

## Consolidated performance data

### Financial performance

€ millions unless otherwise stated	2014	2015	2016	2017 Restated <sup>1</sup>	2018
Group revenue	6,402	6,819	6,662	7,096	<b>7,481</b>
Underlying EBITDA	1,126	1,325	1,366	1,482	<b>1,764</b>
Underlying operating profit	767	957	981	1,029	<b>1,318</b>
Operating profit	728	900	943	968	<b>1,192</b>
Basic underlying earnings per share (EPS) (euro cents)	107.3	133.7	137.8	148.9	<b>189.1</b>
Basic EPS (euro cents)	97.4	124.0	131.8	137.9	<b>170.1</b>
Capital expenditure cash outflows	(562)	(595)	(465)	(611)	<b>(709)</b>
Net debt	1,613	1,498	1,383	1,532	<b>2,220</b>
ROCE (%)	17.2	20.5	20.3	19.3	<b>23.6</b>

<sup>1</sup> The Group adopted the new 'Leases' accounting standard (IFRS 16) for the financial year beginning on 1 January 2018. All 2017 comparative figures have been restated where applicable

### People and communities

#### Gender diversity 2018

	Male	%	Female	%
Directors	6	75	2	25
Senior managers	283	92	26	8
Employees	20,708	79	5,468	21

#### Management by origin 2018

	number
Hungary	2
France	3
Czech Republic	5
Slovakia	8
United Kingdom	10
Russian Federation	15
Italy	15
Turkey	17
Poland	28
South Africa	42
Austria	65
Other nationalities	149

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	2014	2015	2016	2017	2018
Employee and contractor training hours	871,000	827,000	790,000	829,900	<b>819,200</b>

**Coverage of safety in training hours in 2018**

	%
Safety-focused training	<b>40</b>
Other training	<b>60</b>

**Safety**

Number of work-related fatalities	2014	2015	2016	2017	2018
Employees	0	1	0	2 <sup>2</sup>	<b>0</b>
Contractors	0	0	0	1	<b>1</b>

TRCR (per 200,000 hours worked) <sup>3</sup>	2014	2015	2016	2017	2018
	0.83	0.76	0.69	0.68	<b>0.68</b>

2 2017 figure restated to include a confirmed fatality of a missing person in Syktyvkar

3 2015–2017 restated to include acquisitions, and 2017 includes a confirmed fatality of a missing person in Syktyvkar

**Communities**

Community and social investments <sup>4</sup> ('000 €)	2014	2015	2016	2017	2018
Health and wellbeing	85	172	653	1,959	<b>2,079</b>
Education	2,078	1,775	565	731	<b>724</b>
Infrastructure and development	4,996	5,044	6,425	6,509	<b>4,697</b>
Enterprise and employment support			254	432	<b>431</b>
<b>Total<sup>5</sup></b>	<b>7,159</b>	<b>6,991</b>	<b>7,897</b>	<b>9,631</b>	<b>7,931</b>

4 In 2016, we restructured and revised our investment categories. Our new 'Health and wellbeing' and 'Education' categories correspond to equivalent previous categories and therefore their historic data were not restated. Our new 'Infrastructure and development' combines the previous categories 'Environment', 'Community development', 'Arts, culture and heritage', 'Housing' and 'Other', and will be a wider, more comprehensive category going forward. Our new 'Enterprise and employment support' category will not include any historic data, but investments in support of employment and enterprise have effectively been part of the scope in past years, even if it is not formally reflected as an individual category

5 Changes in investment levels over the years do not necessarily represent a change in investment strategy. They are sometimes reflective of the commencement or closure of projects. Most initiatives run over several years and require different levels of investment for each development phase

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## Forests and fibre procurement

Forestry data 2018	Russia	South Africa	Total
Total area of land (ha)	2,116,699	254,328	<b>2,371,027</b>
Proportion of land set aside for conservation (%)	24	27	<b>24</b>
Number of seedlings planted	3,200,000	24,897,933	<b>28,097,933</b>
Wood self-sufficiency potential (%)			<b>46.6</b>

Fibre use	2014	2015	2016	2017	2018
Wood (internal and external) (million m <sup>3</sup> )	16.3	16.4	16.6	16.9	<b>17.4</b>
Pulp (externally procured) (million tonnes)	0.4	0.3	0.4	0.3	<b>0.3</b>
Paper for recycling (million tonnes)	1.5	1.4	1.3	1.3	<b>1.3</b>

Fibre procured from FSC- or PEFC-certified sources 2018 (%)	FSC	PEFC	Total
Wood	49	22	<b>71</b>
Pulp (procured externally)	85	9	<b>94</b>

Certified wood procured (%)	2014	2015	2016	2017	2018
FSC	46	45	46	50	<b>49</b>
PEFC	20	21	21	21	<b>22</b>
<b>Total</b>	<b>66</b>	<b>66</b>	<b>67</b>	<b>71</b>	<b>71</b>

## Energy and climate

CO <sub>2</sub> e emissions from our pulp and paper mills (tonnes)	Scope 1	Scope 2	Total CO <sub>2</sub> e
2014	4,308,655	998,807	5,307,462
2015	4,477,666	777,329	5,254,995
2016	4,067,788	671,247	4,739,035
2017	3,777,282	691,649	4,468,931
<b>2018</b>	<b>3,805,696</b>	<b>583,031</b>	<b>4,388,727</b>
CO <sub>2</sub> e emissions from Powerflute	97,271	20,388	117,659

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Specific CO <sub>2</sub> e emissions from our pulp and paper mills (tonnes per tonne of saleable production)	Scope 1	Scope 2	Specific total (Scope 1 and 2) CO <sub>2</sub> e
2014	0.68	0.16	0.83
2015	0.71	0.12	0.83
2016	0.65	0.11	0.76
2017	0.61	0.11	0.72
<b>2018</b>	<b>0.63</b>	<b>0.10</b>	<b>0.72<sup>6</sup></b>

6 Progress against 2030 commitment is calculated based on excluding Raubling mill from 2014 as per 0.844 (2014) and 0.722 (2018)

GHG emissions from our pulp and paper mills, by country 2018 (tonnes)	Tonnes
Russia	2,065,885
South Africa	1,018,664
Czech Republic	427,945
Poland	229,512
Austria	218,720
Slovakia	127,966
Bulgaria	100,006
Sweden	82,437
Turkey	81,454
US	36,137
<b>Pulp and paper mills total</b>	<b>4,388,727</b>
Finland (Powerflute)	117,659

Electricity self-sufficiency of our pulp and paper mills (%)	2014	2015	2016	2017	2018
Own electricity produced	95.4	100.9	97.9	95.6	<b>100.2</b>
Electricity purchased	30.1	27.9	25.2	20.9	<b>17.5</b>
Electricity sold	25.5	28.7	23.1	16.5	<b>17.7</b>

Fuel consumption for our pulp and paper mills (million GJ)	2014	2015	2016	2017	2018
Produced from our own biomass	81.7	83.3	87.2	87.8	<b>84.3</b>
Purchased fuel	71.5	75.6	71.2	68.6	<b>70.3</b>

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	2014	2015	2016	2017	2018
<b>Energy use, pulp and paper mills (GJ)</b>					
Electricity purchased	7,580,154	6,930,935	6,277,050	5,217,232	<b>4,250,850</b>
Own biomass	81,697,138	83,286,981	87,193,849	87,791,377	<b>84,334,769</b>
Purchased biomass	7,947,595	10,204,981	12,613,917	13,690,293	<b>14,258,347</b>
Fossil fuels consumed	63,535,990	65,348,140	58,616,253	54,887,101	<b>55,999,985</b>
Heat purchased	84,752	63,558	16,206	63,996	<b>83,545</b>
Energy sales	12,842,350	13,143,550	11,609,519	10,081,724	<b>10,198,309</b>
<b>Total energy use</b>	<b>148,003,278</b>	<b>152,691,044</b>	<b>153,107,757</b>	<b>151,568,275</b>	<b>148,729,187</b>
Powerflute electricity purchased					<b>277,981</b>
Powerflute biomass consumed					<b>1,756,942</b>
Powerflute fossil fuels consumed					<b>990,110</b>
Powerflute energy sales					<b>1,256</b>
<b>Energy use, converting operations (GJ)</b>					
Electricity purchased	1,657,052	1,786,181	1,881,472	1,965,292	<b>1,948,379</b>
Fossil fuels consumed	1,916,421	2,037,447	2,168,157	2,287,791	<b>2,278,825</b>
Heat purchased	170,687	183,093	187,220	174,977	<b>182,561</b>
<b>Total energy use</b>	<b>3,744,160</b>	<b>4,006,722</b>	<b>4,236,850</b>	<b>4,428,060</b>	<b>4,409,764</b>
<b>Scope 3 emissions (tonnes)</b>					
Fuel and energy-related activities (not included in Scope 1 or 2)	435,000	439,291	399,966	385,613	<b>589,834</b>
Purchased goods and services	1,499,524	1,663,253	1,826,793	1,867,405	<b>1,853,798</b>
Employee commuting	48,705	47,177	48,514	49,469	<b>49,851</b>
Upstream transportation and distribution	421,137	471,914	435,692	447,613	<b>483,037</b>
Downstream transportation and distribution	263,869	260,980	260,035	259,998	<b>253,453</b>
Business travel	3,936	4,134	4,303	3,904	<b>11,007</b>
<b>Total</b>	<b>2,672,171</b>	<b>2,886,749</b>	<b>2,975,303</b>	<b>3,014,002</b>	<b>3,240,979</b>

## Consolidated performance data

## Water, air and waste

## Water

Water input (m <sup>3</sup> )	2014	2015	2016	2017	2018
<b>Total water input (m<sup>3</sup>)</b>	<b>323,647,294</b>	<b>308,530,242</b>	<b>309,031,879</b>	<b>307,071,545</b>	<b>303,459,107</b>
<b>Potable water input</b>	<b>29,451,135</b>	<b>25,997,450</b>	<b>23,315,191</b>	<b>22,620,731</b>	<b>24,332,544</b>
<b>Non-potable water</b>	<b>294,196,159</b>	<b>282,532,792</b>	<b>285,716,688</b>	<b>284,450,814</b>	<b>279,126,563</b>
Second-class water	10,065,008	10,534,946	11,217,052	11,928,377	<b>9,290,059</b>
Surface water	263,893,523	246,398,245	249,275,693	246,973,299	<b>247,081,374</b>
Ground water	20,237,628	25,599,600	25,223,943	25,549,137	<b>22,755,130</b>
Waste water from third parties and other Mondi operations	<b>39,919,055</b>	<b>38,249,896</b>	<b>38,229,853</b>	<b>38,669,589</b>	<b>36,288,548</b>
Powerflute total water input					<b>10,770,785</b>

Total water input (%)	2014	2015	2016	2017	2018
Non-potable water	91	92	92	93	<b>92</b>
Potable water	9	8	8	7	<b>8</b>

Emissions to water (tonnes)	2014	2015	2016	2017	2018
Emissions to water, COD (tonnes)	44,901	46,043	43,879	42,711	<b>48,349</b>
Emissions to water, AOX (tonnes)	150	147	155	170	<b>150</b>
Emissions to water, TSS (tonnes)	10,678	9,450	9,503	7,259	<b>11,417</b>
Powerflute emissions to water, COD (tonnes)					<b>1,771</b>
Powerflute emissions to water, AOX (tonnes)					<b>0</b>
Powerflute emissions to water, TSS (tonnes)					<b>66</b>

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<b>Effluent (water discharges) (m³)</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>
Water discharge via on-site or off-site treatment	230,690,929	238,401,299	235,945,906	231,652,362	<b>228,523,805</b>
Effluent direct to surface water without treatment	97,652,438	77,880,033	83,381,085	88,590,582	<b>85,031,235</b>
Effluent to irrigate land	6,637	52,236	51,367	50,645	<b>54,660</b>
Effluent sent to third parties for recycling or reuse of water	0	0	738,358	7,747,028	<b>1,634,045</b>
<b>Total water output</b>	<b>328,350,004</b>	<b>316,333,567</b>	<b>320,116,716</b>	<b>328,040,616</b>	<b>315,243,745</b>
Waste water from third parties and other Mondi operations	39,919,055	38,249,896	38,229,853	38,669,589	<b>36,288,548</b>
<b>Total water output (excluding third parties)</b>	<b>288,430,949</b>	<b>278,083,672</b>	<b>281,886,862</b>	<b>289,371,027</b>	<b>278,955,197</b>
Water discharged to ocean/sea	25,361,672	23,753,340	22,631,496	21,429,777	<b>22,095,268</b>
Water discharged to rivers	302,988,331	292,580,228	297,485,220	306,610,839	<b>293,148,477</b>
Powerflute total water output					<b>10,836,950</b>

<b>Contact and non-contact water use (m³)</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>
Non-contact water	105,153,432	85,388,509	91,897,722	98,448,861	<b>97,438,070</b>
Contact water	205,733,272	209,551,234	206,763,090	205,435,261	<b>202,783,297</b>

**Air**

<b>Air emissions (tonnes)</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>
Total NOx emissions from processes	11,705	12,468	11,591	11,048	<b>10,398</b>
TRS from processes	67	71	52	56	<b>55</b>
Total particulate emissions	1,570	1,500	963	921	<b>1,023</b>
Total SO <sub>2</sub> emissions from processes	5,107	5,604	1,985	1,447	<b>1,567</b>
Powerflute total NOx emissions from processes					<b>515</b>
Powerflute TRS from processes					<b>3</b>
Powerflute total particulate emissions					<b>115</b>
Powerflute total SO <sub>2</sub> emissions from processes					<b>106</b>

<b>Emission of ozone-depleting substances (kg)</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>
HFC	4,146	6,383	6,262	4,289	<b>10,101</b>
HCFC	999	995	628	1,420	<b>740</b>
CFC	2	2	0	1	<b>0</b>
Halons	0	0	0	0	<b>0</b>
PFC	0	0	0	0	<b>0</b>
<b>Total loss of ozone-depleting substances</b>	<b>5,147</b>	<b>7,379</b>	<b>6,890</b>	<b>5,710</b>	<b>10,841</b>

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## Waste

Waste to landfill (tonnes)	2014	2015	2016	2017	2018
Non-hazardous waste landfilled	260,697	229,253	205,251	191,462	231,261
Hazardous waste landfilled	1,671	814	1,230	455	1,054
<b>Total waste to landfill</b>	<b>262,368</b>	<b>230,068</b>	<b>206,481</b>	<b>191,917</b>	<b>232,315</b>

Hazardous waste (tonnes)	2014	2015	2016	2017	2018
Hazardous waste treated	8,387	8,059	9,273	11,445	11,061
Hazardous waste incinerated	2,467	2,668	3,473	3,593	5,683
Hazardous waste recycled/reused	3,102	2,539	2,829	2,298	3,854
Hazardous waste landfilled	1,671	814	1,230	455	1,054
<b>Total hazardous waste</b>	<b>15,627</b>	<b>14,081</b>	<b>16,806</b>	<b>17,792</b>	<b>21,653</b>
Powerflute total hazardous waste					38

Non-hazardous waste (tonnes)	2014	2015	2016	2017	2018
Non-hazardous waste treated	2,454	1,948	2,949	7,247	7,007
Non-hazardous waste incinerated	90,994	85,039	61,346	49,400	52,447
Non-hazardous waste recycled/reused	699,304	735,083	831,846	846,862	825,364
Non-hazardous waste landfilled	260,697	229,253	205,251	191,462	231,261
<b>Total non-hazardous waste</b>	<b>1,053,449</b>	<b>1,051,323</b>	<b>1,101,392</b>	<b>1,094,972</b>	<b>1,116,080</b>
Powerflute total non-hazardous waste					39,424

Total debris (tonnes)	2014	2015	2016	2017	2018
Non-hazardous debris	9,600	20,488	22,102	57,911	74,928
Hazardous debris	1,205	14	0	91	153
<b>Total debris</b>	<b>10,805</b>	<b>20,503</b>	<b>22,102</b>	<b>58,002</b>	<b>75,081</b>

Total solid waste (tonnes)	2014	2015	2016	2017	2018
	1,079,881	1,085,907	1,140,299	1,170,765	1,212,814