

10 YEARS PERFORMANCE - WORLD'S TOP R&D INVESTORS

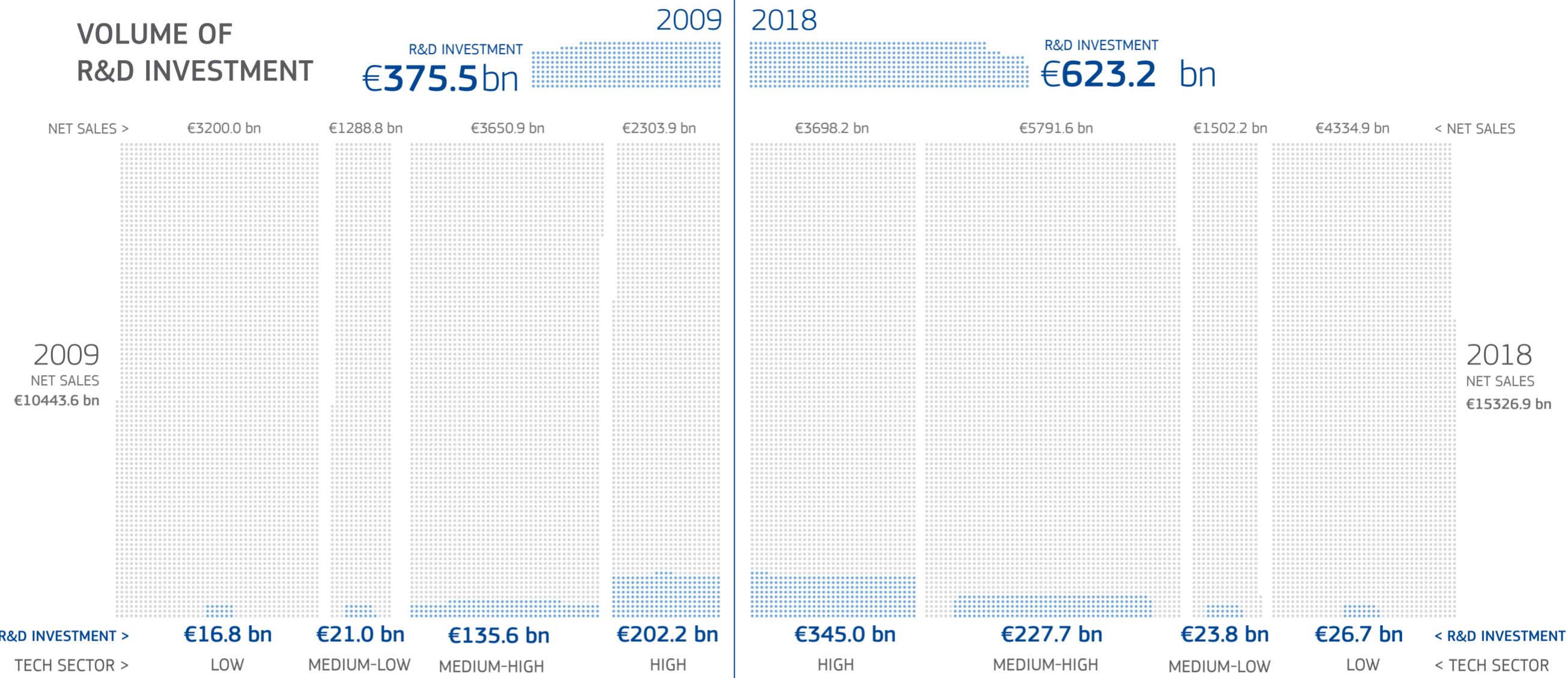
2019 EU INDUSTRIAL R&D INVESTMENT SCOREBOARD

2009 2018

Over 10 years, top R&D investors increased R&D investment by **67%**, net sales by **47%** and jobs by **21%**.

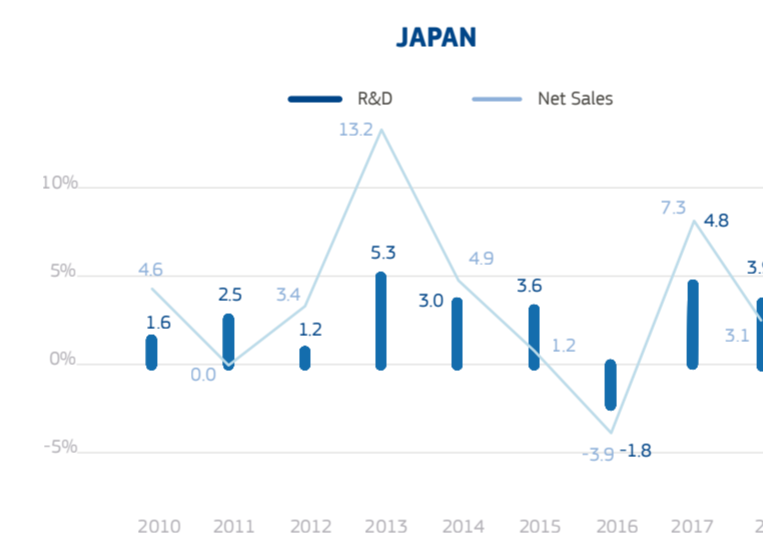
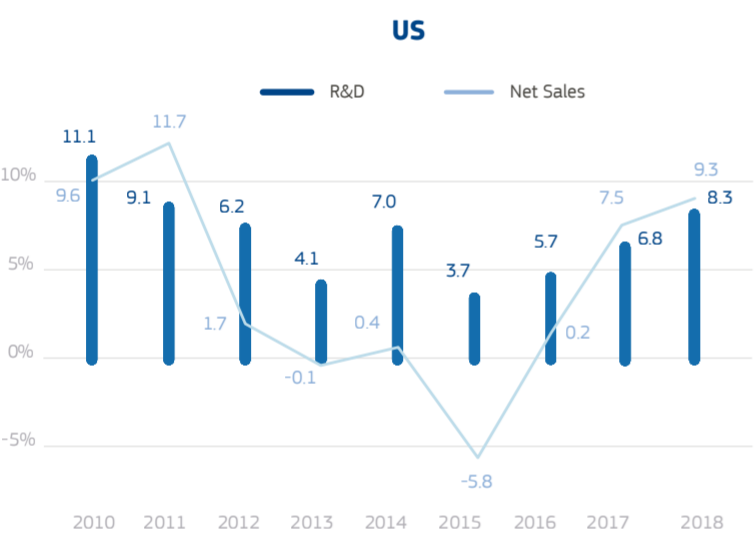
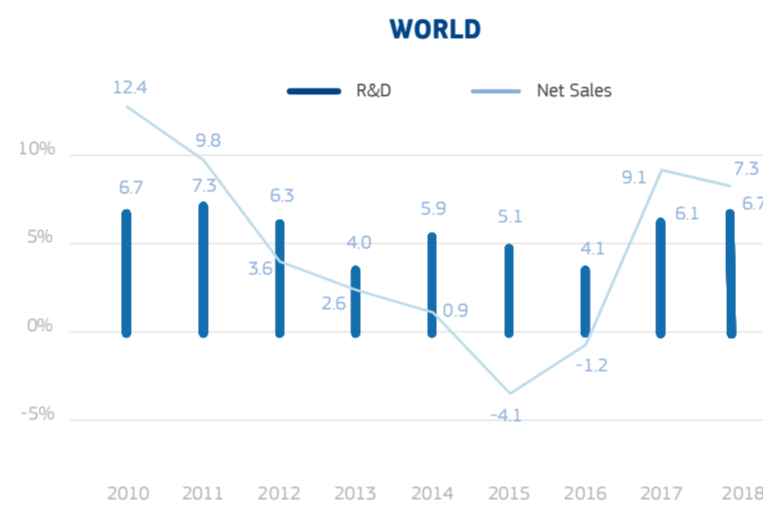
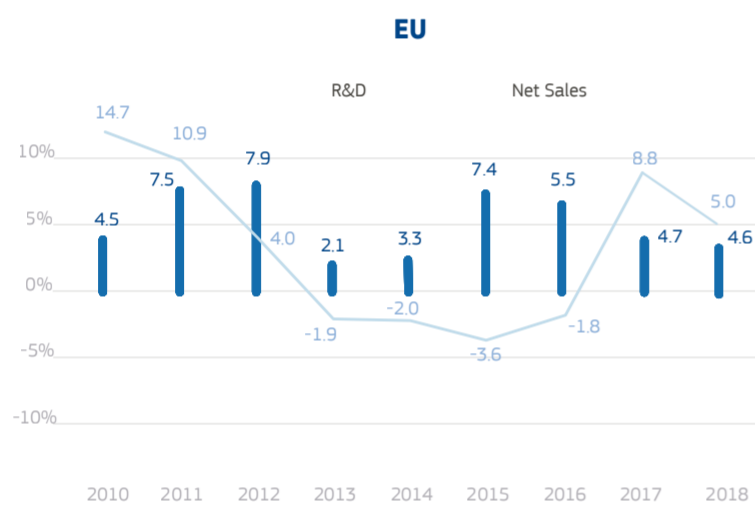
Figures refer to the database of 1399 companies for which data are available for the whole period

10 YEARS EVOLUTION WORLDWIDE

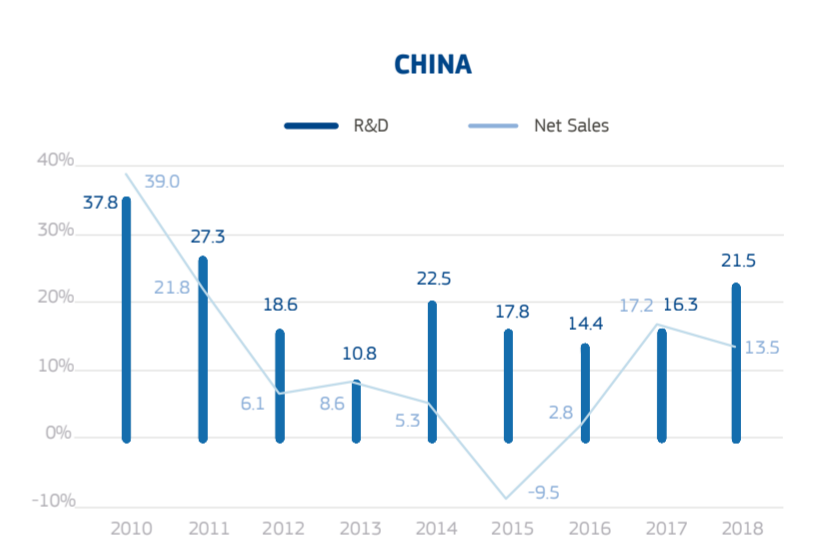
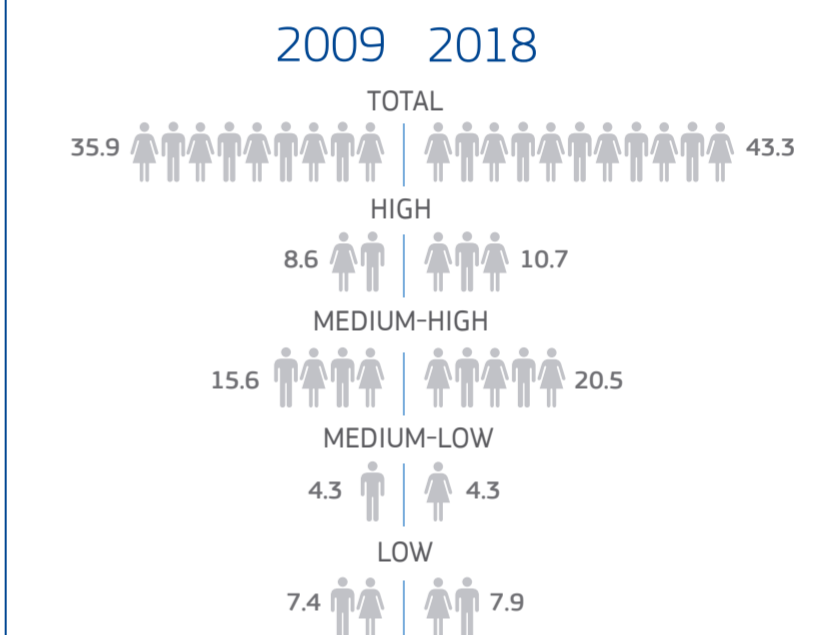


R&D INVESTMENT AND NET SALES TRENDS

Over the past 10 years, the R&D share of EU companies over the total R&D remained practically unchanged, about 30%.



Employees (Million)

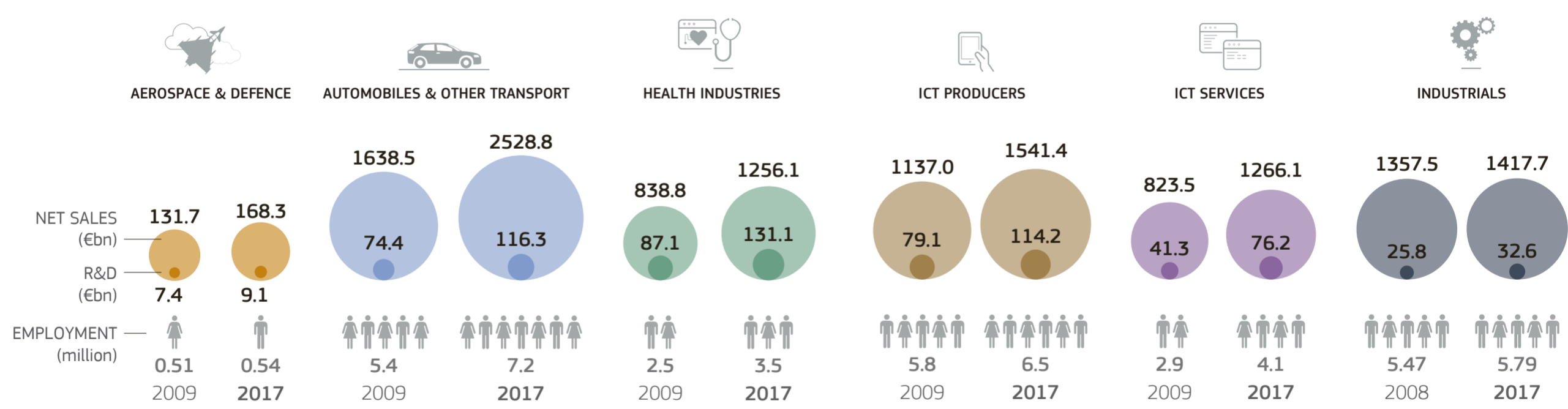


The main change in this indicator is observed for the Japanese companies whose R&D share fell by ca. 5 percentage points.

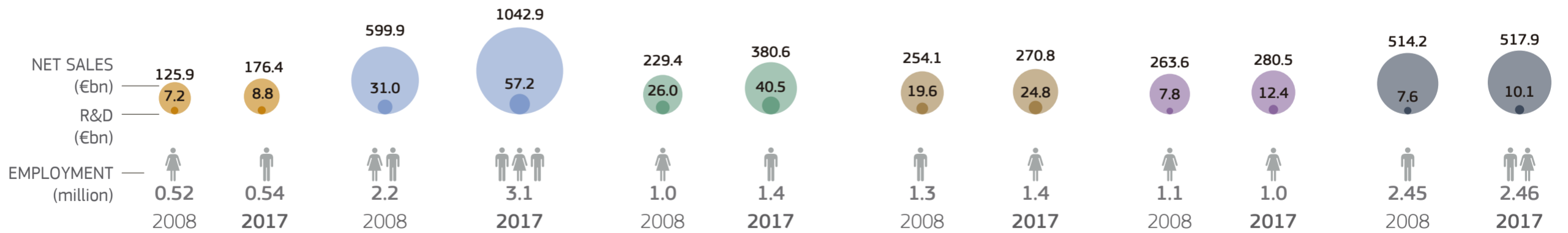
The loss of R&D share by Japanese companies corresponds to increases in R&D shares for the other countries/regions, especially for companies based in China.

World 2009/2018

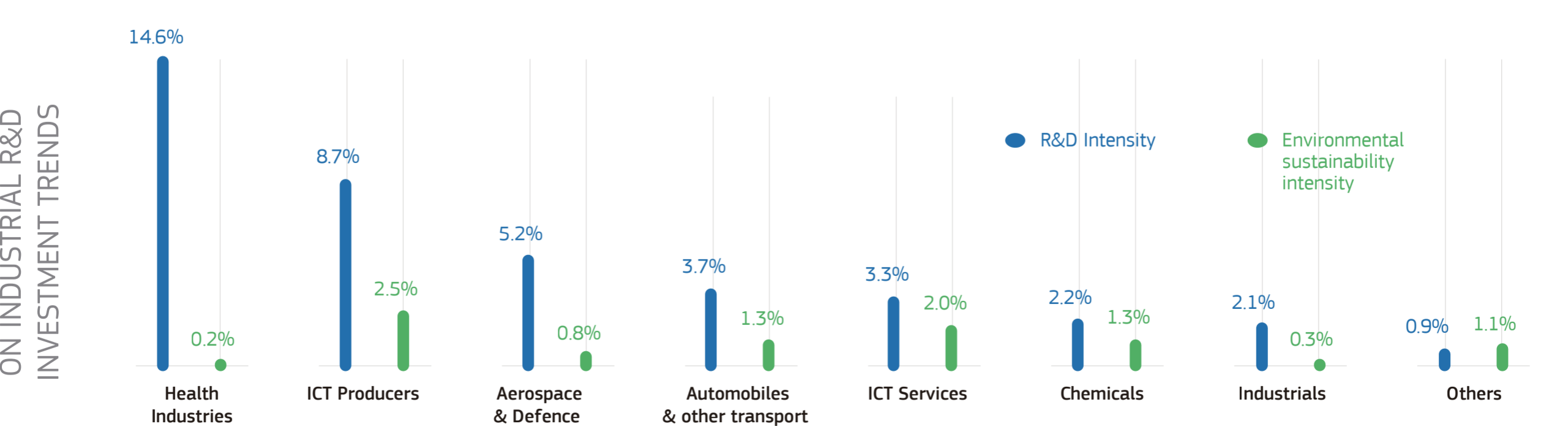
10 YEARS EVOLUTION BY SECTOR - WORLD VS EU



EU 2008/2017



EU SURVEY



The EU Survey on Industrial R&D Investment Trend enquired companies on the amount of investments in environmental sustainability (not limited to R&D investments). The average R&D intensity (R&D over net sales) of all participants to the survey is 3.5%; the environmental sustainability intensity (investment in environmental sustainability over net sales) is 1.0%.

Responding companies in Health Industries and Industrials sectors invest the smallest proportion of net sales in environmental sustainability.