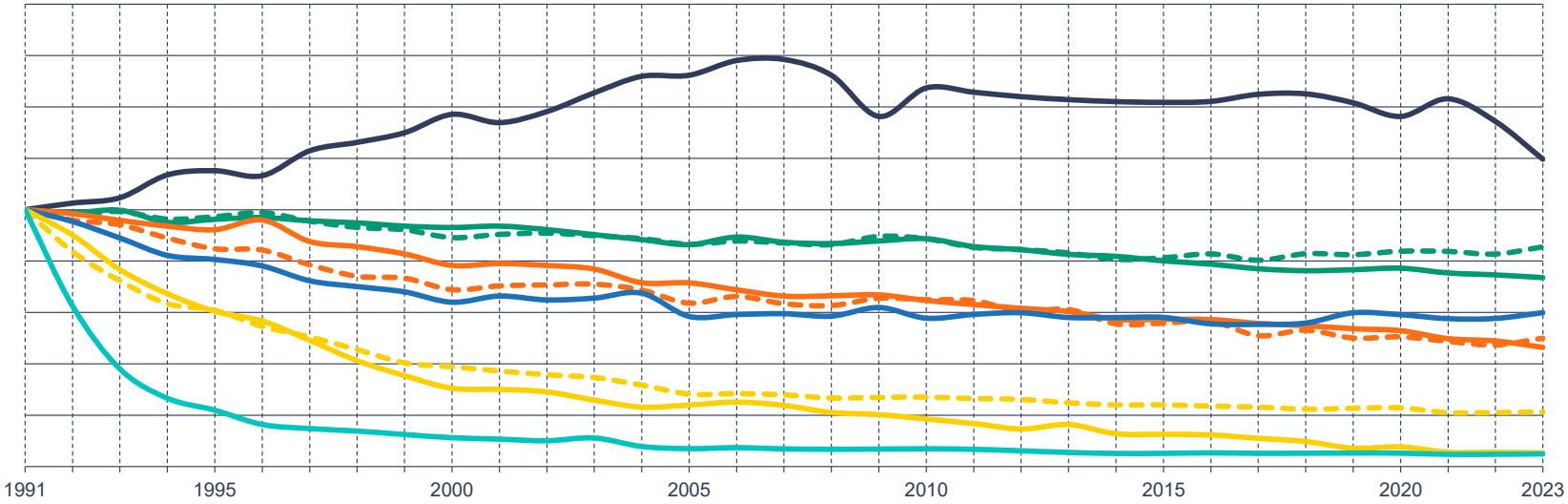
[2] *Including all Cepi countries from 2005.*

***Direct CO_2 Emissions**: fossil emissions produced by the pulp and paper mills and connected energy plants.*

[3] ***Indirect CO_2 emissions:** CO_2 emissions from net bought electricity, calculated as "net bought electricity" multiplied by the "electricity emissions factor" applied in each country.*

Evolution of Environmental Impacts

Index of Specific Values (1991 = 100)

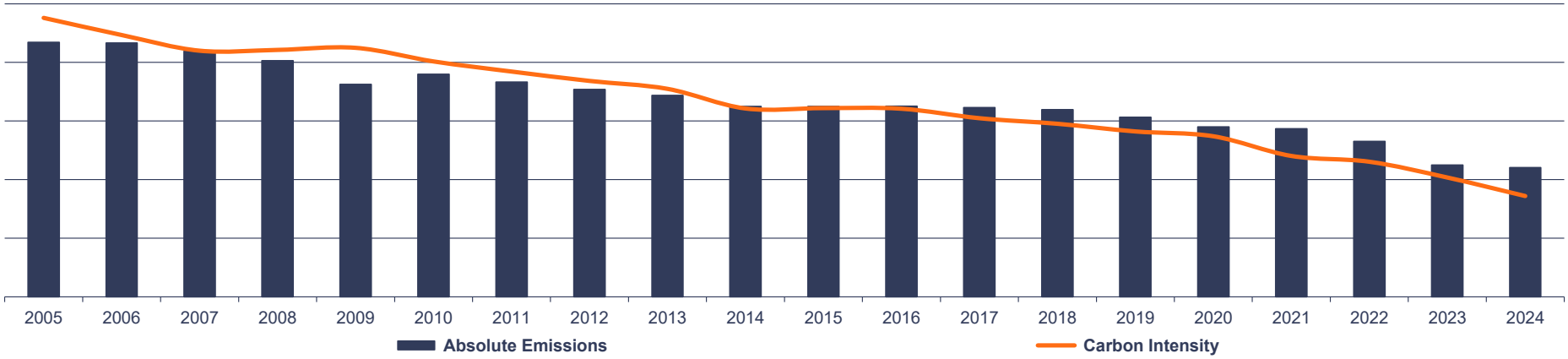


Water Emissions: *COD (Chemical Oxygen Demand) - AOX* ***Air Emissions:*** *CO_2 - NOX (Azote Oxydes) - SO_2*

***Water Intake:** Due to the change in data collection system in one country, 2019 data on water can't be compared to 2018 data.*

CO_2 Emissions

Absolute Emissions (Million Tonnes) **Carbon Intensity**[1]



[1] ***Carbon Intensity:*** *Specific CO_2 emissions (kt CO2 / kt of product)*

Operating Environment

Population

Population[1]

Millions	1991	1995	2000	2005	2010	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	% Share of Total
Austria																
Belgium																
Czech Republic																
Finland																
France																
Germany																
Greece																
Hungary																
Italy																
Netherlands																
Norway																
Poland																
Portugal																
Romania																
Slovakia																
Slovenia																
Spain																
Sweden																
United Kingdom																
Total Cepi																
Total EU-27																

Source: *Eurostat*

[1] *Population on 1st January of reported year*

Per Capita Paper and Board Consumption

Per Capita Paper and Board Apparent Consumption[1]

kgs per capita	1991	1995	2000	2009	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Austria															
Belgium															
Czech Republic															
Finland															
France															
Germany															
Greece															
Hungary															
Italy															
Netherlands															
Norway															
Poland															
Portugal															
Romania															
Slovakia															
Slovenia															
Spain															
Sweden															
United Kingdom															
Total Cepi															

Source: *Cepi and Eurostat*

[1] ***Paper and Board Apparent Consumption***
Per capita apparent consumption of paper and board is a calculation taking the amount of paper and board consumed in each country divided by the number of the population in that country. It cannot be assumed to be the average amount of finished paper and board or articles of paper and board used by an individual. Consumption by companies, and more broadly the whole economy, is included.

Gross Domestic Product

Gross Domestic Product[1]

Billion Euros	1991	1995	2000	2005	2010	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	% Share of Total
Austria																
Belgium																
Czech Republic																
Finland																
France																
Germany																
Greece																
Hungary																
Italy																
Netherlands																
Norway																
Poland																
Portugal																
Romania																
Slovakia																
Slovenia																
Spain																
Sweden																
United Kingdom																
Total Cepi																
Total EU-27																

Source: *Eurostat*

[1] *Gross Domestic Product: current prices*

General Notes

Unless another source is indicated, all the figures are taken from returns to Cepi by member associations.

In view of problems in the official intra-EU statistics, where these are known to be deficient and respondents could provide more truly representative data, they were asked to do so.

The term “paper” covers paper and board of all grammages.

Where figures are not available “n.a.” is indicated.

Some totals may not add up due to rounding.

In many cases, 2023 figures have been revised and therefore differ from those reported in the previous edition.

Graphs

All graphs represent total Cepi unless otherwise indicated.

Because of small percentages represented some pie charts may not add up to 100%.

Please note that for clearer representation purposes, for some graphs the vertical axis does not start at zero.

Glossary

Cepi: Confederation of European Paper Industries

FAO: Food and Agriculture Organization of the United Nations

IMF: International Monetary Fund

AF&PA: The American Forest & Paper Association

PPPC: Pulp and Paper Products Council

JPA: Japan Paper Association

KPMA: Korea Paper Manufacturers' Association

IBA: Indústria Brasileira de Árvores

TDM: Trade Data Monitor

Country Coding

Austria: AT - Belgium: BE - Czech Republic: CZ - Finland: FI - France: FR - Germany: DE - Greece: GR - Hungary: HU - Italy: IT

The Netherlands: NL - Norway: NO - Poland: PL - Portugal: PT - Romania: RO - Slovakia: SK - Slovenia: SI - Spain: ES

Sweden: SE - United Kingdom: UK

Notes related to Cepi Countries

Austria (AT)

Annual data for Austria has been provided by AUSTROPAPIER.
Paper and board consumption and paper for recycling collection have been adjusted by Austropapier. These figures have been used to calculate the recycling rate of paper for recycling.
Capacities, Wood consumption, Pulp data, Non-Fibrous Materials: figures have been estimated by Cepi.

Belgium (BE)

Annual data for Belgium has been provided by INDUFED.
Paper and board consumption has been adjusted by Indufed, leading to a recycling rate closer to the reality.This figure has been used to calculate the recycling rate of paper for recycling.
Wood: figures have been provided in Raw Tonnes. Conversion into m³ has been made by Cepi.

Czech Republic (CZ)

Annual data for Czech Republic has been provided by ACPP.

Finland (FI)

Annual data for Finland has been provided by FFIF.
Paper and board consumption has been adjusted by FFIF to take into account trade of converted and printed materials.
Paper for recycling collection has been adjusted by FFIF. These figures have been used to calculate the recycling rate of paper for recycling.

France (FR)

Annual data for France has been provided by COPACEL.
Paper for recycling collection has been adjusted by Copacel. This figure has been used to calculate the recycling rate of paper for recycling.
Wood: figures have been provided in Tonnes. Conversion into m³ has been made by Cepi.

Germany (DE)

Annual data for Germany has been provided by DIE PAPIERINDUSTRIE.

Greece (GR)

All figures of the Greek pulp & paper industry reported in this document have been estimated by Cepi.
Sources: Trade Data Monitor, Eurostat, Fastmarkets.

Hungary (HU)

All figures of the Hungarian pulp and paper industry reported in this document have been estimated by Cepi.
Sources: Hamburger recycling mill, Trade Data Monitor, Eurostat, Fastmarkets.

Italy (IT)

Annual data for Italy has been provided by ASSOCARTA
Wood consumption: figures have been estimated by Cepi.

Netherlands (NL)

Annual data for The Netherlands has been provided by Royal VNP.

Norway (NO)

Annual data for Norway has been provided by Norsk Industri.

Poland (PL)

Annual data for Poland has been provided by SPP.
Capacities, Non-Fibrous Materials, Turnover and Employment: figures have been estimated by Cepi.

Portugal (PT)

Annual data for Portugal has been provided by BIOND.
Paper and board production for some grades has been estimated by Cepi.
Paper for recycling: part of paper for recycling urilisation has been estimated by Cepi.
Wood, Turnover and Employment: figures have been estimated by Cepi.

Romania (RO)

Annual data for Romania since 2004 have been provided by ROMPAP. Figures from 1991 to 2003 have been estimated by Cepi. Sources: Pöyry, Fastmarkets.
Paper for Recycling Utilisation by sector: figures have been estimated by Cepi.
Non-Fibrous Materials, Structure, Paper and Board Trade, Paper for Recycling Trade and Pulp Trade: figures have been estimated by Cepi. Sources: Eurostat, TDM, Fastmarkets.

Slovakia (SK)

Annual data for Slovakia has been provided by ZCPP SR.
Non-Fibrous Materials, Structure, Paper and Board Trade, Paper for Recycling Trade and Pulp Trade: figures have been estimated by Cepi. Sources: Eurostat, TDM, Fastmarkets.

Slovenia (SI)

Annual data for Slovenia since 2009 have been provided by the Chamber of Commerce and Industry of Slovenia.
Figures from 1991 to 2008 have been estimated by Cepi. Sources: Pöyry, Fastmarkets.
Paper for Recycling Utilisation by sector: figures have been estimated by Cepi.
Non-Fibrous Materials, Structure, Paper and Board Trade, Paper for Recycling Trade and Pulp Trade: figures have been estimated by Cepi. Sources: Eurostat, TDM, Fastmarkets.

Spain (ES)

Annual data for Spain has been provided by ASPAPEL.
Paper and board consumption has been adjusted by Aspapel to take into account trade of converted materials to better reflect the reality. This figure has been used to calculate the recycling rate of paper for recycling

Sweden (SE)

Annual data for Sweden has been provided by SFIF.
Paper and board consumption and paper for recycling collection have been adjusted by SFIF. These figures have been used to calculate the recycling rate of paper for recycling.

United Kingdom (UK)

Annual data for United Kingdom has been provided by CPI.
Paper and board consumption has been adjusted by CPI. This figure has been used to calculate the recycling rate of paper for recycling.
Turnover: figures have been estimated by Cepi.

Notes and Definitions

Operating Environment and Industry Structure

Definitions

More information and details related to the definitions and descriptions of terms and categories used in the European Paper Industry can be found in the new Cepi booklet "Pulp and Paper Industry - Definitions and Concepts".

https://www.cepi.org/definitions-and-concepts-in-the-pulp-and-paper-industry-statistics/

Gross Domestic Product

A measure of economic activity, namely the value of an economy's total output of goods and services, less intermediate consumption, plus net taxes on products and imports, in a specified period. GDP can be broken down by output, expenditure or income components. The main expenditure aggregates that make up GDP are household final consumption, government final consumption, gross fixed capital formation, changes in inventories, and imports and exports of goods and services (including intra-eu trade). (Source: European Central Bank)

Number of Companies

Pulp and paper manufacturing companies or firms formed in accordance with the law of a Cepi member country. Company means a separate legal unit (limited, GmbH, S.A., AB. A/S, etc.) even if it is part of a bigger group, holding, etc.
The figure for the number of pulp and papermaking companies in all Cepi countries is an aggregate of all the companies from each individual country. If those companies with operations in more than one country are only counted once then it is estimated that the number of companies operating in the pulp and papermaking industry in Cepi countries is approximately 515 (Group or Corporation).

Number of Mills (Pulp and Paper and Board)

The number of mills producing pulp and/or paper as recorded by Cepi member associations as being in production during the year concerned (includes mills which have ceased/commenced production during the year).

Number of Paper Machines

The number of machines producing paper as recorded by Cepi member associations as being in production during the year concerned (includes machines which have ceased/commenced production during the year).

Capacity

Capacity is defined as the practical maximum tonnage of pulp, paper or paperboard of normal commercial quality that can be produced each year with full use of equipment and adequate supplies of raw materials and labour, and assuming full demand. No allowance is made for losses due to unscheduled shut downs, strikes, temporary loss of power, etc. Allowance is made for new mills or machines, normally phasing the additional capacity over the first few years of operation, and for facilities which have been closed down with no intention of resuming production. Where a paper machine produces more than one grade, the capacity is apportioned between the grades according to production plans for future operation. (Source: FAO)

Average size of mills (Pulp or Paper and Board)

Total production divided by the total number of mills.

Operating Rate (Pulp or Paper and Board)

The amount of pulp or paper produced annually compared to the amount of capacity available to produce pulp or paper.

Employment

The number of employees concerned with the manufacture of pulp and/or paper as recorded by Cepi member associations at a specific point during the year concerned. Includes all full-time and part-time employees in what might be classed as blue-collar and white-collar occupations.

Turnover

Turnover comprises the totals invoiced by the observation unit during the reference period, and this corresponds to market sales of goods or services supplied to third parties. Turnover includes all duties and taxes on the goods or services invoiced by the unit with the exception of the VAT invoiced by the unit vis-à-vis its customer and other similar deductible taxes directly linked to turnover. It also includes all other charges (transport, packaging, etc.) passed on to the customer, even if these charges are listed separately in the invoice. Reduction in prices, rebates and discounts as well as the value of returned packing must be deducted. Income classified as other operating income, financial income and extra-ordinary income in company accounts is excluded from turnover. Operating subsidies received from public authorities or the institutions of the European Union are also excluded. (Source: Eurostat).

Investments

Investments made during the reference period in all tangible goods. Included are new and existing tangible capital goods, whether bought from third parties or produced for own use (i.e. Capitalised production of tangible capital goods), having a useful life of more than one year including non-produced tangible goods such as land. The threshold for the useful life of a good that can be capitalised may be increased according to company accounting practices where these practices require a greater expected useful life than the 1 year threshold indicated above. All investments are valued prior to (i.e. gross of) value adjustments, and before the deduction of income from disposals. Purchased goods are valued at purchase price, i.e. transport and installation charges, fees, taxes and other costs of ownership transfer are included. Own produced tangible goods are valued at production cost. Goods acquired through restructurations (such as mergers, take-overs, break-ups, split-off) are excluded. Purchases of small tools which are not capitalised are included under current expenditure. Also included are all additions, alterations, improvements and renovations which prolong the service life or increase the productive capacity of capital goods. (Source: Eurostat)

Added Value

Added value at factor cost is the gross income from operating activities after adjusting for operating subsidies and indirect taxes. It can be calculated from turnover, plus capitalised production, plus other operating income, plus or minus the changes in stocks, minus the purchases of goods and services, minus other taxes on products which are linked to turnover but not deductible, minus the duties and taxes linked to production. Alternatively it can be calculated from gross operating surplus by adding personnel costs. Income and expenditure classified as financial or extra-ordinary in company accounts is excluded from value added. Value added at factor costs is calculated "gross" as value adjustments (such as depreciation) are not subtracted. (Source: Eurostat)

Pulp

This report includes statistics on pulp production, trade and consumption within the Cepi countries. The report shows figures for total pulp production, i.e. both integrated pulp and market pulp.

Integrated Pulp Production

Integrated pulp is produced for use as raw material in the production of paper at the same mill, or for shipment by a producing mill to other mills, which it owns, controls or with which it is affiliated within the same country and therefore not sold on the open market.

Market Pulp Production

Market pulp is pulp that is sold in open competition with that of other producers. All pulp exported from the producing country is considered to be market pulp.

Pulp Consumption

Production + Imports from other Cepi Countries + Imports from outside Cepi – Exports to other Cepi Countries – Exports to outside Cepi

Pulp Grades

Pulp grades are classified according to their production process.

Mechanical Pulp

Stone groundwood: pulp produced by grinding wood into relatively short fibres. This pulp is used mainly in newsprint and wood-containing papers, like LWC (light-weight coated) and SC papers. Cepi Harmonised Code is 923 000 000.
Thermo-mechanical (TMP): pulp produced in a thermo-mechanical process where wood particles are softened by steam before entering a pressurised refiner. TMP has mainly the same end-uses as stone groundwood. Variants of the above two processes produce pressurised stone groundwood pulp and refiner mechanical pulp. Cepi Harmonised Code is 923 400 000.

Semi-Chemical Pulp

Semi-chemical: pulp produced in a two-stage process which involves partial digestion with chemicals, followed by mechanical treatment in a disc refiner. This pulp is mainly used in the production of fluting medium for corrugated board. Cepi Harmonised Code is 921 000 000.
Chemi-thermomechanical (CTMP): pulp produced in a similar way to TMP, but the wood particles are chemically treated before entering the refiner. This pulp has properties suited to tissue manufacture. Some CTMP is used in printing and writing grades. CTMP is classified under semi-chemical pulps in the Harmonised System of the Customs Co-operation Council. In the FAO, as well as in other industry statistics, such chemi-thermomechanical pulps are grouped with mechanical pulp.

Chemical Pulp

Sulphite: pulp produced by cooking wood chips in a pressure vessel in the presence of bisulphite liquor. End-uses range from newsprint, printing and writing papers, tissue and sanitary papers. Sulphite can be either bleached or unbleached. Cepi Harmonised Code is 922 200 000.
Sulphate (or kraft): pulp produced by cooking wood chips in pressure vessels in the presence of a sodium hydroxide (soda) liquor. The pulp may be unbleached or bleached. End-uses are widespread, with bleached pulp particularly used for graphic papers, tissue and carton boards. Unbleached pulp is commonly used in liner for corrugated board, wrappings, sack and bag papers, envelopes and other unbleached speciality papers. Cepi Harmonised Code is 922 100 000.

Other Pulp

Pulp produced from fibres other than wood, such as sugar cane bagasse, wheat straw, kenaf, cotton rags and hemp.

Deinked Pulps

Pulp made from recovered paper from which inks and other contaminants have been removed.

Paper and Board Consumption

Production + Imports from other Cepi Countries + Imports from outside Cepi – Exports to other Cepi Countries – Exports to outside Cepi

Per Capita Consumption

Per capita consumption of paper and board here is a calculation taking the amount of paper and board consumed in each country (for this report the amount of paper and board delivered domestically by paper manufacturers plus imports) divided by the number of the population in that country. It cannot be assumed to be the average amount of finished paper and board or articles of paper and board used by an individual. Consumption by companies, and more broadly the whole economy, is included.

Paper and Board Grades

Graphic Papers

Newsprint: paper mainly used for printing newspapers. It is made largely from mechanical pulp and/or recovered paper, with or without a small amount of filler. Weights usually range from 40 to 52g/m² but can be as high as 65g/m². Newsprint is machine-finished or slightly calendered, white or slightly coloured and is used in reels for letterpress, offset or flexo-printing.
The Cepi Harmonised Code for Newsprint is 100 000 000.

Uncoated mechanical: paper suitable for printing or other graphic purposes where less than 90% of the fibre furnish consists of chemical pulp fibres. This grade is also known as groundwood or wood-containing paper and magazine paper, such as heavily filled super-calendered paper for consumer magazines printed by the rotogravure and offset methods.
The Cepi Harmonised Code for Uncoated Mechanical is 211 000 000.

Uncoated woodfree: paper suitable for printing or other graphic purposes, where at least 90% of the fibre furnish consists of chemical pulp fibres. Uncoated woodfree paper can be made from a variety of furnishes, with variable levels of mineral filler and a range of finishing processes such as sizing, calendering, machine-glazing and watermarking. This grade includes most office papers, such as business forms, copier, computer, stationery and book papers. Pigmented and size press “coated ” papers (coating less than 5g per side) are covered by this heading. The Cepi Harmonised Code for Uncoated Woodfree is 231 000 000.

Coated papers: all paper suitable for printing or other graphic purposes and coated on one or both sides with minerals such as china clay (kaolin), calcium carbonate, etc. Coating may be by a variety of methods, both on-machine and off-machine, and may be supplemented by super-calendering. Coated Mechanical papers are made of fibres produced mainly (90%) by a mechanical pulping process and are also known as coated groundwood. Coated Woodfree papers are made of fibres produced mainly (90%) by a chemical pulping process and are also known as coated freesheet.
The Cepi Harmonised Code for Coated Mechanical is 212 000 000 and for Coated Woodfree is 232 000 000.

Tissue Paper (also known as Sanitary and Household, Hygiene Paper)

Base paper made from lightweight, dry or wet creped paper and some non-creped paper, predominantly made from natural fibres. These fibres can be issued from virgin pulp or recycled pulp, a mixture of both, or in some cases non-wood fibres.
The base paper material is taken from the tissue machine as a single-ply web wound up on a roll/reel. The base paper is intended to manufacture single-ply or multi-ply tissue products. A typical grammage of single ply tissue base paper ranges from 10 g/m2 to 50 g/m2. The sub-grades of tissue paper are cellulose wadding, tissue<25g, tissue>25g and other tissue paper.
The Cepi Harmonised Code for Tissue Paper is 700 000 000.

As of 1 January 2025, the paper category “Sanitary and Household” becomes “Tissue Paper”, resulting from a joint Cepi and European Tissue Symposium (ETS) decision to ensure a more consistent and accurate approach to data collection and sector recognition.

Packaging Paper and Board

Containerboard: papers and boards mainly used in the manufacture of corrugated board. They are made from any combination of virgin and recovered fibres and can be bleached, unbleached or mottled. Fluting is the middle ply with outer layers called the liners. Included are kraftliner, testliner, semi-chemical fluting, and recovered paper-based fluting (Wellenstoff). Main uses include corrugated boxes, transport packaging, storage and product display. Also known as case materials, corrugated case materials, cardboard, linerboard or corrugating medium. The Cepi Harmonised Code for Case Materials is 300 000 000.

Cartonboard (can also be written as Carton Board): may be single or multiply, coated or uncoated. It is made from virgin and/or recovered fibres, and has good folding properties, stiffness and scoring ability. It is mainly used in cartons for consumer products such as frozen food, cosmetics and for liquid containers. Also known as solid board, folding box board, boxboard or carrier board.
The Cepi Harmonised Code for Cartonboard is 400 000 000.

Wrappings: papers whose main use is wrapping or packaging made from any combination of virgin or recovered fibres, bleached or unbleached. They may be subject to various finishing and/or marking processes. Included are sack kraft, other wrapping krafts, sulphite and grease-proof papers. The Cepi Harmonised Code for Wrappings is 500 000 000.

Other paper and board for packaging: this category embraces all paper and board mainly for packaging purposes other than those listed above. Most are produced from recovered fibres, e.g. greyboards, and go for conversion, which in some cases may be for end-uses other than packaging including book covers and games. Also known as greyboard or unlined chip.
The Cepi Harmonised Code for Other Packaging is 600 000 000.

Other Paper and Board

Other paper and board for industrial and special purposes: This wide ranging category includes cigarette papers and filter papers, as well as gypsum liners and special papers for waxing, insulating, roofing, asphalting, and other specific applications or treatments. The Cepi Harmonised Code for Special Paper and Board is 800 000 000.

Paper for Recycling

Utilisation

Use of paper for recycling as raw material.
Volumes entering the mill gates. Mill broke are not included.

Recovery

Principle of waste management policy including reuse, material recycling, composting and energy recovery as well as exports for similar purposes.

Recycling

Reprocessing of paper for recycling in a production process for the original purpose or for other purposes, including composting but excluding energy recovery.

Collection

separate collection of paper and paper products from industrial and commercial outlets, from households and offices for recovery. (Collection includes transport to the sorting or recycling plant/paper mill.)
Collection = utilisation plus exports minus imports of paper for recycling.

Utilisation Rate

Percentage of paper for recycling utilisation compared to the total paper production.
Important Note: Paper for recycling is composed of fibrous material but also unwanted material – non-paper components as well as paper and board detrimental to production. The share of unwanted material depends on the actual collection and sorting of used paper. It varies according to the grades of paper for recycling but its maximum limit is 3% for most post-consumer grades and 1% for most pre-consumer grades according to the EN 643. The volume of recycled fibrous material actually in the new paper is therefore lower than the volume of paper for recycling utilised. The utilisation rate compares paper for recycling utilisation to paper production.

Recycling Rate

Percentage of paper for recycling "utilisation + net trade" compared to total paper consumption.

Utilisation by Sector

Total utilisation of paper for recycling in a sector as percentage of the overall recovered paper use.

Paper for Recycling Classes

Class I - Mixed Grades

Waste and scrap of paper or paperboard, including unsorted waste and scrap.

Class II - Corrugated and Kraft

Unbleached kraft paper or paperboard or corrugated paper or paperboard.

Class III - Newspapers and Magazines

Paper or paperboard made mainly of mechanical pulp (for example, newspapers, journals and similar printed matter). Including old and unsold newspapers and magazines, telephone directories, brochures and printed advertising material.

Class IV - Other Grades

Other paper or paperboard made mainly of bleached chemical pulp, not coloured in the mass.

Wood

Wood Consumption

Use of wood from domestic origin + imports.
Volumes of wood entering the mill gates.

Roundwood: Logs and branches

Chips: Logs and branches which have been processed into chips (particles of wood).

Hardwood: The wood from non-coniferous (broadleaved) trees (trees that do not have needles or cones).

Softwood: The wood from coniferous trees.

Wood - Solid Under Bark: The volume of wood excluding the bark

Non-Fibrous Materials

Certain non-cellulose items are added to the paper stock during the papermaking process in order to impart special characteristics to the final product. The main types of materials used can be mainly grouped by purpose:

Materials for sizing (both internal and surface sizing)

These are used in papermaking to control the absorbency of paper with regards to liquids such as water or ink. Rosin, alum, starch and gelatine are the most commonly used materials for this purpose.

Materials for loading and filling

These are used to improve the optical and physical properties of the final product such as opacity, brightness, smoothness, and ink receptivity. Filler materials include china clay (kaolin - used by papermakers to obtain finish and consistency and also for coating art and chromo paper), calcium carbonate, barium sulphate (barites), talc, and titanium dioxide.

Materials for colouring

Pigments and dyestuffs used to impart colour to the paper and usually added to the pulp whilst in the beater.

Additives used to impart special paper characteristics

In particular the use of starch as a binder to increase the strength of the final paper.

Total Primary Energy Consumption

Use of the primary energy source that has not been subjected to any conversion or transformation process. It is the use of energy contained in raw fuels, and other forms of energy received as input to a system. Primary energy can be non-renewable or renewable.

Specific Primary Energy Consumption

Primary energy use calculated per quantity of the final output (Paper and Board + market pulp).

Specific CO_2 Emissions

CO_2 emissions remitted for the productions of specific quantity of the final output (Paper and Board + market pulp).

Total Electricity Produced on Site

Electrical energy produced on the mill site from different primary sources such as: hidro power, steam boilers, CHPs, recovery boilers, etc.

Purchased Electricity

Electrical energy bought from the public grid and used for production on site

Sold Electricity

Net electrical energy produced on side and send (sold) to the public grid network

CHP – Combined heat and power installation

CHP represents simultaneous production of heat sand electrical energy from one fuel source more which is far more efficient than normal fuel burning.

Specific Emissions to Water

Emissions calculated per quantity of the final output (Paper and Board + market pulp).

COD – Chemical Oxygen Demand

Quantity of oxygen used in biological and non-biological oxidation of materials in water. COD is a measure of water quality important in assessing the strength of an industrial waste where the liquid waste may be toxic or resistant to biological oxidation.

AOX

Organic halogens subject to absorption is a measure of the amount of chlorine (and other halogens) combined with organic compounds.

Specific Emissions to Air

Emissions calculated per quantity of the final output (Paper and board + market pulp).

NOx

Nitrogen oxides including nitric oxide (NO) and nitrogen dioxide (NO2)

SO_2

Sulphur dioxide

Cepi Harmonised Codes

More information about the Cepi Harmonised Code Structure and Cepi Harmonised Grade List is available on the Cepi website (www.Cepi.org)

Paper and Board

100 000 000 - Newsprint: All Grades
211 000 000 - Uncoated Mechanical Graphics: All Grades
231 000 000 - Uncoated Woodfree Graphics: All Grades
212 000 000 - Coated Mechanical Graphics: All Grades
232 000 000 - Coated Woodfree Graphics: All Grades
300 000 000 - Containerboard: All Grades
400 000 000 - Cartonboard: All Grades
500 000 000 - Wrappings < 125gsm: All Grades
600 000 000 - Other Paper and Board for Packaging: All Grades
700 000 000 - Tissue Paper: All Grades
800 000 000 - Other Paper and Board: All Grades

Pulp

923 000 000 - Mechanical Pulp
922 000 000 - Chemical Pulp
922 200 000 - Sulphite Pulp
922 100 000 - Sulphate Pulp
930 000 000 - Other Pulp

Groups of Paper for Recycling Grades

According to the EN 643 “European List of Standard Grades of Paper for Recycling and Board”, the following is the official paper for recycling grade listing:
Mixed Grades: 1.01.00, 1.02.00, 1.03.00, 5.01.00, 5.02.00, 5.03.00, 5.03.01, 5.05.00, 5.05.01, 5.05.02, 5.11.00
Corrugated and Kraft: 1.04.00, 1.04.01, 1.04.02, 1.05.00, 1.05.01, 4.01.00, 4.01.01, 4.02.00, 4.03.00, 4.04.00, 4.05.00, 4.06.00, 4.07.00, 4.08.00, 5.04.00, 5.08.00, 5.12.00, 5.12.01, 5.13.00, 5.13.01
Newspapers and Magazines: 1.06.00, 1.06.01, 1.06.02, 1.07.00, 1.09.00, 1.11.00, 2.01.00, 2.02.00, 2.02.01
Other Grades: 2.03.00, 2.03.01, 2.04.00, 2.04.01, 2.05.00, 2.05.01, 2.06.00, 2.06.01, 2.07.00, 2.07.01, 2.08.00, 2.10.00, 2.11.00, 2.12.00, 2.13.00, 2.14.00, 2.14.01, 3.01.00, 3.02.00, 3.03.00, 3.03.01, 3.04.00, 3.05.00, 3.05.01, 3.06.00, 3.08.00, 3.09.00, 3.10.00, 3.10.01, 3.11.00, 3.11.01, 3.12.00, 3.13.00, 3.14.00, 3.15.00, 3.15.01, 3.16.00, 3.16.01, 3.17.00, 3.18.00, 3.18.01, 3.18.02, 3.19.00, 3.20.00, 3.20.01, 5.05.03, 5.06.00, 5.06.01, 5.07.00, 5.07.01, 5.09.00, 5.10.00, 5.10.01, 5.14.00, 5.14.01

Harmonised System codes for Paper for Recycling

470710 - Waste And Scrap Of Unbleached Kraft Paper Or Paperboard Or Of Corrugated Paper Or Paperboard (Class II)

470720 - Recovered (Waste And Scrap) Paper Or Paperboard, Made Mainly Of Bleached Chemical Pulp, Not Colored In The Mass (Class IV)

470730 - Recovered (Waste And Scrap) Paper Or Paperboard, Made Mainly Of Mechanical Pulp (For Example, Newspapers, Journals And Similar Printed Matter) (Class III)

470790 - Waste And Scrap Of Paper Or Paperboard, Nesoi, Including Unsorted Waste And Scrap (Class I)

European Classifications

Pulp and Paper Industry Activities are classified under these NACE 2 Headings:
C17 Manufacture of paper and paper products
C17.1 Manufacture of pulp, paper and paperboard
C17.1.1 Manufacture of pulp
C17.1.2 Manufacture of paper and paperboard
C17.2 Manufacture of articles of paper and paperboard
C17.2.1 Manufacture of corrugated paper and paperboard and of containers of paper and paperboard
C17.2.2 Manufacture of household and sanitary goods and of toilet requisites
C17.2.3 Manufacture of paper stationery
C17.2.4 Manufacture of wallpaper
C17.2.9 Manufacture of other articles of paper and paperboard
In general data reported to Cepi would be classified under:
C17 Manufacture of paper and paper products
C17.1 Manufacture of pulp, paper and paperboard
C17.1.1 Manufacture of pulp
C17.1.2 Manufacture of paper and paperboard

External Trade activities

External Trade activities relating to the pulp and paper industries are classified under Chapters 47 and 48 of the Combined Nomenclature.
For further details of the Combined Nomenclature see: https://taxation-customs.ec.europa.eu/business/calculation-customs-duties/customs-tariff/combined-nomenclature_en

Alignment of Combined Nomenclature Product Headings with Cepi Grades

Paper and Board grades

Newsprint	Uncoated Mechanical	Uncoated Woodfree	Coated Mechanical	Coated Woodfree	Tissue Paper	Containerboard	Cartonboard	Wrappings	Other Paper and Board for Packaging	Other Paper and Board
4801 00 00	4802 61 15	4802 10 00	4810 22 00	4809 20 00	4803 00 10	4804 11 11	4804 42 00	4804 21 10	4805 93 20	4802 40 10
	4802 61 80	4802 20 00	4810 29 30	4810 13 00	4803 00 31	4804 11 15	4804 49 00	4804 21 90	4807 00 30	4802 40 90
	4802 62 00	4802 54 00	4810 29 80	4810 14 00	4803 00 39	4804 11 19	4804 51 00	4804 29 10	4807 00 80	4804 31 51
	4802 69 00	4802 55 15		4810 19 00	4803 00 90	4804 11 90	4804 52 00	4804 29 90	4823 70 10	4804 41 91
		4802 55 25		4816 20 00	4818 10 10	4804 19 12	4804 59 10	4804 31 58	4823 70 90	4804 41 98
		4802 55 30		4816 90 00	4818 10 90	4804 19 19	4804 59 90	4804 31 80		4805 40 00
		4802 55 90			4818 20 10	4804 19 30	4805 92 00	4804 39 51		4805 50 00
		4802 56 20			4818 20 91	4804 19 90	4805 93 80	4804 39 58		4806 30 00
		4802 56 80			4818 20 99	4805 11 00	4810 32 10	4804 39 80		4809 90 00
		4802 57 00			4818 30 00	4805 12 00	4810 32 90	4805 30 00		4810 99 80
		4802 58 10				4805 19 10	4810 39 00	4805 91 00		4811 60 00
		4802 58 90				4805 19 90	4810 92 10	4806 10 00		4812 00 00
		4823 90 40				4805 24 00	4810 92 30	4806 20 00		4813 10 00
						4805 25 00	4810 92 90	4806 40 10		4813 20 00
							4811 51 00	4806 40 90		4813 90 10
							4811 59 00	4808 40 00		4813 90 90
								4808 90 00		4823 20 00
								4810 31 00		
								4810 99 10		

Alignment of Combined Nomenclature Product Headings with Cepi Grades

Pulp grades

Mechanical & Semi Chemical Pulp	Sulphite Pulp	Sulphate Pulp	Other Pulp
4701 00 10	4704 11 00	4703 11 00	4706 10 00
4701 00 90	4704 19 00	4703 19 00	4706 20 00
4705 00 00	4704 21 00	4703 21 00	4706 30 00
	4704 29 00	4703 29 00	4706 91 00
			4706 92 00
			4706 93 00

Paper for Recycling Classes

Paper for Recycling			
Class I	Class II	Class III	Class IV
4707 90 00	4707 10 00	4707 30 00	4707 20 00

Wood Classification

Softwood Roundwood	Hardwood Roundwood	Softwood Chips	Hardwood Chips
4403 21 90	4403 94 00	4401 21 00	4401 22 10
4403 22 00	4403 95 90		4401 22 90
4403 23 90	4403 96 00		
4403 24 00	4403 97 00		
4403 25 90	4403 98 00		
4403 26 00	4403 99 00		

Cepi uses the following Geonomenclature for its statistics

Europe

Cepi Countries

Austria, Belgium, Czech Republic, Finland, France, Germany, Greece, Hungary, Italy, The Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, United Kingdom.

Other Europe than Cepi Countries

Albania, Andorra, Belarus, Bosnia-Herzegovina, Bulgaria, Croatia, Cyprus, Denmark, Estonia, Faeroe Islands, Gibraltar, Iceland, Ireland, Isle of Man, Kosovo, Latvia, Liechtenstein, Lithuania, Luxembourg, Macedonia, Malta, Moldova (Republic of), Monaco, Montenegro, Russian Federation, San Marino, Serbia, Svalbard & Jan Mayen Islands, Switzerland, Turkey, Ukraine, Vatican City State.

EU-27 Countries

Austria, Belgium, Bulgaria, Croatia Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, The Netherlands, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden.

Africa

Algeria, Angola, Benin, Botswana, British Indian Ocean Territory, Burkina Faso, Burundi, Cameroon, Cape Verde, Central African Republic, Ceuta, Chad, Comoros, Congo, Congo (Democratic Republic), Cote d'Ivoire, Djibouti, Egypt, Equatorial Guinea, Africa, Eritrea, Ethiopia, Gabon, Gambia, Ghana, Guinea, Guinea-Bissau, Kenya, Lesotho, Liberia, Libyan Arab Jamahiriya, Madagascar, Malawi, Mali, Mauritania, Mauritius, Mayotte, Melilla, Morocco, Mozambique, Namibia, Niger, Nigeria, Reunion, Rwanda, Saint Helena, Sao Tome and Principe, Senegal, Seychelles, Sierra Leone, Somalia, South Africa, Sudan, Swaziland, Tanzania, Togo, Tunisia, Uganda, Western Sahara, Zambia, Zimbabwe.

Asia

Afghanistan, Armenia, Azerbaijan, Bahrain, Bangladesh, Bhutan, Brunei, Darussalam, Cambodia, China, Georgia, Hong Kong, India, Indonesia, Iran, Iraq, Israel, Japan, Jordan, Kazakhstan, Korea (Democratic People's Republic of), Korea (Republic of(S)), Kuwait, Kyrgyzstan, Lao People's Democratic Republic, Lebanon, Macao, Malaysia, Maldives, Mongolia, Myanmar, Nepal, Oman, Pakistan, Philippines, Qatar, Saudi Arabia, Singapore, Sri Lanka, Syrian Arab Republic, Taiwan, Tajikistan, Thailand, Timor Leste, Turkmenistan, United Arab Emirates, Uzbekistan, Viet Nam, West bank /Gaza, Yemen.

Latin America

Anguilla, Antigua & Barbuda, Argentina, Aruba, Bahamas, Barbados, Belize, Bermuda, Bolivia, Brazil, Cayman Islands, Chile, Colombia, Costa Rica, Cuba, Dominica, Dominican Republic, Ecuador, El Salvador, Falkland Islands (Malvinas), French Guiana, Grenada, Guadeloupe, Guatemala, Guyana, Haiti, Honduras, Jamaica, Martinique, Mexico, Montserrat, Netherlands Antilles, Nicaragua, Panama, Paraguay, Peru, Puerto Rico, Saint Kitts and Nevis, Saint Lucia, Saint Vincent & Grenadines, Sint-Maarten (France), Suriname, Trinidad & Tobago, Turks & Caicos Islands, Uruguay, Venezuela, Virgin Islands (British), Virgin Islands (U.S.).

North America

Canada, Greenland, Saint Pierre and Miquelon, United States.

Rest of the World

American Samoa, Antarctica, Australia, Bouvet Island, Christmas Island, Cocos (Keeling) Islands, Cook Islands, Fiji, French Polynesia, French Southern Territories, Guam, Hawaiian Islands (U.S.), Heard & McDonald Islands, Kiribati, Marshall Islands, Micronesia (Federated States of), Nauru, New Caledonia, New Zealand, Niue, Norfolk Island, Northern Mariana Islands, Palau, Papua New Guinea, Pitcairn, Samoa, Salomon Islands, South Georgia & South Sandwich Islands, Tokelau, Tonga, Tuvalu, US Minor Outlying Islands, Vanuatu, Wallis & Futuna Islands.