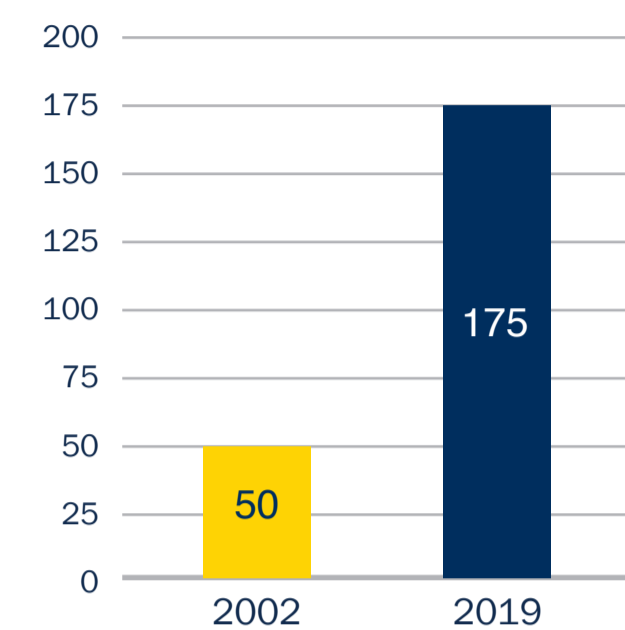
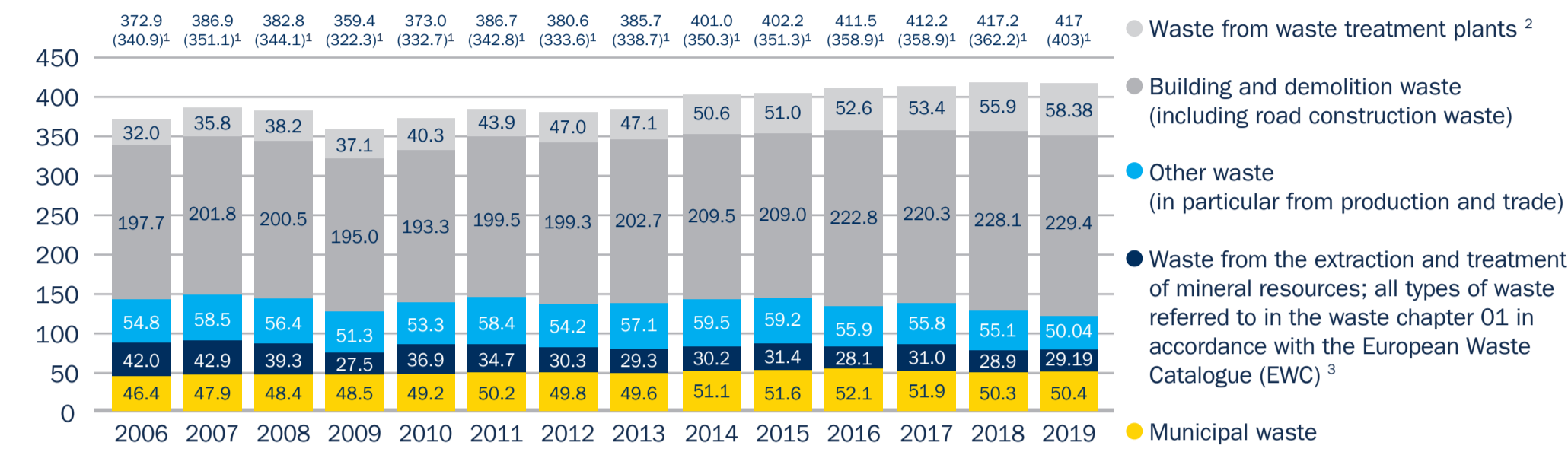


# Recycling in Germany

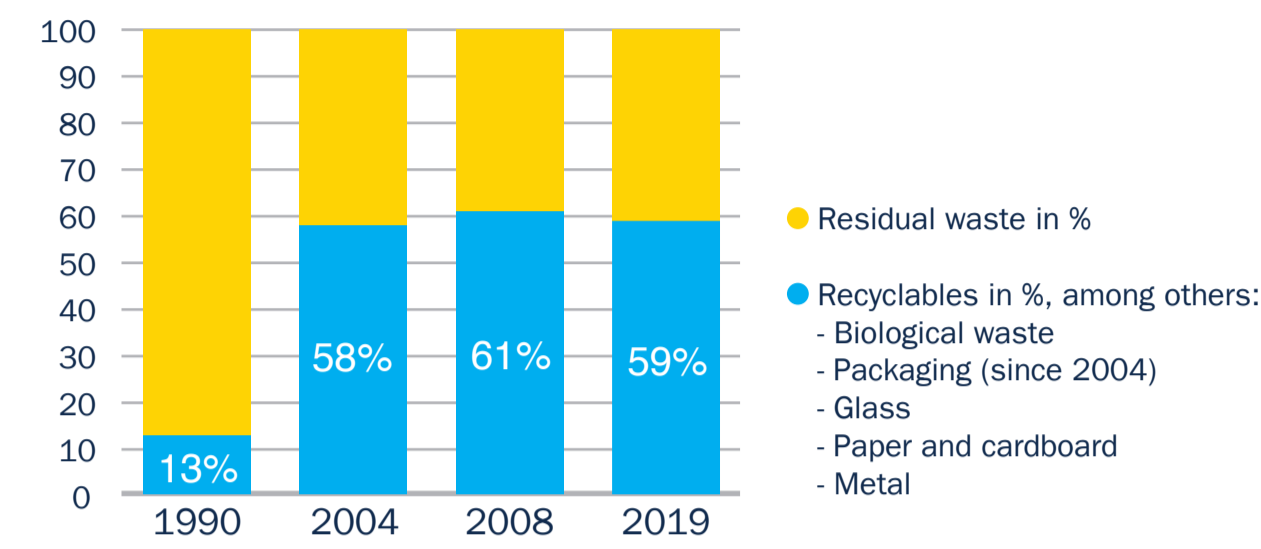
**Raw material imports in Germany<sup>1</sup>**  
(in billion euro)



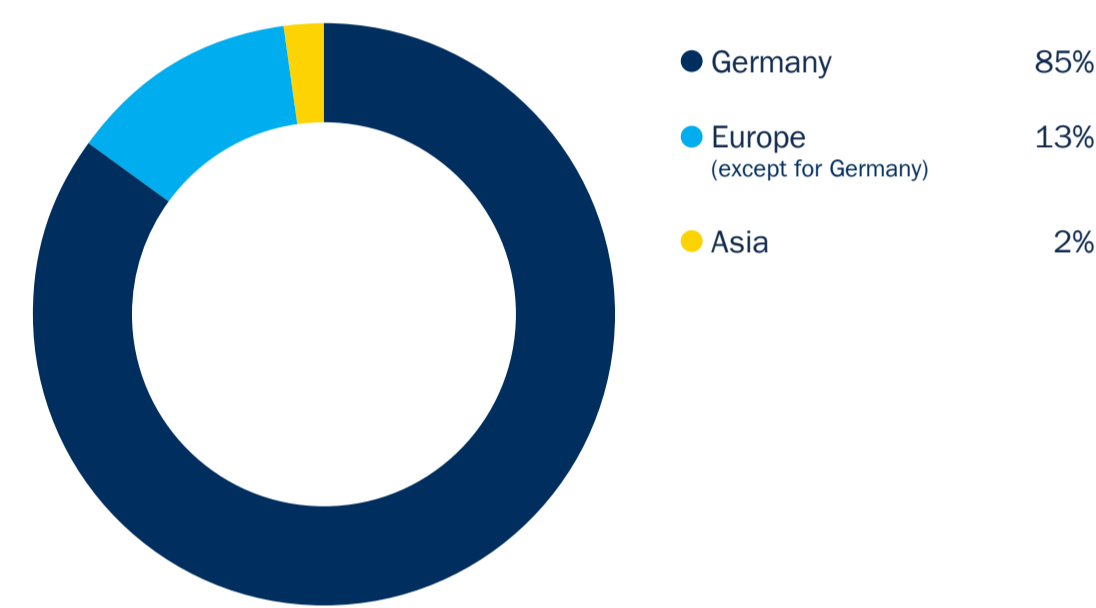
**Amount of waste produced, including hazardous waste<sup>2</sup>**  
(in million tonnes)



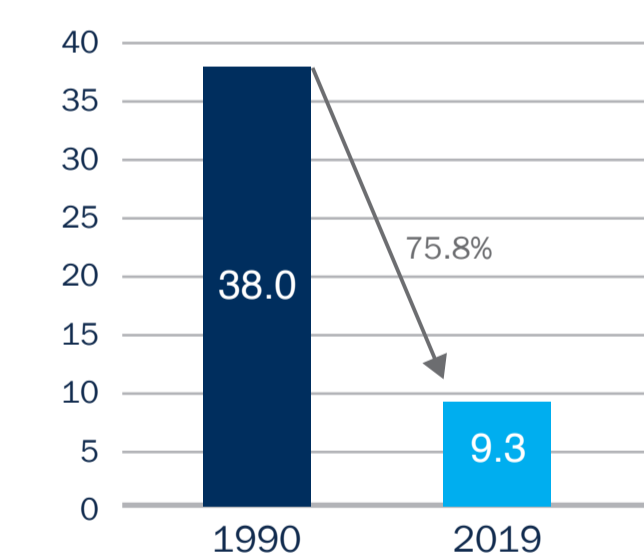
**More recyclables than residual waste<sup>3</sup>**  
(Household waste in Germany)



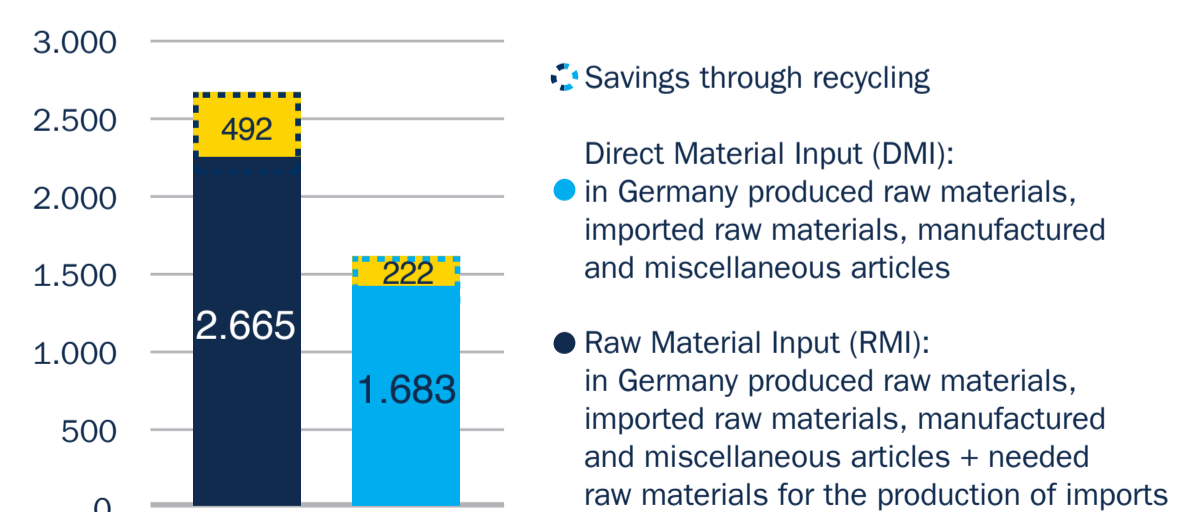
**Export of lightweight packaging from Germany<sup>4</sup>**  
in 2017



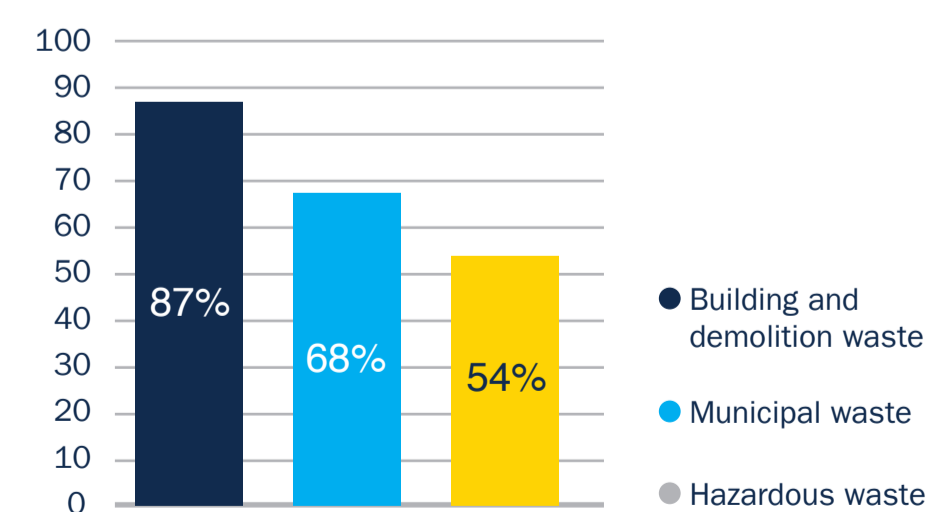
**Reduction of greenhouse gas emissions of the waste management industry, 1990-2019<sup>5</sup>**  
(in million tonnes)



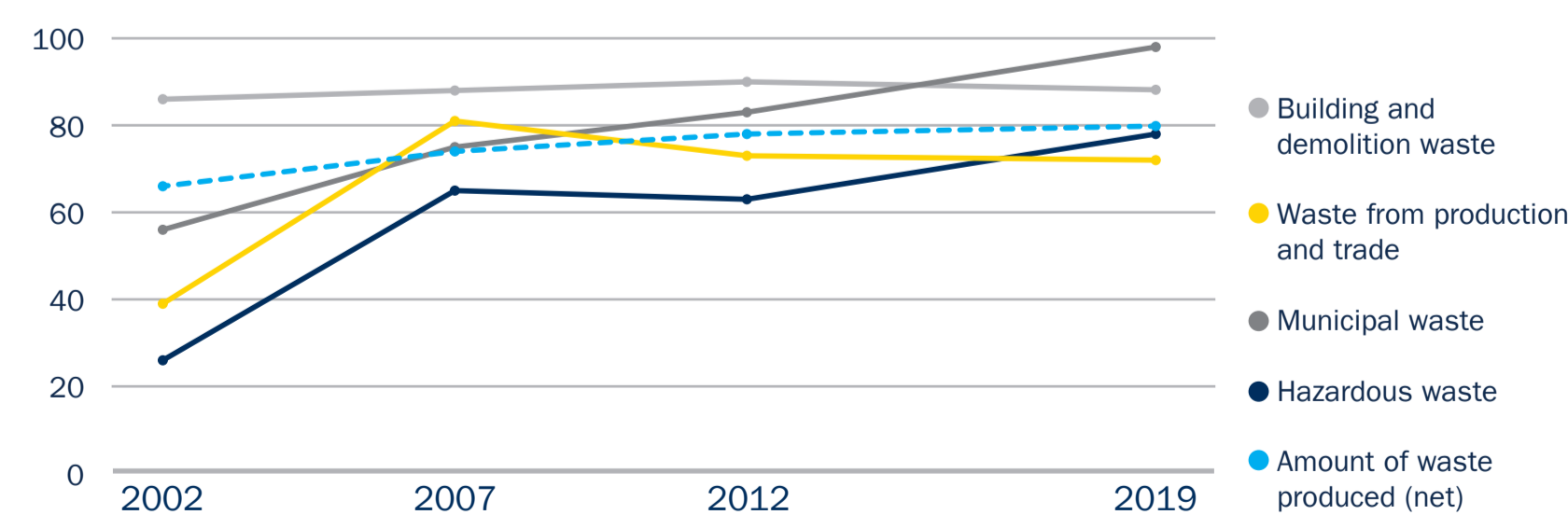
**Primary raw material savings through the use of recycled raw materials<sup>6</sup>**  
(in Germany, 2013) in million tonnes



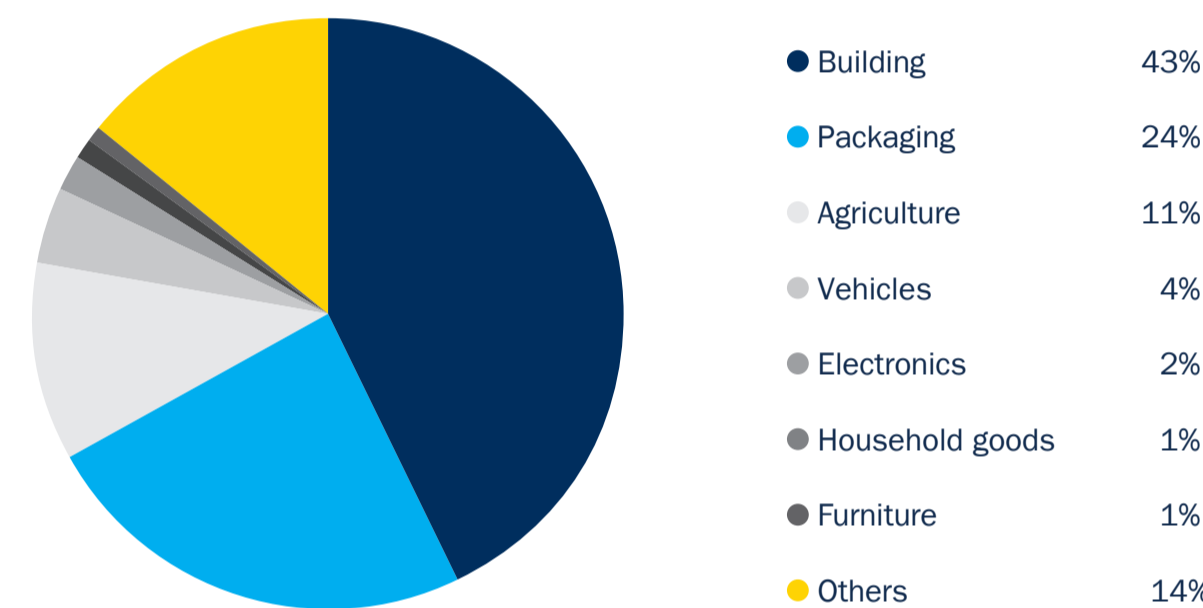
**Recycling quota<sup>7</sup>**  
(in Germany, 2019)



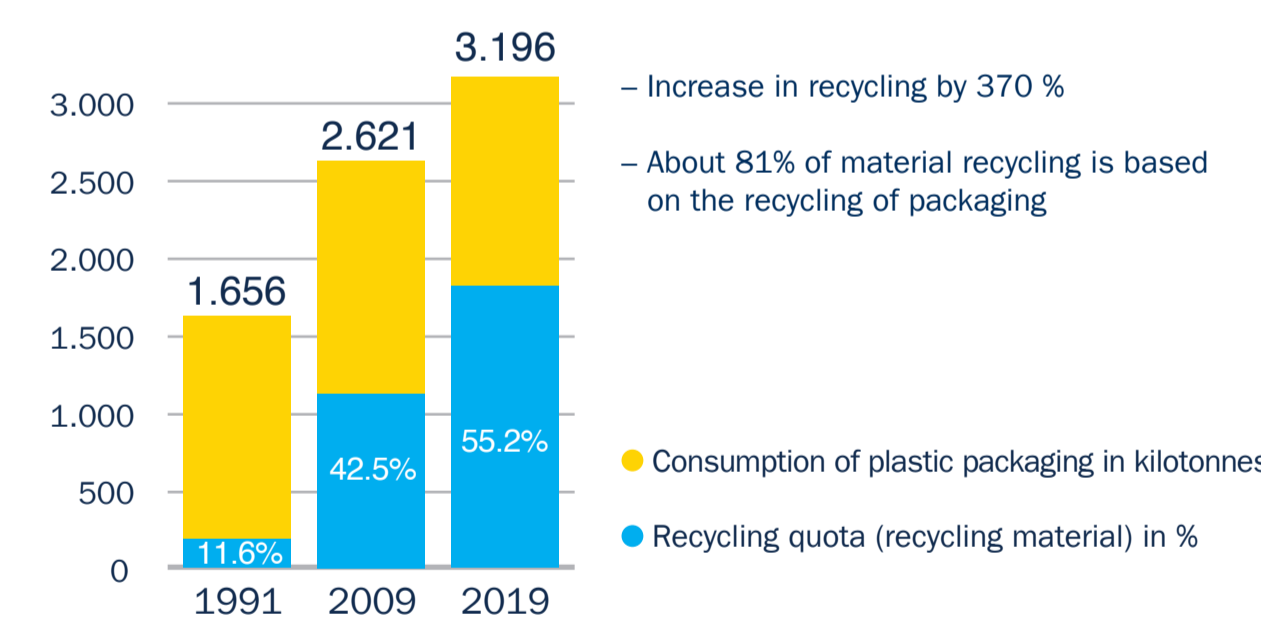
**Recycling quota of the main waste streams<sup>8</sup>**  
(in per cent)



**Use of recycled plastics<sup>9</sup>**  
(in Germany, 2019)

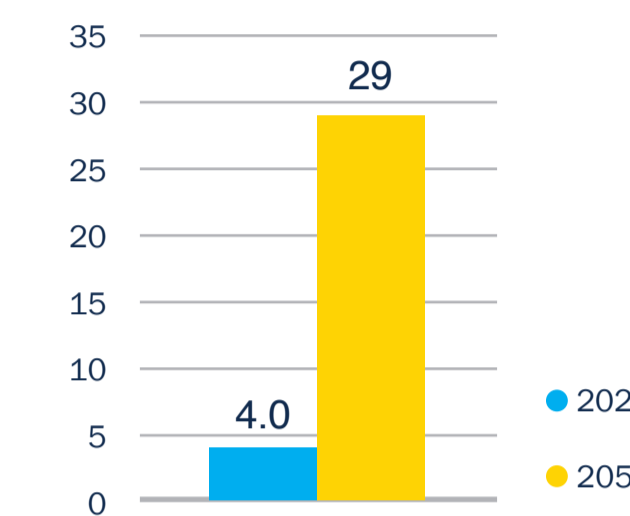


**Consumption of plastic packaging and their recycling material quota<sup>10</sup>**  
(in kilotonnes)

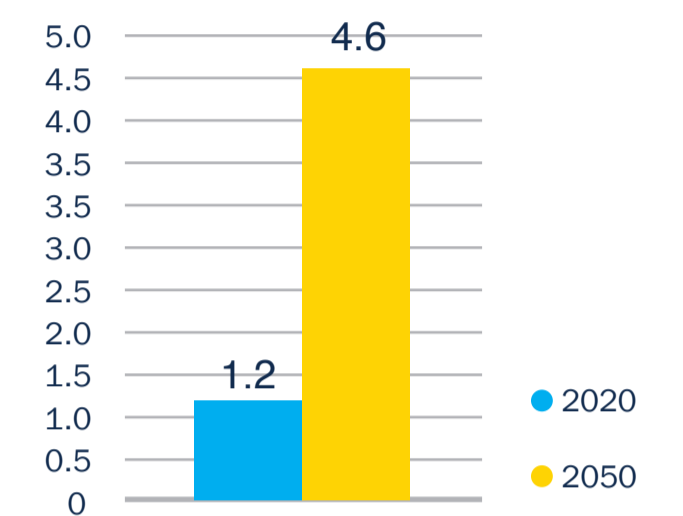


## Additional interesting facts on closed cycle economy

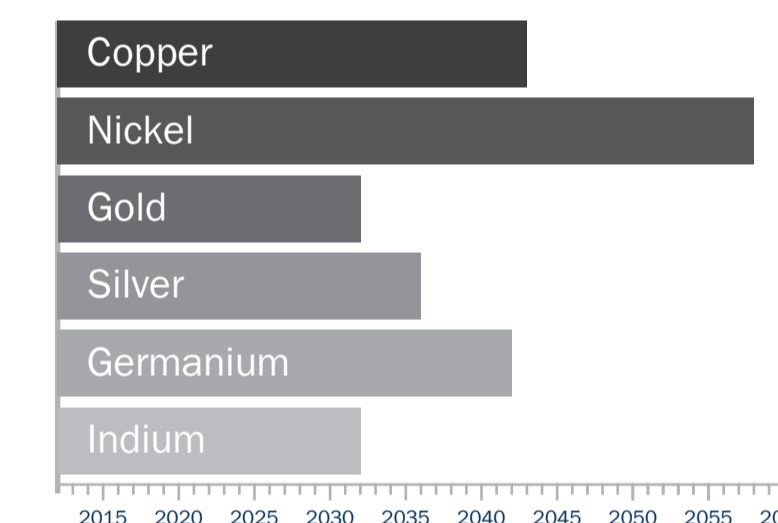
**Worldwide oil consumption<sup>11,12</sup>**  
(in billion tons)



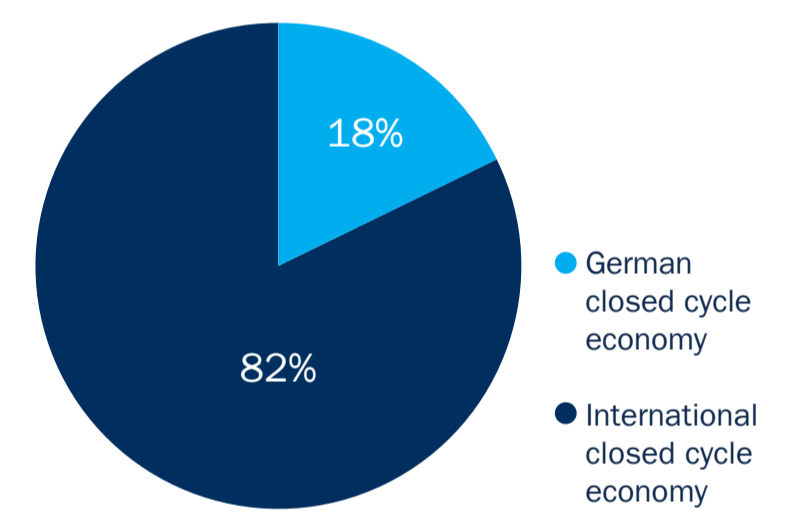
**Number of passenger cars worldwide<sup>13,14</sup>**  
(in billions)



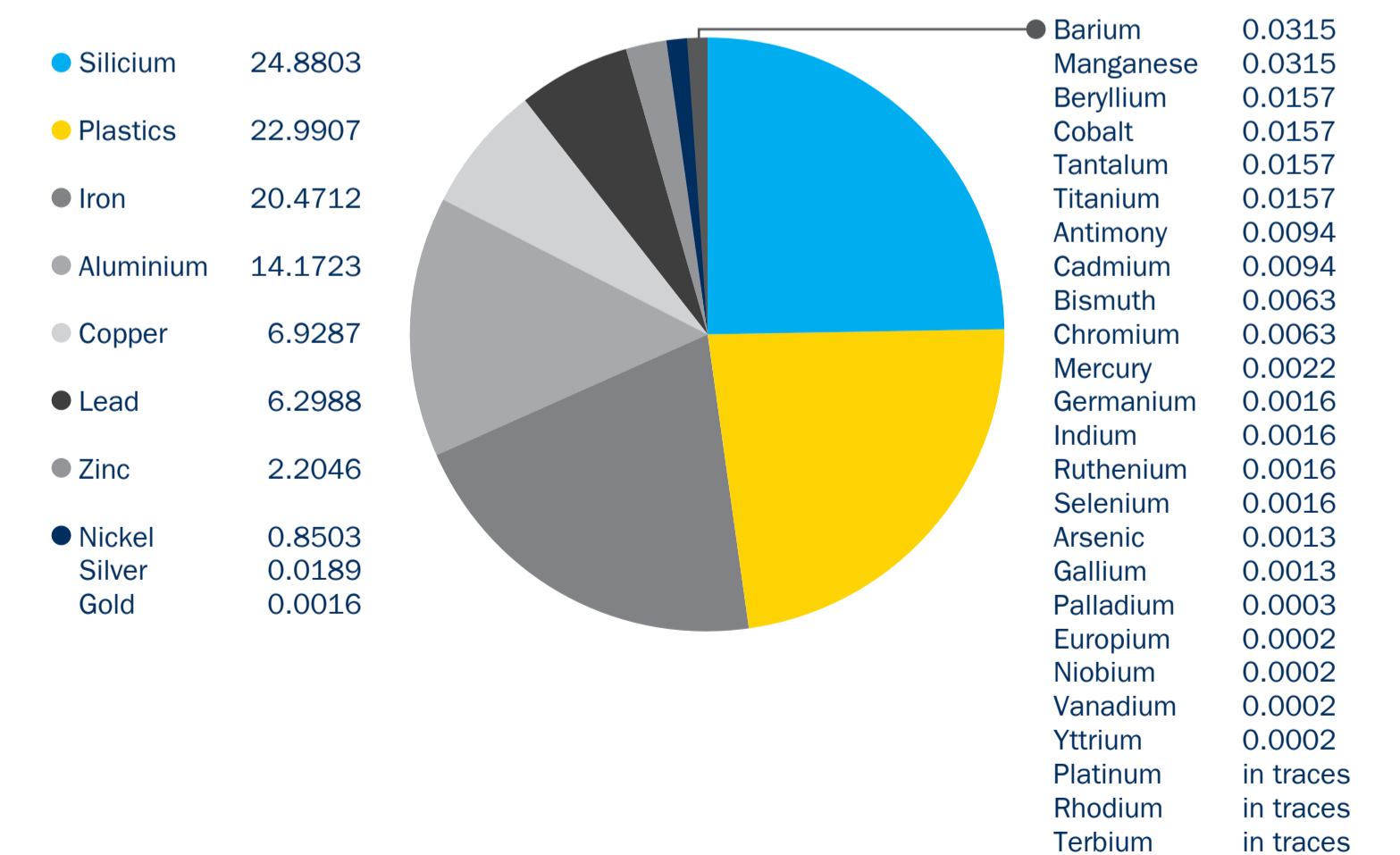
**Finite nature of raw materials<sup>15</sup>**  
Range of coverage of reserves in years



**Proportion of the German lead market closed cycle economy on the world market<sup>16</sup>**  
worldwide (2016)



**The mobile telephone as "raw materials mine"<sup>17</sup>**  
Material components of an average mobile telephone (proportion by weight in percent)



<sup>1</sup> Net waste volume, excluding waste from waste treatment plants.

<sup>2</sup> Without waste from waste water treatment plants (EWC 1908), waste from the preparation of water intended for human consumption or industrial water (EWC 1909), waste from the soil and groundwater remediation (EWC 1913) and secondary waste that develop from the waste disposal process as raw material/products.

<sup>3</sup> Waste from the extraction and treatment of mineral resources.

<sup>4</sup> Source: Statistisches Bundesamt [German Federal Statistical Office], 2019

<sup>5</sup> Source: Statistisches Bundesamt [German Federal Statistical Office], 2021

<sup>6</sup> Source: Statistisches Bundesamt [German Federal Statistical Office], 2020

<sup>7</sup> Source: Umweltbundesamt [Federal Environment Agency], 2020

<sup>8</sup> Source: Umweltbundesamt [Federal Environment Agency], 2020

<sup>9</sup> Source: GVM [German Society for Packaging Market Research], 2019

<sup>10</sup> Source: BMU [German Federal Ministry of the Environment] / Roland Berger: „GreenTech made in Germany 2018 – the environmental technology atlas for Germany“, 2018

<sup>11</sup> Source: BGR Resource Report Germany 2002, 2003

<sup>12</sup> Source: BP Statistical Review of World Energy, 2021

<sup>13</sup> Source: OECD-Umweltausblick 2030 [OECD-environmental prospect 2030], 2008

<sup>14</sup> Source: World's Automotive Group: „World Vehicles in Operation by Vehicle Type“

<sup>15</sup> Source: BMU [German Federal Ministry of the Environment], Deutsches Ressourceneffizienzprogramm ProgRes III [German Resource Efficiency Program], 2020