

Lesson 7 Data Sheet:

The Increasing Number of Cars

- At the start of the twentieth century, there were only about 8,000 cars in the United States and possibly not more than 25,000 worldwide.
- Most cars in the **early 1900s** were located in either the United States or Europe. In **1908**, for example, there were only about 20 cars in Tokyo, Japan.
- There were 300 cars in the United States in **1895**, 78,000 in **1905**, 459,000 in **1910** and 1.7 million in **1914**.
- In **1903** just under 63,000 cars were built in the world of which about half were produced in France.
- By **1910** there were 100,000 cars in Great Britain.
- By **1968** the worldwide figure had increased to 170 million; a figure that had more than doubled to 375 million by **1985**.
- In **2002** there were 530 million cars worldwide, of which about 25% (130 million) were in the United States.

World Annual Car Production 2004 - 2014

Year	Total Cars Produced
2004	64,496,220
2005	66,719,519
2006	69,222,975
2007	73,266,061
2008	70,729,696
2009	61,762,324

Year	Total Cars Produced
2010	77,583,519
2011	79,880,920
2012	84,236,171
2013	87,595,998
2014	89,776,465

Figure 7.1

Source: <http://www.oica.net/category/production-statistics/2014-statistics/>

World Car Production 1898 - 2007

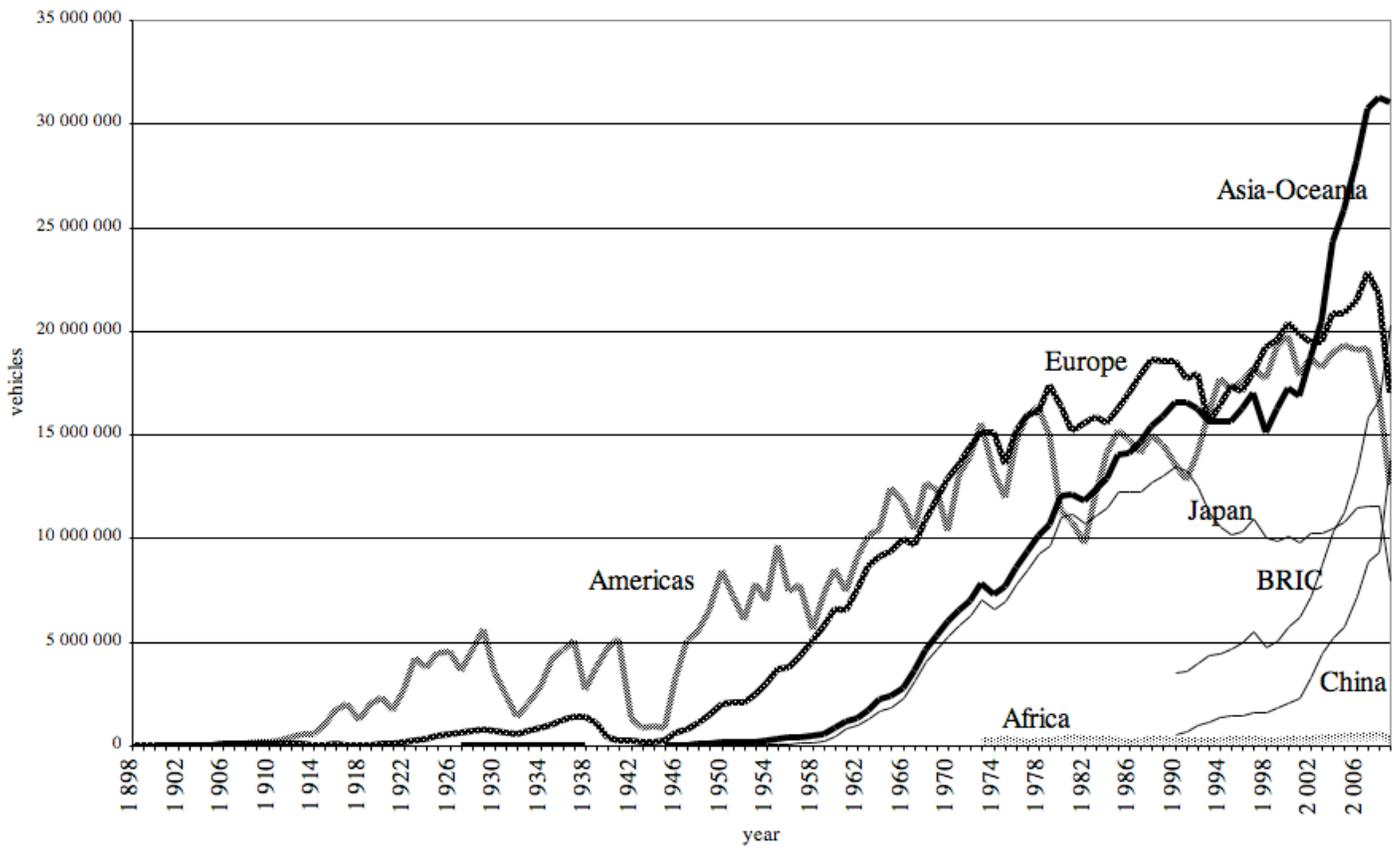


Figure 7.2

Source: <http://revel.unice.fr/eriep/?id=3301>

Greenhouse Gas Levels in the Atmosphere

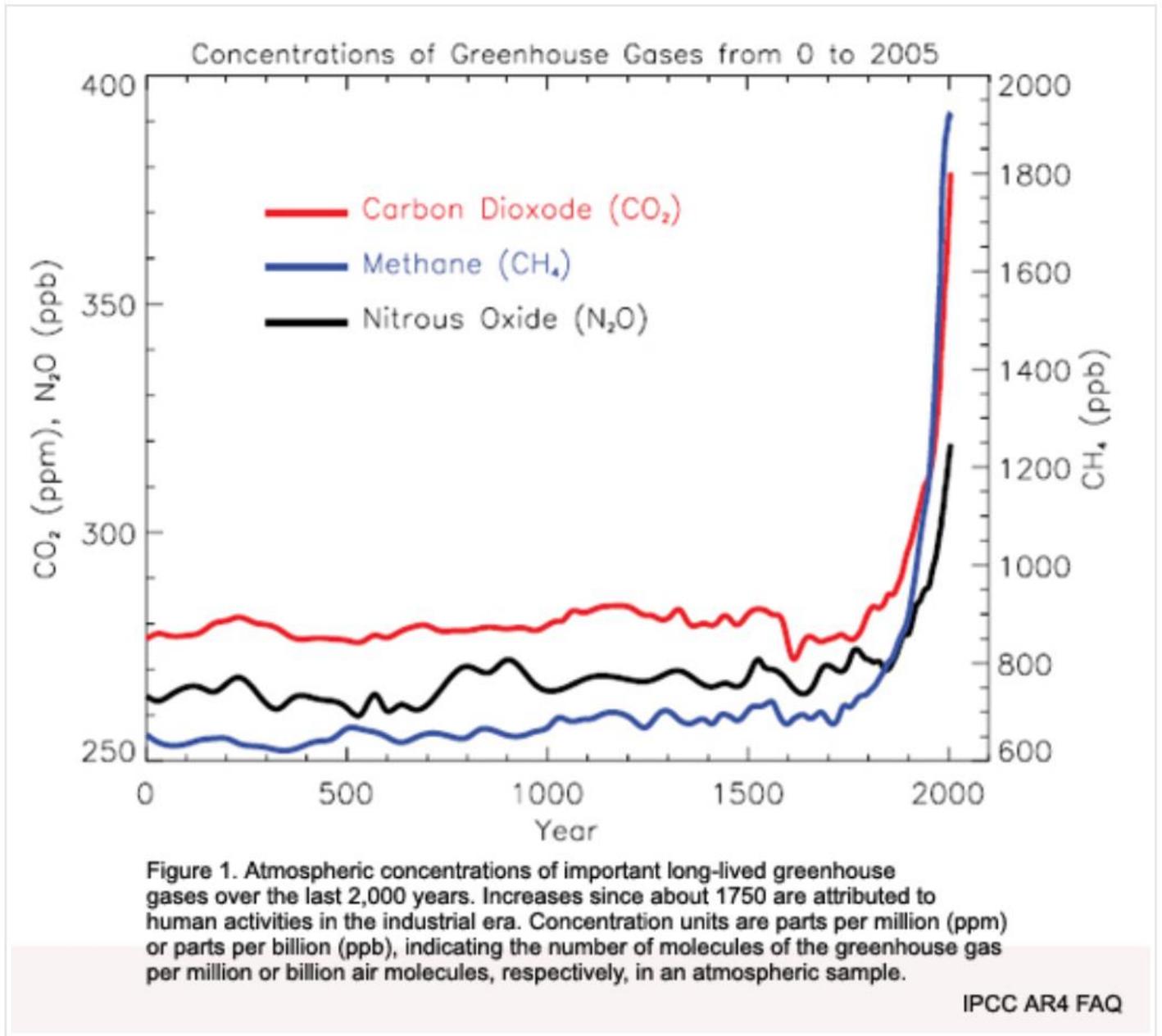


Figure 7.3

Source: <http://www.global-greenhouse-warming.com/greenhouse-gas.html>

Note: Double y-axis graph. CO₂ and N₂O use the scale on the left y-axis and CH₄ uses the scale on the right y-axis. The “Years” x-axis starts at year 1 AD (“year 0” does not exist) and goes through the year 2000 AD.

1 BILLION VEHICLES IN OPERATION

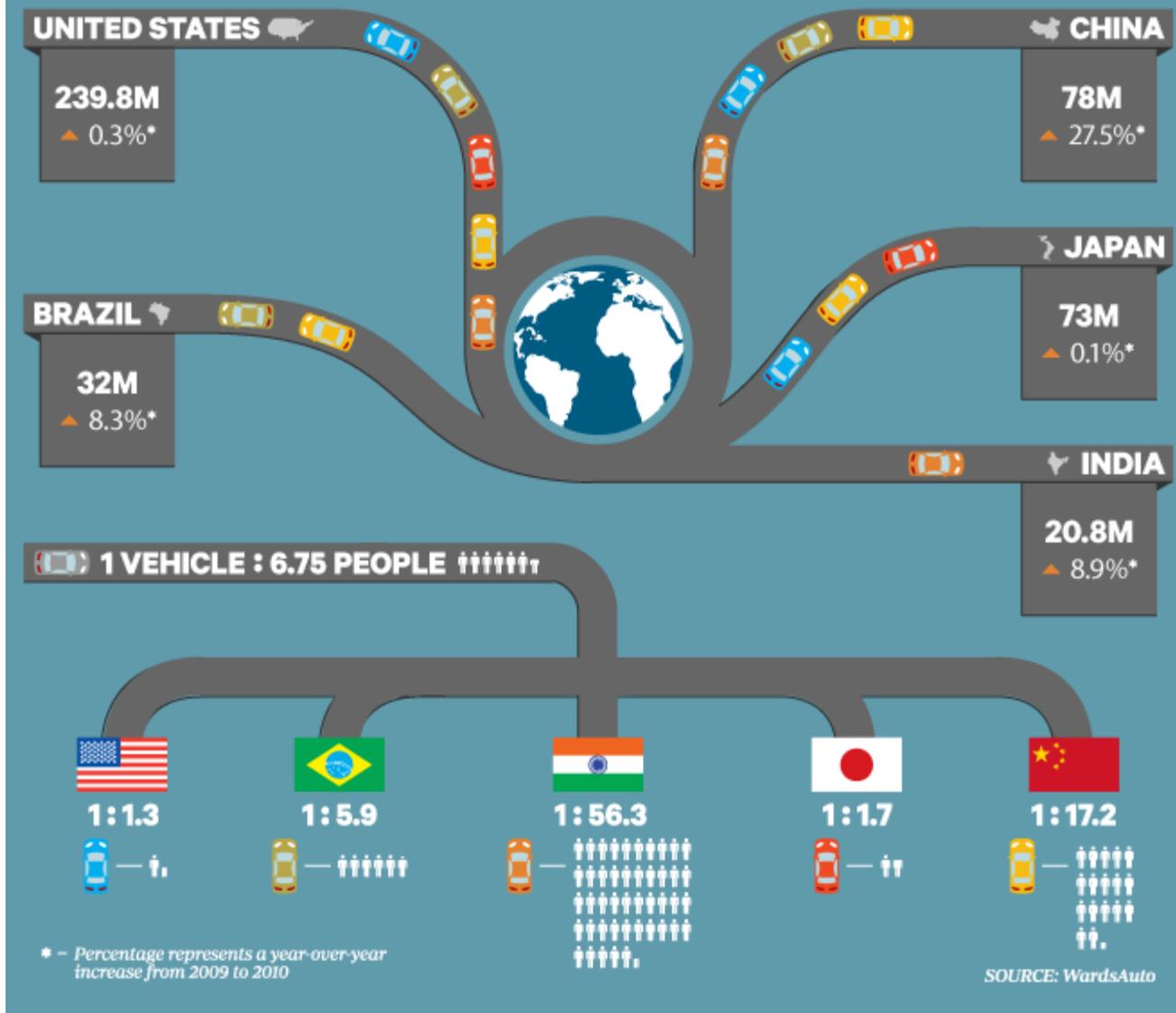
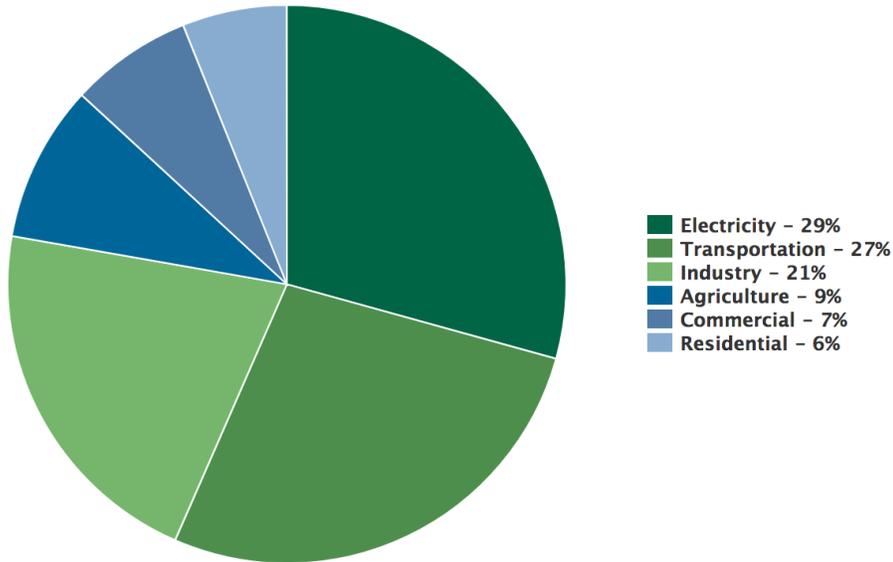


Figure 7.4

Source: <https://www.wired.com/2012/07/1-billion-cars-infographic/>

Transportation Greenhouse Gas (GHG) Emissions in the U.S.

2015 U.S. GHG Emissions by Sector



2015 U.S. Transportation Sector GHG Emissions by Source

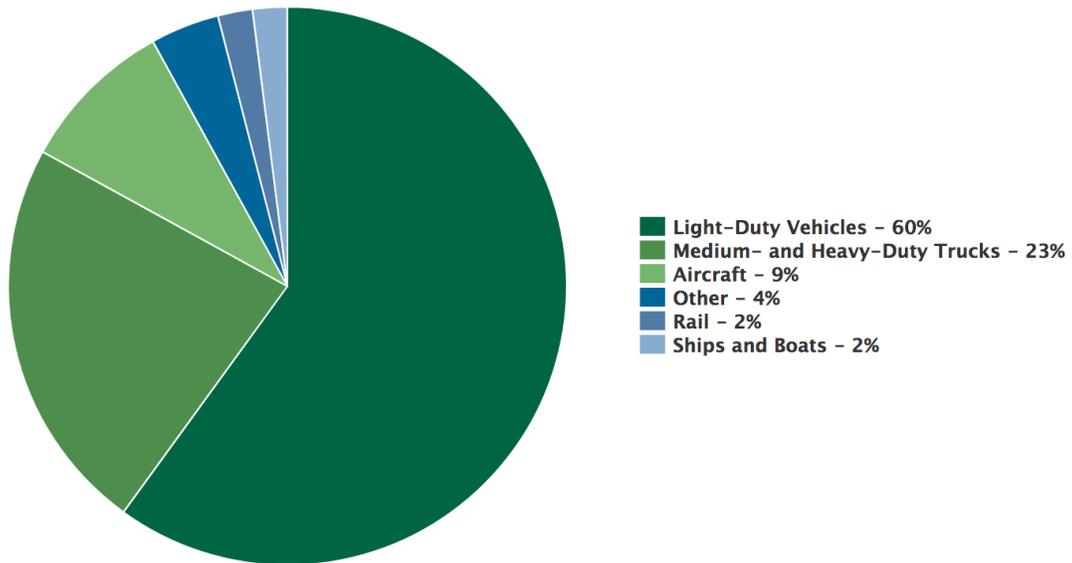


Figure 7.5

Source: <https://www.epa.gov/greenvehicles/fast-facts-transportation-greenhouse-gas-emissions>

Carbon Dioxide Emissions from Burning of Fossil Fuels - 2006

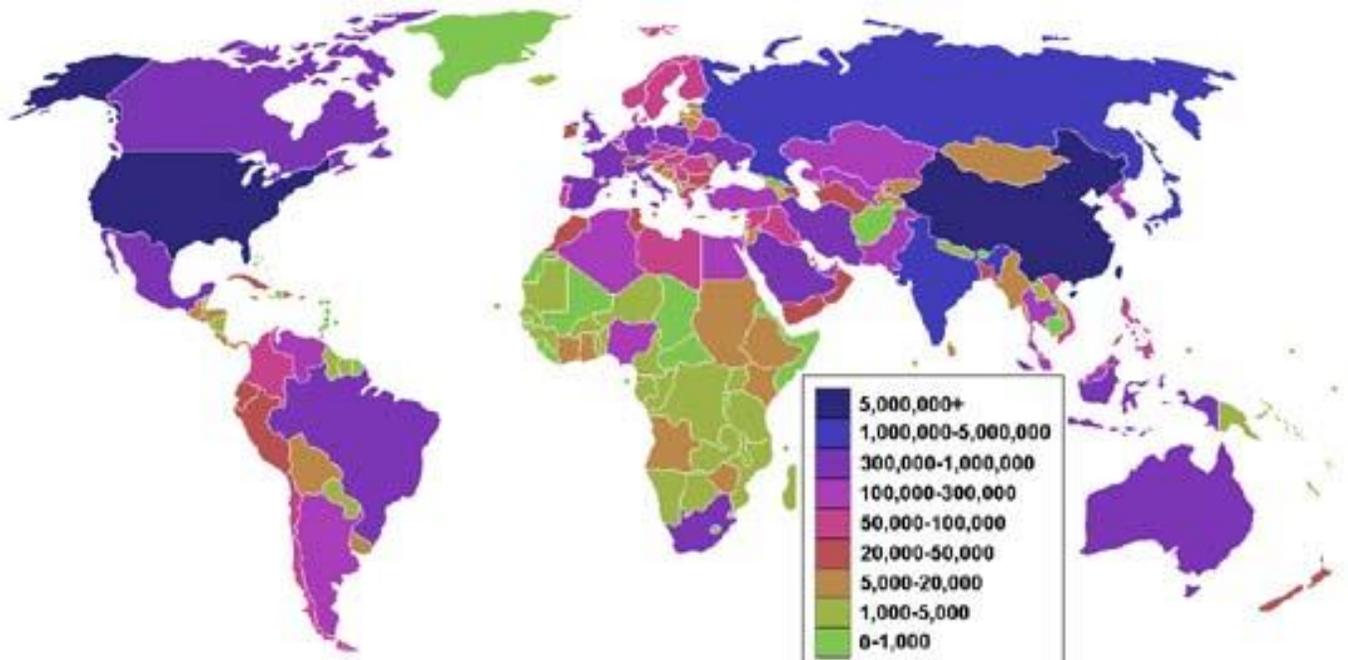


Figure 7.6

Source: <https://publications.europa.eu/en/publication-detail/-/publication/41811494-f131-11e8-9982-01aa75ed71a1/language-en>