Origin of Fibres 2024

Introduction

Cepi - 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.

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, as well as data downloaded from the Eurostat External Trade Database. 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 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 57 to 60.

Cepi Countries

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

EU-27 Countries

Austria: AT - Belgium: BE - Bulgaria: BG - Croatia: HR - Cyprus: CY - Czech Republic: CZ - Denmark: DK - Estonia: EE - Finland: FI - France: FR - Germany: DE - Greece: GR - Hungary: HU - Ireland: IE - Italy: IT - Latvia: LV - Lithuania: LT - Luxembourg: LU - Malta: MT - The Netherlands: NL - Poland: PL - Portugal: PT - Romania: RO - Slovak Republic: SK - Slovenia: SI - Spain: ES - Sweden: SE.

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/

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
Enzo Berdos - Statistics Officer - e.berdos@Cepi.org

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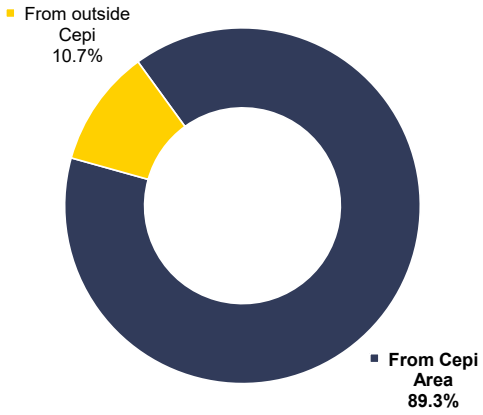
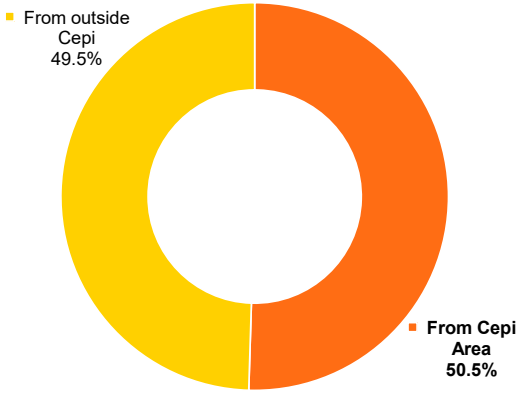
Part I - Cepi Countries

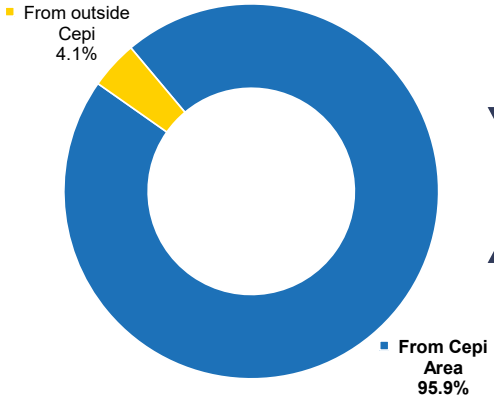
Wood Consumption



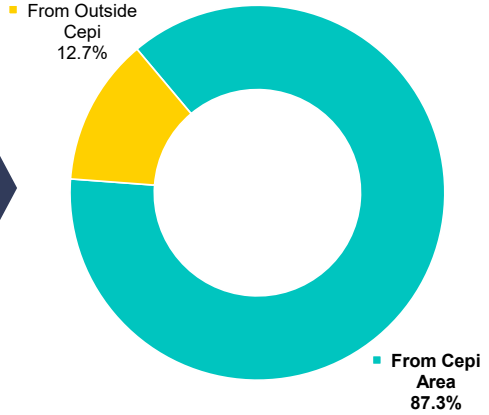
Market Pulp Consumption



Paper for Recycling Consumption

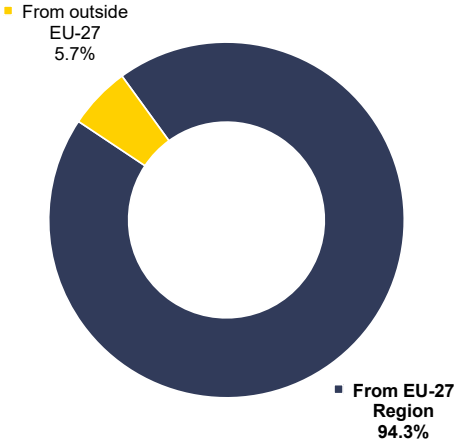


Total Fibres Consumption

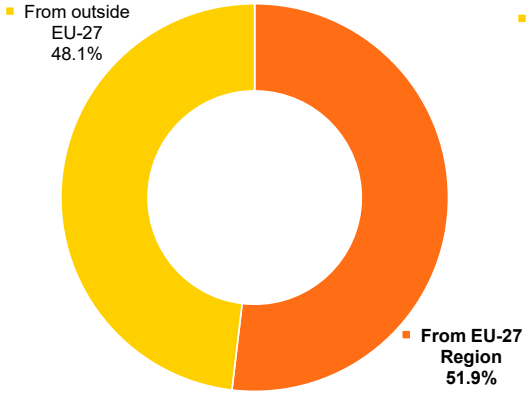


Part II - EU-27 Countries

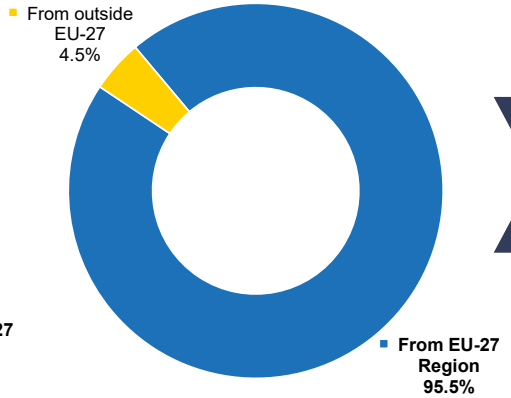
Wood Consumption



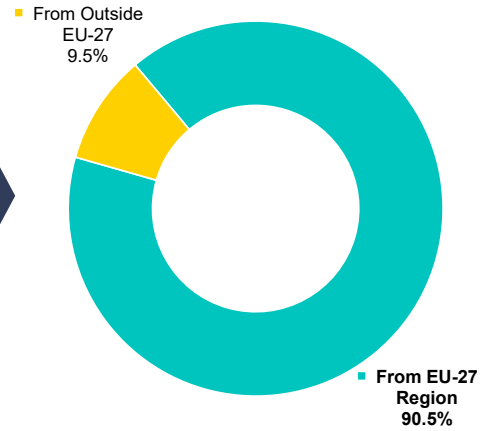
Market Pulp Consumption



Paper for Recycling Consumption



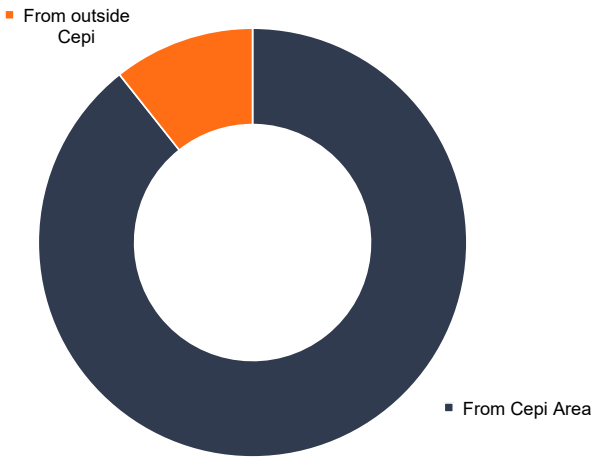
Total Fibres Consumption



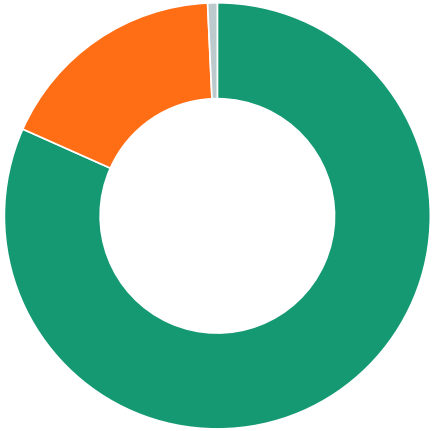

Finland
Sweden
Norway
United Kingdom
The Netherlands
Poland
Germany
Belgium
Czech Republic
Slovakia
France
Austria
Hungary
Romania
Slovenia
Portugal
Spain
Italy
Greece

Origin of Fibres in Cepi Countries

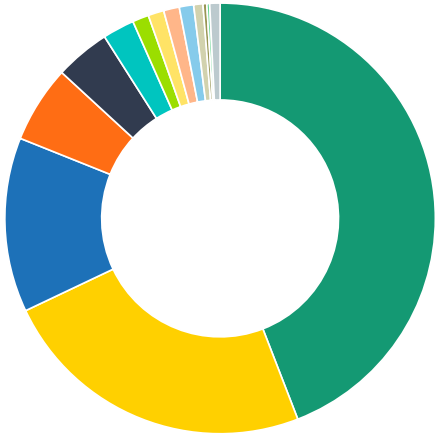
Origin of Cepi Wood Consumption in 2024



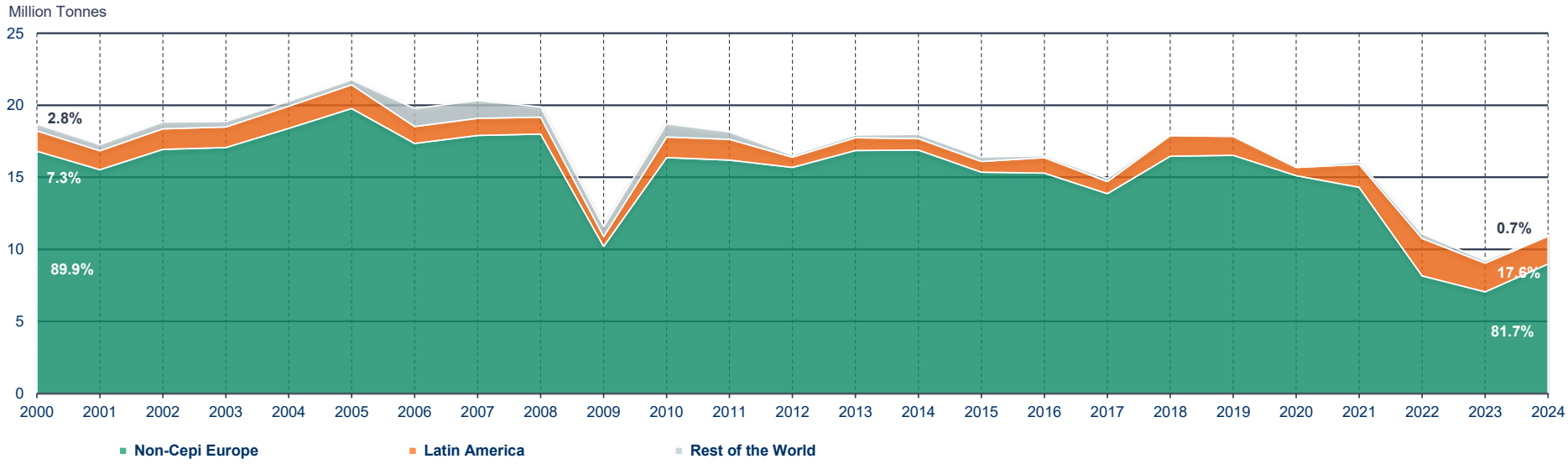
Cepi Wood Imports by Source Region in 2024



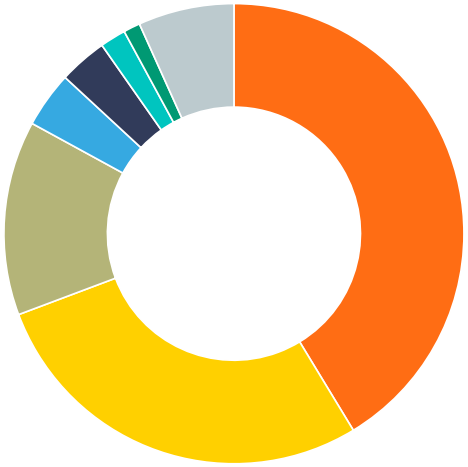
Cepi Wood Imports by Source Country in 2024



Cepi Wood Imports by Source Region



Biggest Cepi Wood Importers in 2024*



Cepi Wood Imports* by Importing Country in 2024

'000 Tonnes	Imports	% change 2024/2023	% share of Total
Sweden			
Finland			
Portugal			
Spain			
Poland			
Germany			
Italy			
France			
Hungary			
Norway			
Belgium			
United Kingdom			
Slovenia			
Romania			
Austria			
Netherlands			
Greece			
Czech Republic			
Slovakia			
Total Cepi Imports*			

** Imports from outside Cepi*

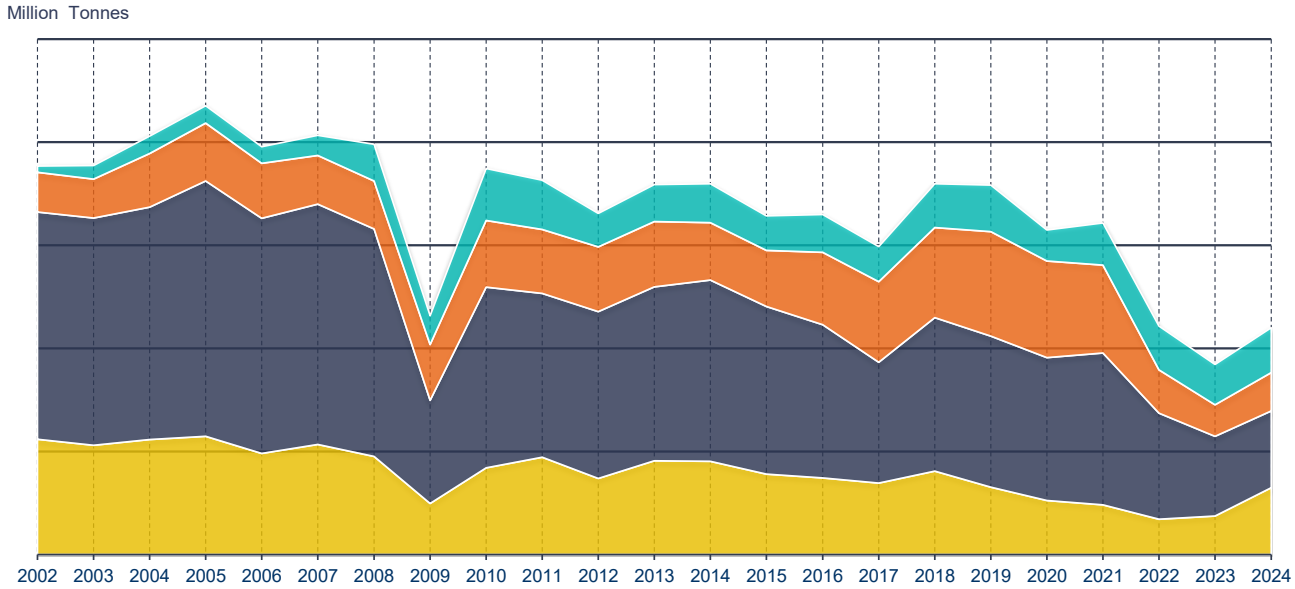
Cepi Wood Imports by Importing Country and by Origin in 2024

'000 Tonnes	Latvia	Estonia	Brazil	Lithuania	Uruguay	Croatia	Luxembourg	Switzerland	Ireland	Rest of the World	Total	% share of Total
Sweden												
Finland												
Portugal												
Spain												
Poland												
Germany												
Italy												
France												
Hungary												
Norway												
Belgium												
United Kingdom												
Slovenia												
Romania												
Austria												
Netherlands												
Greece												
Czech Republic												
Slovakia												
Total Cepi Imports												
% of Total												

Cepi Wood Imports by Grade in 2024

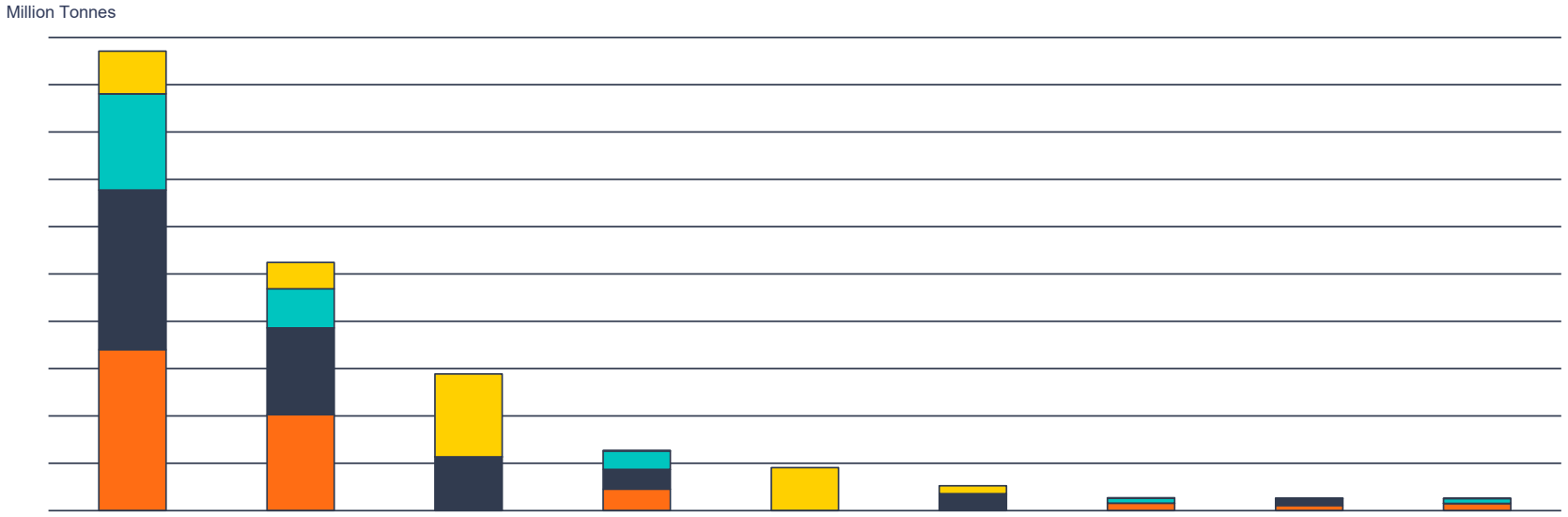


Cepi Wood Imports by Grade



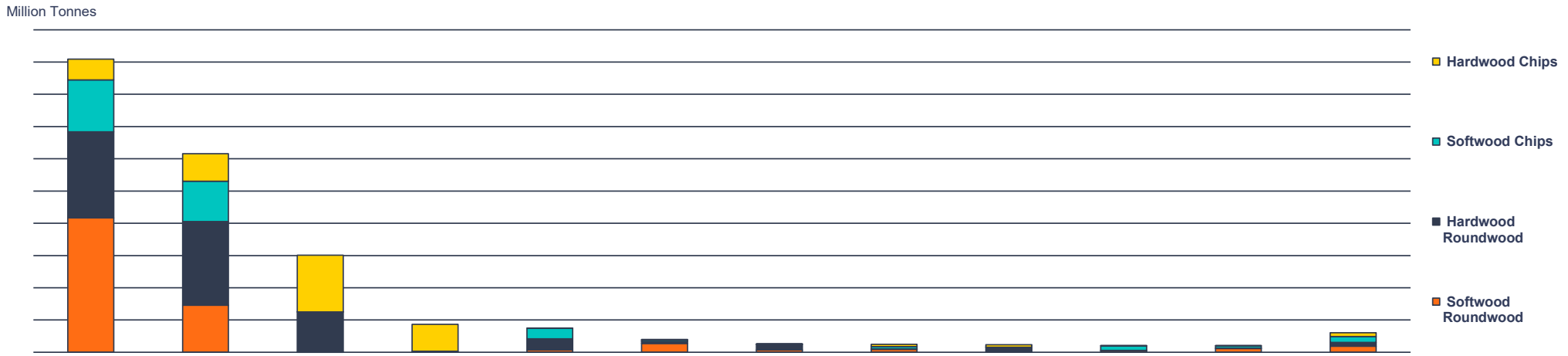
Cepi Wood Imports by Grade and by Origin in 2024

'000 Tonnes	Softwood Roundwood	Hardwood Roundwood	Softwood Chips	Hardwood Chips	Total Wood	% change 2024/2023	% share of Total	% of Total Cepi Consumption
Latvia								
Estonia								
Brazil								
Lithuania								
Uruguay								
Croatia								
Luxembourg								
Switzerland								
Ireland								
All Other Countries								
Total Cepi Imports								



Cepi Wood Imports by Grade and by Importing Country in 2024

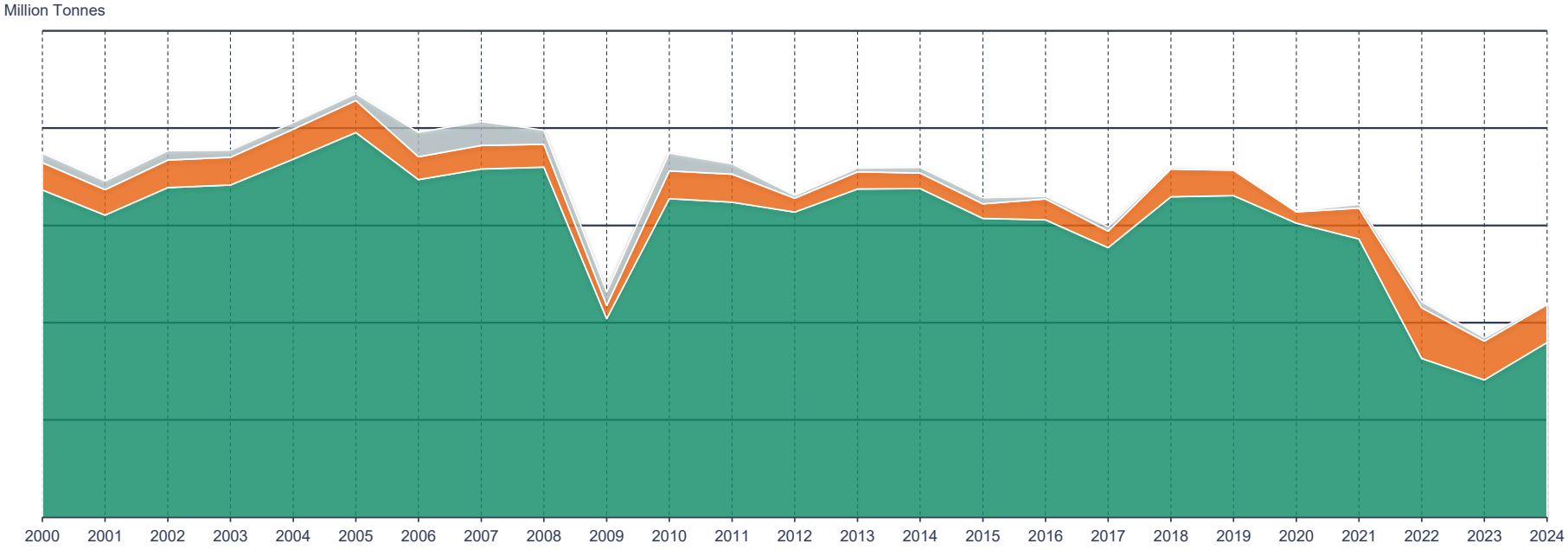
'000 Tonnes	Softwood Roundwood	Hardwood Roundwood	Softwood Chips	Hardwood Chips	Total Wood	% share of Total
Sweden						
Finland						
Portugal						
Spain						
Poland						
Germany						
Italy						
France						
Hungary						
Norway						
Belgium						
Other Cepi Countries						
Total Cepi Imports						



Wood - Historic Imports by Source Region

Cepi Wood Imports by Source Region

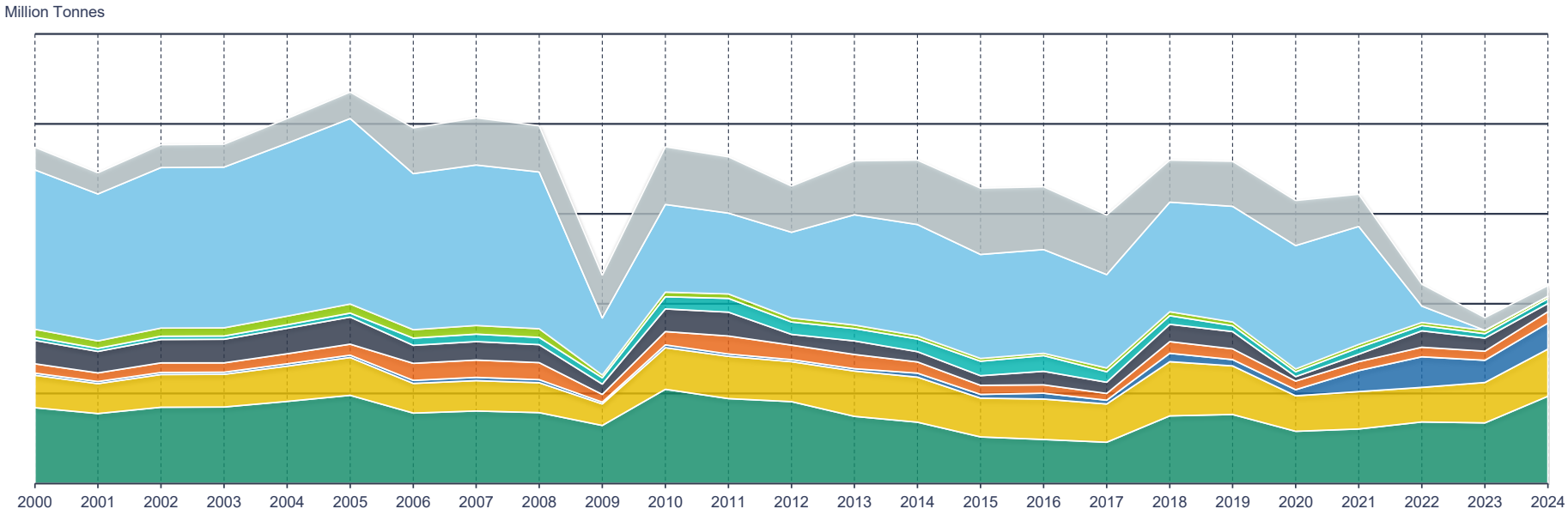
'000 Tonnes	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	% change 2024/2023	% share of Total
Non-Cepi Europe																	
Latin America																	
North America																	
Asia																	
Rest of the World																	
Total Cepi Imports																	



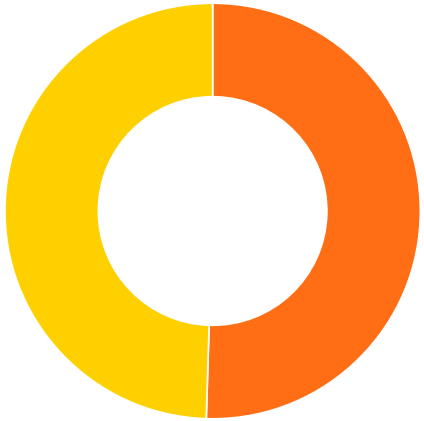
Wood - Historic Imports by Source Country

Cepi Wood Imports by Source Country

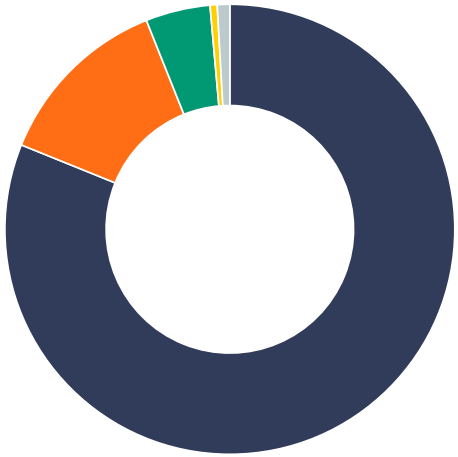
'000 Tonnes	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	% change 2024/2023	% Share of Total
Latvia																	
Estonia																	
Brazil																	
Lithuania																	
Uruguay																	
Croatia																	
Switzerland																	
Ukraine																	
Russia																	
Rest of the World																	
Total Cepi Imports																	



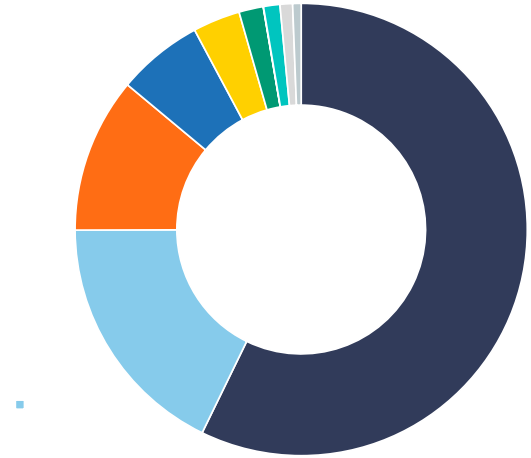
Origin of Cepi Market Pulp Consumption in 2024



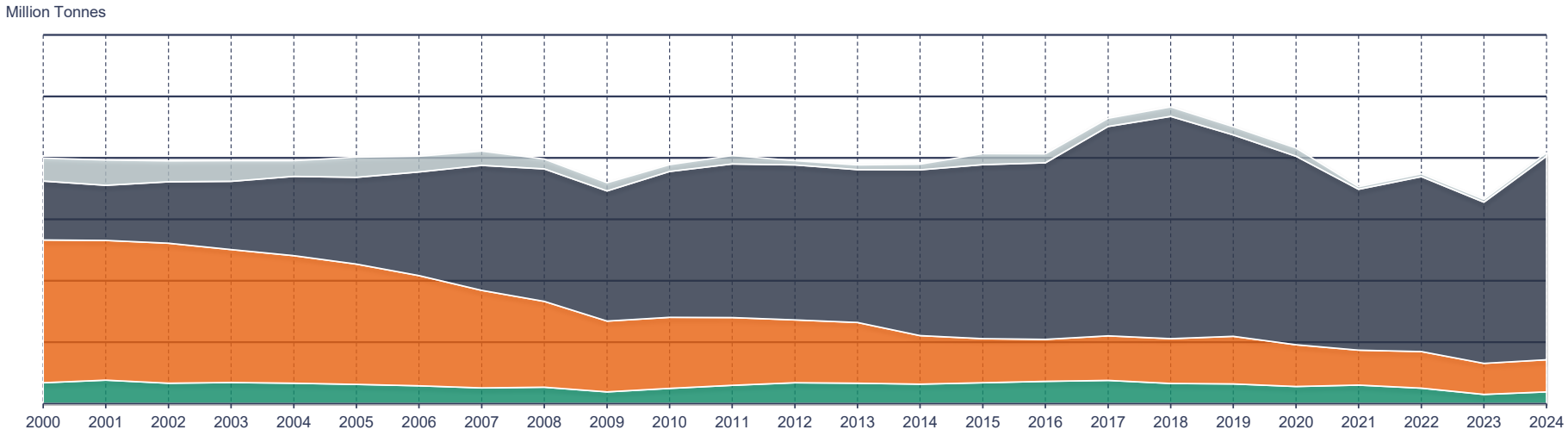
Cepi Market Pulp Imports by Source Region in 2024



Cepi Market Pulp Imports by Source Country in 2024

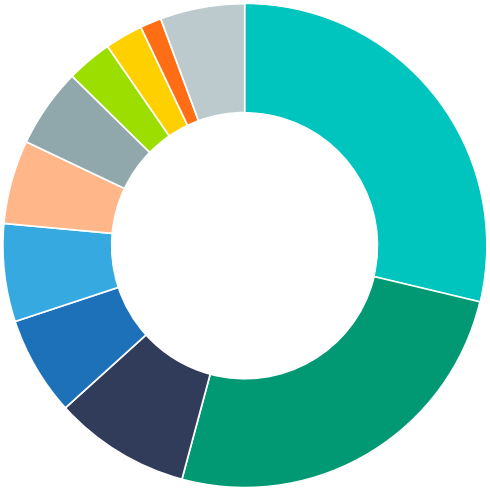


Cepi Market Pulp Imports by Source Region



Market Pulp - Imports by Importing Country

Biggest Cepi Market Pulp Importers in 2024*



Cepi Market Pulp Imports by Importing Country in 2024*

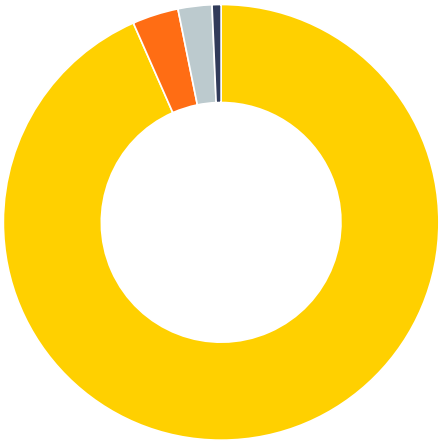
'000 Tonnes	Imports	% change 2024/2023	% Share of Total
Germany			
Italy			
France			
Poland			
Spain			
Netherlands			
United Kingdom			
Austria			
Finland			
Slovenia			
Sweden			
Greece			
Czech Republic			
Romania			
Belgium			
Hungary			
Portugal			
Norway			
Slovakia			
Total Cepi Imports*			

** Imports from outside Cepi*

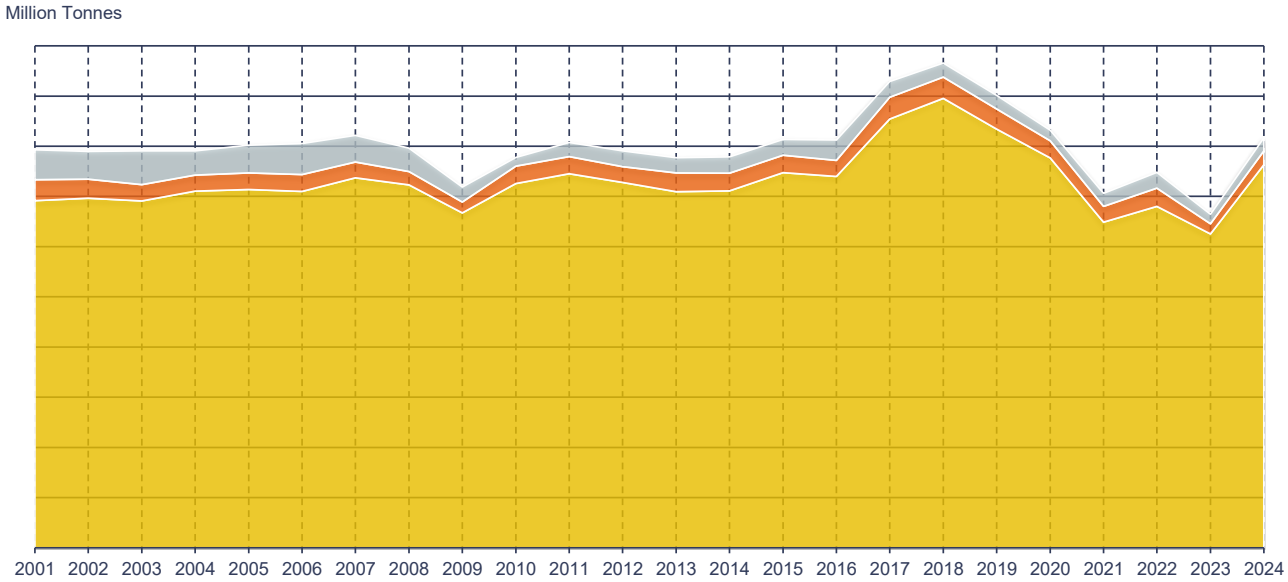
Cepi Market Pulp Imports by Importing Country and by Origin in 2024

'000 Tonnes	Brazil	Uruguay	United States	Chile	Non-Cepi EU	Canada	Other Latin America	Switzerland	Africa	Rest of the World	Total Imports	% Share of Total
Germany												
Italy												
France												
Poland												
Spain												
Netherlands												
United Kingdom												
Austria												
Finland												
Slovenia												
Sweden												
Greece												
Czech Republic												
Romania												
Belgium												
Hungary												
Portugal												
Norway												
Slovakia												
Total Cepi Imports												
% of Total												

Cepi Market Pulp Imports by Grade in 2024

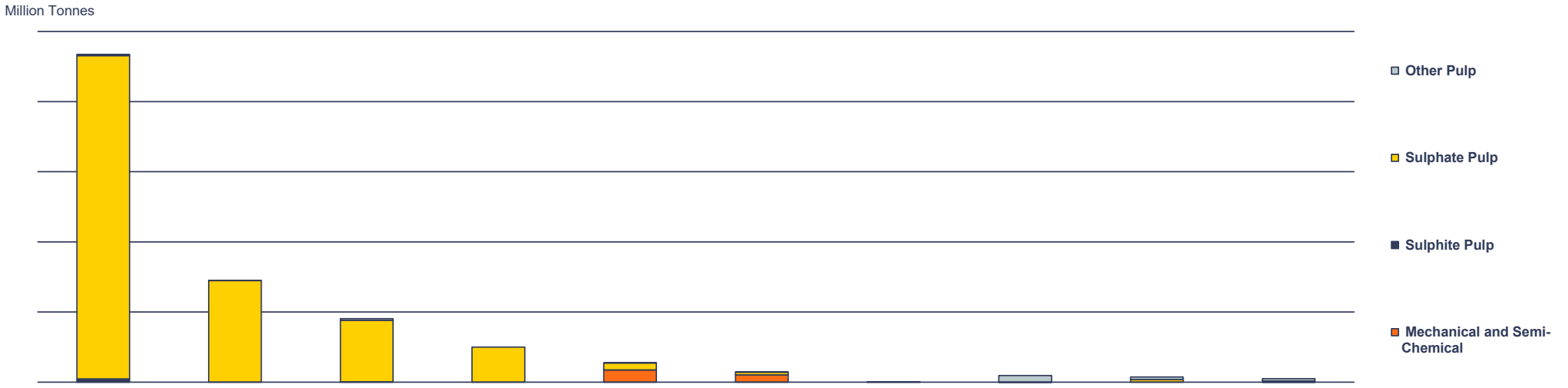


Cepi Market Pulp Imports by Grade



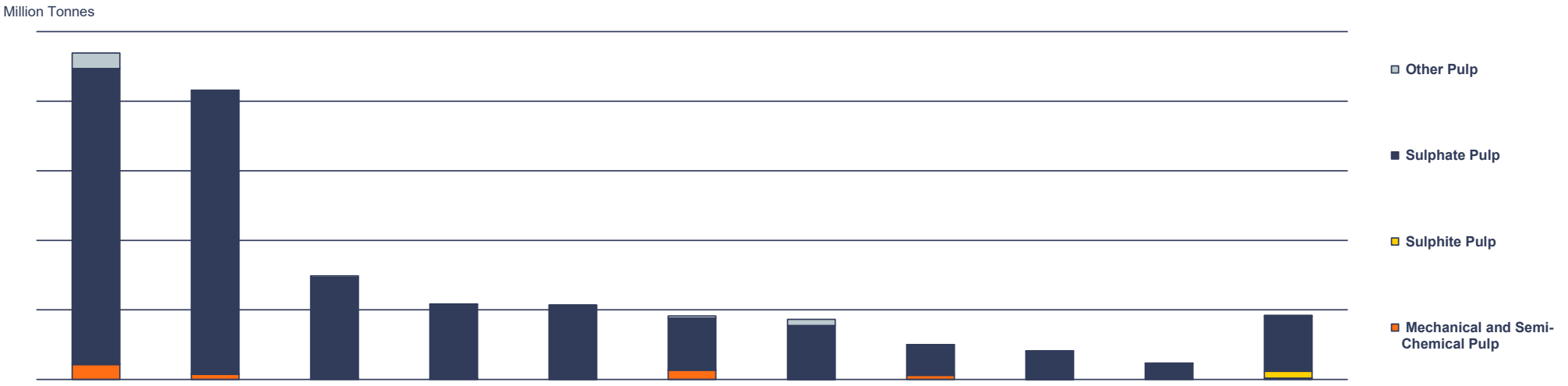
Cepi Market Pulp Imports by Grade and by Origin in 2024

'000 Tonnes	Mechanical and Semi-Chemical Pulp	Sulphite Pulp	Sulphate Pulp	Other Pulp	Total Pulp	% change 2024/2023	% Share of Total	% of Market Pulp Consumption
Brazil								
Uruguay								
United States								
Chile								
Non-Cepi EU								
Canada								
Other Latin America								
Switzerland								
Africa								
Rest of the World								
Total Cepi Imports								



Cepi Market Pulp Imports by Grade and by Importing Country in 2024

'000 Tonnes	Mechanical and Semi-Chemical Pulp	Sulphite Pulp	Sulphate Pulp	Other Pulp	Total Pulp	% Share of Total
Germany						
Italy						
France						
Poland						
Spain						
Netherlands (1)						
United Kingdom						
Austria						
Finland						
Other Cepi Countries						
Total Cepi Imports						

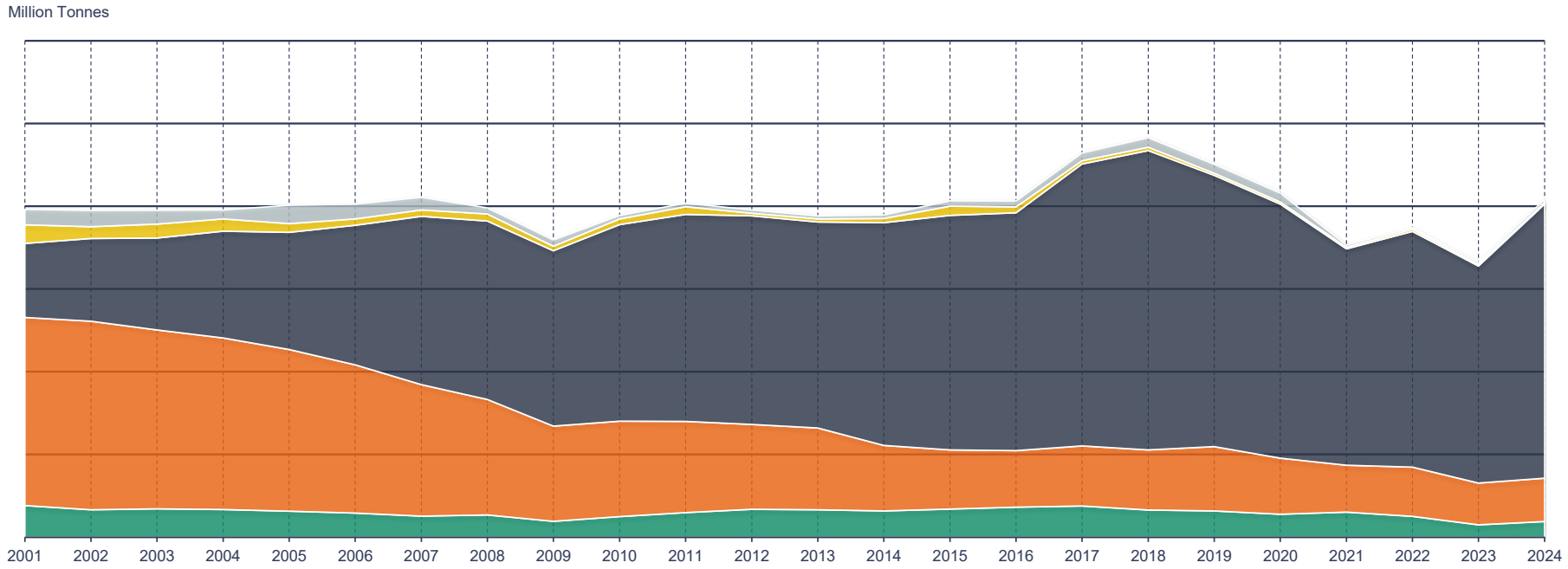


(1) Netherlands: includes market pulp transit in Rotterdam harbour

Market Pulp - Historic Imports by Source Region

Cepi Market Pulp Imports by Source Region

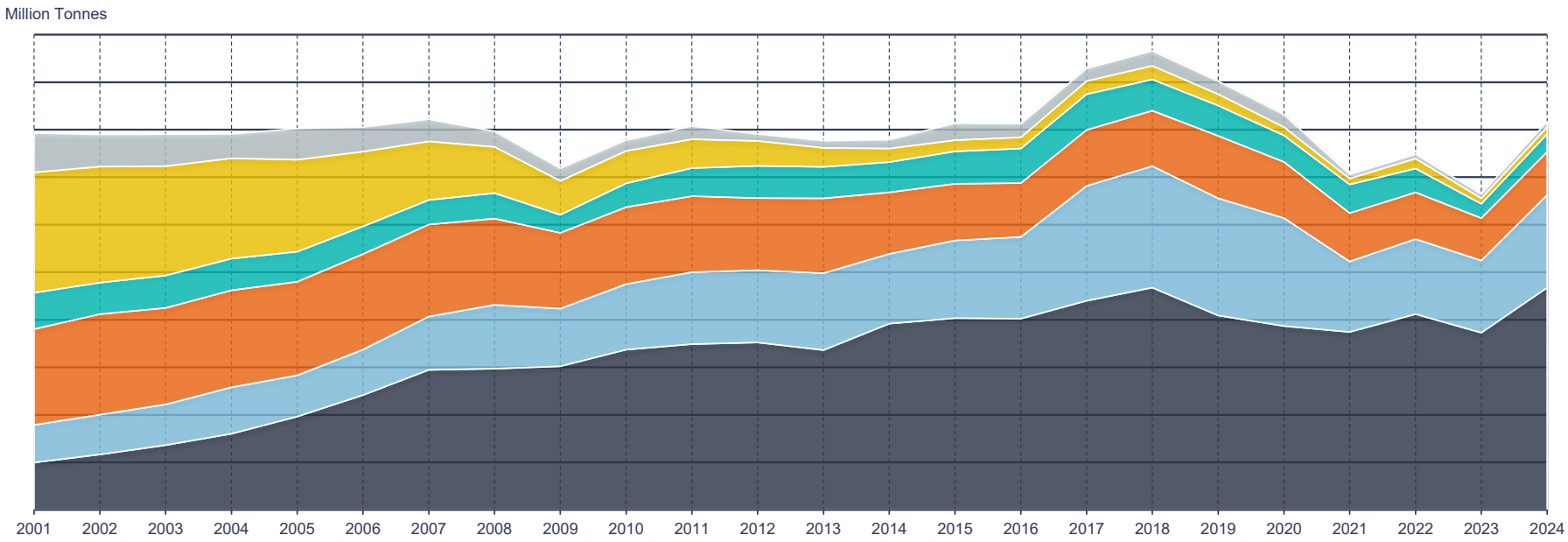
'000 Tonnes	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	% change 2024/2023	% Share of Total
Non-Cepi Europe																	
North America																	
Latin America																	
Asia																	
Africa																	
Rest of the World																	
Total Cepi Imports																	



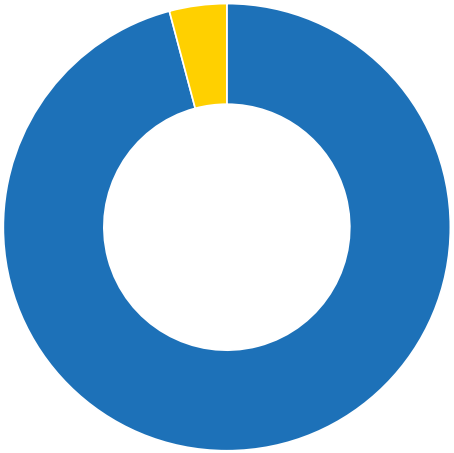
Market Pulp - Historic Imports by Source Country

Cepi Market Pulp Imports by Source Country

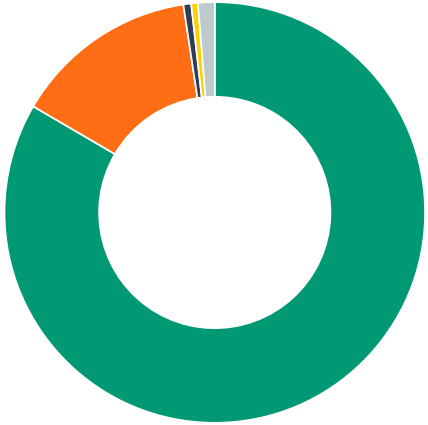
'000 Tonnes	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	% change 2024/2023	% Share of Total
Brazil																	
Uruguay																	
United States																	
Chile																	
Non-Cepi EU																	
Canada																	
Other Latin America																	
Switzerland																	
Africa																	
Rest of the World																	
Total Cepi Imports																	



Origin of Cepi Paper for Recycling Utilisation in 2024



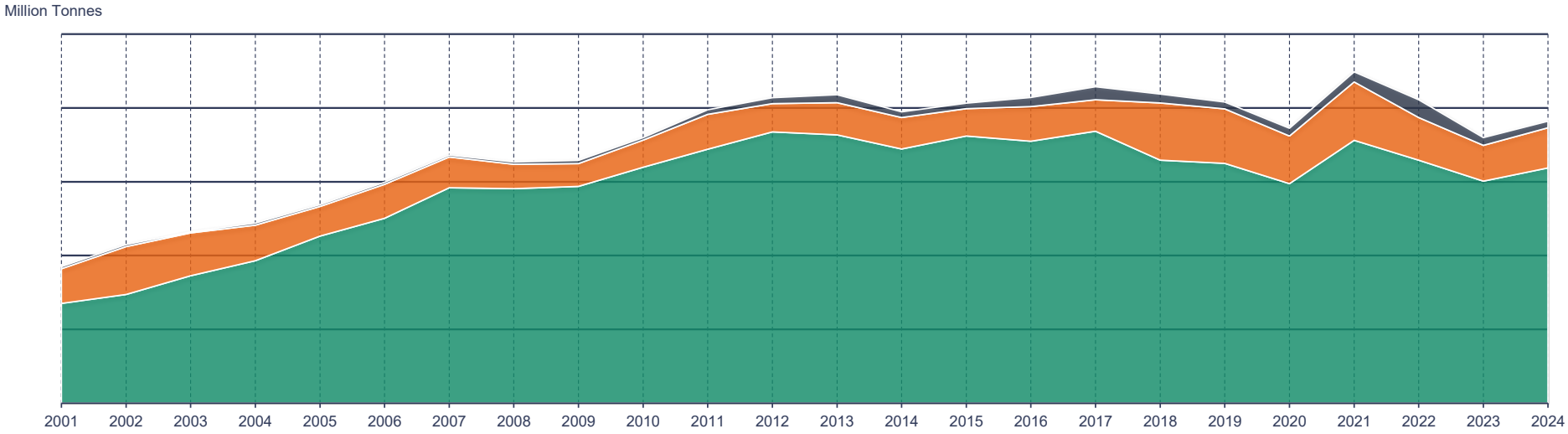
Cepi PFR Imports by Source Region in 2024



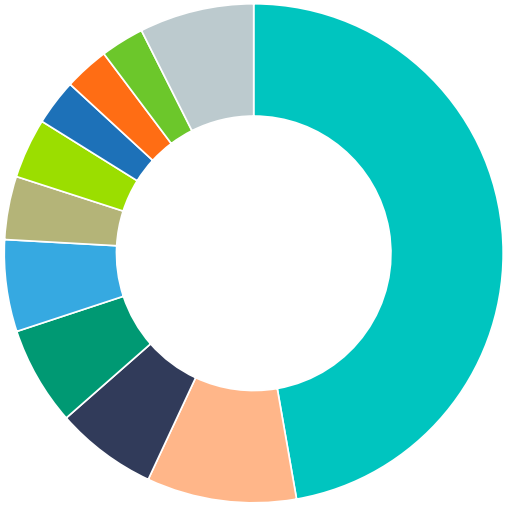
Cepi PFR Imports by Source Country in 2024



Cepi Paper for Recycling Imports by Source Region



Biggest Cepi Paper for Recycling Importers in 2024*



Cepi Paper for Recycling Imports by Importing Country in 2024*

'000 Tonnes	Imports	% change 2024/2023	% Share of Total
Germany			
Netherlands (1)			
France			
Italy			
Poland			
Austria			
Hungary			
United Kingdom			
Sweden			
Slovenia			
Belgium			
Finland			
Spain			
Norway			
Greece			
Romania			
Czech Republic			
Portugal			
Slovak Republic			
Total Cepi Imports			

** Imports from outside Cepi*

(1) Netherlands: includes paper for recycling transit in Rotterdam harbour.

Cepi Paper for Recycling Imports* by Importing Country and by Origin in 2024

'000 Tonnes	Denmark	Switzerland	United States	Croatia	Ireland	Lithuania	Luxembourg	Latvia	Estonia	Bulgaria	Other Europe	Rest of the World	Total Imports	%Share of Total
Germany														
Netherlands (1)														
France														
Italy														
Poland														
Austria														
Hungary														
United Kingdom														
Sweden														
Slovenia														
Belgium														
Finland														
Spain														
Norway														
Greece														
Romania														
Czech Republic														
Portugal														
Slovak Republic														
Total Cepi Imports														
% of Total														

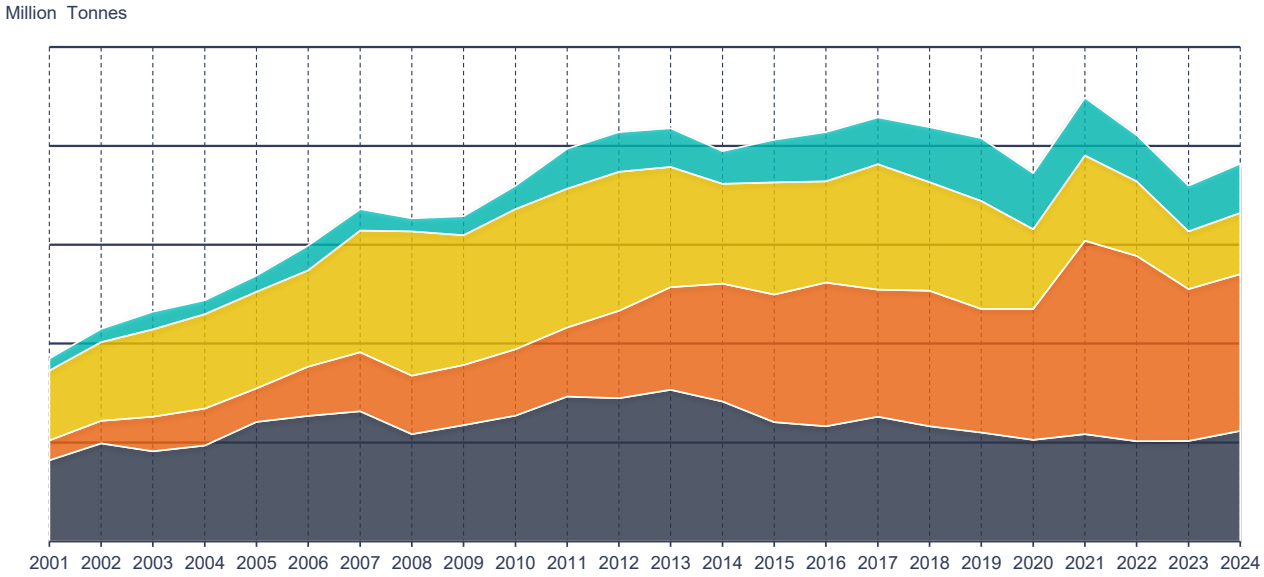
** Imports from outside Cepi*

(1) Netherlands: includes paper for recycling transit in Rotterdam harbour.

Cepi Paper for Recycling Imports by Grade in 2024



Cepi Paper for Recycling Imports by Grade

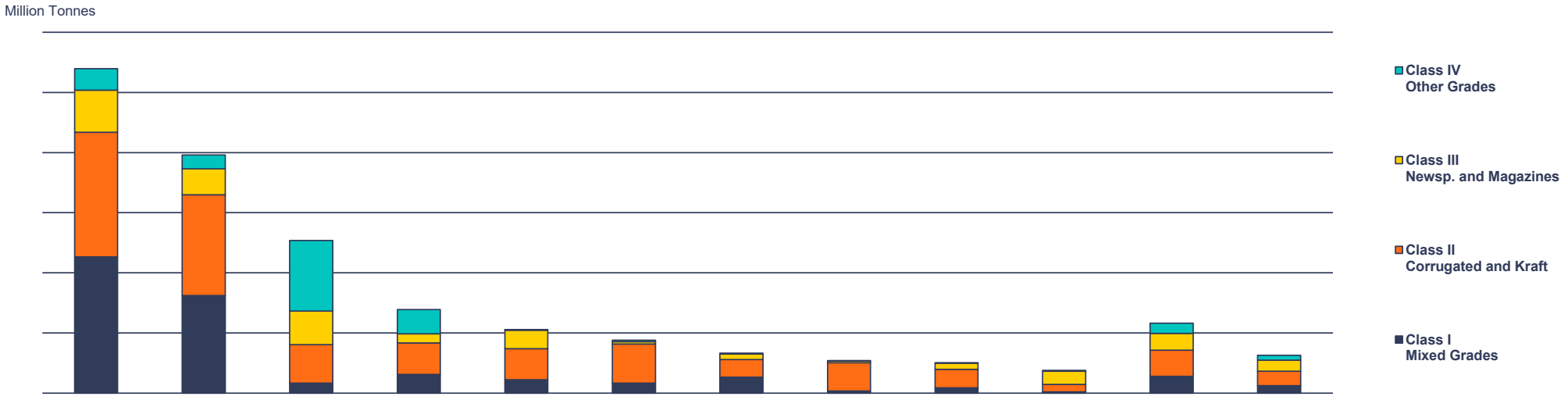


Note

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 (470790): 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 (470710): 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 (470730): 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 (470720): 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

Cepi Paper for Recycling Imports by Grade and by Origin in 2024

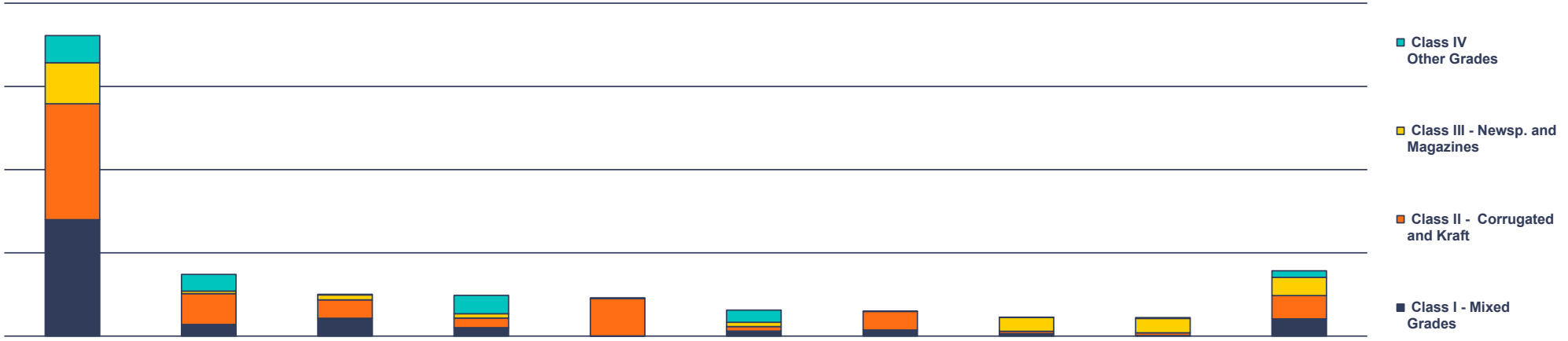
'000 Tonnes	Class I Mixed Grades	Class II Corrugated and Kraft	Class III Newsp. and Magazines	Class IV Other Grades	Total Paper for Recycling	% change 2024/2023	% Share of total	% of PFR Utilisation
Denmark								
Switzerland								
United States								
Croatia								
Ireland								
Lithuania								
Luxembourg								
Latvia								
Estonia								
Bulgaria								
Other Europe								
Rest of the World								
Total Cepi Imports								



Cepi Paper for Recycling Imports* by Grade and by Importing Country in 2024

'000 Tonnes	Class I Mixed Grades	Class II Corrugated and Kraft	Class III Newspapers and Magazines	Class IV Other Grades	Total Paper for Recycling	% Share of Total
Germany						
Netherlands (1)						
France						
Italy						
Poland						
Austria						
Hungary						
United Kingdom						
Sweden						
Other Cepi Countries						
Total Cepi Imports						

'000 Tonnes

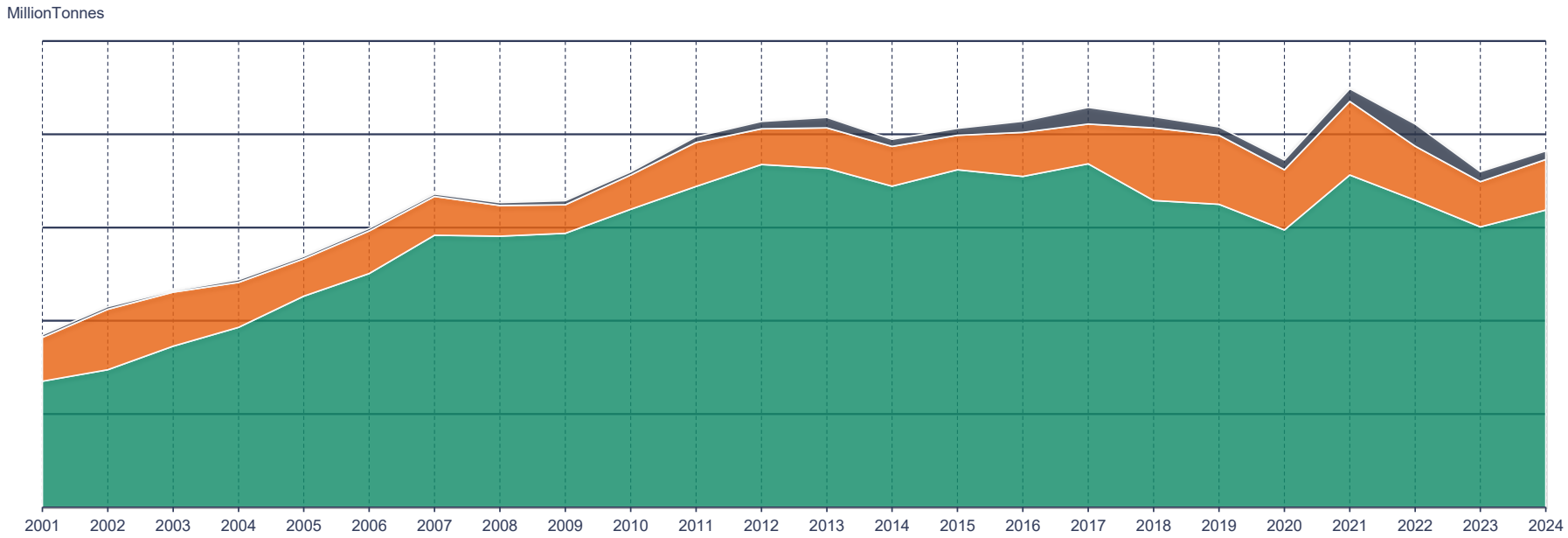


** Imports from outside Cepi*

(1) Netherlands: includes paper for recycling transit in Rotterdam harbour.

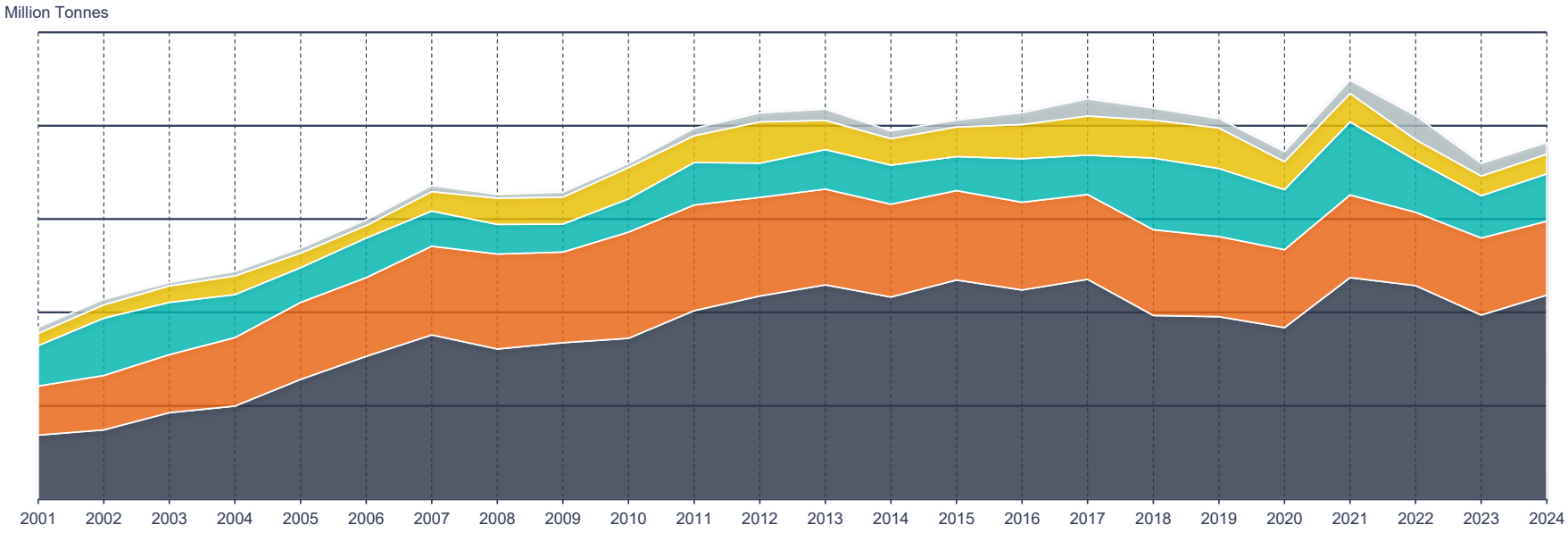
Cepi Paper for Recycling Imports by Source Region

'000 Tonnes	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	% change 2024/2023	% Share of Total
Non-Cepi Europe																	
North America																	
Latin America																	
Asia																	
Africa																	
Rest of the World																	
Total Cepi Imports																	



Cepi Paper for Recycling Imports by Source Country

'000 Tonnes	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	% change 2024/2023	% Share of Total
Non-Cepi EU Countries																	
Switzerland																	
United States																	
Serbia																	
Other Europe																	
Canada																	
Latin America																	
Rest of the World																	
Total Cepi Imports																	





Origin of Fibres in EU-27 Countries

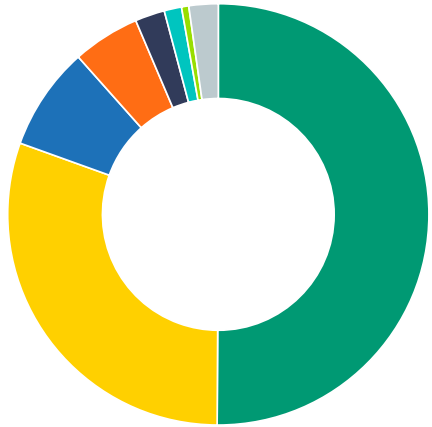
Origin of EU-27 Wood Consumption in 2024



EU-27 Wood Imports by Source Region in 2024

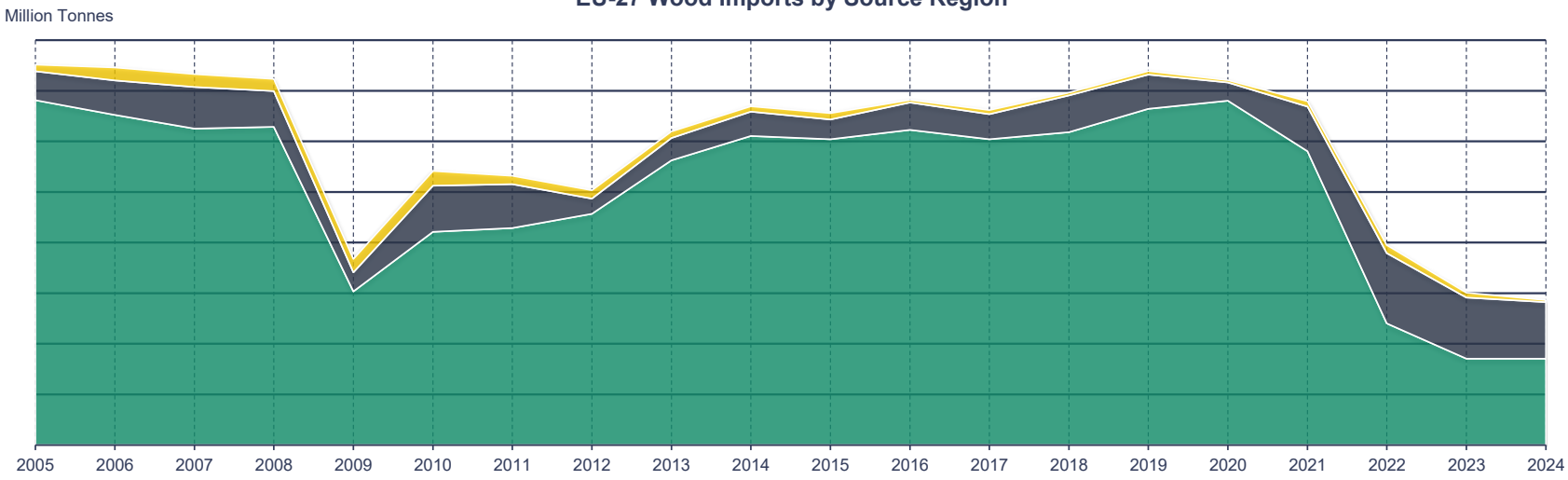


EU-27 Wood Imports by Source Country in 2024

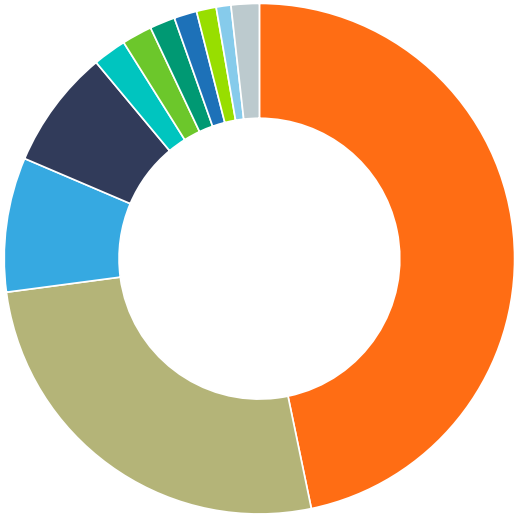


** EU-27 wood consumption has been estimated by Cepi, based on pulp production.*

EU-27 Wood Imports by Source Region



Biggest EU-27 Wood Importers in 2024*



EU-27 Wood Imports by Importing Country in 2024*

'000 Tonnes	Imports	% change 2024/2023	% Share of Total
Sweden			
Portugal			
Denmark			
Spain			
Germany			
France			
Italy			
Ireland			
Romania			
Finland			
Croatia			
Netherlands			
Belgium			
Latvia			
Austria			
Other EU-27 Countries			
Total EU-27 Imports			

** Imports from outside EU-27 Region*

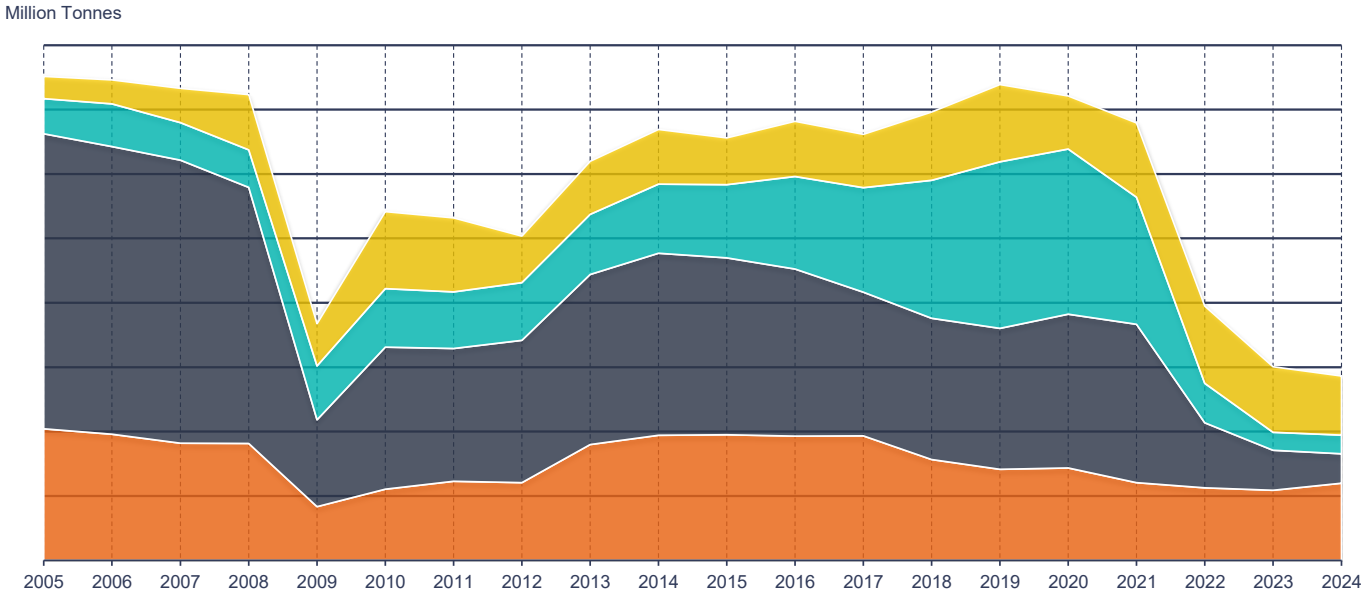
EU-27 Wood Imports by Importing Country and by Origin in 2024

'000 Tonnes	Norway	Brazil	Uruguay	United Kingdom	Switzerland	Ukraine	United States	Bosnia and Herzegovina	Mozambique	Argentina	Rest of the World	Total	% Share of Total
Sweden													
Portugal													
Denmark													
Spain													
Germany													
France													
Italy													
Ireland													
Romania													
Finland													
Croatia													
Netherlands													
Belgium													
Latvia													
Austria													
Poland													
Slovenia													
Czech Republic													
Other EU-27 Countries													
Total EU-27 Imports													
% of Total													

EU-27 Wood Imports by Grade in 2024

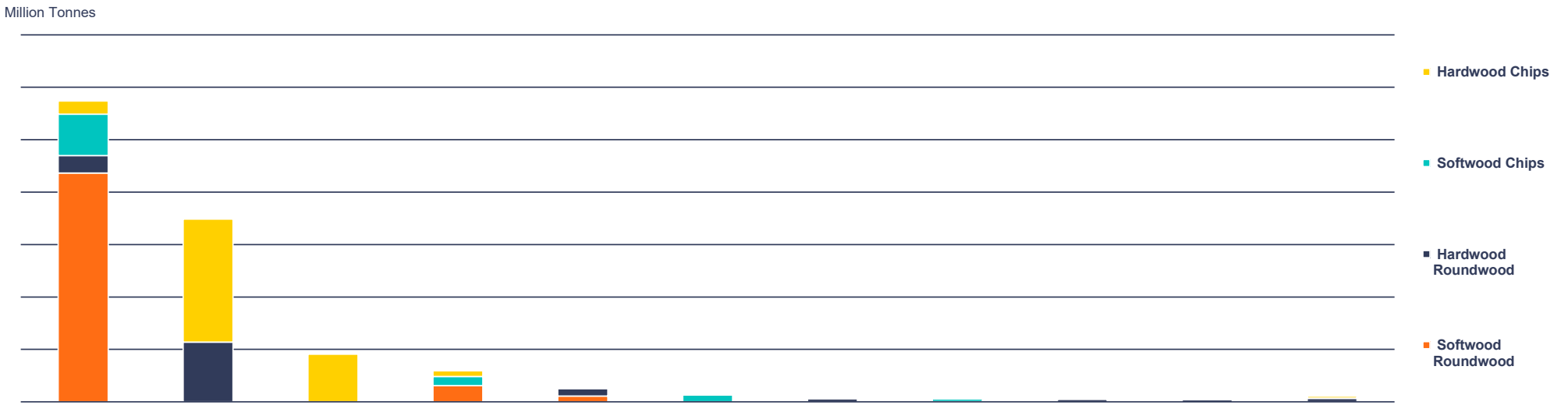


EU-27 Wood Imports by Grade



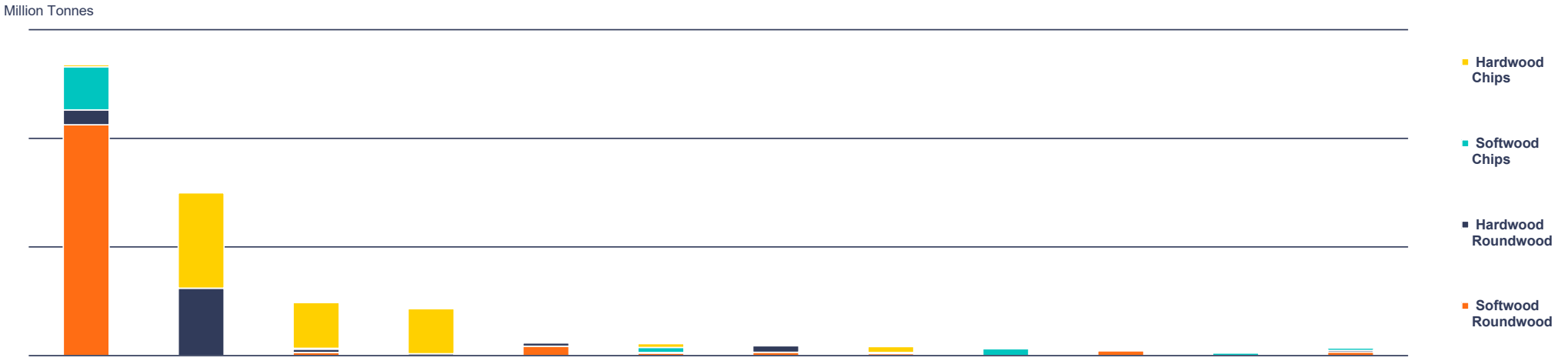
EU-27 Wood Imports by Grade and by Origin in 2024

'000 Tonnes	Softwood Roundwood	Hardwood Roundwood	Softwood Chips	Hardwood Chips	Total Wood	% change 2024/2023	% Share of Total	% of Total Wood Consumption
Norway								
Brazil								
Uruguay								
United Kingdom								
Switzerland								
Ukraine								
United States								
Bosnia and Herzegovina								
Mozambique								
Argentina								
Rest of the world								
Total EU-27 Imports								



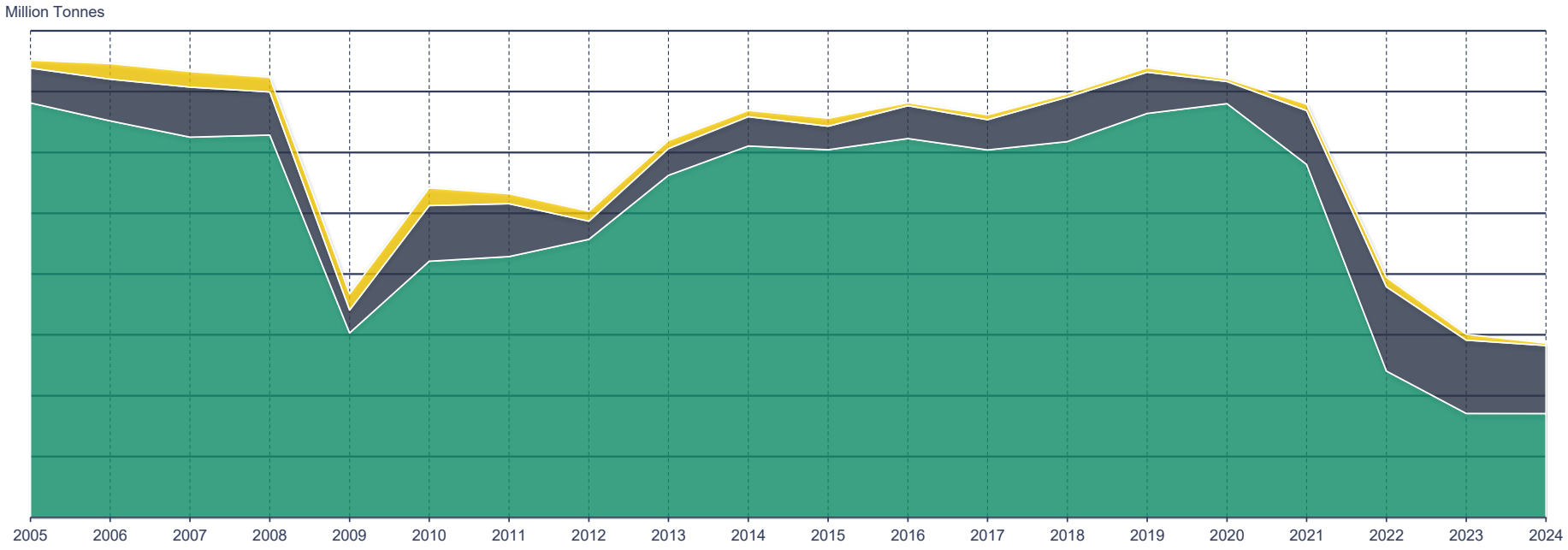
EU-27 Wood Imports by Grade and by Importing Country in 2024

'000 Tonnes	Softwood Roundwood	Hardwood Roundwood	Softwood Chips	Hardwood Chips	Total Wood	% Share of Total
Sweden						
Portugal						
Denmark						
Spain						
Germany						
France						
Italy						
Ireland						
Romania						
Finland						
Croatia						
Other EU-27 Countries						
Total EU-27 Imports						



EU-27 Wood Imports by Source Region

'000 Tonnes	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	% change 2024/2023	% Share of Total
Non-EU Europe																	
Latin America																	
North America																	
Asia																	
Africa																	
Rest of the World																	
Total EU-27 Imports																	

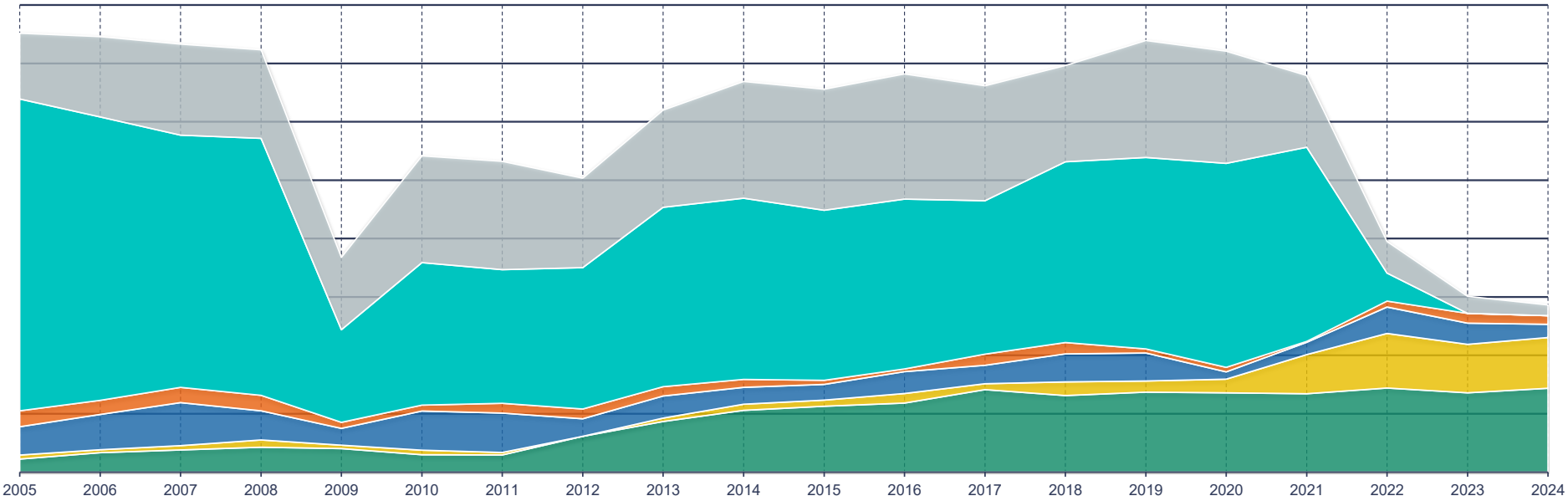


Wood - Historic Imports by Source Country

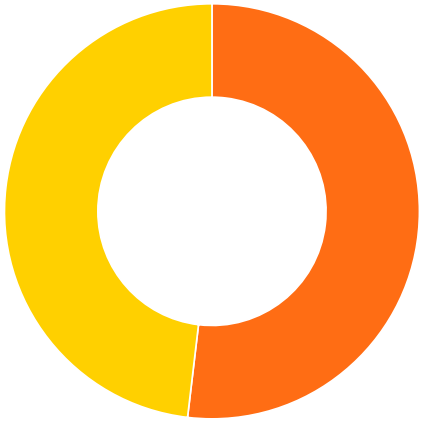
EU-27 Wood Imports by Source Country

'000 Tonnes	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	% change 2024/2023	% Share of Total
Norway																	
Brazil																	
Uruguay																	
United Kingdom																	
Switzerland																	
Ukraine																	
United States																	
Bosnia and Herzegovina																	
Russia																	
Rest of the World																	
Total EU-27 Imports																	

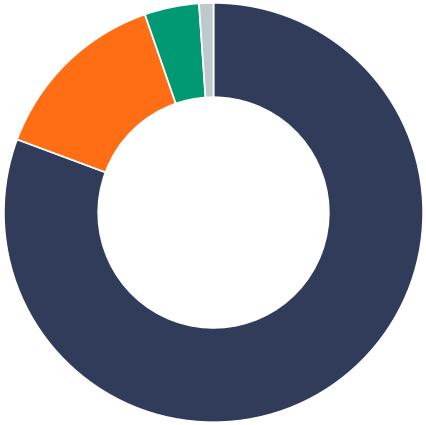
Million Tonnes



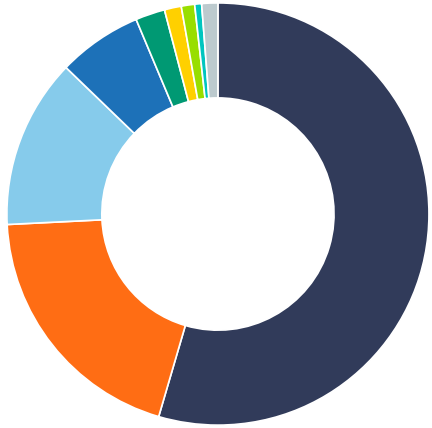
Origin of EU-27 Market Pulp Consumption* in 2024



EU-27 Market Pulp Imports by Source Region in 2024

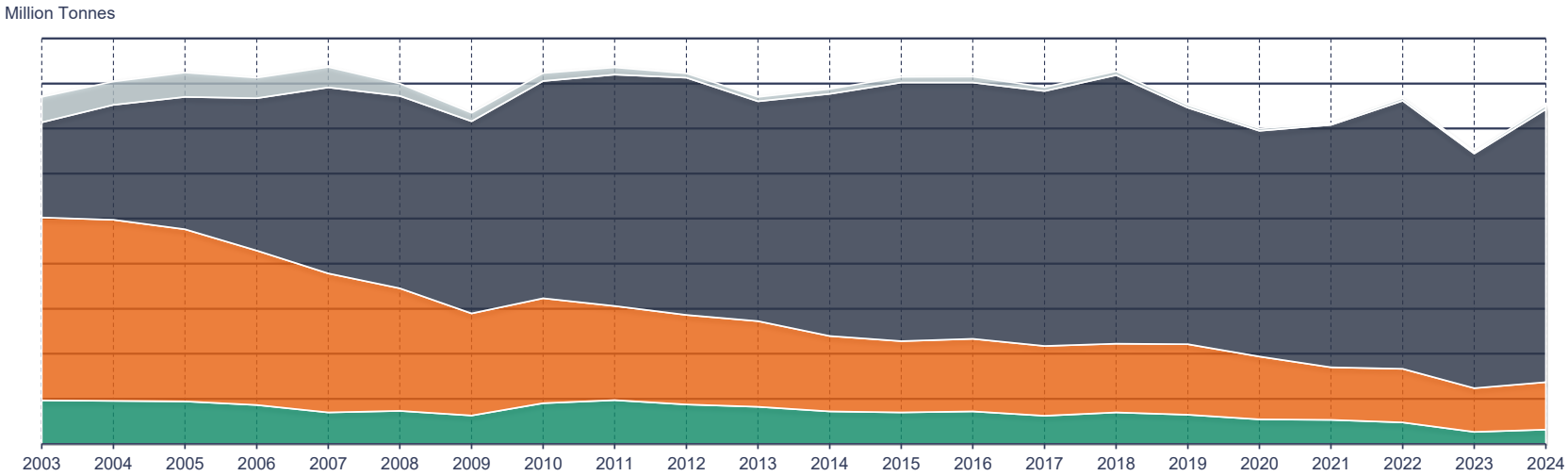


EU-27 Market Pulp Imports by Source Country in 2024

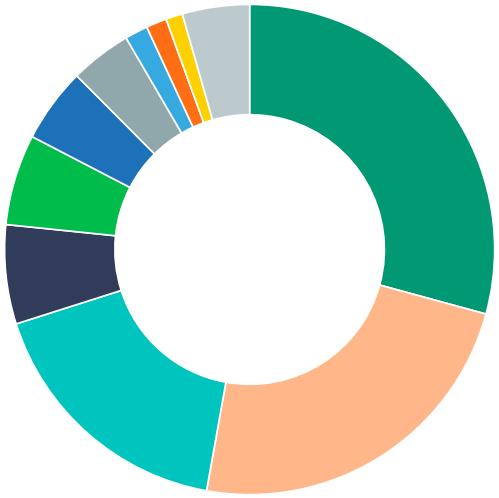


** Cepi estimation*

EU-27 Market Pulp Imports by Source Region



Biggest EU-27 Market Pulp Importers in 2024*



EU-27 Market Pulp Imports by Importing Country in 2024*

'000 Tonnes	Imports	% change 2024/2023	% Share of Total
Italy			
Netherlands (1)			
Germany			
Spain			
France			
Poland			
Belgium			
Sweden			
Slovenia			
Greece			
Finland			
Denmark			
Romania			
Latvia			
Czech Republic			
Hungary			
Austria			
Portugal			
Other EU-27 Countries			
Total EU-27 Imports			

** Imports from outside EU-27 Region*

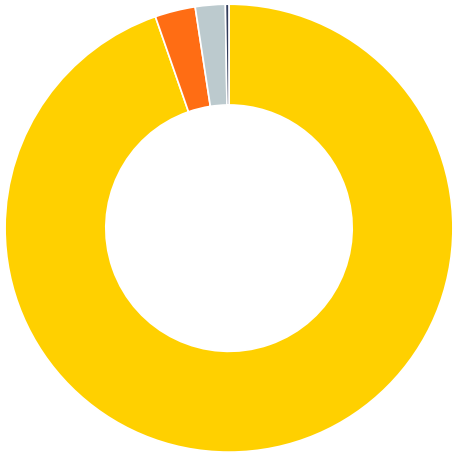
(1) Netherlands: includes market pulp transit in Rotterdam harbour.

EU-27 Market Pulp Imports by Importing Country and by Origin in 2024

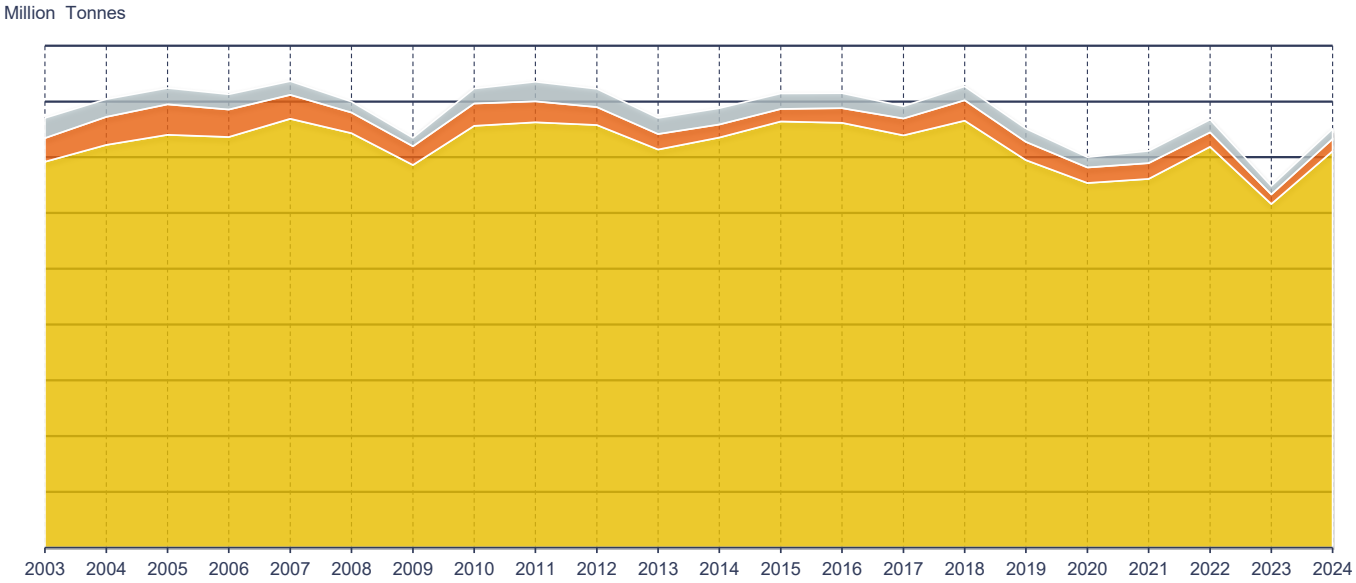
'000 Tonnes	Brazil	Uruguay	United States	Chile	Norway	Switzerland	Canada	Belarus	Rest of the World	Total Imports	% Share of Total
Italy											
Netherlands (1)											
Germany											
Spain											
France											
Poland											
Belgium											
Sweden											
Slovenia											
Greece											
Finland											
Denmark											
Romania											
Latvia											
Czech Republic											
Hungary											
Austria											
Portugal											
Other EU-27 Countries											
Total EU-27 Imports											
% of Total											

(1) Netherlands: includes market pulp transit in Rotterdam harbour.

EU-27 Market Pulp Imports by Grade in 2024

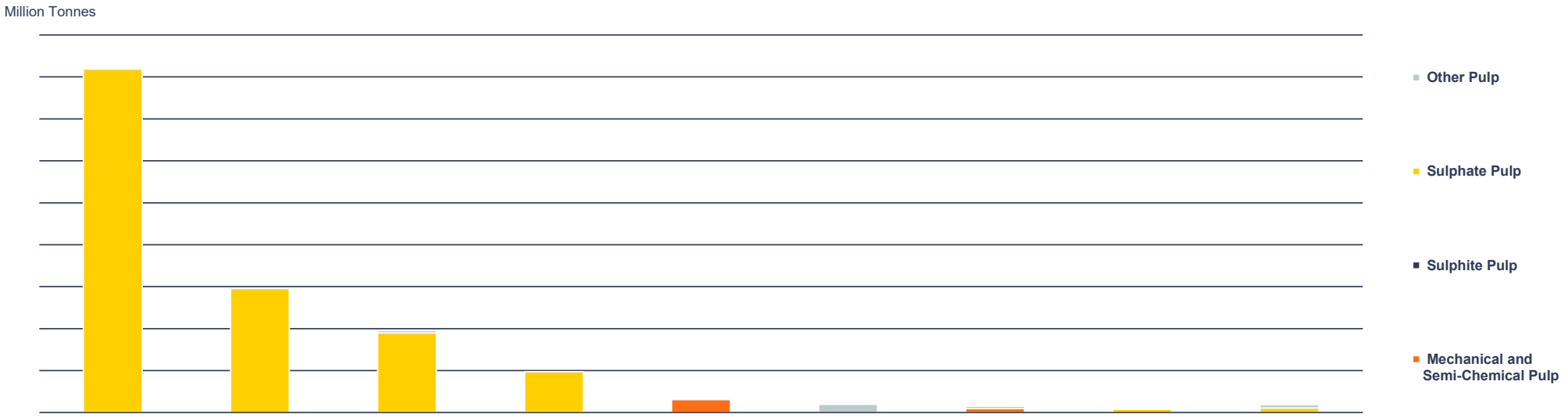


EU-27 Market Pulp Imports by Grade



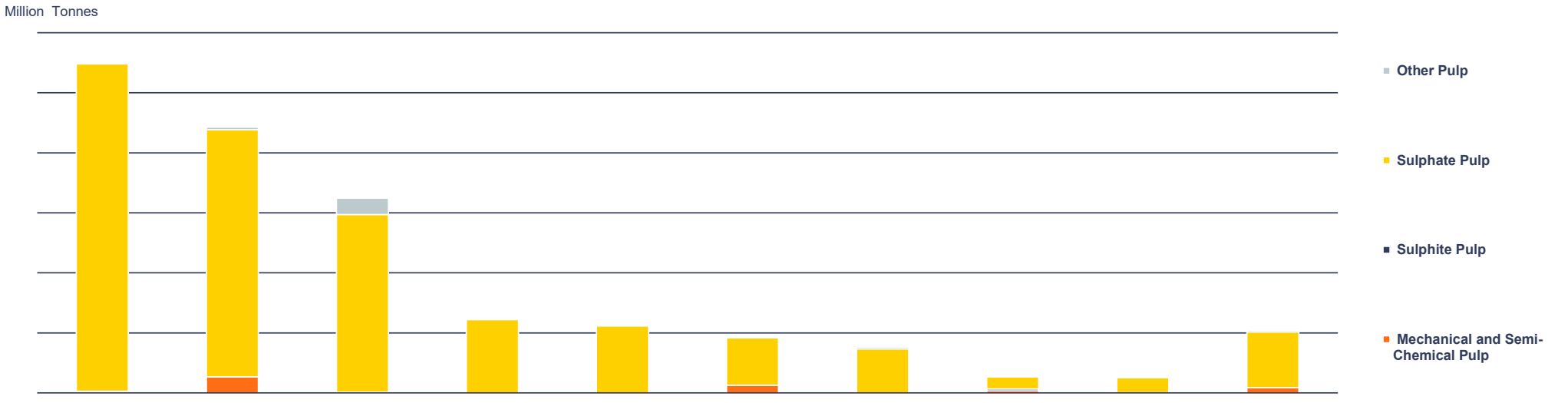
EU-27 Market Pulp Imports by Grade and by Origin in 2024

'000 Tonnes	Mechanical and Semi-Chemical Pulp	Sulphite Pulp	Sulphate Pulp	Other Pulp	Total Pulp	% change 2024/2023	% Share of Total	% of EU Market Pulp Consumption
Brazil								
Uruguay								
United States								
Chile								
Norway								
Switzerland								
Canada								
Belarus								
Rest of the World								
Total EU-27 Imports								



EU-27 Market Pulp Imports by Grade and by Importing Country in 2024

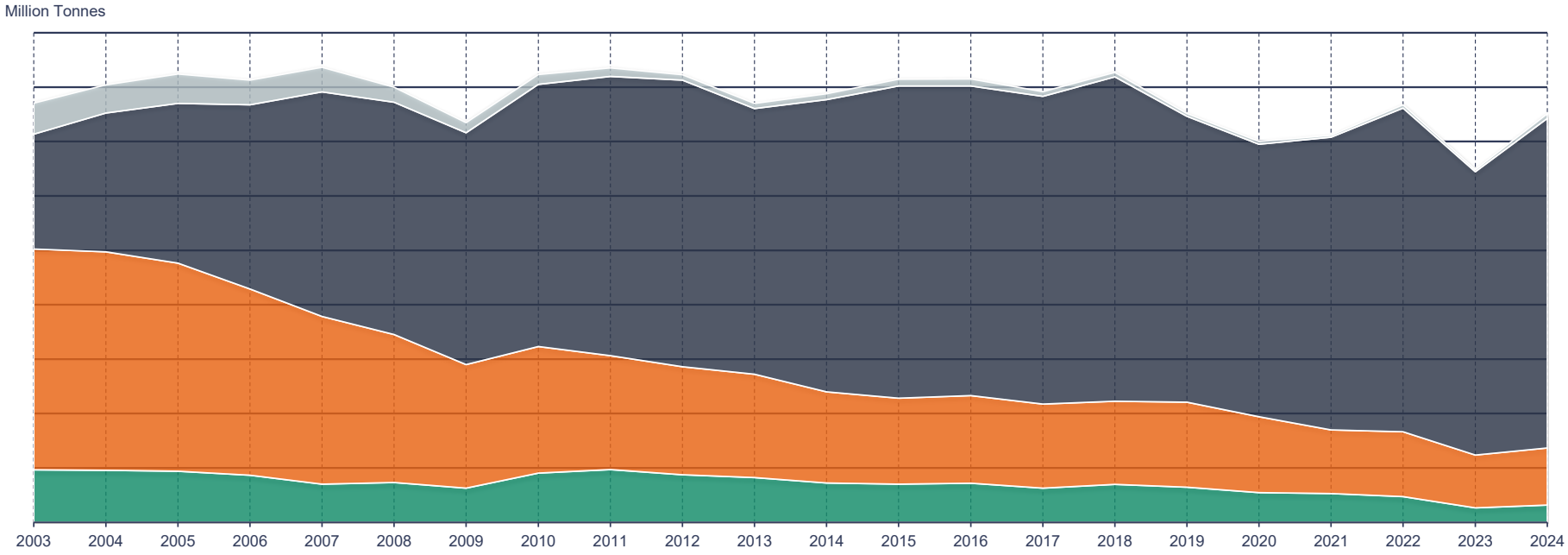
'000 Tonnes	Mechanical and Semi-Chemical Pulp	Sulphite Pulp	Sulphate Pulp	Other Pulp	Total Pulp	% Share of total
Italy						
Netherlands (1)						
Germany						
Spain						
France						
Poland						
Belgium						
Sweden						
Slovenia						
Other EU-27 Countries						
Total EU-27 Imports						



(1) Netherlands: includes market pulp transit in Rotterdam harbour.

EU-27 Market Pulp Imports by Source Region

'000 Tonnes	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	% change 2024/2023	% Share of Total
Non-EU Europe																	
North America																	
Latin America																	
Asia																	
Africa																	
Rest of the World																	
Total EU-27 Imports																	

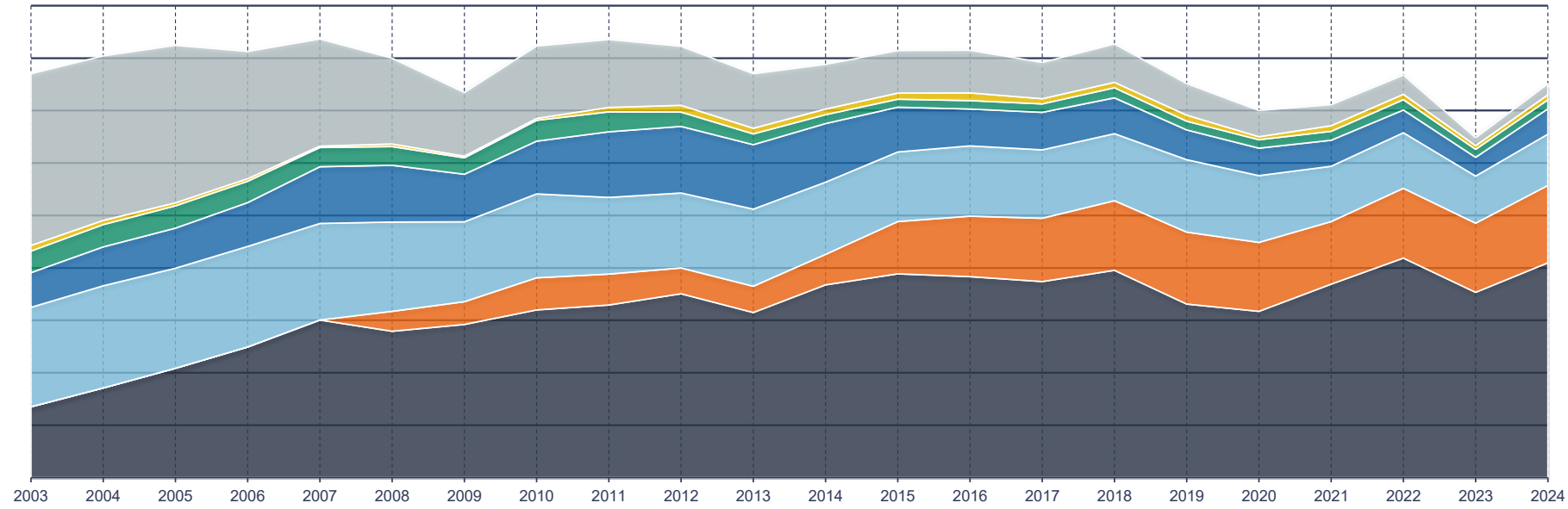


Market Pulp - Historic Imports by Source Country

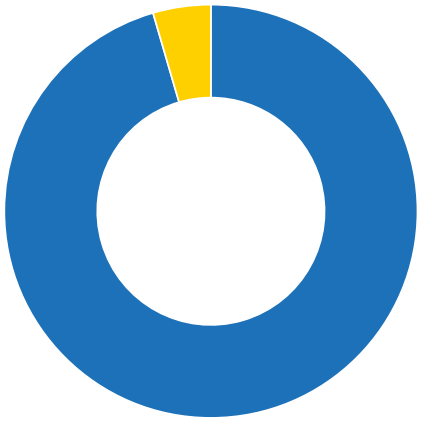
EU-27 Market Pulp Imports by Source Country

'000 Tonnes	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	% change 2024/2023	% Share of Total
Brazil																	
Uruguay																	
United States																	
Chile																	
Norway																	
Switzerland																	
Canada																	
Belarus																	
Rest of the World																	
Total EU-27 Imports																	

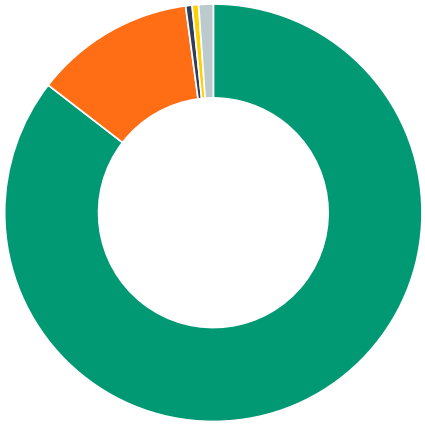
Million Tonnes



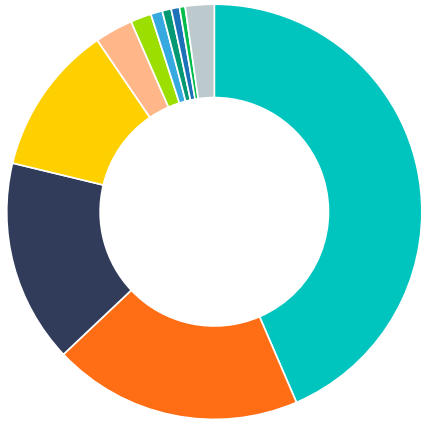
Origin of EU-27 Paper for Recycling Utilisation in 2024



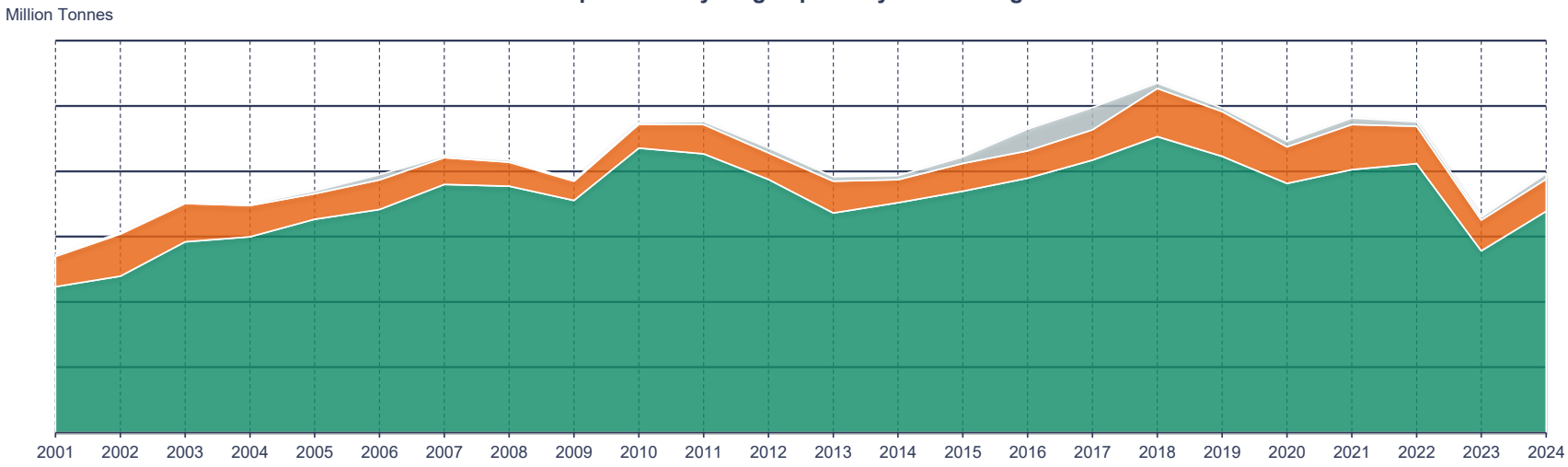
EU-27 PFR Imports by Source Region in 2024



EU-27 PFR Imports by Source Country in 2024

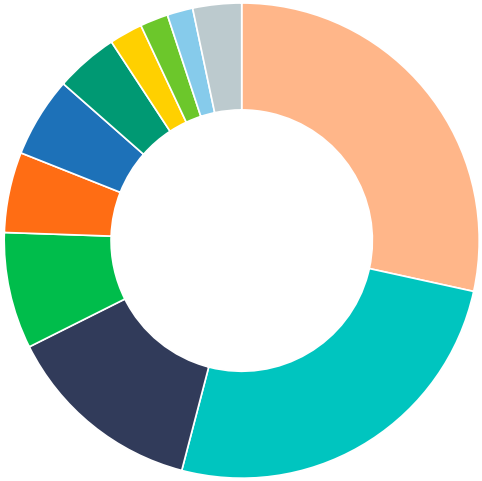


EU-27 Paper for Recycling Imports by Source Region



** Rest of the World includes 115 000 tonnes imported from "not determined countries" in 2016 and 2017 (source: Eurostat).*

Biggest EU-27 Paper for Recycling Importers in 2024*



EU-27 Paper for Recycling Imports by Importing Country in 2024*

'000 Tonnes	Imports	% change 2024/2023	% Share of Total
Netherlands (1)			
Germany			
France			
Sweden			
Italy			
Belgium			
Spain			
Austria			
Croatia			
Poland			
Denmark			
Hungary			
Slovenia			
Greece			
Finland			
Latvia			
Lithuania			
Bulgaria			
Estonia			
Other EU-27 Countries			
Total EU-27 Imports			

** Imports from outside EU region*

(1) Netherlands: includes paper for recycling transit in Rotterdam harbour.

EU-27 Paper for Recycling Imports by Importing Country and by Origin in 2024

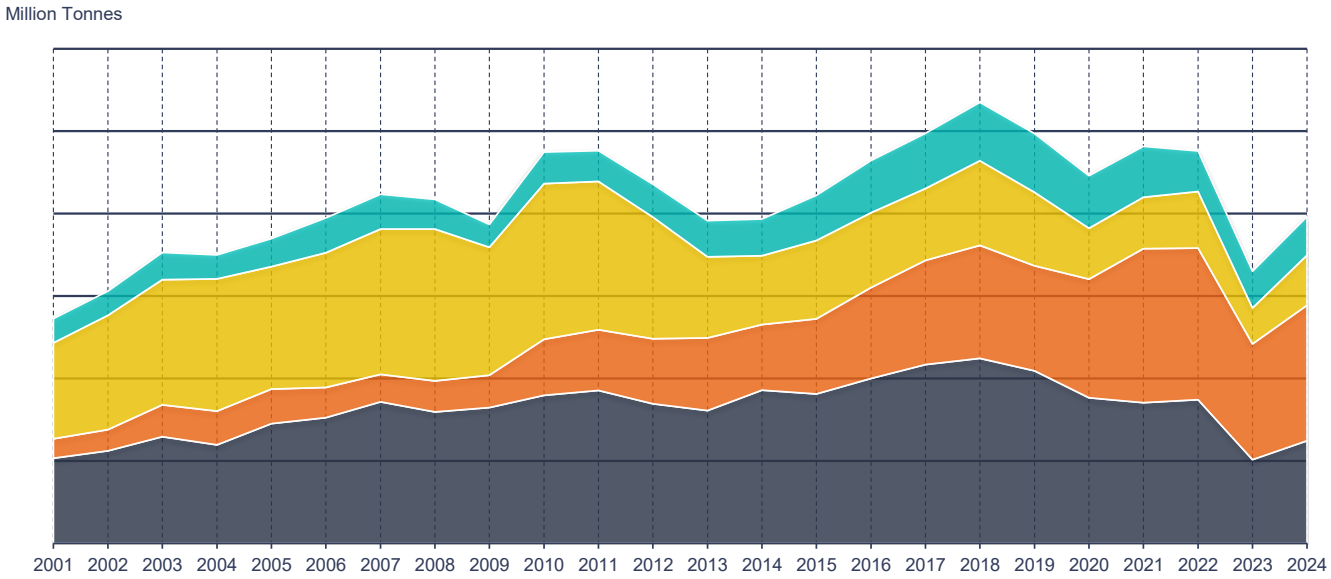
'000 Tonnes	United Kingdom	Switzerland	Norway	United States	Serbia	Iceland	Bosnia and Herzegovina	Canada	Rest of the World	Total Imports	% Share of Total
Netherlands (1)											
Germany											
France											
Sweden											
Italy											
Belgium											
Spain											
Austria											
Croatia											
Poland											
Denmark											
Hungary											
Slovenia											
Greece											
Finland											
Latvia											
Lithuania											
Bulgaria											
Other EU-27 Countries											
Total EU-27 Imports											
% of Total											

(1) Netherlands: includes paper for recycling transit in Rotterdam harbour.

EU-27 Paper for Recycling Imports by Grade in 2024



EU-27 Paper for Recycling Imports by Grade



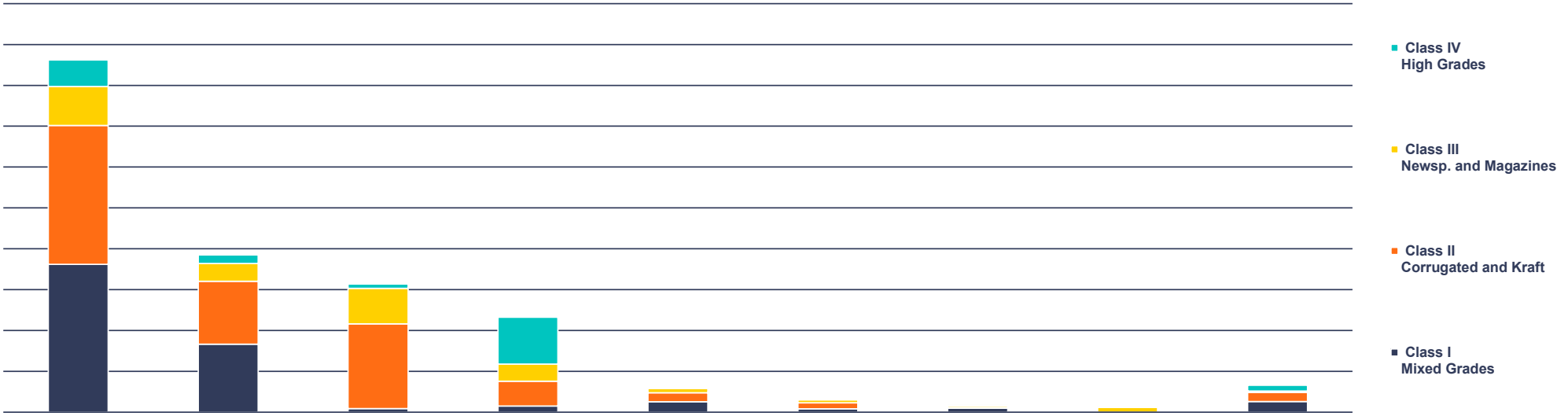
Note

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 (470790): 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 (470710): 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 (470730): 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 (470720): 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

EU-27 Paper for Recycling Imports by Grade and by Origin in 2024

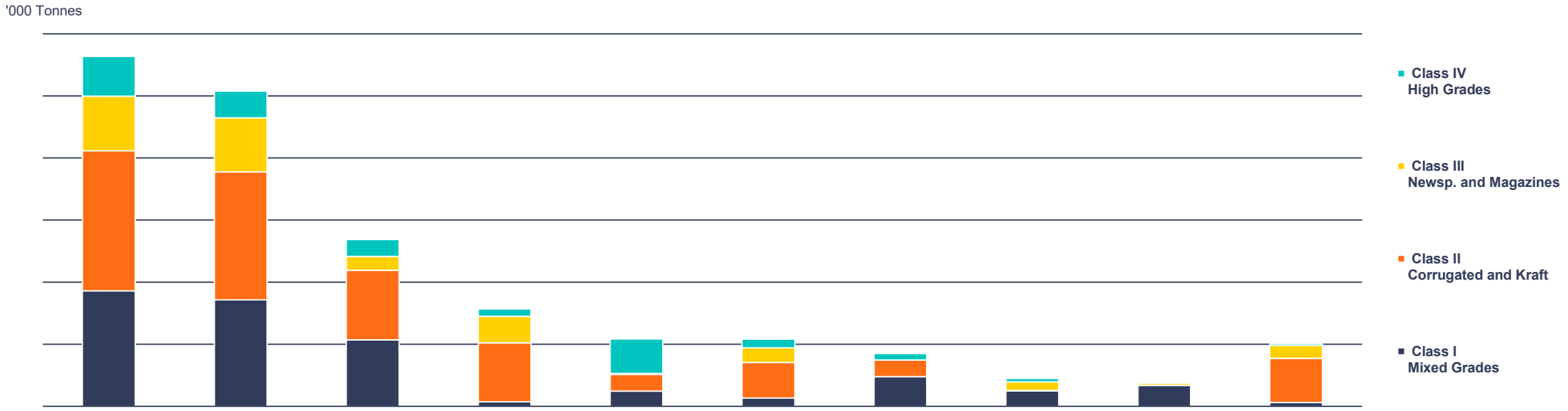
'000 Tonnes	Class I Mixed Grades	Class II Corrugated and Kraft	Class III Newsp. and Magazines	Class IV High Grades	Total Paper for Recycling	% change 2024/2023	% Share of Total	% of Paper for Recycling Utilisation
United Kingdom								
Switzerland								
Norway								
United States								
Serbia								
Iceland								
Bosnia and Herzegovina								
Canada								
Rest of the World								
Total EU-27 Imports								

'000 Tonnes



EU-27 Paper for Recycling Imports by Grade and by Importing Country in 2024

'000 Tonnes	Class I Mixed Grades	Class II Corrugated and Kraft	Class III Newsp. and Magazines	Class IV High Grades	Total Paper for Recycling	% Share of Total
Netherlands (1)						
Germany						
France						
Sweden						
Italy						
Belgium						
Spain						
Austria						
Croatia						
Other EU-27 Countries						
Total EU-27 Imports						

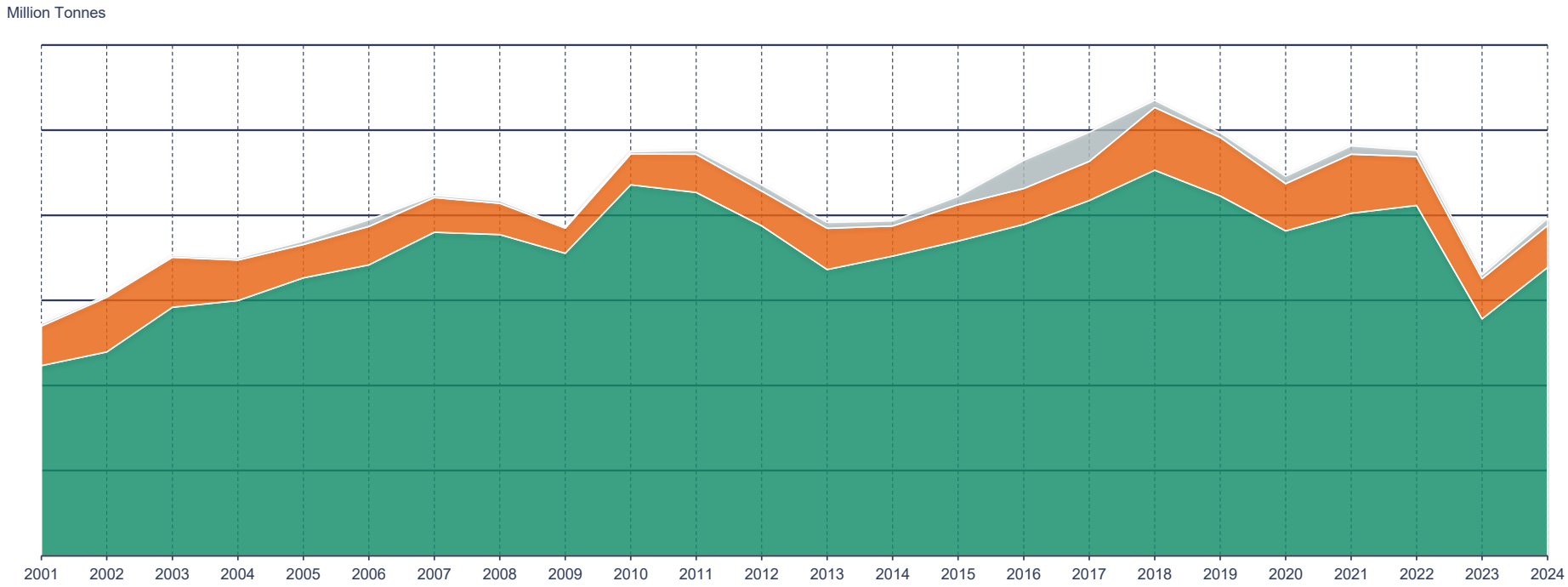


(1) Netherlands: includes paper for recycling transit in Rotterdam harbour.

EU-27 Paper for Recycling Imports by Source Region

'000 Tonnes	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	% change 2024/2023	% Share of Total
Non-EU Europe																	
North America																	
Latin America																	
Asia																	
Rest of the World *																	
Total EU-27 Imports	**2 374**																

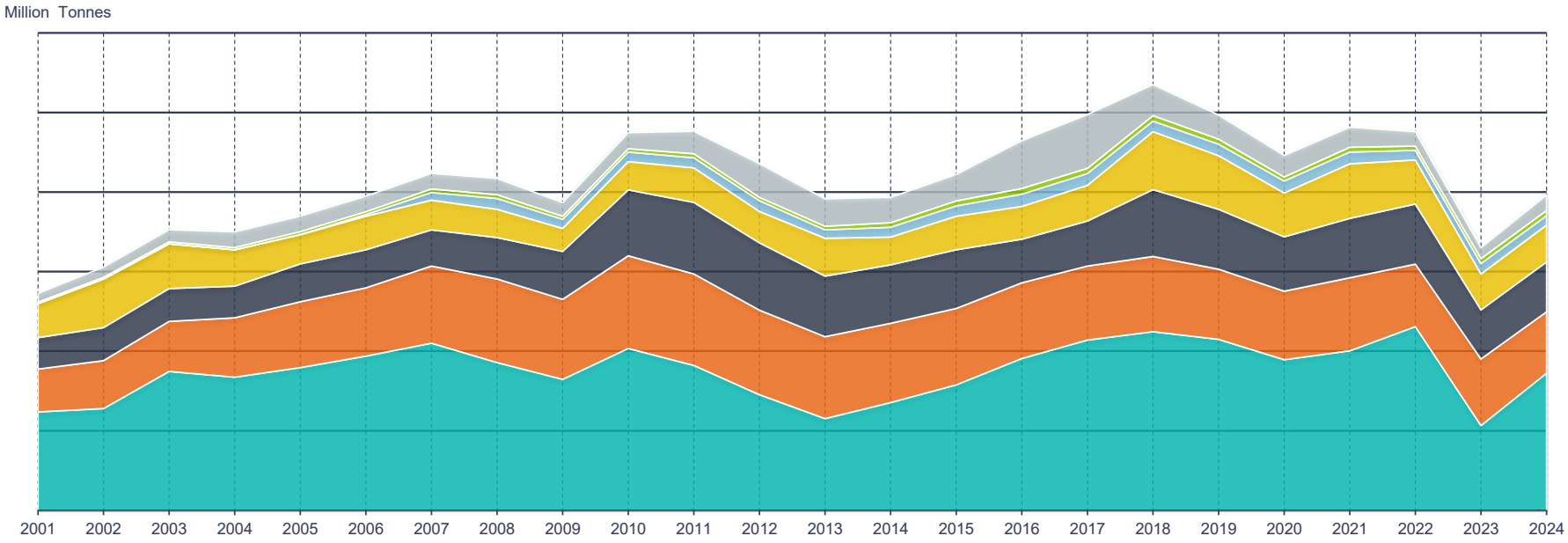
** Rest of the World includes 115 000 tonnes imported from "not determined countries" in 2016 and 2017 (source: Eurostat).*



EU-27 Paper for Recycling Imports by Source Country

'000 Tonnes	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	% change 2024/2023	% Share of Total
United Kingdom																	
Switzerland																	
Norway																	
United States																	
Serbia																	
Iceland																	
Bosnia and Herzegovina																	
Canada																	
Rest of the World *																	
Total EU-27 Imports																	

** Rest of the World includes 115 000 tonnes imported from "not determined countries" in 2017 (source: Eurostat).*



Wood Consumption and Trade

The wood used for pulp and paper manufacturing is mainly constituted of the following assortments: pulpwood (roundwood other than sawlogs, from silvicultural measures such as thinning or final felling), chips and residues from sawmills. The utilisation of sawlogs is very limited and sawdust volumes consumed are negligible. The relative shares of softwood and hardwood used depend on the country considered and the pulp and paper grades produced. The main softwood species used are pine and spruce. The main hardwood species used are birch, eucalyptus, beech and aspen. Oak is hardly used. The wood consumption figures reported by the pulp and paper companies and included in the Cepi statistics are the volumes of wood at the mill gates and come from domestic supply or imports.

Regarding imports, although it is impossible to define the exact destination of the wood imported, it is estimated that around 80 to 90% of imported pulpwood and a limited share of imported sawlogs (process residues) is being used for pulp and paper manufacturing. The remaining part of the imported pulpwood is going to the manufacturing of particle board (oriented strand board – OSB) and pellets, while the main share of imported sawlogs is going to the manufacturing of sawnwood and plywood. Imported chips are going to pulp and paper manufacturing as well as the manufacturing of particle board and fibreboard (medium density fibreboard – MDF), according to consultants (Indufor and Pöyry Management Consulting Oy).

To calculate the share of the domestic origin of the wood consumed by the pulp and paper industry, i.e. the share of the wood consumed that is not imported, it is assumed that 100% of the pulpwood imported, 100% of the chips imported and 0% of the sawlogs and sawdust imported are going to pulp and paper manufacturing.

Related HS Codes

Assortments	Species		HS Codes
Pulpwood - Roundwood	Softwood (Coniferous)	Spruce	4403 2390 + 4403 2400
		Pine	4403 2190 + 4403 2200
		Other Softwood	4403 2590 + 4403 2600
	Hardwood (Non-Coniferous)	Beech	4403 9400
		Eucalyptus	4403 9800
		Birch	4403 9590 + 4403 9600
		Aspen and poplar	4403 9700
		Other Hardwood	4403 9900
Chips	Softwood	Not Defined	4401 21 00
	Hardwood	Not Defined	4401 22 10 + 4401 22 90

Pulpwood - Roundwood

Logs and branches, other than sawlogs

Chips

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

Sources of Data

Consumption: Cepi Members (Annual Statistics)

Imports Cepi: EUROSTAT (detailed external trade)

Imports EU-27 2005-2007: Poyry Origin of Fibre Study 2008

Imports EU-27 2008-2024: EUROSTAT (detailed external trade)

Market Pulp

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 and Semi-Chemical Pulps

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.
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.

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.
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 Pulps

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.
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.

Other Pulps

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

Related HS Codes

Mechanical and Semi-Chemical: 4701 00 10 + 4701 00 90 + 4705 00 00

Chemical Sulphite: 4704 11 00 + 4704 19 00 + 4701 21 00 + 4704 29 00

Chemical Sulphate: 4703 11 00 + 4703 19 00 + 4703 21 00 + 4703 29 00

Other Pulp: 4706 10 00 + 4706 20 00 + 4706 30 00 + 4706 91 00 + 4706 92 00 + 4706 93 00

Sources of Data

Consumption: Cepi Members (Annual Statistics)

Imports Cepi: Cepi Members (Annual Statistics)

Imports EU-27: EUROSTAT (detailed external trade)

Paper for Recycling UtilisationUtilisation

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

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.

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

Related HS Codes

Class I - Mixed Grades: 470790

Class II - Corrugated and Kraft: 470710

Class III - Newspapers and Magazines: 470730

Class IV - Other Grades: 470720

Source of Data

Utilisation: Cepi Members (Annual Statistics)

Imports Cepi: Cepi Members (Annual Statistics)

Imports EU-27: EUROSTAT (detailed external trade)

Cepi uses the European Union Geonomenclature for its statistics

Europe

Cepi Countries

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

Other Europe than Cepi Countries

Albania, Andorra, Belarus, Bosnia-Herzegovina, Bulgaria, Croatia, Cyprus, Denmark, Estonia, Faeroe Islands, Gibraltar, Greece, Iceland, Ireland, Isle of Man, Kosovo, Latvia, Liechtenstein, Lithuania, Luxembourg, Macedonia, Malta, Moldova (Republic of), Monaco, Montenegro, Russia, 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.