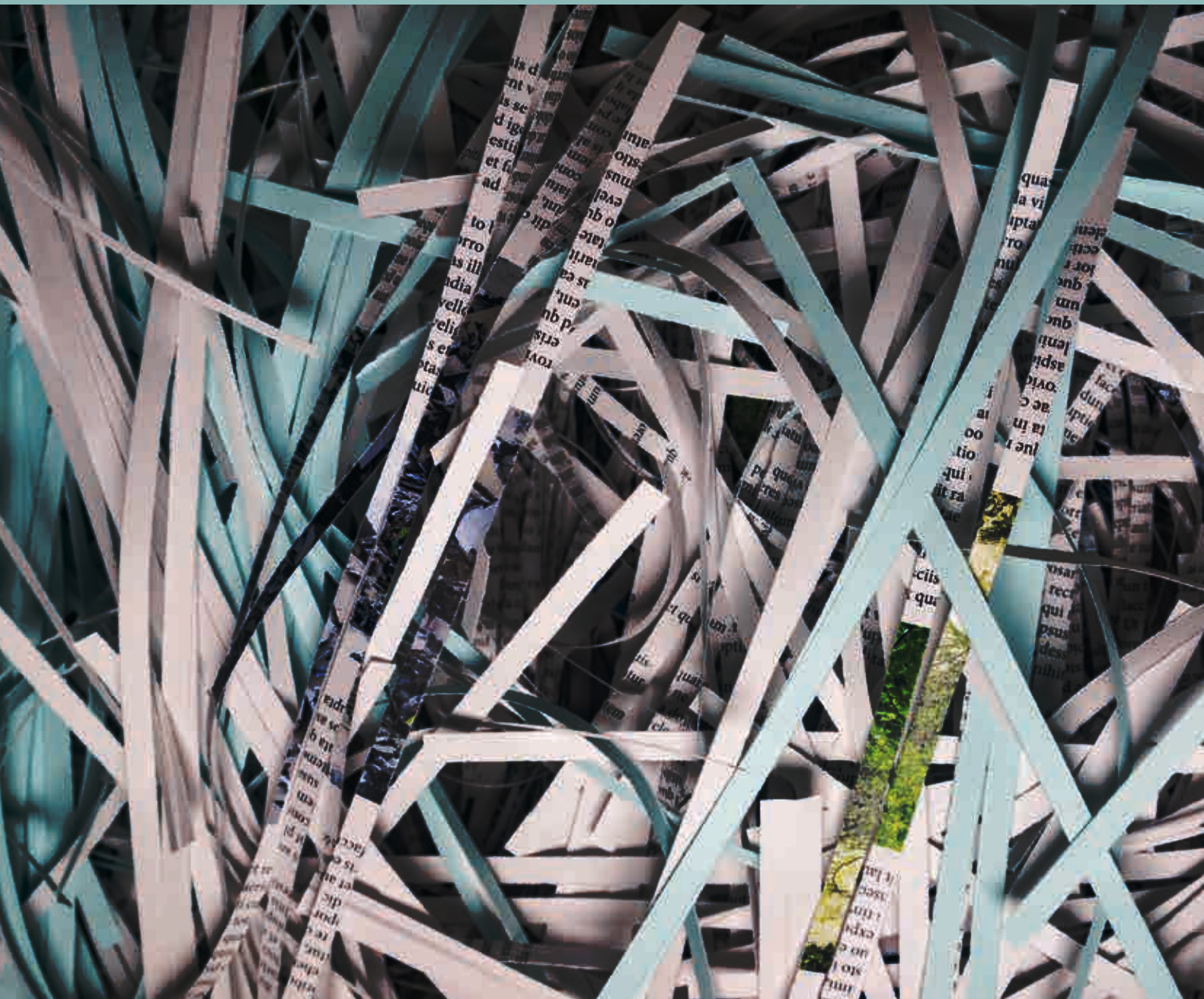




Food and Agriculture
Organization of the
United Nations

RECOVERED PAPER DATA 2017



RECOVERED PAPER DATA 2017

FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS
Rome, 2019

Required citation:

FAO. 2019. *Recovered paper data 2017*. Rome. 34 pp. Licence: CC BY-NC-SA 3.0 IGO.

The designations employed and the presentation of material in this information product do not imply the expression of any opinion whatsoever on the part of the Food and Agriculture Organization of the United Nations (FAO) concerning the legal or development status of any country, territory, city or area or of its authorities, or concerning the delimitation of its frontiers or boundaries. The mention of specific companies or products of manufacturers, whether or not these have been patented, does not imply that these have been endorsed or recommended by FAO in preference to others of a similar nature that are not mentioned.

The views expressed in this information product are those of the author(s) and do not necessarily reflect the views or policies of FAO.

ISBN 978-92-5-131313-8

© FAO, 2019



Some rights reserved. This work is made available under the Creative Commons Attribution-NonCommercial-ShareAlike 3.0 IGO licence (CC BY-NC-SA 3.0 IGO; <https://creativecommons.org/licenses/by-nc-sa/3.0/igo/legalcode/legalcode>).

Under the terms of this licence, this work may be copied, redistributed and adapted for non-commercial purposes, provided that the work is appropriately cited. In any use of this work, there should be no suggestion that FAO endorses any specific organization, products or services. The use of the FAO logo is not permitted. If the work is adapted, then it must be licensed under the same or equivalent Creative Commons licence. If a translation of this work is created, it must include the following disclaimer along with the required citation: "This translation was not created by the Food and Agriculture Organization of the United Nations (FAO). FAO is not responsible for the content or accuracy of this translation. The original [Language] edition shall be the authoritative edition.

Disputes arising under the licence that cannot be settled amicably will be resolved by mediation and arbitration as described in Article 8 of the licence except as otherwise provided herein. The applicable mediation rules will be the mediation rules of the World Intellectual Property Organization <http://www.wipo.int/amc/en/mediation/rules> and any arbitration will be conducted in accordance with the Arbitration Rules of the United Nations Commission on International Trade Law (UNCITRAL).

Third-party materials. Users wishing to reuse material from this work that is attributed to a third party, such as tables, figures or images, are responsible for determining whether permission is needed for that reuse and for obtaining permission from the copyright holder. The risk of claims resulting from infringement of any third-party-owned component in the work rests solely with the user.

Sales, rights and licensing. FAO information products are available on the FAO website (www.fao.org/publications) and can be purchased through publications-sales@fao.org. Requests for commercial use should be submitted via: www.fao.org/contact-us/licence-request. Queries regarding rights and licensing should be submitted to: copyright@fao.org.

CONTENTS

	Page
ACKNOWLEDGEMENTS	iv
INTRODUCTION	v
GLOBAL COLLECTION, TRADE AND CONSUMPTION	1
MAJOR TRADE FLOWS IN THE WORLD	2
UTILIZATION OF RECOVERED PAPER (SUMMARY)	3
COUNTRY TABLES	5
Australia, Austria	6
Brazil, Canada	7
China, Czechia	8
Finland and Norway, France	9
Germany, Indonesia	10
Italy, Japan	11
Mexico, Netherlands	12
New Zealand, Poland	13
Portugal, Republic of Korea	14
Romania, Russian Federation	15
Slovenia, South Africa	16
Spain, Sweden	17
Switzerland, Thailand	18
Ukraine, United Kingdom	19
United States of America	20
ANNEX 1: DEFINITIONS	
ANNEX 2: CORRESPONDENTS	

ACKNOWLEDGEMENTS

FAO Forest Products and Statistics Team would like to express its appreciation for information and assistance received from the Confederation of European Paper Industries (CEPI), in particular Bernard Lombard and Ariane Crèvecoeur.

The *Recovered paper data 2017* publication is the result of collaboration and data exchange among the FAO Forestry Department, the Confederation of European Paper Industries (CEPI), the United Nations Economic Commission for Europe (UNECE), the Statistical Office of the European Union (Eurostat), the International Tropical Timber Organization (ITTO) and country correspondents.

The publication of this document is possible only because FAO receives support from correspondents. Their willingness to share and exchange data is greatly appreciated.

INTRODUCTION

The *Recovered paper data 2017* publication presents the results of a statistical survey on recovered paper utilization by country and by paper sector. The survey results are complemented with global data on collection, consumption and trade of recovered paper.

The survey on recovered paper utilization was carried out with support from The Confederation of European Paper Industries (CEPI) who shared data with FAO for its member countries (Austria, Czechia, Finland and Norway, France, Germany, Italy, Netherlands, Poland, Portugal, Romania, Slovenia, Spain, Sweden and United Kingdom). In addition to the fifteen countries covered by CEPI, the following sixteen countries provided data via FAO's questionnaire: Australia, Brazil, Canada, Chile, China, Indonesia, Japan, Mexico, New Zealand, Republic of Korea, Russian Federation, South Africa, Switzerland, Thailand, Ukraine and United States of America. Together, these 30 countries represent 90% of global consumption of recovered paper. Country tables are based on information submitted by correspondents worldwide, most of them pulp and paper associations. **This survey presents only results for countries that submitted answers to the questionnaires.** No attempt has been made to estimate figures in the absence of returned information. Data sources are indicated below each table and all correspondents are listed in Annex 2.

To present a global overview, survey results were complemented with global data on recovered paper collection, consumption and trade from the FAOSTAT database. In addition, data on major trade flows were taken from the UN Comtrade Database. All sources are specified below the tables.

For inquiries about these data, please contact the national correspondents or the FAO Forestry Department, Forestry Policy and Resources Division. Mailing address: Viale delle Terme di Caracalla, 00153 Rome, Italy, telephone: +39 06 570 53641, fax: +39 06 570 53137, e-mail: FPS@fao.org. These data and data from previous surveys are also available on-line at:

<http://www.fao.org/forestry/statistics/81776/en/>

2017

COUNTRY	COLLECTION OF RECOVERED PAPER	EXPORT OF RECOVERED PAPER	APPARENT CONSUMPTION OF RECOVERED PAPER	IMPORT OF RECOVERED PAPER
1000 METRIC TONS				
AUSTRALIA	3 139	1 369	1 772	2
AUSTRIA	1 416	338	2 293	1 215
BRAZIL	4 956	55	4 917	16
CANADA	2 700	2 522	978	800
CHINA	52 852	2	78 569	25 719
CZECHIA	1 017	870	223	76
FINLAND + NORWAY	1 242	546	814	118
FRANCE	7 290	2 896	5 381	987
GERMANY	15 270	2 837	16 968	4 535
INDONESIA	3 233	104	5 321	2 192
ITALY	6 479	1 867	4 967	355
JAPAN	21 486	3 734	17 798	46
MEXICO	4 622	364	5 751	1 493
NETHERLANDS	2 474	2 742	2 634	2 902
NEW ZEALAND	540	335	209	4
POLAND	2 750	801	2 353	404
PORTUGAL	640	463	208	31
REPUBLIC OF KOREA	9 141	578	10 025	1 462
ROMANIA	607	181	451	25
RUSSIAN FEDERATION	3 115	349	2 800	34
SLOVENIA	246	148	378	280
SOUTH AFRICA	1 282	122	1 218	58
SPAIN	4 557	1 062	5 020	1 525
SWEDEN	1 027	452	1 155	580
SWITZERLAND	1 279	468	1 194	383
THAILAND	2 758	89	4 168	1 499
UKRAINE	725	12	1 060	347
UNITED KINGDOM	7 772	4 733	3 146	107
UNITED STATES OF AMERICA	47 627	18 289	30 235	897
OTHER COUNTRIES	23 574	9 034	24 655	10 115
WORLD TOTAL	235 816	57 362	236 661	58 207

Source: FAOSTAT-Forestry database (<http://www.fao.org/faostat/en/#data/FO>), as of November 2018

MAJOR TRADE FLOWS OF RECOVERED PAPER

2017

TO

FROM	China	Germany	India	Netherlands	Indonesia	Spain	Thailand	Mexico	Republic of Korea	Viet Nam	Austria	France	Belgium	United States of America	Canada	Others	TOTAL WORLD
United States of America	11 733	44	1 293	90	326	7	282	1 427	731	400	1	7	7	7	798	1 144	18 289
United Kingdom	2 890	205	333	355	245	42	40	13	4	270	15	67	74	1	0	180	4 733
Japan	2 508	0	2	0	84	0	270	0	291	224	0	0	0	0	0	355	3 734
France	432	515	32	142	51	1 127	19	2	142	16	8	327	0	0	0	218	2 896
Germany	252	57	1 105	27	8	48	3	1	7	385	515	126	0	0	0	302	2 837
Netherlands	1 142	743	79	0	75	30	11	2	119	34	16	104	327	0	0	61	2 742
Canada	1 448	0	62	6	10	0	60	0	50	10	0	0	0	793	1	81	2 522
Italy	899	199	14	133	15	100	2	17	110	105	31	31	5	0	0	219	1 867
Belgium	427	199	71	549	53	9	3	4	18	17	1	108	0	0	0	136	1 595
Australia	758	0	56	0	244	0	148	0	13	33	0	0	0	0	0	116	1 369
Spain	720	2	28	20	25	0	11	2	7	19	1	38	2	0	0	188	1 062
Czech Republic	0	360	0	63	0	0	0	0	0	0	272	0	0	0	0	175	870
Poland	26	542	3	33	0	0	0	0	0	71	1	1	0	0	0	125	801
China, Hong Kong SAR	722	0	0	0	2	0	16	0	7	31	0	0	0	0	0	15	794
Denmark	0	392	0	51	0	0	0	0	0	0	1	0	0	0	0	142	587
Republic of Korea	281	0	0	0	94	0	11	0	0	70	0	0	0	0	0	121	578
Singapore	87	0	34	0	183	0	76	0	45	40	0	0	0	0	0	107	573
United Arab Emirates	10	0	263	0	90	0	94	0	5	0	0	0	0	0	0	8	470
Switzerland	66	1	10	3	2	16	10	0	3	0	22	97	0	0	0	24	468
Portugal	66	1	10	3	2	237	1	1	18	17	0	0	0	0	0	141	463
Norway	20	18	0	22	11	0	5	0	0	0	0	0	0	0	0	346	458
Sweden	1	79	0	50	1	6	2	0	5	3	3	0	1	0	0	305	452
Ireland	134	3	83	50	24	3	12	0	2	6	0	0	0	0	0	90	406
Saudi Arabia	11	0	203	0	51	0	76	0	6	30	0	0	0	0	0	3	380
Mexico	145	0	1	0	0	0	1	0	5	2	0	0	0	49	0	161	364
Greece	175	0	12	2	58	1	20	0	3	24	0	0	0	0	0	62	356
Russian Federation	28	13	3	8	0	0	1	1	0	1	1	0	0	0	0	293	349
Austria	1	246	0	3	0	0	0	0	0	0	0	0	1	0	0	87	338
New Zealand	60	0	38	0	172	0	24	0	4	12	0	0	0	0	0	25	335
Slovakia	0	3	4	0	0	0	0	0	0	115	0	0	0	0	0	169	291
Others	741	679	603	334	230	24	157	36	104	70	199	18	39	54	1	1 938	5 228
TOTAL WORLD	25 719	4 535	3 285	2 902	2 192	1 525	1 499	1 493	1 462	1 450	1 215	987	910	897	800	7 336	58 207

Source: FAOSTAT-Forestry database (<http://www.fao.org/faostat/en/#data/FO>) and UN Comtrade database (<https://comtrade.un.org/data/>), as of November 2018

UTILIZATION OF RECOVERED PAPER (SUMMARY)

3

2017

COUNTRY	TOTAL UTILIZATION OF RECOVERED PAPER	OF WHICH BY SECTOR:								
		GRAPHIC PAPERS			WRAPPING AND PACKAGING				HOUSEHOLD AND SANITARY PAPERS	OTHER PAPER AND PAPERBOARD, N.E.S
		NEWSPRINT	OTHER	TOTAL	CASE MATERIALS	CARTONBOARD	OTHER	TOTAL		
1000 METRIC TONS										
AUSTRALIA	1 787	118	0	118	0	425	693	1 118	35	516
AUSTRIA	2 236	254	518	772	782	483	29	1 294	165	5
BRAZIL	4 917	.	.	.	.	.	.	.	.	.
CANADA	2 577	.	.	.	.	.	.	.	.	.
CHINA	78 568	3 173	1 826	4 999	54 404	6 219	4 418	65 041	4 621	3 907
CZECHIA	222	0	0	0	143	3	66	213	3	6
FINLAND AND NORWAY	860	301	0	301	230	0	207	437	95	27
FRANCE	5 383	718	199	918	3 513	0	585	4 098	281	87
GERMANY	17 103	2 065	2 178	4 243	8 866	1 547	997	11 410	695	755
INDONESIA	5 322	.	.	.	.	.	.	.	.	.
ITALY	4 994	0	50	50	2 705	492	1 448	4 645	125	174
JAPAN	17 114	.	.	.	.	.	.	.	.	.
MEXICO	5 751	.	.	.	.	.	.	.	.	.
NETHERLANDS	2 634	0	293	293	1 367	26	820	2 213	128	0
NEW ZEALAND	207	0	0	0	0	0	0	0	0	207
POLAND	2 387	111	52	163	1 849	25	11	1 886	328	10
PORTUGAL	208	0	0	0	172	0	0	172	36	0
REPUBLIC OF KOREA	10 026	1 474	16	1 490	6 501	969	87	7 557	187	792
ROMANIA	452	0	0	0	409	0	0	409	43	0
RUSSIAN FEDERATION	2 800	100	180	280	1 700	300	350	2 350	10	160
SLOVENIA	377	171	28	198	0	157	0	157	14	7
SOUTH AFRICA	1 218	109	204	313	.	.	.	905	0	0
SPAIN	5 020	570	0	570	3 367	308	361	4 036	199	215
SWEDEN	1 155	242	0	242	518	183	0	701	212	0
SWITZERLAND	1 177	679	21	700	0	406	0	406	62	9
THAILAND	4 168	128	714	842	.	.	.	3 260	66	0
UKRAINE	1 060	1	10	11	665	118	26	809	143	97
UNITED KINGDOM	3 147	714	0	714	1 698	0	170	1 868	376	188
UNITED STATES OF AMERICA	28 273	78	794	872	16 617	5 533	873	23 023	3 817	562
TOTAL REPORTED	211 144	11 007	7 083	18 089	105 507	17 195	11 142	133 843	11 641	7 724

Source: FAO Recovered Paper Survey 2017, see ANNEX 2

COUNTRY TABLES

AUSTRALIA

RECOVERED PAPER USED DOMESTICALLY FOR PAPER AND PAPERBOARD MAKING
(ALL FIGURES IN 000 METRIC TONS)

OF WHICH:

MAJOR GRADES OF PAPER AND PAPERBOARD	TOTAL USE OF RECOVERED PAPER	MIXED GRADES ¹	CORRUGATED, SOLID CONTAINER AND KRAFT SACK WASTE (OLD AND NEW) ²	OLD AND OVER-ISSUE NEWSPAPERS, MAGAZINES, ETC. ³	WOOD-FREE PRINTING AND WRITING PAPERS AND OTHER HIGH-GRADE QUALITIES ⁴
1000 METRIC TONS					
1 PAPER AND PAPERBOARD	1 787	496	1 118	118	55
1.1 GRAPHIC PAPERS	118	0	0	118	0
1.1.1 NEWSPRINT	118	0	0	118	0
1.1.2 OTHER GRAPHIC PAPERS	0	0	0	0	0
1.2 WRAPPING AND PACKAGING	1 118	0	1 118	0	0
1.2.1 CASE MATERIALS	0	0	0	0	0
1.2.2 CARTONBOARD	425	0	425	0	0
1.2.3 OTHER WRAPPING AND PACKAGING	693	0	693	0	0
1.3 HOUSEHOLD AND SANITARY PAPERS	35	33	0	0	2
1.4 OTHER PAPER AND PAPERBOARD, N.E.S.	516	463	0	0	53

Source: FAO Recovered Paper Survey 2017, see ANNEX 2

AUSTRIA

RECOVERED PAPER USED DOMESTICALLY FOR PAPER AND PAPERBOARD MAKING
(ALL FIGURES IN 000 METRIC TONS)

OF WHICH:

MAJOR GRADES OF PAPER AND PAPERBOARD	TOTAL USE OF RECOVERED PAPER	MIXED GRADES ¹	CORRUGATED, SOLID CONTAINER AND KRAFT SACK WASTE (OLD AND NEW) ²	OLD AND OVER-ISSUE NEWSPAPERS, MAGAZINES, ETC. ³	WOOD-FREE PRINTING AND WRITING PAPERS AND OTHER HIGH-GRADE QUALITIES ⁴
1000 METRIC TONS					
1 PAPER AND PAPERBOARD	2 236	344	813	721	360
1.1 GRAPHIC PAPERS	772	0	0	703	68
1.1.1 NEWSPRINT	254	0	0	254	0
1.1.2 OTHER GRAPHIC PAPERS	518	0	0	449	68
1.2 WRAPPING AND PACKAGING	1 294	276	809	9	199
1.2.1 CASE MATERIALS	782	74	681	0	27
1.2.2 CARTONBOARD	483	198	105	9	172
1.2.3 OTHER WRAPPING AND PACKAGING	29	4	24	0	0
1.3 HOUSEHOLD AND SANITARY PAPERS	165	66	0	8	92
1.4 OTHER PAPER AND PAPERBOARD, N.E.S.	5	2	3	0	0

Source: CEPI, see ANNEX 2

¹All other types of recovered paper, including unsorted waste and scrap²Recovered paper containing mainly unbleached sulphate pulp³Waste paper containing mainly mechanical pulp⁴Recovered paper containing mainly bleached chemical pulp

BRAZIL

RECOVERED PAPER USED DOMESTICALLY FOR PAPER AND PAPERBOARD MAKING
(ALL FIGURES IN 000 METRIC TONS)

OF WHICH:

MAJOR GRADES OF PAPER AND PAPERBOARD	TOTAL USE OF RECOVERED PAPER	MIXED GRADES ¹	CORRUGATED, SOLID CONTAINER AND KRAFT SACK WASTE (OLD AND NEW) ²	OLD AND OVER-ISSUE NEWSPAPERS, MAGAZINES, ETC. ³	WOOD-FREE PRINTING AND WRITING PAPERS AND OTHER HIGH-GRADE QUALITIES ⁴
1000 METRIC TONS					
1 PAPER AND PAPERBOARD	4 917	236	3 874	165	642
1.1 GRAPHIC PAPERS
1.1.1 NEWSPRINT
1.1.2 OTHER GRAPHIC PAPERS
1.2 WRAPPING AND PACKAGING
1.2.1 CASE MATERIALS
1.2.2 CARTONBOARD
1.2.3 OTHER WRAPPING AND PACKAGING
1.3 HOUSEHOLD AND SANITARY PAPERS
1.4 OTHER PAPER AND PAPERBOARD, N.E.S.

Source: FAO Recovered Paper Survey 2017, see ANNEX 2

CANADA

RECOVERED PAPER USED DOMESTICALLY FOR PAPER AND PAPERBOARD MAKING
(ALL FIGURES IN 000 METRIC TONS)

OF WHICH:

MAJOR GRADES OF PAPER AND PAPERBOARD	TOTAL USE OF RECOVERED PAPER	MIXED GRADES ¹	CORRUGATED, SOLID CONTAINER AND KRAFT SACK WASTE (OLD AND NEW) ²	OLD AND OVER-ISSUE NEWSPAPERS, MAGAZINES, ETC. ³	WOOD-FREE PRINTING AND WRITING PAPERS AND OTHER HIGH-GRADE QUALITIES ⁴
1000 METRIC TONS					
1 PAPER AND PAPERBOARD	2 577	169	1 786	91	531
1.1 GRAPHIC PAPERS
1.1.1 NEWSPRINT
1.1.2 OTHER GRAPHIC PAPERS
1.2 WRAPPING AND PACKAGING
1.2.1 CASE MATERIALS
1.2.2 CARTONBOARD
1.2.3 OTHER WRAPPING AND PACKAGING
1.3 HOUSEHOLD AND SANITARY PAPERS
1.4 OTHER PAPER AND PAPERBOARD, N.E.S.

Source: FAO Recovered Paper Survey 2017, see ANNEX 2

¹All other types of recovered paper, including unsorted waste and scrap²Recovered paper containing mainly unbleached sulphate pulp³Waste paper containing mainly mechanical pulp⁴Recovered paper containing mainly bleached chemical pulp

CHINA

RECOVERED PAPER USED DOMESTICALLY FOR PAPER AND PAPERBOARD MAKING
(ALL FIGURES IN 000 METRIC TONS)

OF WHICH:

MAJOR GRADES OF PAPER AND PAPERBOARD	TOTAL USE OF RECOVERED PAPER	MIXED GRADES ¹	CORRUGATED, SOLID CONTAINER AND KRAFT SACK WASTE (OLD AND NEW) ²	OLD AND OVER-ISSUE NEWSPAPERS, MAGAZINES, ETC. ³	WOOD-FREE PRINTING AND WRITING PAPERS AND OTHER HIGH-GRADE QUALITIES ⁴
1000 METRIC TONS					
1 PAPER AND PAPERBOARD	78 568	9 392	56 091	7 691	5 394
1.1 GRAPHIC PAPERS	4 999	0	0	3 982	1 017
1.1.1 NEWSPRINT	3 173	0	0	3 173	0
1.1.2 OTHER GRAPHIC PAPERS	1 826	0	0	809	1 017
1.2 WRAPPING AND PACKAGING	65 041	9 340	52 366	2 383	952
1.2.1 CASE MATERIALS	54 404	7 103	47 301	0	0
1.2.2 CARTONBOARD	6 219	2 121	1 573	2 069	456
1.2.3 OTHER WRAPPING AND PACKAGING	4 418	116	3 492	314	496
1.3 HOUSEHOLD AND SANITARY PAPERS	4 621	0	0	1 312	3 309
1.4 OTHER PAPER AND PAPERBOARD, N.E.S.	3 907	52	3 725	14	116

Source: FAO Recovered Paper Survey 2017, see ANNEX 2

CZECHIA

RECOVERED PAPER USED DOMESTICALLY FOR PAPER AND PAPERBOARD MAKING
(ALL FIGURES IN 000 METRIC TONS)

OF WHICH:

MAJOR GRADES OF PAPER AND PAPERBOARD	TOTAL USE OF RECOVERED PAPER	MIXED GRADES ¹	CORRUGATED, SOLID CONTAINER AND KRAFT SACK WASTE (OLD AND NEW) ²	OLD AND OVER-ISSUE NEWSPAPERS, MAGAZINES, ETC. ³	WOOD-FREE PRINTING AND WRITING PAPERS AND OTHER HIGH-GRADE QUALITIES ⁴
1000 METRIC TONS					
1 PAPER AND PAPERBOARD	222	52	162	6	3
1.1 GRAPHIC PAPERS	0	0	0	0	0
1.1.1 NEWSPRINT	0	0	0	0	0
1.1.2 OTHER GRAPHIC PAPERS	0	0	0	0	0
1.2 WRAPPING AND PACKAGING	213	45	159	6	3
1.2.1 CASE MATERIALS	143	1	142	0	0
1.2.2 CARTONBOARD	3	3	0	0	0
1.2.3 OTHER WRAPPING AND PACKAGING	66	41	17	6	3
1.3 HOUSEHOLD AND SANITARY PAPERS	3	0	3	0	1
1.4 OTHER PAPER AND PAPERBOARD, N.E.S.	6	6	0	0	0

Source: CEPI, see ANNEX 2

¹All other types of recovered paper, including unsorted waste and scrap²Recovered paper containing mainly unbleached sulphate pulp³Waste paper containing mainly mechanical pulp⁴Recovered paper containing mainly bleached chemical pulp

FINLAND AND NORWAY

RECOVERED PAPER USED DOMESTICALLY FOR PAPER AND PAPERBOARD MAKING
(ALL FIGURES IN 000 METRIC TONS)

OF WHICH:

MAJOR GRADES OF PAPER AND PAPERBOARD	TOTAL USE OF RECOVERED PAPER	MIXED GRADES ¹	CORRUGATED, SOLID CONTAINER AND KRAFT SACK WASTE (OLD AND NEW) ²	OLD AND OVER-ISSUE NEWSPAPERS, MAGAZINES, ETC. ³	WOOD-FREE PRINTING AND WRITING PAPERS AND OTHER HIGH-GRADE QUALITIES ⁴
1000 METRIC TONS					
1 PAPER AND PAPERBOARD	860	48	420	346	45
1.1 GRAPHIC PAPERS	301	0	0	299	2
1.1.1 NEWSPRINT	301	0	0	299	2
1.1.2 OTHER GRAPHIC PAPERS	0	0	0	0	0
1.2 WRAPPING AND PACKAGING	437	43	392	0	2
1.2.1 CASE MATERIALS	230	17	213	0	0
1.2.2 CARTONBOARD	0	0	0	0	0
1.2.3 OTHER WRAPPING AND PACKAGING	207	26	179	0	2
1.3 HOUSEHOLD AND SANITARY PAPERS	95	5	1	48	41
1.4 OTHER PAPER AND PAPERBOARD, N.E.S.	27	0	27	0	0

Source: CEPI, see ANNEX 2

FRANCE

RECOVERED PAPER USED DOMESTICALLY FOR PAPER AND PAPERBOARD MAKING
(ALL FIGURES IN 000 METRIC TONS)

OF WHICH:

MAJOR GRADES OF PAPER AND PAPERBOARD	TOTAL USE OF RECOVERED PAPER	MIXED GRADES ¹	CORRUGATED, SOLID CONTAINER AND KRAFT SACK WASTE (OLD AND NEW) ²	OLD AND OVER-ISSUE NEWSPAPERS, MAGAZINES, ETC. ³	WOOD-FREE PRINTING AND WRITING PAPERS AND OTHER HIGH-GRADE QUALITIES ⁴
1000 METRIC TONS					
1 PAPER AND PAPERBOARD	5 383	564	3 460	686	673
1.1 GRAPHIC PAPERS	918	24	0	666	228
1.1.1 NEWSPRINT	718	24	0	666	28
1.1.2 OTHER GRAPHIC PAPERS	199	0	0	0	199
1.2 WRAPPING AND PACKAGING	4 098	519	3 384	2	193
1.2.1 CASE MATERIALS	3 513	394	3 020	0	99
1.2.2 CARTONBOARD	0	0	0	0	0
1.2.3 OTHER WRAPPING AND PACKAGING	585	125	365	2	94
1.3 HOUSEHOLD AND SANITARY PAPERS	281	18	0	18	244
1.4 OTHER PAPER AND PAPERBOARD, N.E.S.	87	3	76	0	8

Source: CEPI, see ANNEX 2

¹All other types of recovered paper, including unsorted waste and scrap²Recovered paper containing mainly unbleached sulphate pulp³Waste paper containing mainly mechanical pulp⁴Recovered paper containing mainly bleached chemical pulp

GERMANY

RECOVERED PAPER USED DOMESTICALLY FOR PAPER AND PAPERBOARD MAKING
(ALL FIGURES IN 000 METRIC TONS)

OF WHICH:

MAJOR GRADES OF PAPER AND PAPERBOARD	TOTAL USE OF RECOVERED PAPER	MIXED GRADES ¹	CORRUGATED, SOLID CONTAINER AND KRAFT SACK WASTE (OLD AND NEW) ²	OLD AND OVER-ISSUE NEWSPAPERS, MAGAZINES, ETC. ³	WOOD-FREE PRINTING AND WRITING PAPERS AND OTHER HIGH-GRADE QUALITIES ⁴
1000 METRIC TONS					
1 PAPER AND PAPERBOARD	17 103	4 199	7 020	3 965	1 919
1.1 GRAPHIC PAPERS	4 243	38	5	3 926	274
1.1.1 NEWSPRINT	2 065	0	0	2 006	59
1.1.2 OTHER GRAPHIC PAPERS	2 178	38	5	1 920	215
1.2 WRAPPING AND PACKAGING	11 410	4 008	6 436	18	948
1.2.1 CASE MATERIALS	8 866	2 363	6 084	3	416
1.2.2 CARTONBOARD	1 547	1 034	80	4	429
1.2.3 OTHER WRAPPING AND PACKAGING	997	611	272	11	103
1.3 HOUSEHOLD AND SANITARY PAPERS	695	77	1	5	612
1.4 OTHER PAPER AND PAPERBOARD, N.E.S.	755	76	578	16	85

Source: CEPI, see ANNEX 2

INDONESIA

RECOVERED PAPER USED DOMESTICALLY FOR PAPER AND PAPERBOARD MAKING
(ALL FIGURES IN 000 METRIC TONS)

OF WHICH:

MAJOR GRADES OF PAPER AND PAPERBOARD	TOTAL USE OF RECOVERED PAPER	MIXED GRADES ¹	CORRUGATED, SOLID CONTAINER AND KRAFT SACK WASTE (OLD AND NEW) ²	OLD AND OVER-ISSUE NEWSPAPERS, MAGAZINES, ETC. ³	WOOD-FREE PRINTING AND WRITING PAPERS AND OTHER HIGH-GRADE QUALITIES ⁴
1000 METRIC TONS					
1 PAPER AND PAPERBOARD	5 322	.	.	.	.
1.1 GRAPHIC PAPERS
1.1.1 NEWSPRINT
1.1.2 OTHER GRAPHIC PAPERS
1.2 WRAPPING AND PACKAGING
1.2.1 CASE MATERIALS
1.2.2 CARTONBOARD
1.2.3 OTHER WRAPPING AND PACKAGING
1.3 HOUSEHOLD AND SANITARY PAPERS
1.4 OTHER PAPER AND PAPERBOARD, N.E.S.

Source: FAO Recovered Paper Survey 2017, see ANNEX 2

¹All other types of recovered paper, including unsorted waste and scrap²Recovered paper containing mainly unbleached sulphate pulp³Waste paper containing mainly mechanical pulp⁴Recovered paper containing mainly bleached chemical pulp

ITALY

RECOVERED PAPER USED DOMESTICALLY FOR PAPER AND PAPERBOARD MAKING
(ALL FIGURES IN 000 METRIC TONS)

OF WHICH:

MAJOR GRADES OF PAPER AND PAPERBOARD	TOTAL USE OF RECOVERED PAPER	MIXED GRADES ¹	CORRUGATED, SOLID CONTAINER AND KRAFT SACK WASTE (OLD AND NEW) ²	OLD AND OVER-ISSUE NEWSPAPERS, MAGAZINES, ETC. ³	WOOD-FREE PRINTING AND WRITING PAPERS AND OTHER HIGH-GRADE QUALITIES ⁴
1000 METRIC TONS					
1 PAPER AND PAPERBOARD	4 994	1 505	2 745	190	554
1.1 GRAPHIC PAPERS	50	0	0	0	50
1.1.1 NEWSPRINT	0	0	0	0	0
1.1.2 OTHER GRAPHIC PAPERS	50	0	0	0	50
1.2 WRAPPING AND PACKAGING	4 645	1 465	2 630	150	400
1.2.1 CASE MATERIALS	2 705	780	1 820	15	90
1.2.2 CARTONBOARD	492	174	205	34	79
1.2.3 OTHER WRAPPING AND PACKAGING	1 448	511	605	101	231
1.3 HOUSEHOLD AND SANITARY PAPERS	125	0	0	25	100
1.4 OTHER PAPER AND PAPERBOARD, N.E.S.	174	40	115	15	4

Source: CEPI, see ANNEX 2

JAPAN

RECOVERED PAPER USED DOMESTICALLY FOR PAPER AND PAPERBOARD MAKING
(ALL FIGURES IN 000 METRIC TONS)

OF WHICH:

MAJOR GRADES OF PAPER AND PAPERBOARD	TOTAL USE OF RECOVERED PAPER	MIXED GRADES ¹	CORRUGATED, SOLID CONTAINER AND KRAFT SACK WASTE (OLD AND NEW) ²	OLD AND OVER-ISSUE NEWSPAPERS, MAGAZINES, ETC. ³	WOOD-FREE PRINTING AND WRITING PAPERS AND OTHER HIGH-GRADE QUALITIES ⁴
1000 METRIC TONS					
1 PAPER AND PAPERBOARD	17 114	500	9 068	5 653	1 893
1.1 GRAPHIC PAPERS
1.1.1 NEWSPRINT
1.1.2 OTHER GRAPHIC PAPERS
1.2 WRAPPING AND PACKAGING
1.2.1 CASE MATERIALS
1.2.2 CARTONBOARD
1.2.3 OTHER WRAPPING AND PACKAGING
1.3 HOUSEHOLD AND SANITARY PAPERS
1.4 OTHER PAPER AND PAPERBOARD, N.E.S.

Source: FAO Recovered Paper Survey 2017, see ANNEX 2

¹All other types of recovered paper, including unsorted waste and scrap²Recovered paper containing mainly unbleached sulphate pulp³Waste paper containing mainly mechanical pulp⁴Recovered paper containing mainly bleached chemical pulp

MEXICO

RECOVERED PAPER USED DOMESTICALLY FOR PAPER AND PAPERBOARD MAKING
(ALL FIGURES IN 000 METRIC TONS)

OF WHICH:

MAJOR GRADES OF PAPER AND PAPERBOARD	TOTAL USE OF RECOVERED PAPER	MIXED GRADES ¹	CORRUGATED, SOLID CONTAINER AND KRAFT SACK WASTE (OLD AND NEW) ²	OLD AND OVER-ISSUE NEWSPAPERS, MAGAZINES, ETC. ³	WOOD-FREE PRINTING AND WRITING PAPERS AND OTHER HIGH-GRADE QUALITIES ⁴
1000 METRIC TONS					
1 PAPER AND PAPERBOARD	5 751	85	3 947	192	1 527
1.1 GRAPHIC PAPERS
1.1.1 NEWSPRINT
1.1.2 OTHER GRAPHIC PAPERS
1.2 WRAPPING AND PACKAGING
1.2.1 CASE MATERIALS
1.2.2 CARTONBOARD
1.2.3 OTHER WRAPPING AND PACKAGING
1.3 HOUSEHOLD AND SANITARY PAPERS
1.4 OTHER PAPER AND PAPERBOARD, N.E.S.

Source: FAO Recovered Paper Survey 2017, see ANNEX 2

THE NETHERLANDS

RECOVERED PAPER USED DOMESTICALLY FOR PAPER AND PAPERBOARD MAKING
(ALL FIGURES IN 000 METRIC TONS)

OF WHICH:

MAJOR GRADES OF PAPER AND PAPERBOARD	TOTAL USE OF RECOVERED PAPER	MIXED GRADES ¹	CORRUGATED, SOLID CONTAINER AND KRAFT SACK WASTE (OLD AND NEW) ²	OLD AND OVER-ISSUE NEWSPAPERS, MAGAZINES, ETC. ³	WOOD-FREE PRINTING AND WRITING PAPERS AND OTHER HIGH-GRADE QUALITIES ⁴
1000 METRIC TONS					
1 PAPER AND PAPERBOARD	2 634	934	1 253	306	141
1.1 GRAPHIC PAPERS	293	0	0	287	6
1.1.1 NEWSPRINT	0	0	0	0	0
1.1.2 OTHER GRAPHIC PAPERS	293	0	0	287	6
1.2 WRAPPING AND PACKAGING	2 213	891	1 253	5	64
1.2.1 CASE MATERIALS	1 367	188	1 179	0	0
1.2.2 CARTONBOARD	26	0	0	0	26
1.2.3 OTHER WRAPPING AND PACKAGING	820	703	74	5	38
1.3 HOUSEHOLD AND SANITARY PAPERS	128	43	0	14	71
1.4 OTHER PAPER AND PAPERBOARD, N.E.S.	0	0	0	0	0

Source: CEPI, see ANNEX 2

¹All other types of recovered paper, including unsorted waste and scrap²Recovered paper containing mainly unbleached sulphate pulp³Waste paper containing mainly mechanical pulp⁴Recovered paper containing mainly bleached chemical pulp

NEW ZEALAND

RECOVERED PAPER USED DOMESTICALLY FOR PAPER AND PAPERBOARD MAKING
(ALL FIGURES IN 000 METRIC TONS)

OF WHICH:

MAJOR GRADES OF PAPER AND PAPERBOARD	TOTAL USE OF RECOVERED PAPER	MIXED GRADES ¹	CORRUGATED, SOLID CONTAINER AND KRAFT SACK WASTE (OLD AND NEW) ²	OLD AND OVER-ISSUE NEWSPAPERS, MAGAZINES, ETC. ³	WOOD-FREE PRINTING AND WRITING PAPERS AND OTHER HIGH-GRADE QUALITIES ⁴
1000 METRIC TONS					
1 PAPER AND PAPERBOARD	207	0	151	56	0
1.1 GRAPHIC PAPERS	0	0	0	0	0
1.1.1 NEWSPRINT	0	0	0	0	0
1.1.2 OTHER GRAPHIC PAPERS	0	0	0	0	0
1.2 WRAPPING AND PACKAGING	0	0	0	0	0
1.2.1 CASE MATERIALS	0	0	0	0	0
1.2.2 CARTONBOARD	0	0	0	0	0
1.2.3 OTHER WRAPPING AND PACKAGING	0	0	0	0	0
1.3 HOUSEHOLD AND SANITARY PAPERS	0	0	0	0	0
1.4 OTHER PAPER AND PAPERBOARD, N.E.S.	207	0	151	56	0

Source: FAO Recovered Paper Survey 2017, see ANNEX 2

POLAND

RECOVERED PAPER USED DOMESTICALLY FOR PAPER AND PAPERBOARD MAKING
(ALL FIGURES IN 000 METRIC TONS)

OF WHICH:

MAJOR GRADES OF PAPER AND PAPERBOARD	TOTAL USE OF RECOVERED PAPER	MIXED GRADES ¹	CORRUGATED, SOLID CONTAINER AND KRAFT SACK WASTE (OLD AND NEW) ²	OLD AND OVER-ISSUE NEWSPAPERS, MAGAZINES, ETC. ³	WOOD-FREE PRINTING AND WRITING PAPERS AND OTHER HIGH-GRADE QUALITIES ⁴
1000 METRIC TONS					
1 PAPER AND PAPERBOARD	2 387	228	1 783	253	124
1.1 GRAPHIC PAPERS	163	0	0	89	74
1.1.1 NEWSPRINT	111	0	0	89	22
1.1.2 OTHER GRAPHIC PAPERS	52	0	0	0	52
1.2 WRAPPING AND PACKAGING	1 886	209	1 669	3	5
1.2.1 CASE MATERIALS	1 849	207	1 639	0	3
1.2.2 CARTONBOARD	25	0	25	0	0
1.2.3 OTHER WRAPPING AND PACKAGING	11	2	5	3	2
1.3 HOUSEHOLD AND SANITARY PAPERS	328	15	108	161	45
1.4 OTHER PAPER AND PAPERBOARD, N.E.S.	10	5	5	0	0

Source: CEPI, see ANNEX 2

¹All other types of recovered paper, including unsorted waste and scrap²Recovered paper containing mainly unbleached sulphate pulp³Waste paper containing mainly mechanical pulp⁴Recovered paper containing mainly bleached chemical pulp

PORTUGAL

RECOVERED PAPER USED DOMESTICALLY FOR PAPER AND PAPERBOARD MAKING
(ALL FIGURES IN 000 METRIC TONS)

OF WHICH:

MAJOR GRADES OF PAPER AND PAPERBOARD	TOTAL USE OF RECOVERED PAPER	MIXED GRADES ¹	CORRUGATED, SOLID CONTAINER AND KRAFT SACK WASTE (OLD AND NEW) ²	OLD AND OVER-ISSUE NEWSPAPERS, MAGAZINES, ETC. ³	WOOD-FREE PRINTING AND WRITING PAPERS AND OTHER HIGH-GRADE QUALITIES ⁴
1000 METRIC TONS					
1 PAPER AND PAPERBOARD	208	0	172	15	21
1.1 GRAPHIC PAPERS	0	0	0	0	0
1.1.1 NEWSPRINT	0	0	0	0	0
1.1.2 OTHER GRAPHIC PAPERS	0	0	0	0	0
1.2 WRAPPING AND PACKAGING	172	0	172	0	0
1.2.1 CASE MATERIALS	172	0	172	0	0
1.2.2 CARTONBOARD	0	0	0	0	0
1.2.3 OTHER WRAPPING AND PACKAGING	0	0	0	0	0
1.3 HOUSEHOLD AND SANITARY PAPERS	36	0	0	15	21
1.4 OTHER PAPER AND PAPERBOARD, N.E.S.	0	0	0	0	0

Source: CEPI, see ANNEX 2

REPUBLIC OF KOREA

RECOVERED PAPER USED DOMESTICALLY FOR PAPER AND PAPERBOARD MAKING
(ALL FIGURES IN 000 METRIC TONS)

OF WHICH:

MAJOR GRADES OF PAPER AND PAPERBOARD	TOTAL USE OF RECOVERED PAPER	MIXED GRADES ¹	CORRUGATED, SOLID CONTAINER AND KRAFT SACK WASTE (OLD AND NEW) ²	OLD AND OVER-ISSUE NEWSPAPERS, MAGAZINES, ETC. ³	WOOD-FREE PRINTING AND WRITING PAPERS AND OTHER HIGH-GRADE QUALITIES ⁴
1000 METRIC TONS					
1 PAPER AND PAPERBOARD	10 026	729	7 097	1 747	453
1.1 GRAPHIC PAPERS	1 490	0	0	1 474	16
1.1.1 NEWSPRINT	1 474	0	0	1 474	0
1.1.2 OTHER GRAPHIC PAPERS	16	0	0	0	16
1.2 WRAPPING AND PACKAGING	7 557	384	6 910	263	0
1.2.1 CASE MATERIALS	6 501	65	6 436	0	0
1.2.2 CARTONBOARD	969	306	410	253	0
1.2.3 OTHER WRAPPING AND PACKAGING	87	13	64	10	0
1.3 HOUSEHOLD AND SANITARY PAPERS	187	0	0	0	187
1.4 OTHER PAPER AND PAPERBOARD, N.E.S.	792	345	187	10	250

Source: FAO Recovered Paper Survey 2017, see ANNEX 2

¹All other types of recovered paper, including unsorted waste and scrap²Recovered paper containing mainly unbleached sulphate pulp³Waste paper containing mainly mechanical pulp⁴Recovered paper containing mainly bleached chemical pulp

ROMANIA

RECOVERED PAPER USED DOMESTICALLY FOR PAPER AND PAPERBOARD MAKING
(ALL FIGURES IN 000 METRIC TONS)

OF WHICH:

MAJOR GRADES OF PAPER AND PAPERBOARD	TOTAL USE OF RECOVERED PAPER	MIXED GRADES ¹	CORRUGATED, SOLID CONTAINER AND KRAFT SACK WASTE (OLD AND NEW) ²	OLD AND OVER-ISSUE NEWSPAPERS, MAGAZINES, ETC. ³	WOOD-FREE PRINTING AND WRITING PAPERS AND OTHER HIGH-GRADE QUALITIES ⁴
1000 METRIC TONS					
1 PAPER AND PAPERBOARD	452	18	391	30	13
1.1 GRAPHIC PAPERS	0	0	0	0	0
1.1.1 NEWSPRINT	0	0	0	0	0
1.1.2 OTHER GRAPHIC PAPERS	0	0	0	0	0
1.2 WRAPPING AND PACKAGING	409	18	391	0	0
1.2.1 CASE MATERIALS	409	18	391	0	0
1.2.2 CARTONBOARD	0	0	0	0	0
1.2.3 OTHER WRAPPING AND PACKAGING	0	0	0	0	0
1.3 HOUSEHOLD AND SANITARY PAPERS	43	0	0	30	13
1.4 OTHER PAPER AND PAPERBOARD, N.E.S.	0	0	0	0	0

Source: CEPI, see ANNEX 2

RUSSIAN FEDERATION

RECOVERED PAPER USED DOMESTICALLY FOR PAPER AND PAPERBOARD MAKING
(ALL FIGURES IN 000 METRIC TONS)

OF WHICH:

MAJOR GRADES OF PAPER AND PAPERBOARD	TOTAL USE OF RECOVERED PAPER	MIXED GRADES ¹	CORRUGATED, SOLID CONTAINER AND KRAFT SACK WASTE (OLD AND NEW) ²	OLD AND OVER-ISSUE NEWSPAPERS, MAGAZINES, ETC. ³	WOOD-FREE PRINTING AND WRITING PAPERS AND OTHER HIGH-GRADE QUALITIES ⁴
1000 METRIC TONS					
1 PAPER AND PAPERBOARD	2 800	650	1 820	130	200
1.1 GRAPHIC PAPERS	280	30	0	120	130
1.1.1 NEWSPRINT	100	0	0	100	0
1.1.2 OTHER GRAPHIC PAPERS	180	30	0	20	130
1.2 WRAPPING AND PACKAGING	2 350	450	1 820	10	70
1.2.1 CASE MATERIALS	1 700	150	1 500	0	50
1.2.2 CARTONBOARD	300	250	20	10	20
1.2.3 OTHER WRAPPING AND PACKAGING	350	50	300	0	0
1.3 HOUSEHOLD AND SANITARY PAPERS	10	10	0	0	0
1.4 OTHER PAPER AND PAPERBOARD, N.E.S.	160	160	0	0	0

Source: FAO Recovered Paper Survey 2017, see ANNEX 2

¹All other types of recovered paper, including unsorted waste and scrap²Recovered paper containing mainly unbleached sulphate pulp³Waste paper containing mainly mechanical pulp⁴Recovered paper containing mainly bleached chemical pulp

SLOVENIA

RECOVERED PAPER USED DOMESTICALLY FOR PAPER AND PAPERBOARD MAKING
(ALL FIGURES IN 000 METRIC TONS)

OF WHICH:

MAJOR GRADES OF PAPER AND PAPERBOARD	TOTAL USE OF RECOVERED PAPER	MIXED GRADES ¹	CORRUGATED, SOLID CONTAINER AND KRAFT SACK WASTE (OLD AND NEW) ²	OLD AND OVER-ISSUE NEWSPAPERS, MAGAZINES, ETC. ³	WOOD-FREE PRINTING AND WRITING PAPERS AND OTHER HIGH-GRADE QUALITIES ⁴
1000 METRIC TONS					
1 PAPER AND PAPERBOARD	377	82	34	199	61
1.1 GRAPHIC PAPERS	198	0	0	198	0
1.1.1 NEWSPRINT	171	0	0	171	0
1.1.2 OTHER GRAPHIC PAPERS	28	0	0	28	0
1.2 WRAPPING AND PACKAGING	157	77	28	0	52
1.2.1 CASE MATERIALS	0	0	0	0	0
1.2.2 CARTONBOARD	157	77	28	0	52
1.2.3 OTHER WRAPPING AND PACKAGING	0	0	0	0	0
1.3 HOUSEHOLD AND SANITARY PAPERS	14	3	3	0	8
1.4 OTHER PAPER AND PAPERBOARD, N.E.S.	7	2	3	1	2

Source: CEPI, see ANNEX 2

SOUTH AFRICA

RECOVERED PAPER USED DOMESTICALLY FOR PAPER AND PAPERBOARD MAKING
(ALL FIGURES IN 000 METRIC TONS)

OF WHICH:

MAJOR GRADES OF PAPER AND PAPERBOARD	TOTAL USE OF RECOVERED PAPER	MIXED GRADES ¹	CORRUGATED, SOLID CONTAINER AND KRAFT SACK WASTE (OLD AND NEW) ²	OLD AND OVER-ISSUE NEWSPAPERS, MAGAZINES, ETC. ³	WOOD-FREE PRINTING AND WRITING PAPERS AND OTHER HIGH-GRADE QUALITIES ⁴
1000 METRIC TONS					
1 PAPER AND PAPERBOARD	1 218	134	831	116	137
1.1 GRAPHIC PAPERS	313	60	0	116	137
1.1.1 NEWSPRINT	109	24	0	85	0
1.1.2 OTHER GRAPHIC PAPERS	204	36	0	31	137
1.2 WRAPPING AND PACKAGING	905	74	831	0	0
1.2.1 CASE MATERIALS	.	.	.	.	.
1.2.2 CARTONBOARD	.	.	.	.	.
1.2.3 OTHER WRAPPING AND PACKAGING	.	.	.	.	.
1.3 HOUSEHOLD AND SANITARY PAPERS	0	0	0	0	0
1.4 OTHER PAPER AND PAPERBOARD, N.E.S.	0	0	0	0	0

Source: FAO Recovered Paper Survey 2017, see ANNEX 2

¹All other types of recovered paper, including unsorted waste and scrap²Recovered paper containing mainly unbleached sulphate pulp³Waste paper containing mainly mechanical pulp⁴Recovered paper containing mainly bleached chemical pulp

SPAIN

RECOVERED PAPER USED DOMESTICALLY FOR PAPER AND PAPERBOARD MAKING
(ALL FIGURES IN 000 METRIC TONS)

OF WHICH:

MAJOR GRADES OF PAPER AND PAPERBOARD	TOTAL USE OF RECOVERED PAPER	MIXED GRADES ¹	CORRUGATED, SOLID CONTAINER AND KRAFT SACK WASTE (OLD AND NEW) ²	OLD AND OVER-ISSUE NEWSPAPERS, MAGAZINES, ETC. ³	WOOD-FREE PRINTING AND WRITING PAPERS AND OTHER HIGH-GRADE QUALITIES ⁴
1000 METRIC TONS					
1 PAPER AND PAPERBOARD	5 020	466	3 383	727	444
1.1 GRAPHIC PAPERS	570	6	0	532	32
1.1.1 NEWSPRINT	570	6	0	532	32
1.1.2 OTHER GRAPHIC PAPERS	0	0	0	0	0
1.2 WRAPPING AND PACKAGING	4 036	437	3 197	115	287
1.2.1 CASE MATERIALS	3 367	258	2 966	1	142
1.2.2 CARTONBOARD	308	76	77	55	100
1.2.3 OTHER WRAPPING AND PACKAGING	361	102	154	59	45
1.3 HOUSEHOLD AND SANITARY PAPERS	199	10	10	80	99
1.4 OTHER PAPER AND PAPERBOARD, N.E.S.	215	13	176	0	26

Source: CEPI, see ANNEX 2

SWEDEN

RECOVERED PAPER USED DOMESTICALLY FOR PAPER AND PAPERBOARD MAKING
(ALL FIGURES IN 000 METRIC TONS)

OF WHICH:

MAJOR GRADES OF PAPER AND PAPERBOARD	TOTAL USE OF RECOVERED PAPER	MIXED GRADES ¹	CORRUGATED, SOLID CONTAINER AND KRAFT SACK WASTE (OLD AND NEW) ²	OLD AND OVER-ISSUE NEWSPAPERS, MAGAZINES, ETC. ³	WOOD-FREE PRINTING AND WRITING PAPERS AND OTHER HIGH-GRADE QUALITIES ⁴
1000 METRIC TONS					
1 PAPER AND PAPERBOARD	1 155	186	532	335	102
1.1 GRAPHIC PAPERS	242	0	0	242	0
1.1.1 NEWSPRINT	242	0	0	242	0
1.1.2 OTHER GRAPHIC PAPERS	0	0	0	0	0
1.2 WRAPPING AND PACKAGING	701	169	527	0	5
1.2.1 CASE MATERIALS	518	2	511	0	5
1.2.2 CARTONBOARD	183	167	16	0	0
1.2.3 OTHER WRAPPING AND PACKAGING	0	0	0	0	0
1.3 HOUSEHOLD AND SANITARY PAPERS	212	17	5	94	97
1.4 OTHER PAPER AND PAPERBOARD, N.E.S.	0	0	0	0	0

Source: CEPI, see ANNEX 2

¹All other types of recovered paper, including unsorted waste and scrap²Recovered paper containing mainly unbleached sulphate pulp³Waste paper containing mainly mechanical pulp⁴Recovered paper containing mainly bleached chemical pulp

SWITZERLAND

RECOVERED PAPER USED DOMESTICALLY FOR PAPER AND PAPERBOARD MAKING
(ALL FIGURES IN 000 METRIC TONS)

OF WHICH:

MAJOR GRADES OF PAPER AND PAPERBOARD	TOTAL USE OF RECOVERED PAPER	MIXED GRADES ¹	CORRUGATED, SOLID CONTAINER AND KRAFT SACK WASTE (OLD AND NEW) ²	OLD AND OVER-ISSUE NEWSPAPERS, MAGAZINES, ETC. ³	WOOD-FREE PRINTING AND WRITING PAPERS AND OTHER HIGH-GRADE QUALITIES ⁴
1000 METRIC TONS					
1 PAPER AND PAPERBOARD	1 177	270	219	688	0
1.1 GRAPHIC PAPERS	700	21	0	679	0
1.1.1 NEWSPRINT	679	0	0	679	0
1.1.2 OTHER GRAPHIC PAPERS	21	21	0	0	0
1.2 WRAPPING AND PACKAGING	406	187	219	0	0
1.2.1 CASE MATERIALS	0	0	0	0	0
1.2.2 CARTONBOARD	406	187	219	0	0
1.2.3 OTHER WRAPPING AND PACKAGING	0	0	0	0	0
1.3 HOUSEHOLD AND SANITARY PAPERS	62	62	0	0	0
1.4 OTHER PAPER AND PAPERBOARD, N.E.S.	9	0	0	9	0

Source: CEPI, see ANNEX 2

THAILAND

RECOVERED PAPER USED DOMESTICALLY FOR PAPER AND PAPERBOARD MAKING
(ALL FIGURES IN 000 METRIC TONS)

OF WHICH:

MAJOR GRADES OF PAPER AND PAPERBOARD	TOTAL USE OF RECOVERED PAPER	MIXED GRADES ¹	CORRUGATED, SOLID CONTAINER AND KRAFT SACK WASTE (OLD AND NEW) ²	OLD AND OVER-ISSUE NEWSPAPERS, MAGAZINES, ETC. ³	WOOD-FREE PRINTING AND WRITING PAPERS AND OTHER HIGH-GRADE QUALITIES ⁴
1000 METRIC TONS					
1 PAPER AND PAPERBOARD	4 168	621	3 084	459	4
1.1 GRAPHIC PAPERS	842	.	.	.	.
1.1.1 NEWSPRINT	128	.	.	.	.
1.1.2 OTHER GRAPHIC PAPERS	714	.	.	.	.
1.2 WRAPPING AND PACKAGING	3 260	.	.	.	.
1.2.1 CASE MATERIALS	.	.	.	.	.
1.2.2 CARTONBOARD	.	.	.	.	.
1.2.3 OTHER WRAPPING AND PACKAGING	.	.	.	.	.
1.3 HOUSEHOLD AND SANITARY PAPERS	66	.	.	.	.
1.4 OTHER PAPER AND PAPERBOARD, N.E.S.	0	.	.	.	.

Source: FAO Recovered Paper Survey 2017, see ANNEX 2

¹All other types of recovered paper, including unsorted waste and scrap²Recovered paper containing mainly unbleached sulphate pulp³Waste paper containing mainly mechanical pulp⁴Recovered paper containing mainly bleached chemical pulp

UKRAINE

RECOVERED PAPER USED DOMESTICALLY FOR PAPER AND PAPERBOARD MAKING
(ALL FIGURES IN 000 METRIC TONS)

OF WHICH:

MAJOR GRADES OF PAPER AND PAPERBOARD	TOTAL USE OF RECOVERED PAPER	MIXED GRADES ¹	CORRUGATED, SOLID CONTAINER AND KRAFT SACK WASTE (OLD AND NEW) ²	OLD AND OVER-ISSUE NEWSPAPERS, MAGAZINES, ETC. ³	WOOD-FREE PRINTING AND WRITING PAPERS AND OTHER HIGH-GRADE QUALITIES ⁴
1000 METRIC TONS					
1 PAPER AND PAPERBOARD	1 060	10	821	146	83
1.1 GRAPHIC PAPERS	11	0	0	0	11
1.1.1 NEWSPRINT	1	0	0	0	1
1.1.2 OTHER GRAPHIC PAPERS	10	0	0	0	10
1.2 WRAPPING AND PACKAGING	809	10	648	146	5
1.2.1 CASE MATERIALS	665	10	532	123	0
1.2.2 CARTONBOARD	118	0	95	23	0
1.2.3 OTHER WRAPPING AND PACKAGING	26	0	21	0	5
1.3 HOUSEHOLD AND SANITARY PAPERS	143	0	95	0	48
1.4 OTHER PAPER AND PAPERBOARD, N.E.S.	97	0	78	0	19

Source: FAO Recovered Paper Survey 2017, see ANNEX 2

UNITED KINGDOM

RECOVERED PAPER USED DOMESTICALLY FOR PAPER AND PAPERBOARD MAKING
(ALL FIGURES IN 000 METRIC TONS)

OF WHICH:

MAJOR GRADES OF PAPER AND PAPERBOARD	TOTAL USE OF RECOVERED PAPER	MIXED GRADES ¹	CORRUGATED, SOLID CONTAINER AND KRAFT SACK WASTE (OLD AND NEW) ²	OLD AND OVER-ISSUE NEWSPAPERS, MAGAZINES, ETC. ³	WOOD-FREE PRINTING AND WRITING PAPERS AND OTHER HIGH-GRADE QUALITIES ⁴
1000 METRIC TONS					
1 PAPER AND PAPERBOARD	3 147	429	1 483	768	467
1.1 GRAPHIC PAPERS	714	0	0	714	0
1.1.1 NEWSPRINT	714	0	0	714	0
1.1.2 OTHER GRAPHIC PAPERS	0	0	0	0	0
1.2 WRAPPING AND PACKAGING	1 868	377	1 359	50	82
1.2.1 CASE MATERIALS	1 698	338	1 268	15	78
1.2.2 CARTONBOARD	0	0	0	0	0
1.2.3 OTHER WRAPPING AND PACKAGING	170	40	91	35	4
1.3 HOUSEHOLD AND SANITARY PAPERS	376	10	2	2	362
1.4 OTHER PAPER AND PAPERBOARD, N.E.S.	188	42	121	2	23

Source: CEPI, see ANNEX 2

¹All other types of recovered paper, including unsorted waste and scrap²Recovered paper containing mainly unbleached sulphate pulp³Waste paper containing mainly mechanical pulp⁴Recovered paper containing mainly bleached chemical pulp

UNITED STATES OF AMERICA

RECOVERED PAPER USED DOMESTICALLY FOR PAPER AND PAPERBOARD MAKING
(ALL FIGURES IN 000 METRIC TONS)

OF WHICH:

MAJOR GRADES OF PAPER AND PAPERBOARD	TOTAL USE OF RECOVERED PAPER	MIXED GRADES ¹	CORRUGATED, SOLID CONTAINER AND KRAFT SACK WASTE (OLD AND NEW) ²	OLD AND OVER-ISSUE NEWSPAPERS, MAGAZINES, ETC. ³	WOOD-FREE PRINTING AND WRITING PAPERS AND OTHER HIGH-GRADE QUALITIES ⁴
1000 METRIC TONS					
1 PAPER AND PAPERBOARD	28 273	3 378	19 947	1 128	3 820
1.1 GRAPHIC PAPERS	872	85	0	82	705
1.1.1 NEWSPRINT	78	6	0	72	0
1.1.2 OTHER GRAPHIC PAPERS	794	79	0	10	705
1.2 WRAPPING AND PACKAGING	23 023	2 562	19 285	586	590
1.2.1 CASE MATERIALS	16 617	1 193	15 294	0	130
1.2.2 CARTONBOARD	5 533	1 356	3 270	520	387
1.2.3 OTHER WRAPPING AND PACKAGING	873	13	721	66	73
1.3 HOUSEHOLD AND SANITARY PAPERS	3 817	639	288	369	2 520
1.4 OTHER PAPER AND PAPERBOARD, N.E.S.	562	93	373	91	5

Source: FAO Recovered Paper Survey 2017, see ANNEX 2

¹All other types of recovered paper, including unsorted waste and scrap²Recovered paper containing mainly unbleached sulphate pulp³Waste paper containing mainly mechanical pulp⁴Recovered paper containing mainly bleached chemical pulp

ANNEX 1: DEFINITIONS

RECOVERED PAPER

Waste and scraps of paper or paperboard that have been collected for re-use or trade. It includes: paper and paperboard that has been used for its original purpose and residues from paper and paperboard production.

COMPOSITION OF RECOVERED PAPER shows what are the major grades of paper entering in the flow of recovered paper:

- MIXED GRADES, all other types of recovered paper, including unsorted waste and scrap
- CORRUGATED, SOLID CONTAINER AND KRAFT SACK WASTE (OLD AND NEW), i.e. recovered paper containing mainly unbleached sulphate pulp
- OLD AND OVER-ISSUE NEWSPAPERS, MAGAZINES, ETC., i.e. waste paper containing mainly mechanical pulp
- WOOD-FREE PRINTING AND WRITING PAPERS AND OTHER HIGH-GRADE QUALITIES, i.e. recovered paper containing mainly bleached chemical pulp

USE OF RECOVERED PAPER BY GRADE shows what amount of recovered paper is used in the production of various paper and paperboard grades:

1. PAPER AND PAPERBOARD

1.1 GRAPHIC PAPERS

The graphic papers category is an aggregate category. In the production and trade statistics, it represents the sum of newsprint; uncoated mechanical; uncoated woodfree and coated papers. Products in this category are generally manufactured in strips or rolls of a width exceeding 15 cm or in rectangular sheets with one side exceeding 36 cm and the other exceeding 15 cm in the unfolded state. It excludes manufactured paper products such as books and magazines, etc. It is reported in metric tonnes.

1.1.1 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. Products in this category are generally manufactured in strips or rolls of a width exceeding 36 cm or in rectangular sheets with one side exceeding 36 cm and the other exceeding 15 cm in the unfolded state. Weights usually range from 40 to 52 g/m² but can be as high as 65 g/m². Newsprint is machine finished or slightly calendered, white or slightly coloured and is used in reels for letterpress, offset or flexo printing. It is reported in metric tonnes.

1.1.2 OTHER GRAPHIC PAPERS (UNCOATED MECHANICAL + UNCOATED WOODFREE + COATED PAPERS)

Paper, except newsprint, suitable for printing, writing or other graphic purposes, made from a variety of pulp blends and with various finishes. It may be uncoated and have been subjected to sizing, calendering, supercalendering, glazing, water-marking or similar simple processes, or it may be coated on one or both sides with coating material such as barium sulphate, clay (beneficiated kaolin), gypsum or zinc oxide, often supplemented with supercalendering, etc.

INCLUDE: Such papers as: bank note, bible or imitation bible, book and magazine, box lining and covering, bristols, calculator papers, computer paper, duplicating, envelope stock, folder stock, label, lithograph, manifold, offset, onionskin, photographic base paper, poster, stationery, tablet or block, tabulating card stock, typewriter.

1.2 WRAPPING AND PACKAGING

Paper or paperboard mainly used for wrapping and packaging purposes. Products in this category are generally manufactured in strips or rolls of a width exceeding 36 cm or in rectangular sheets with one side exceeding 36 cm and the other exceeding 15 cm in the unfolded state. It excludes unbleached kraft paper and paperboard that are not sack kraft paper or Kraftliner and weighing more than 150 g/m² but less than 225 g/m²; felt paper and paperboard; tracing papers; not further processed uncoated paper weighing 225 g/m² or more. It is reported in metric tonnes.

1.2.1 CASE MATERIALS

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. It includes kraftliner, testliner, semi-chemical fluting, and waste-based fluting (Wellenstoff). It is reported in metric tonnes.

1.2.2 CARTONBOARD

Sometimes referred to as folding boxboard, it may be single- or multi-ply, 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 and for liquid containers. It includes paper and paperboard covered or coated with plastics (excluding adhesives) and coated multi-ply. It is reported in metric tonnes.

1.2.3 OTHER WRAPPING AND PACKAGING

Wrappings (up to 150 g/m²): 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. It includes sack kraft, other wrapping krafts, sulphite and greaseproof papers as well as coated paper and paperboard not uniformly bleached throughout the mass, except multi-ply. It excludes: tracing papers. It is reported in metric tonnes.

Other packaging embraces all papers and boards 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. It is reported in metric tonnes.

1.3 HOUSEHOLD AND SANITARY PAPERS

This covers the stock of a wide range of tissue and other hygienic papers for use in households or commercial and industrial premises. Products in this category are generally manufactured in strips or rolls of a width exceeding 36 cm or in rectangular sheets with one side exceeding 36 cm and the other exceeding 15 cm in the unfolded state. Examples are toilet paper and facial tissues, kitchen towels, hand towels and industrial wipes. Some tissue is also used in the manufacture of baby napkins, sanitary towels, etc.

The parent reel stock is made from virgin pulp or recovered fibre or mixtures of these. It is reported in metric tonnes.

1.4 OTHER PAPER AND PAPERBOARD, N.|E.S. (NOT ELSEWHERE SPACIFIED)

Other papers and boards for industrial and special purposes. It includes cigarette papers and stock of filter papers, as well as gypsum liners and special papers for insulating, roofing, and other specific applications or treatments; wallpaper base; unbleached kraft paper and paperboard that are not sack kraft paper or Kraftliner and weighing more than 150 g/m² but less than 225 g/m²; felt paper and paperboard; tracing papers; not further processed uncoated paper weighing 225 g/m² or more; and raw copying and transfer papers, in rolls or sheets except carbon or self-copy paper. It excludes all composite, not coated, paper and paper board of flat layers stuck together; coated paper and paperboard not uniformly bleached throughout the mass; and paper and paperboard covered or coated with plastics (excluding adhesives). It is reported in metric tonnes.

ANNEX 2: CORRESPONDENTS

Australia

Beau Hug
Director
Forest Economics
Australian Bureau of Agricultural and
Resource Economics and Sciences (ABARES)
GPO Box 858
Canberra ACT 2601
Web site: www.agriculture.gov.au/abares

Brazil

Natália Canova
Brazilian Tree Industry (Ibá) association
Rua Olimpíadas, 66 - 9º andar
Vila Olímpia
04551-000 - São Paulo
Web site: www.iba.org

Canada

Angela Welte
Manager, Member Services & Economics
Pulp and Paper Products Council
1200, McGill College Avenue, Suite 1000
Montréal, QC H3B 4G7
Web site: www.pppc.org

Chile

María Teresa Arana
Gerente General
Corporación Chilena de la Madera
CORMA
Agustinas 1357 Piso 3
Santiago
Web site: www.corma.cl

China

QianYi
Vice secretary-general
China Paper Association
22bB Fu Wai Street
Beijing 100833
Web site: www.chinappi.org

Indonesia

Aryan Warga Dalam
Chairman of Indonesian Pulp and Paper
Association (APKI)
Jalan Cimandiri No. 6
10330 Jakarta
Web site: www.apki.net

Japan

Tomoaki Kimura
Chief
General Affairs and Public Relations Division
Japan Paper Association
Kami-Parupu Kaikan, 9-11
Ginza 3-Chome, Chuo-Ku
Tokyo, 104-8139
Web site: www.jpaa.gr.jp

Mexico

Pedro Silva Rodríguez
Director General
Cámara Nacional de las Industrias
de la Celulosa y del Papel
Jaime Balmes N°11, Edificio B 6to. piso
Col. Los Morales
C.P. 11510, México D.F.
Web site: www.camaradelpapel.com.mx

New Zealand

Stephen Murray
Ministry for Primary Industries
PO Box 2526
Wellington 6140
Web site: www.mpi.govt.nz

Republic of Korea

Lee Sang Hun
Chairman
Korea Paper Association
505, Sinsa-dong, Gangnam-gu,
Seoul
Web site: www.paper.or.kr

Russian Federation

Yury Lakhtikov
Chairman and CEO
RAO "Bumprom"
Philippovsky lane 9 room 23
119019, Moscow, Central District
Web site: www.bumprom.ru

South Africa

Jane Molony
Executive Director
Paper Manufacturers' Association
of South Africa (PAMSA)
PO Box 1553
Rivonia Johannesburg 2128 Gauteng
Web site: www.thepaperstory.co.za

Switzerland

Valentina Cefalà
Swiss Pulp, Paper and Cartonboard Industry
Association
Postfach, Bergstrasse 110
8032 Zürich
Web site: www.zpk.ch

Thailand

Pornchai Vittayakoonsakulchai
President
The Thai Pulp and Paper Industries
Association (TPPIA)
Bld.4, 6th Floor
1 Siam Cement Road
Bangsue Bangkok 10800

Ukraine

Eduard Litvak
Executive Director
Association of Ukrainian Enterprises of Pulp &
Paper Industry «UKRPAPIR»
Web site: www.ukrpapir.org

United States of America

Sundar Mahadevan
Director, Statistics and Policy Research
American Forest and Paper Association
1101 K Street, NW, Suite 700
Washington, D.C. 20005
Web site: www.afandpa.org

**Austria, Czechia, Finland and Norway, France,
Germany, Italy, Netherlands, Poland, Portugal,
Romania, Slovenia, Sweden, United Kingdom**

Ariane Crèvecoeur,
Statistics Officer
Bernard Lombard,
Trade and Industrial Policy Director

Confederation of European Paper Industries
(CEPI)
Avenue Louise 250 | Box 80 | B-1050 Brussels
Website: www.cepi.org | www.paperonline.org

This publication presents results of a statistical survey on recovered paper utilization by country and by paper sector. Survey results from correspondents and data from the Confederation of European Paper Industries (CEPI) are complemented with global data on collection, consumption and trade of recovered paper derived from other sources.



ISBN 978-92-5-131313-8



9 789251 313138

CA2839EN/1/01.19