A large circular graphic containing an aerial photograph of a dense city skyline, likely Hong Kong, with numerous skyscrapers and buildings. The circle is partially cut out by a white shape that frames the text.

BP Statistical Review of World Energy

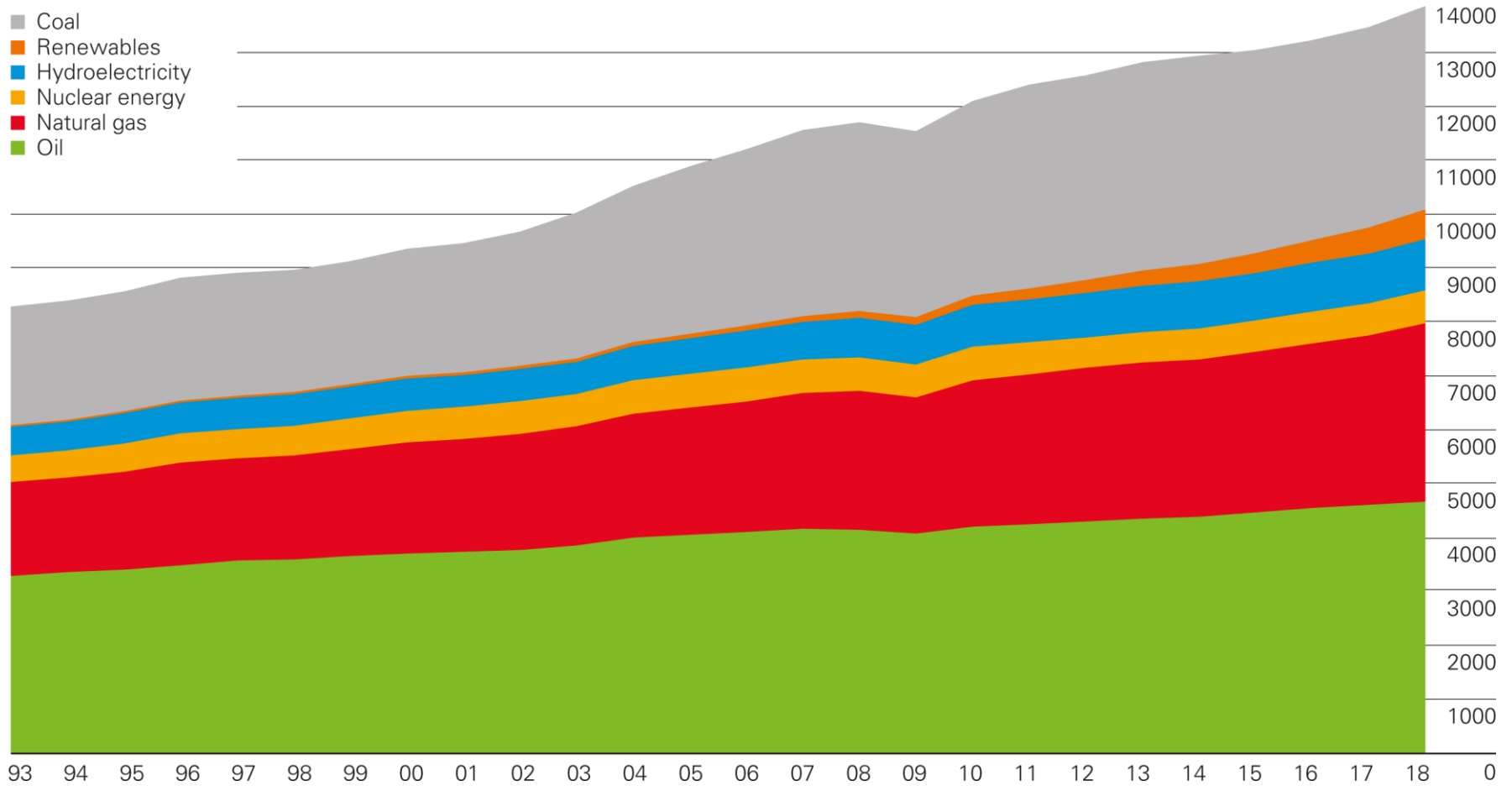
2019 | 68th edition

Primary energy



Primary energy world consumption

Million tonnes oil equivalent



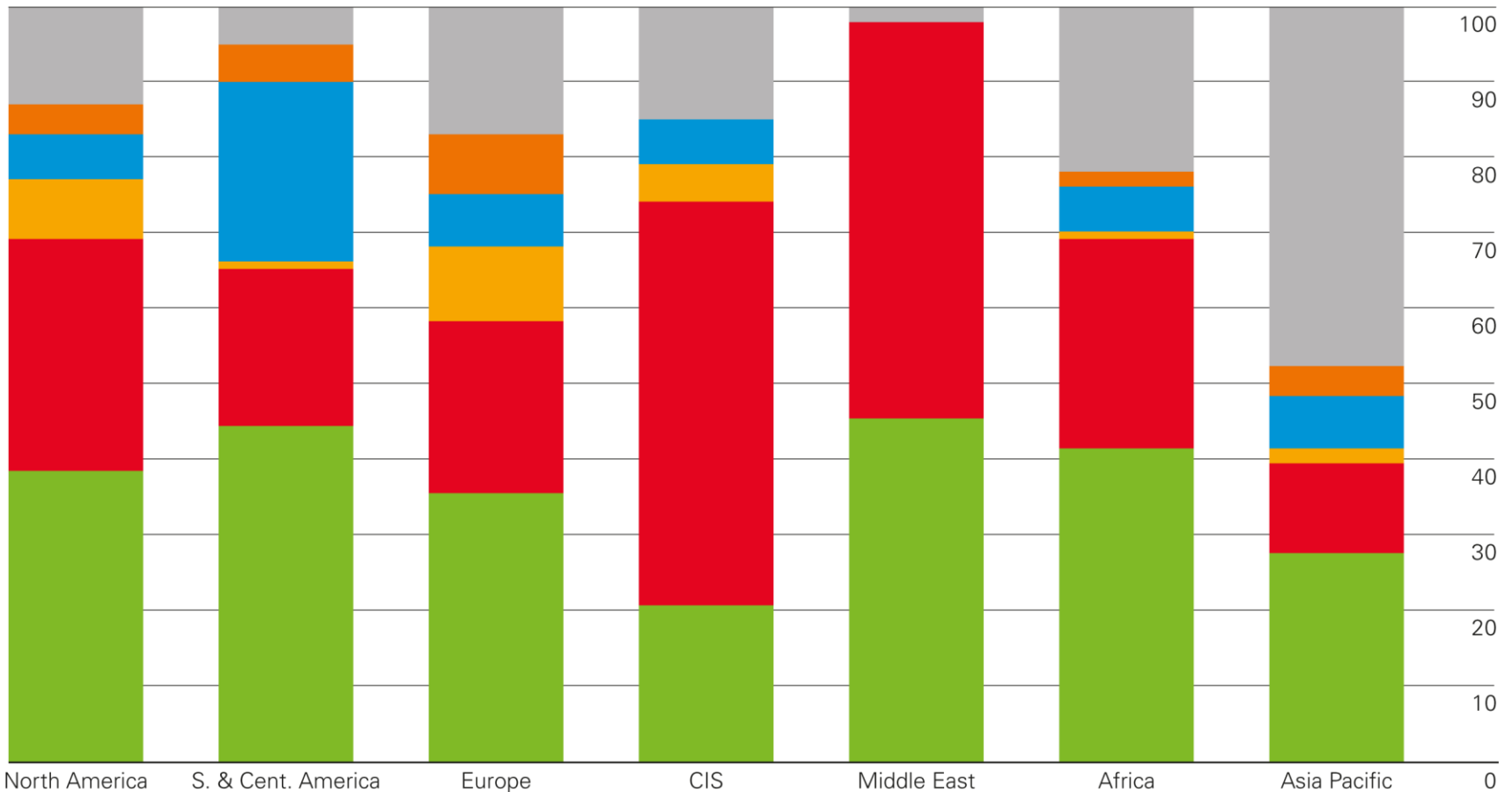


Primary energy regional consumption by fuel 2018

Percentage

Coal
Renewables
Hydroelectricity

Nuclear energy
Natural gas
Oil

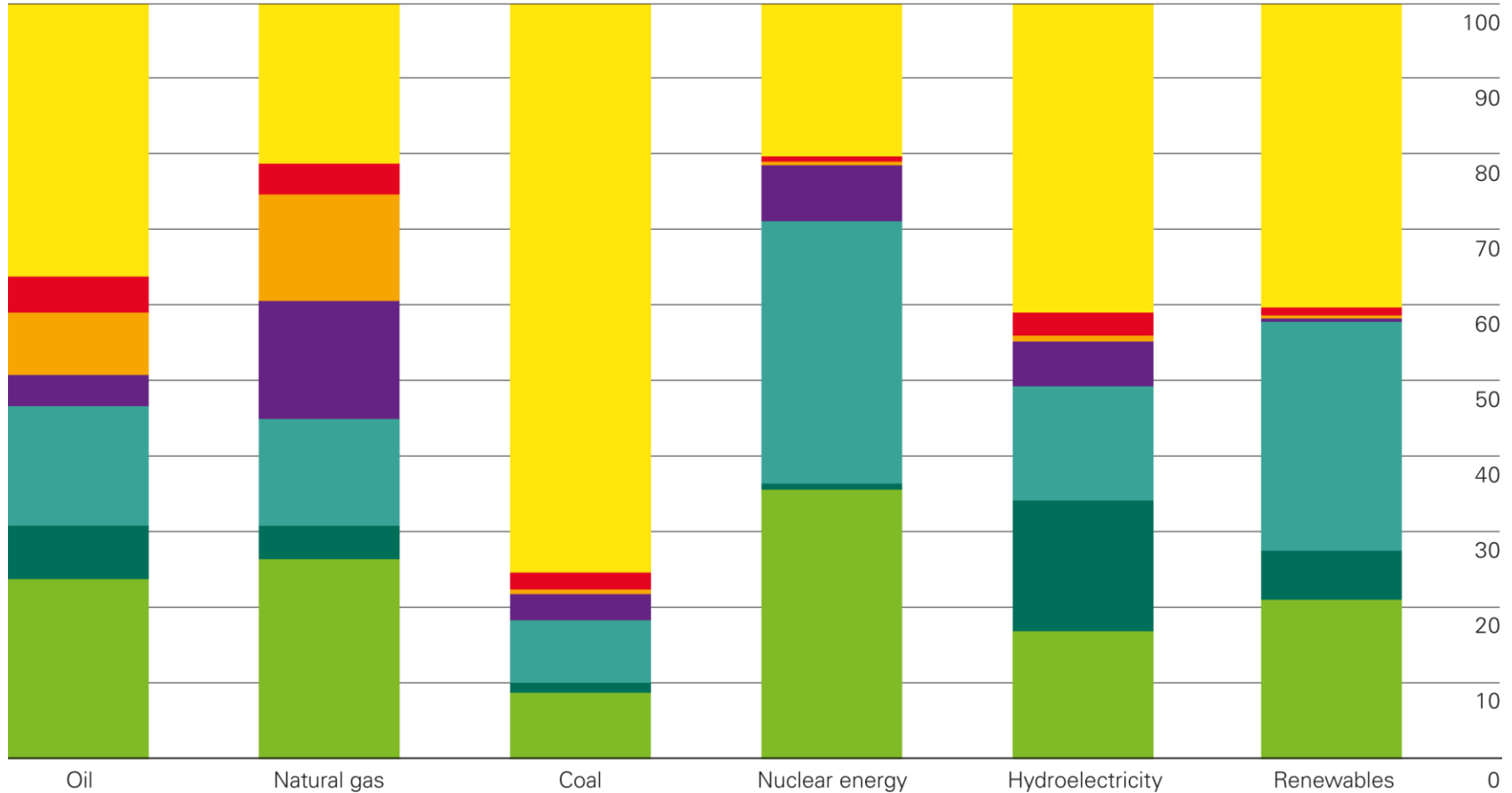




Fuel consumption by region 2018

Percentage

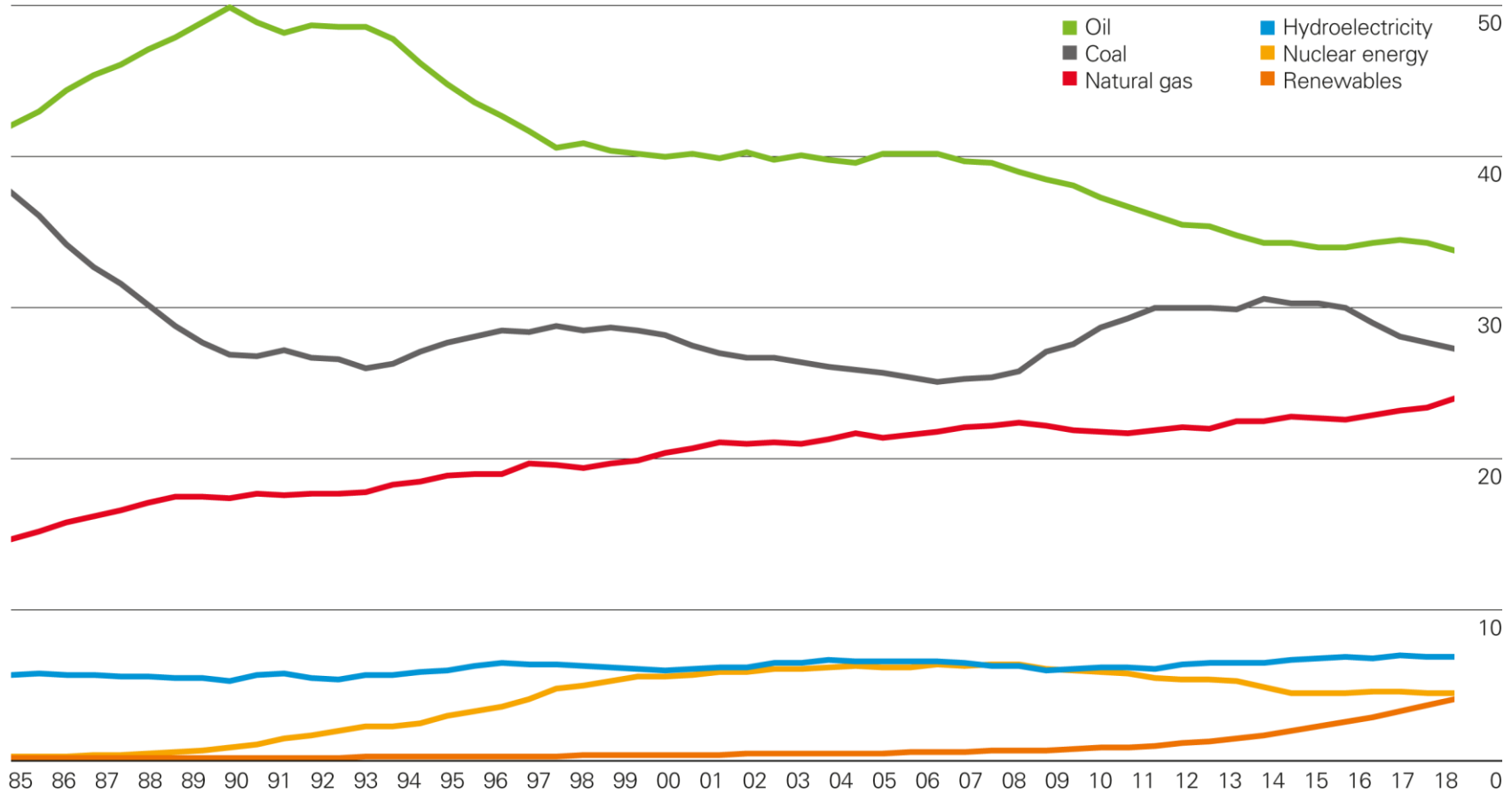
- Asia Pacific
- Africa
- Middle East
- Europe
- CIS
- S. & Cent. America
- North America





Shares of global primary energy consumption

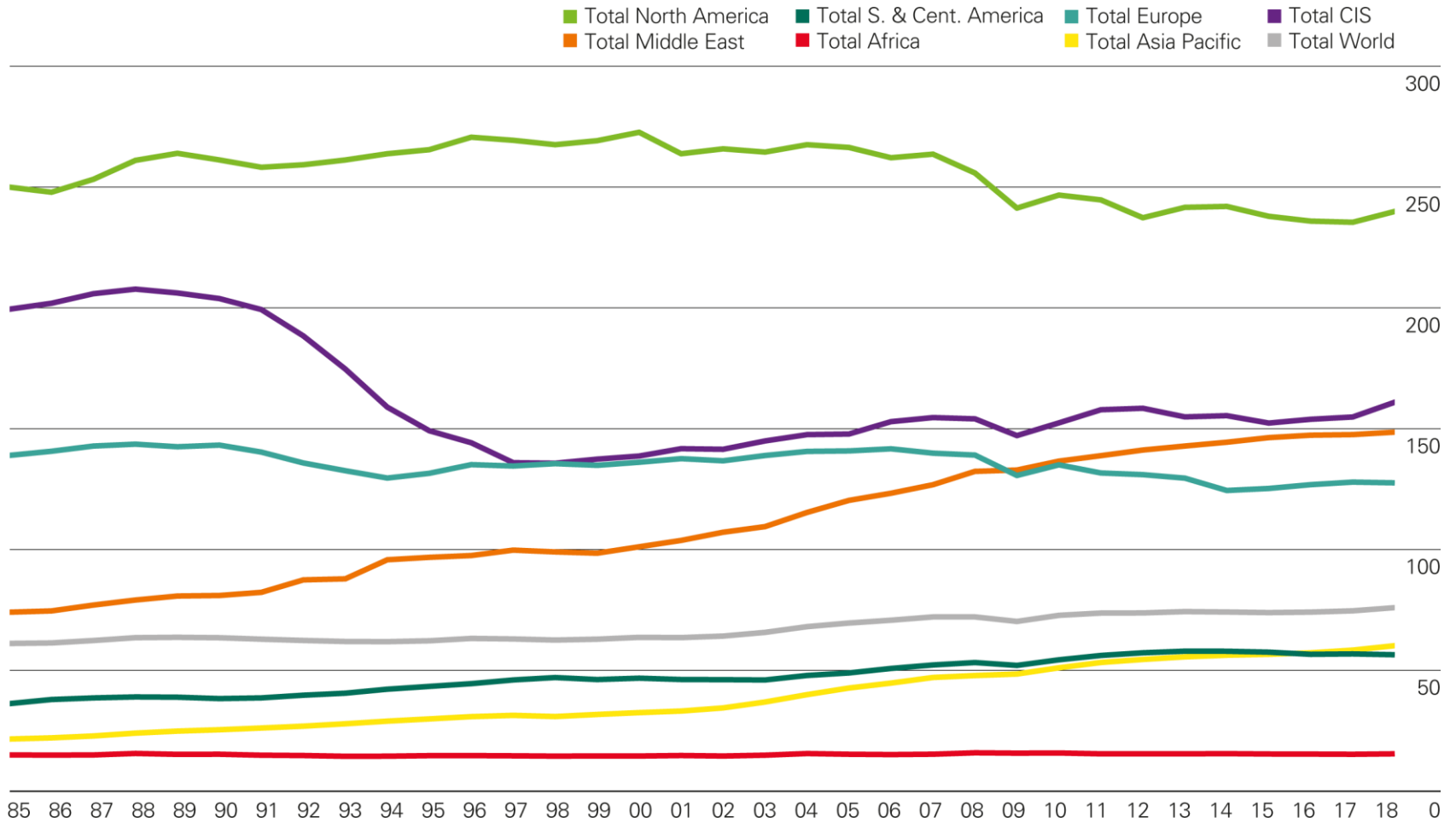
Percentage





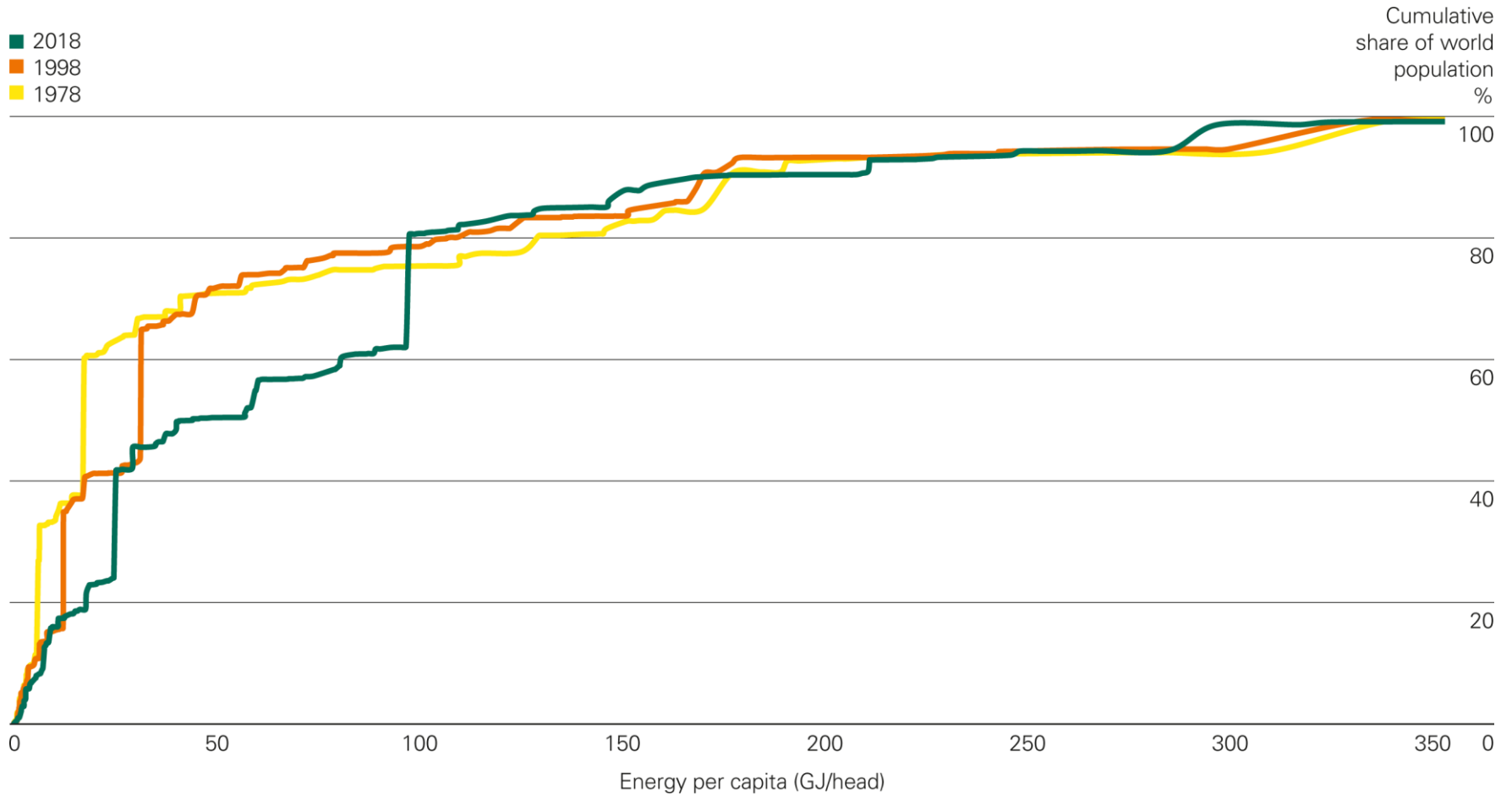
Energy per capita by region

Gigajoules per head





Energy per capita: distribution across countries



Oil

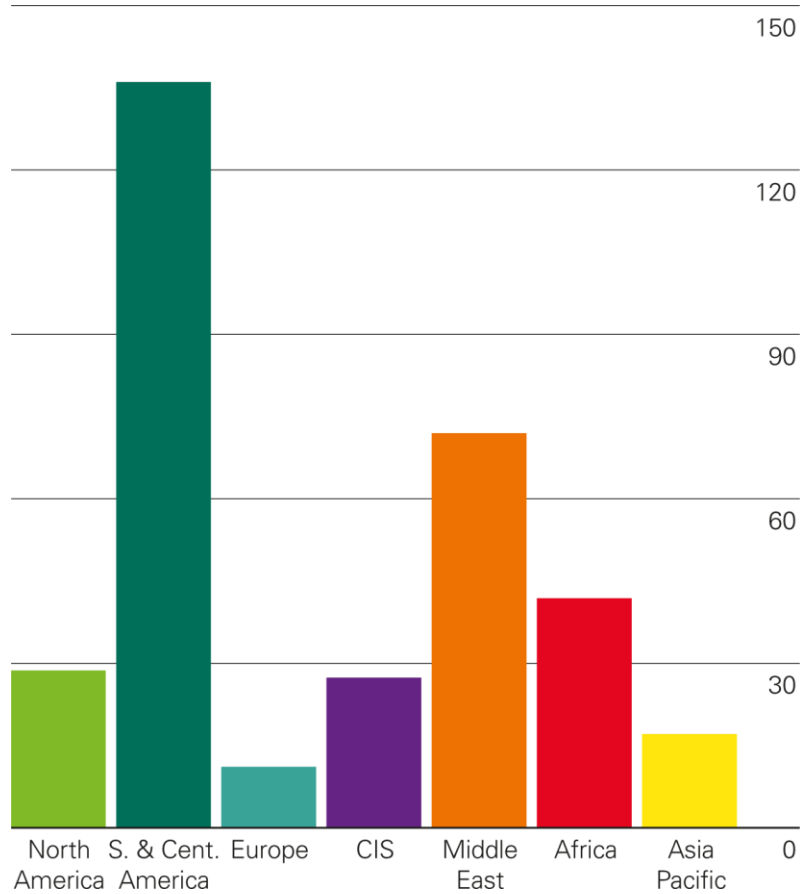




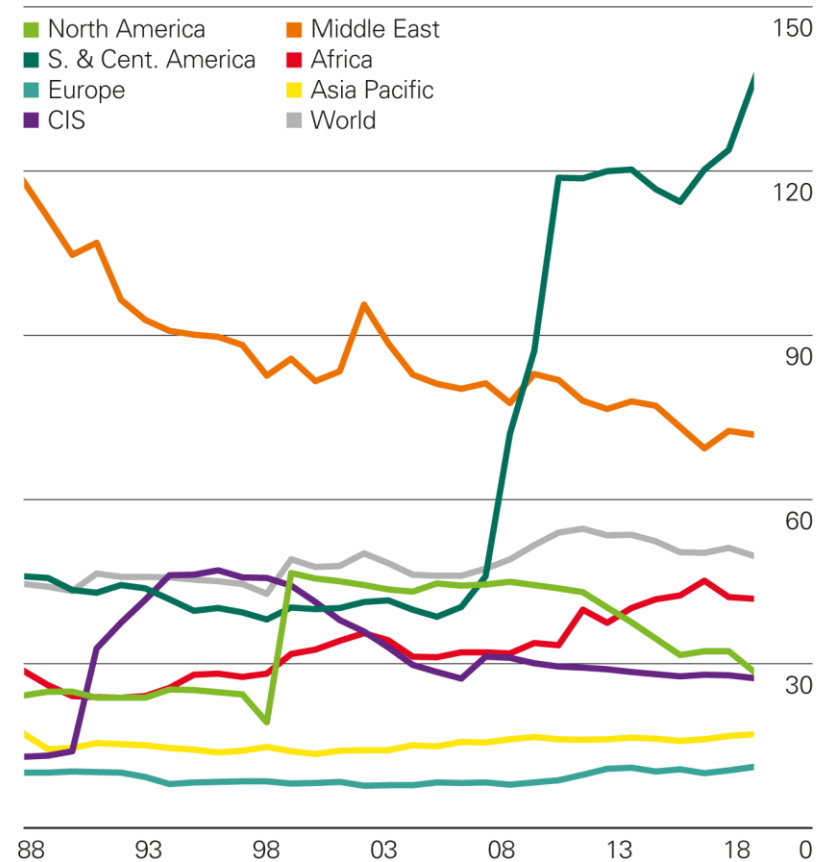
Oil reserves-to-production (R/P) ratios

Years

2018 by region



History

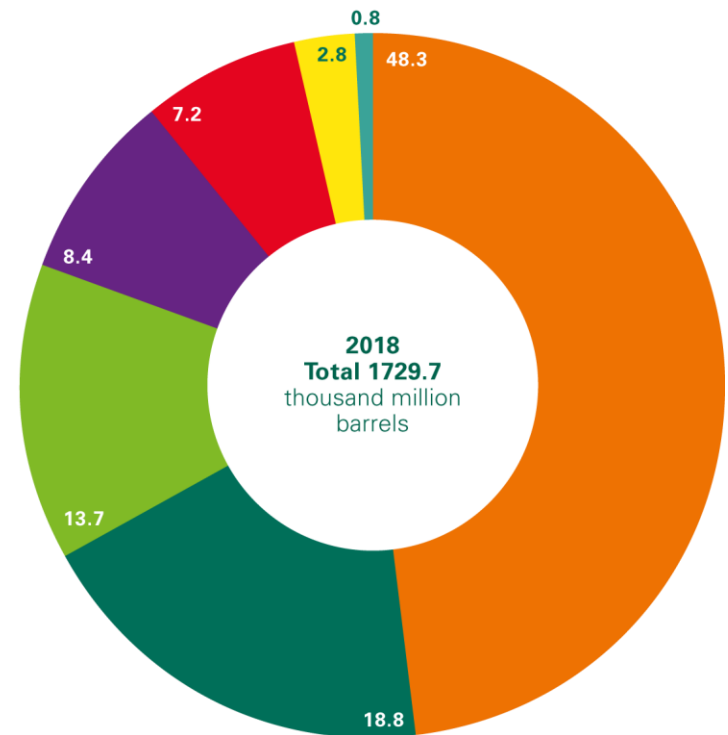
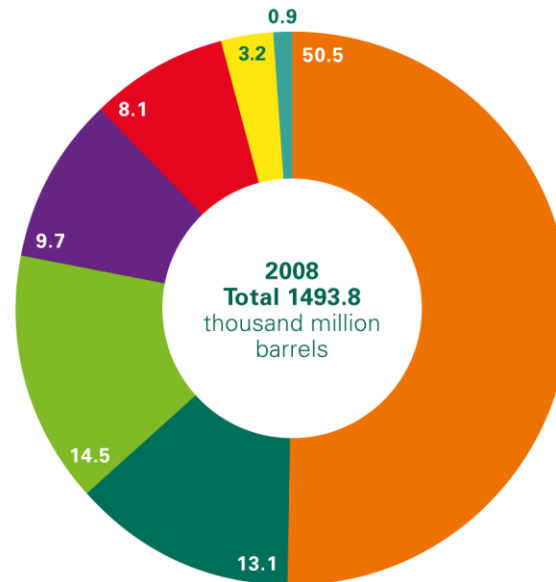
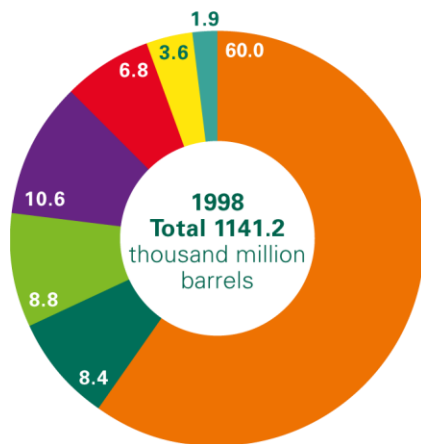




Distribution of proved oil reserves: 1997, 2007 and 2018

Percentage

- Middle East
- S. & Cent. America
- North America
- CIS
- Africa
- Asia Pacific
- Europe

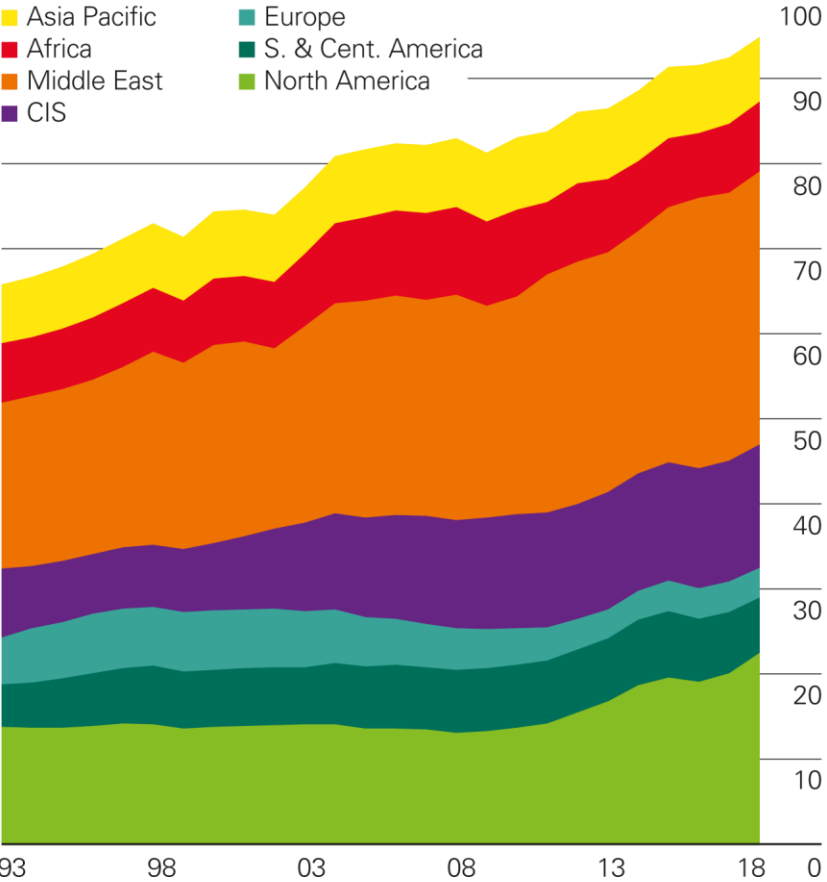




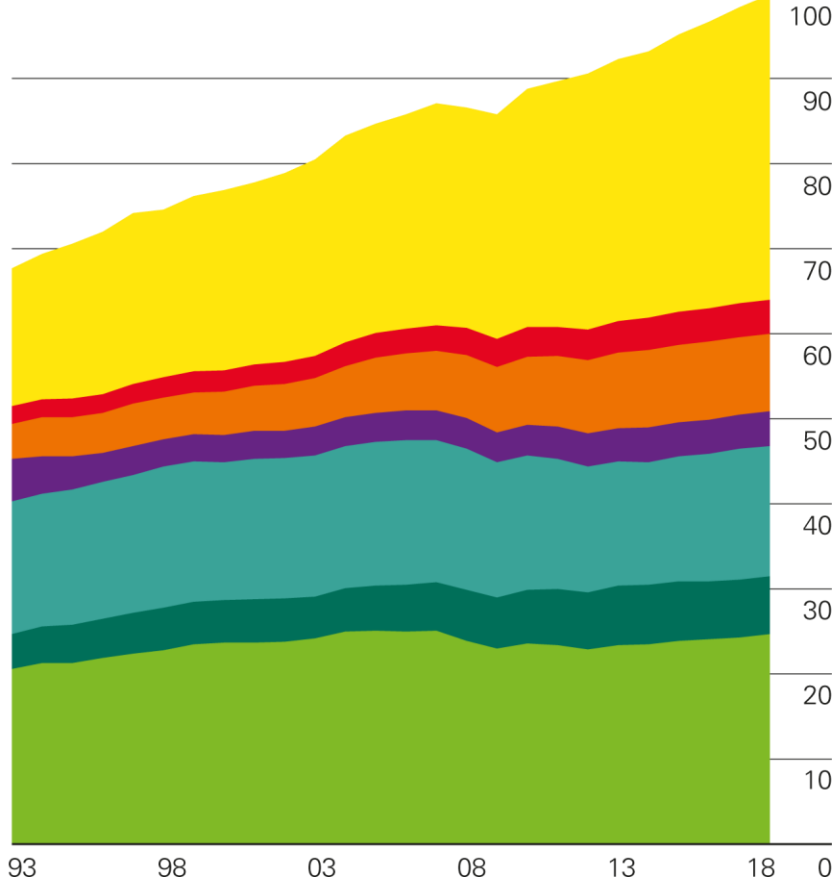
Oil production/consumption by region

Million barrels daily

Production by region

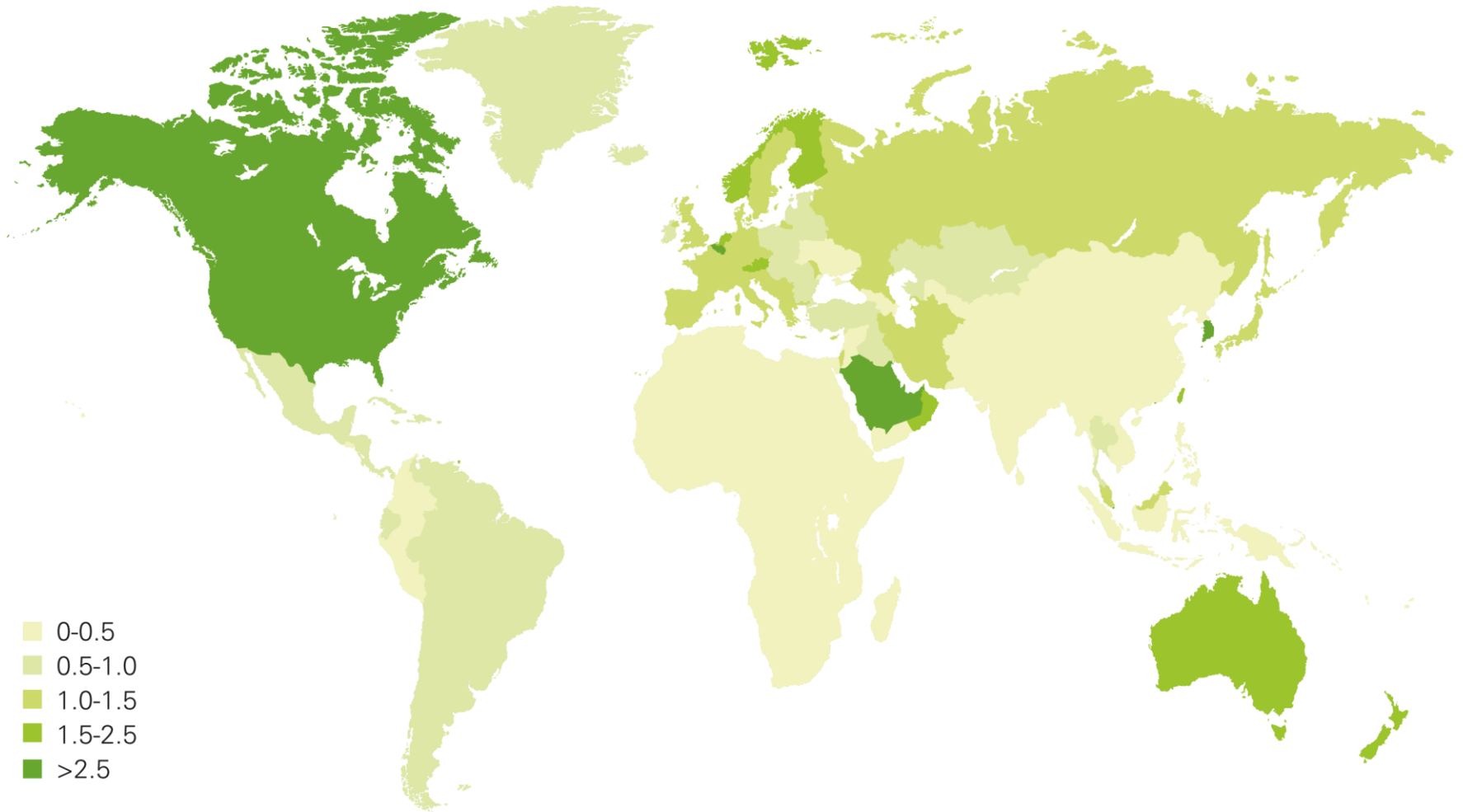


Consumption by region



Oil consumption per capita 2018

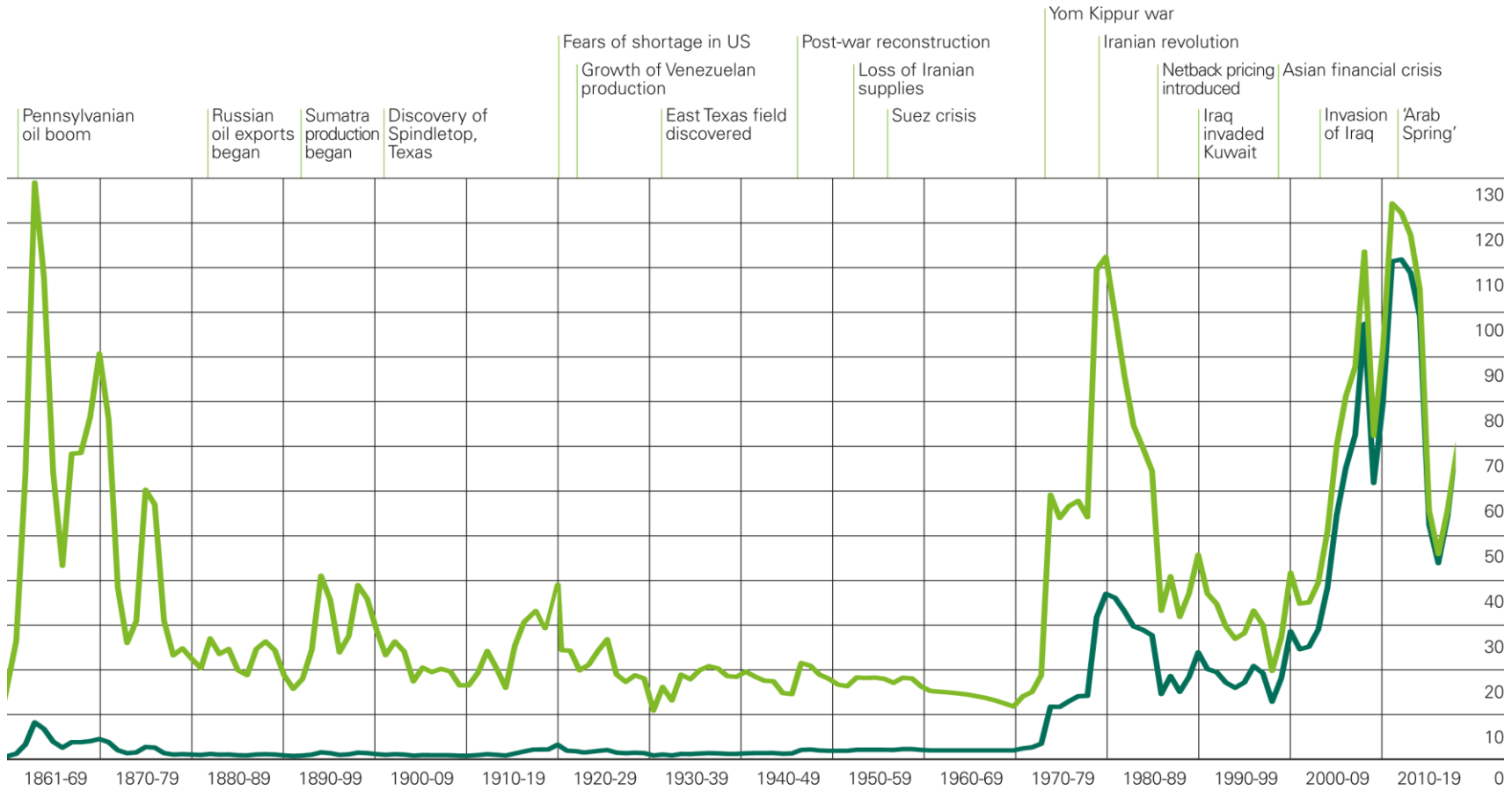
Tonnes





Crude oil prices 1861-2018

US dollars per barrel, world events



■ \$ 2018 (deflated using the Consumer Price Index for the US)
 ■ \$ money of the day

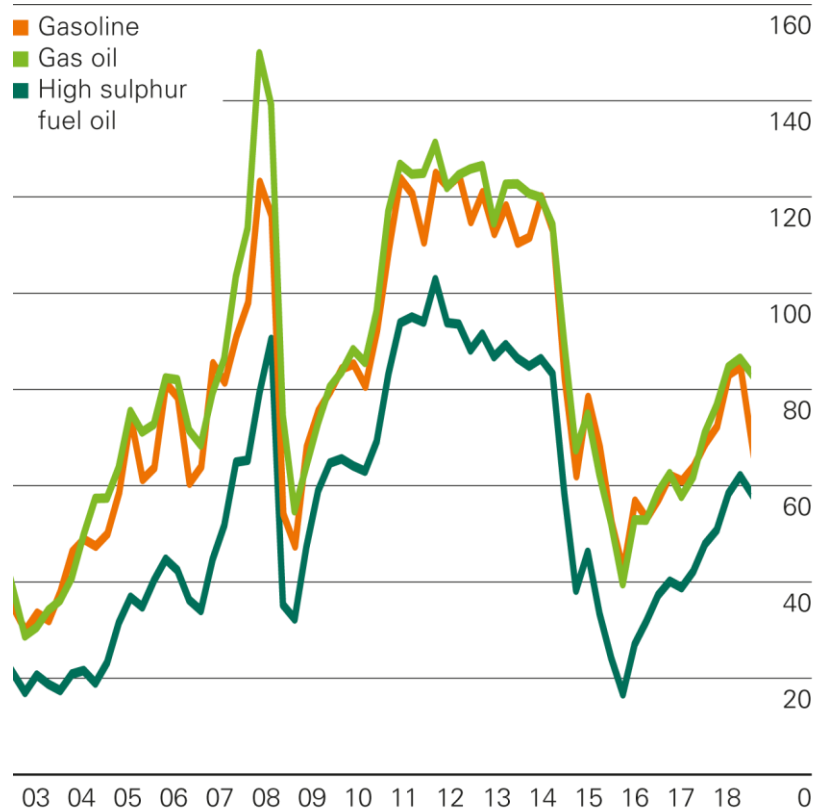
1861-1944 US average.
 1945-1983 Arabian Light posted at Ras Tanura.
 1984-2018 Brent dated.



Rotterdam product prices and differentials to crude

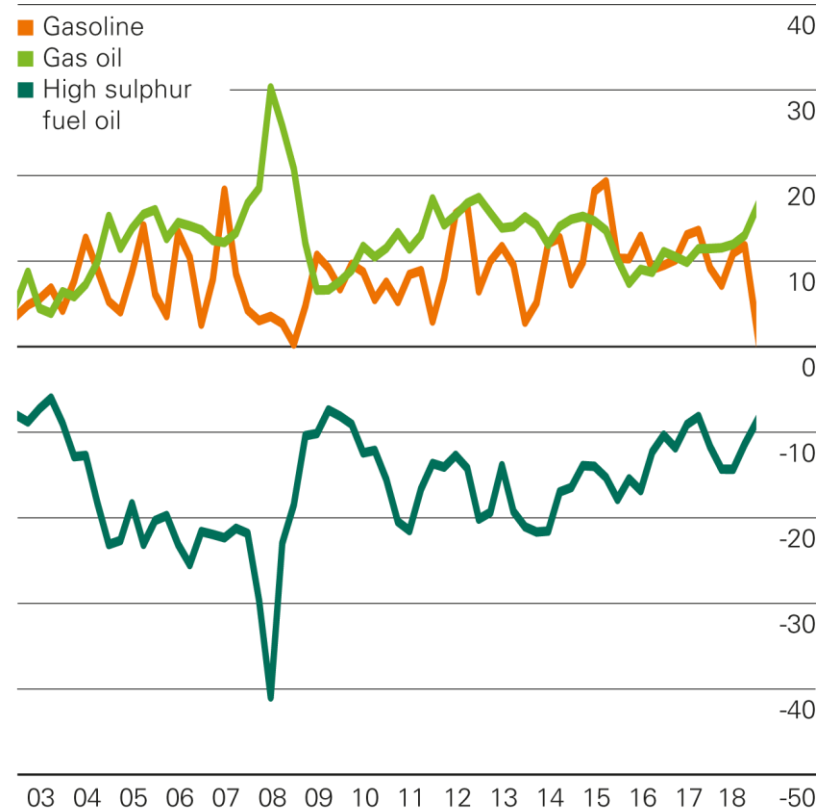
US dollars per barrel

Oil product prices (Rotterdam)



Source: S&P Global Platts, © 2019, S&P Global Inc.

Product differentials to crude (Rotterdam products minus Dated Brent)

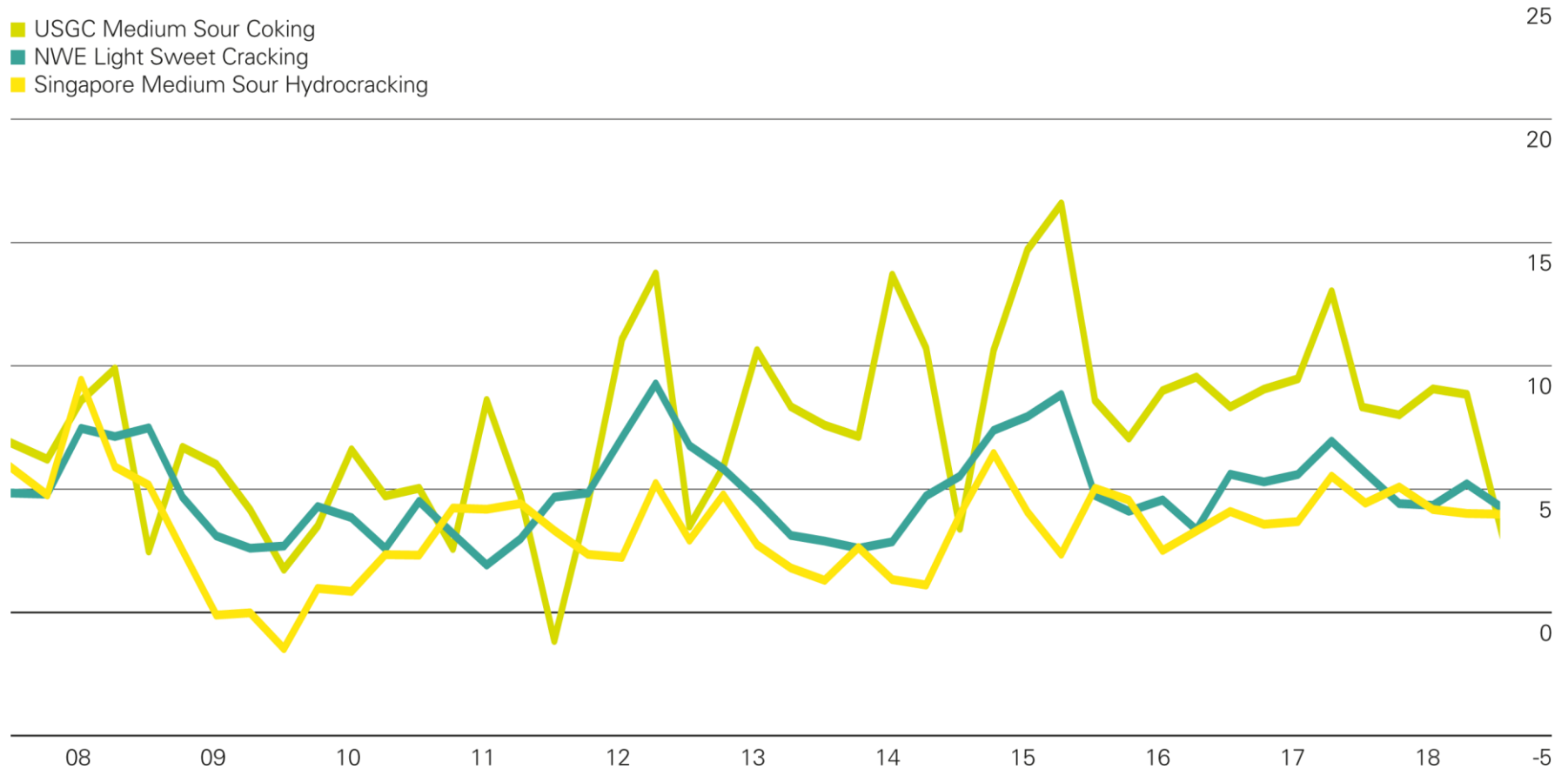


Source: S&P Global Platts, © 2019, S&P Global Inc.



Regional refining margins

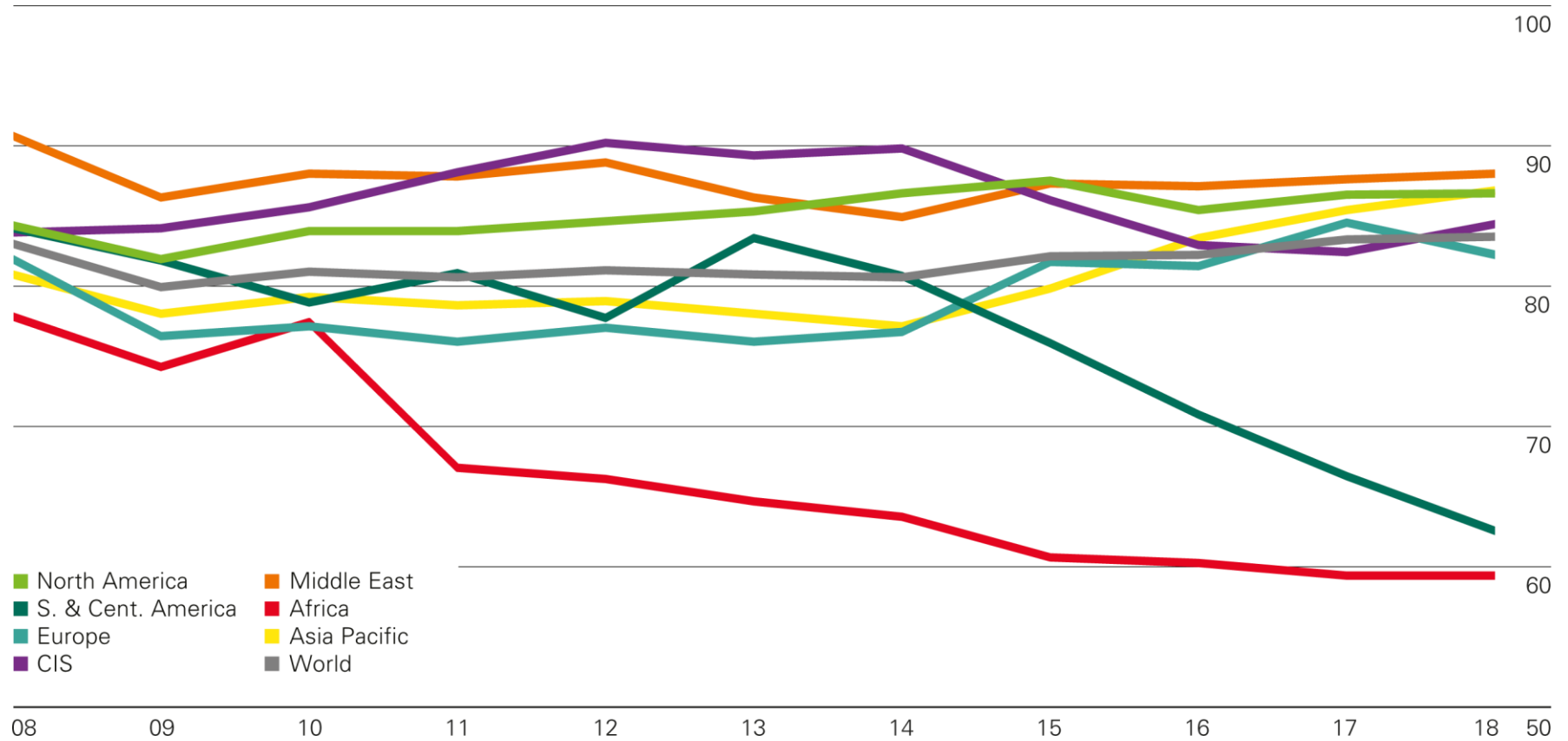
US dollars per barrel





Refinery utilization

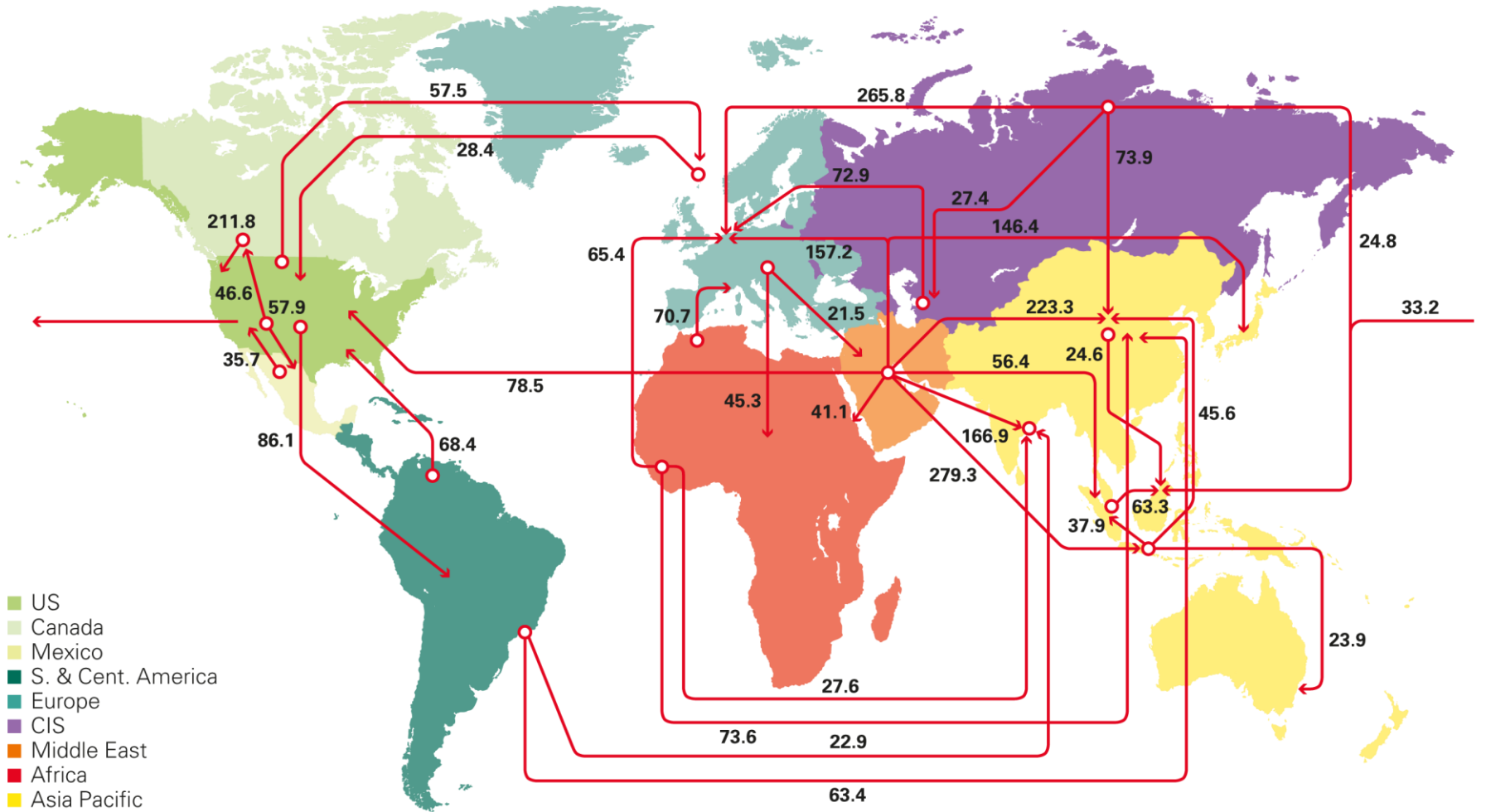
Percentage (based on average annual capacity)





Major oil trade movements 2018

Trade flows worldwide (million tonnes)



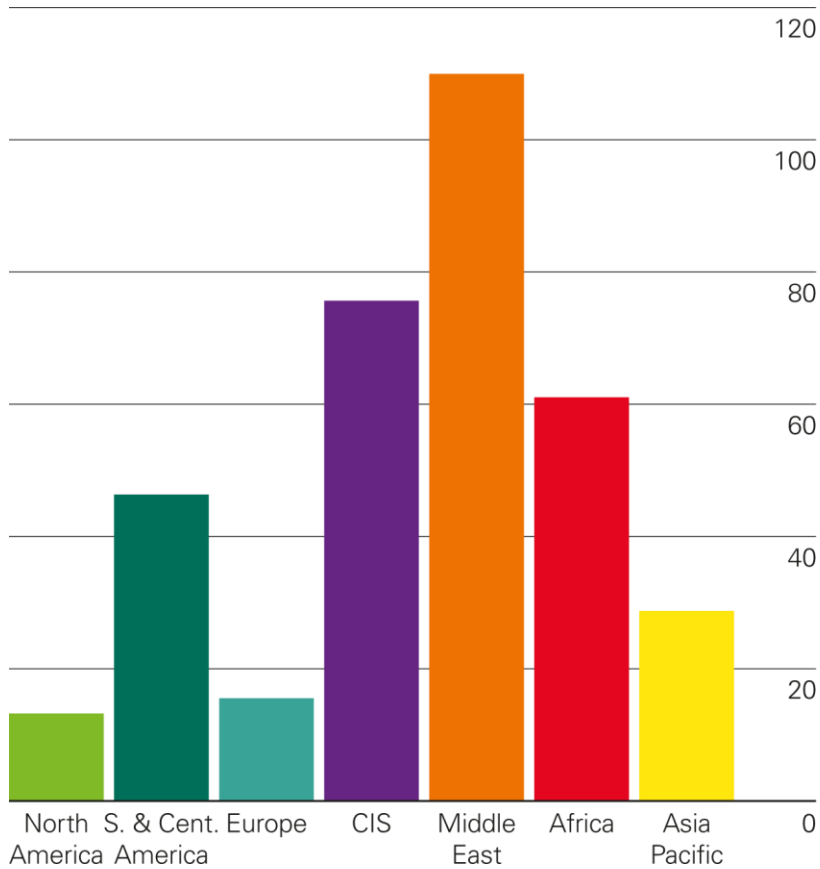
Natural gas



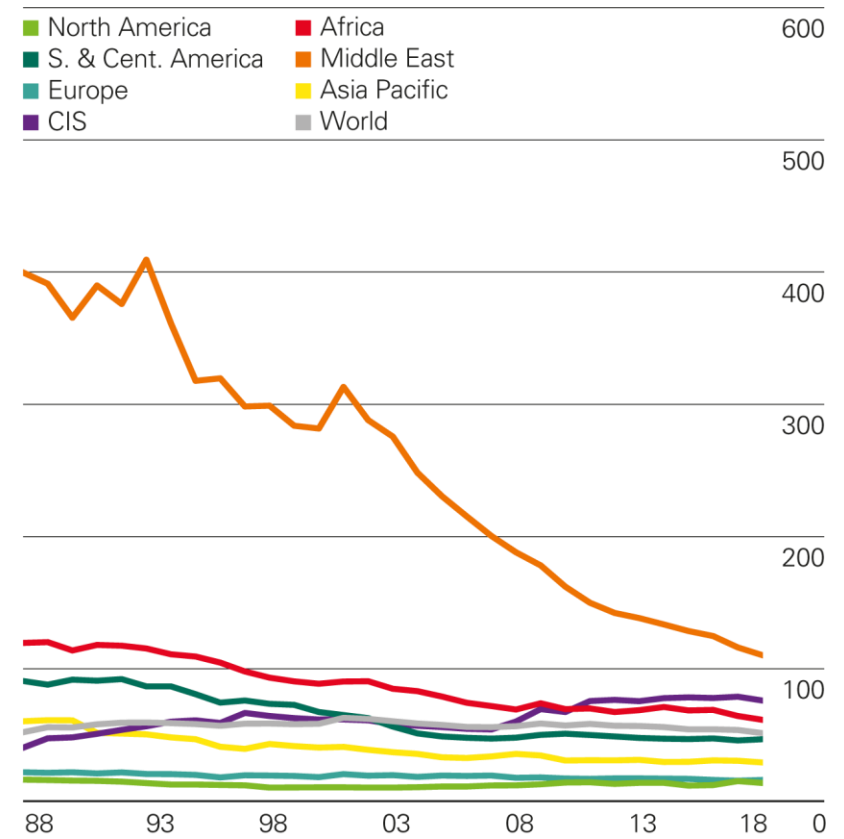
Gas reserves-to-production (R/P) ratios

Years

2018 by region



History

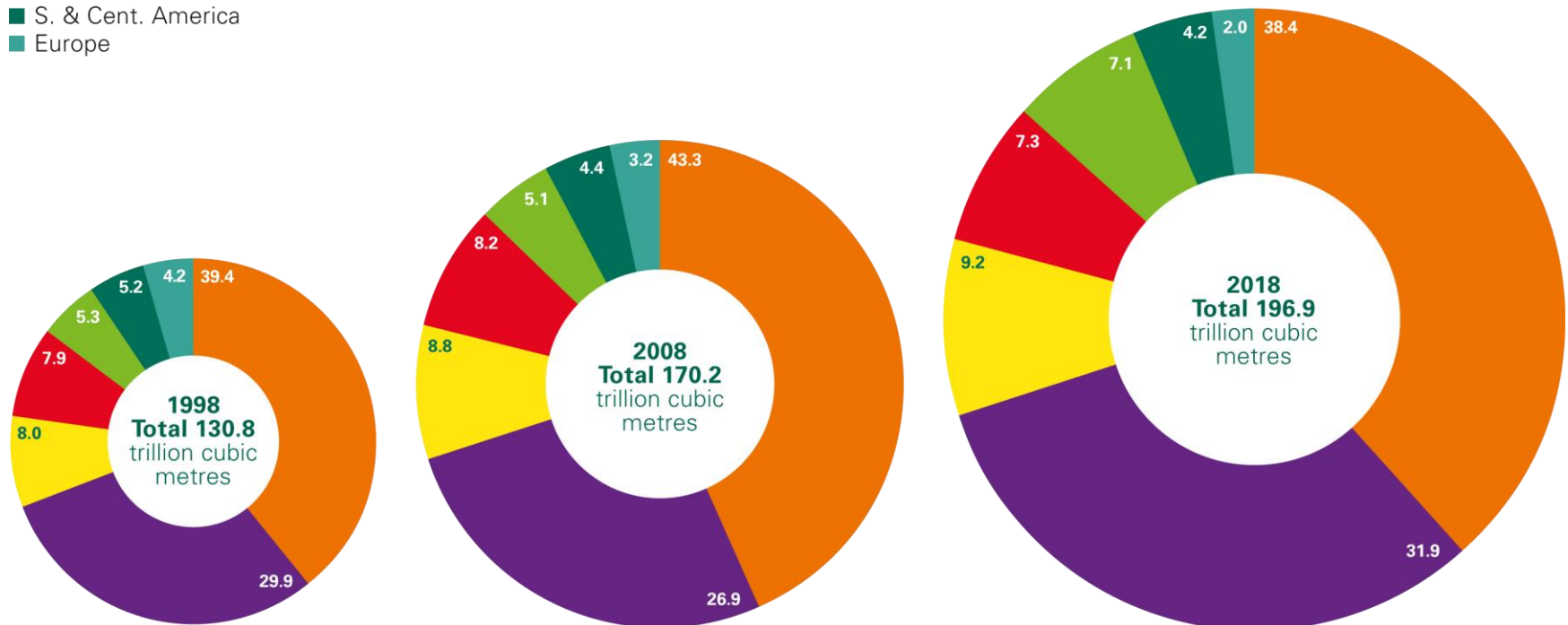




Distribution of proved gas reserves: 1998, 2008 and 2018

Percentage

- Middle East
- CIS
- Asia Pacific
- Africa
- North America
- S. & Cent. America
- Europe

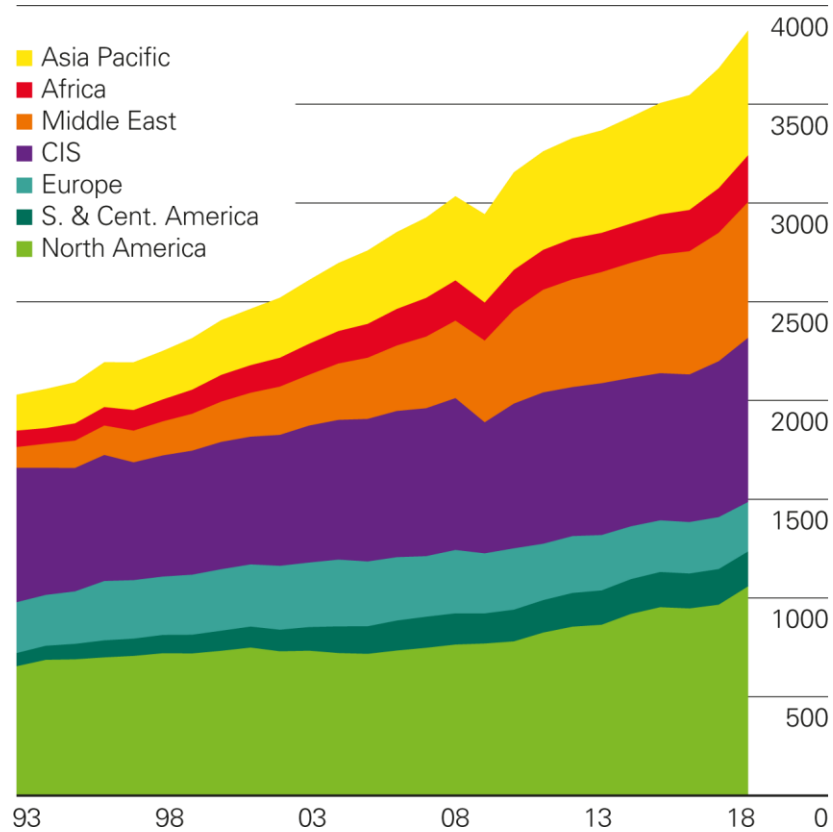




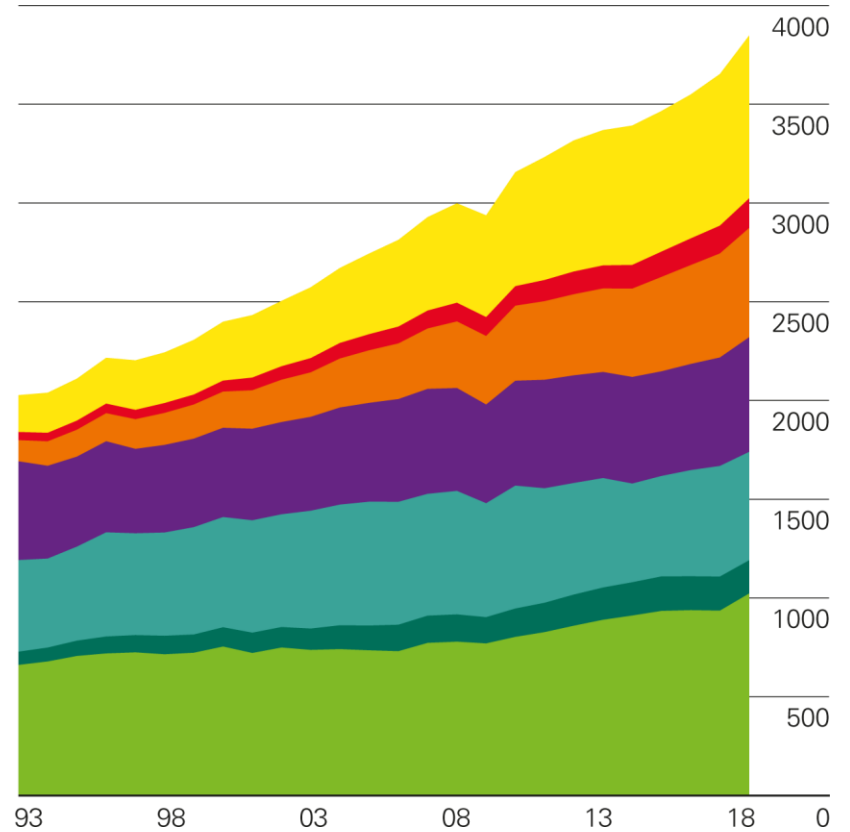
Gas production/consumption by region

Billion cubic metres

Production by region



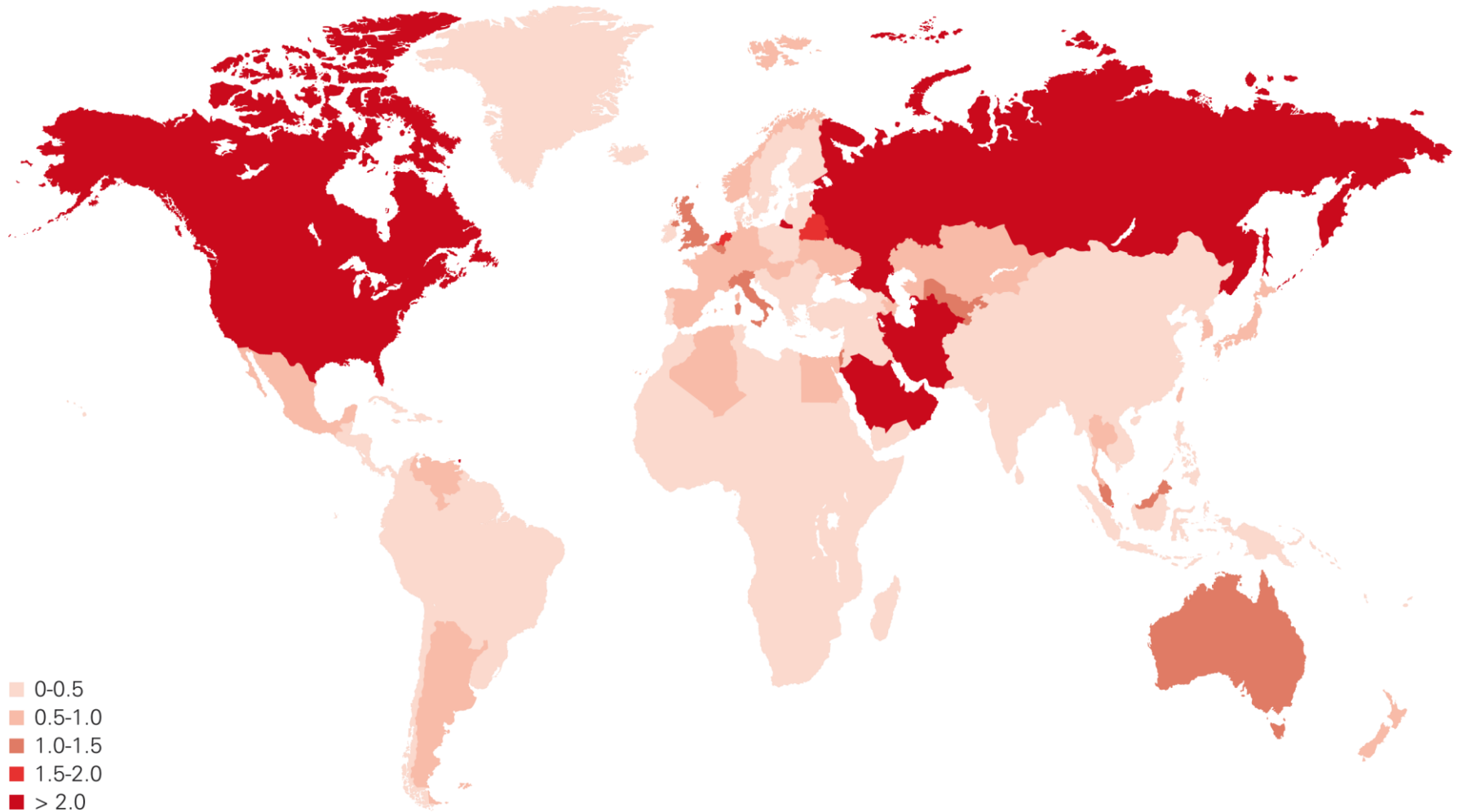
Consumption by region





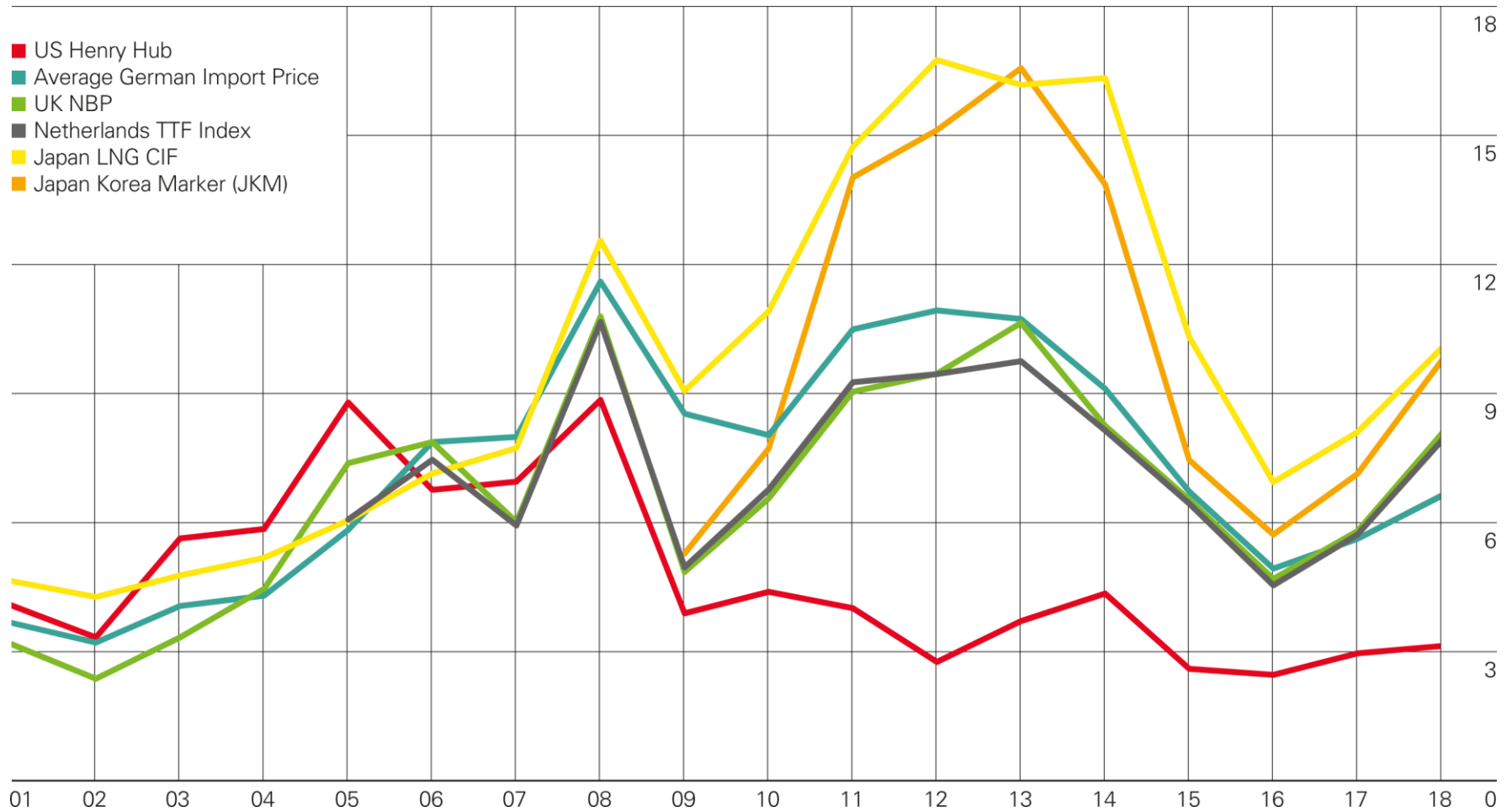
Gas consumption per capita 2018

Million tonnes oil equivalent



Gas prices

\$/mmBtu

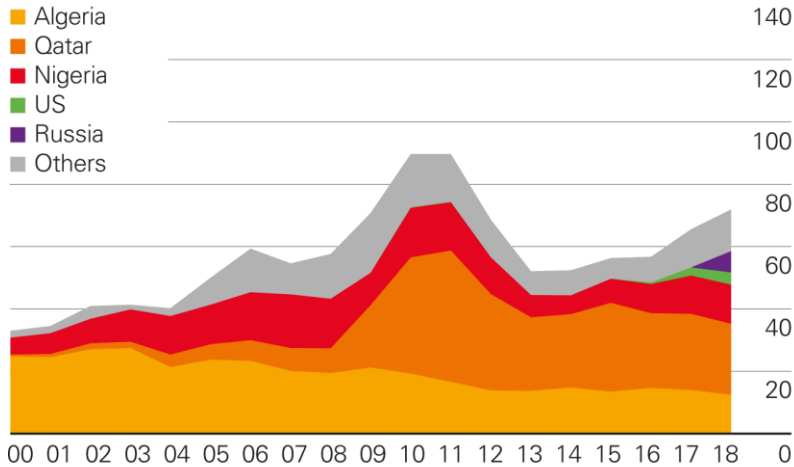




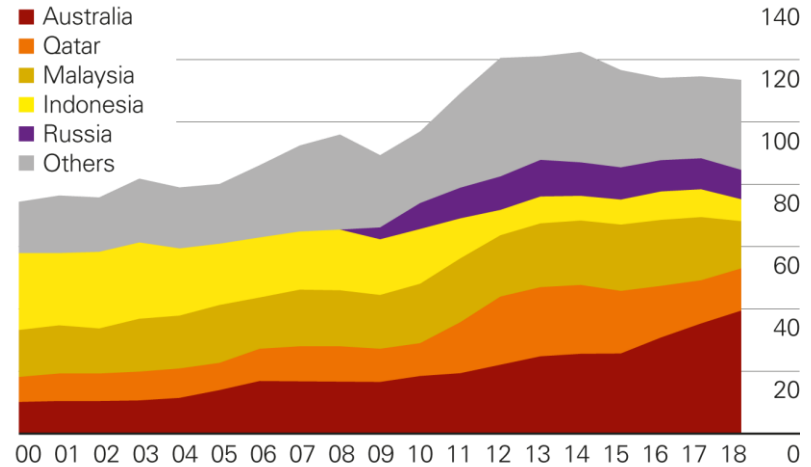
LNG imports by source

Billion cubic metres

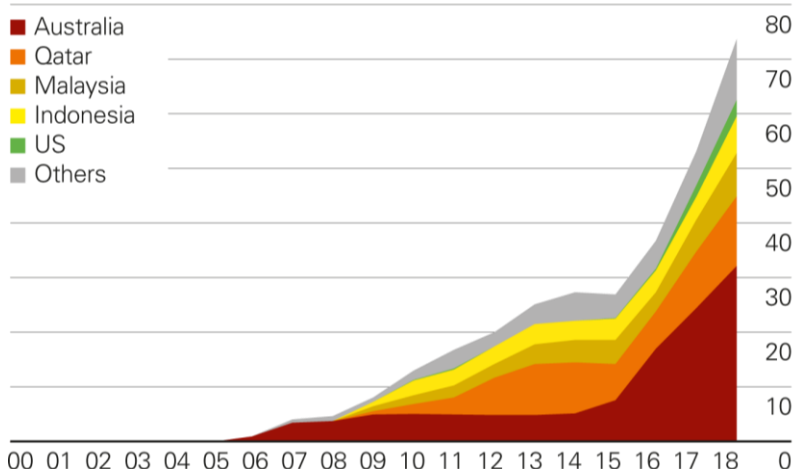
Europe



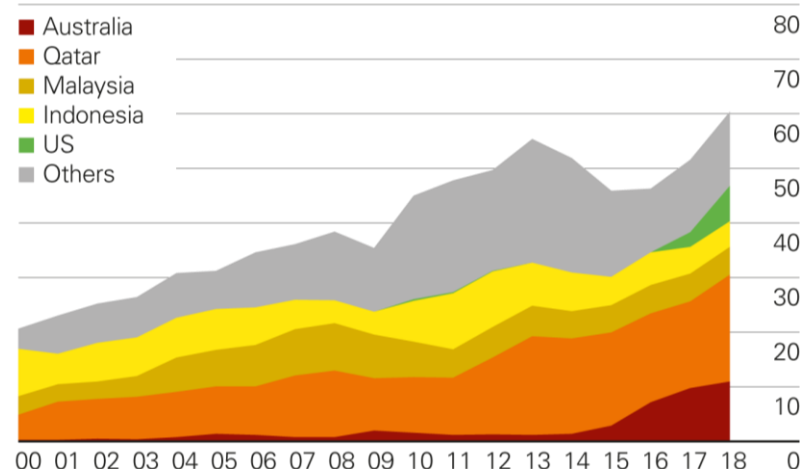
Japan



China



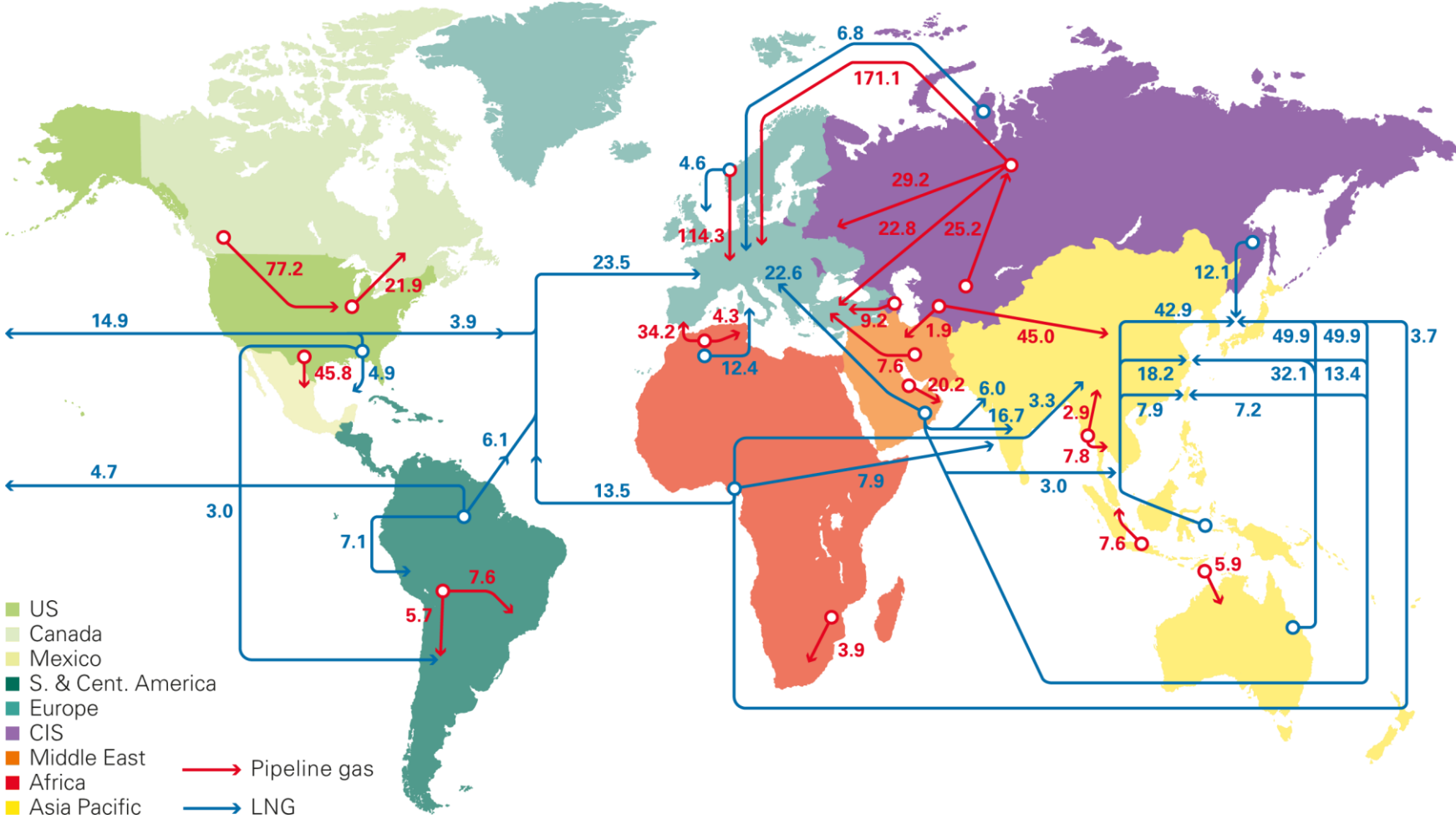
South Korea





Major gas trade movements 2018

Trade flows worldwide (billion cubic metres)



Source: Includes data from FGE MENAgas service, IHS.

Coal

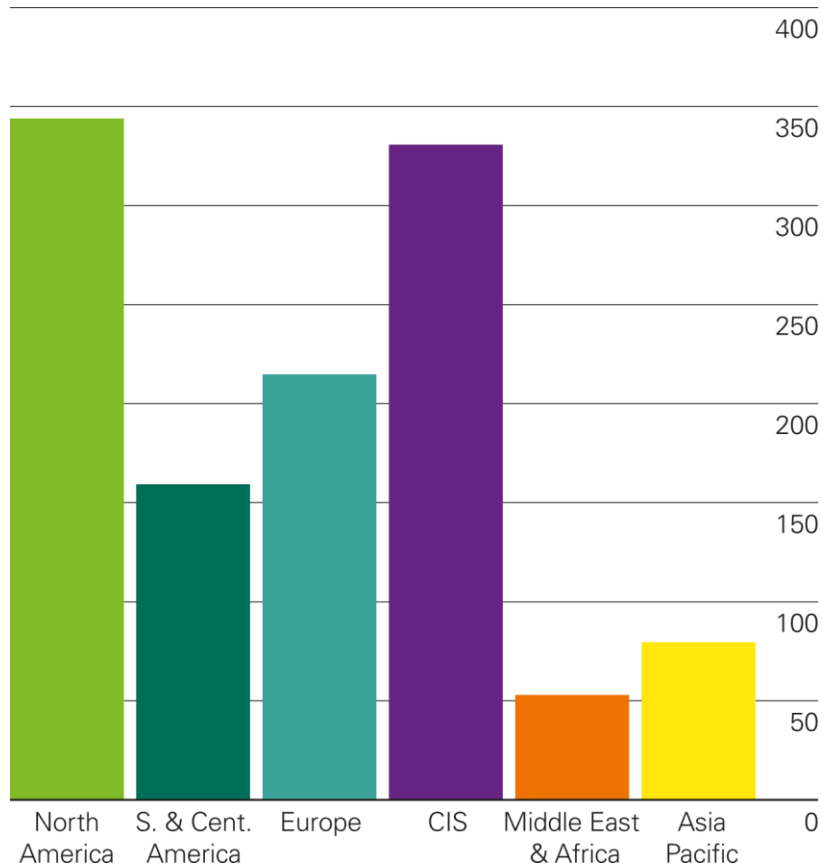




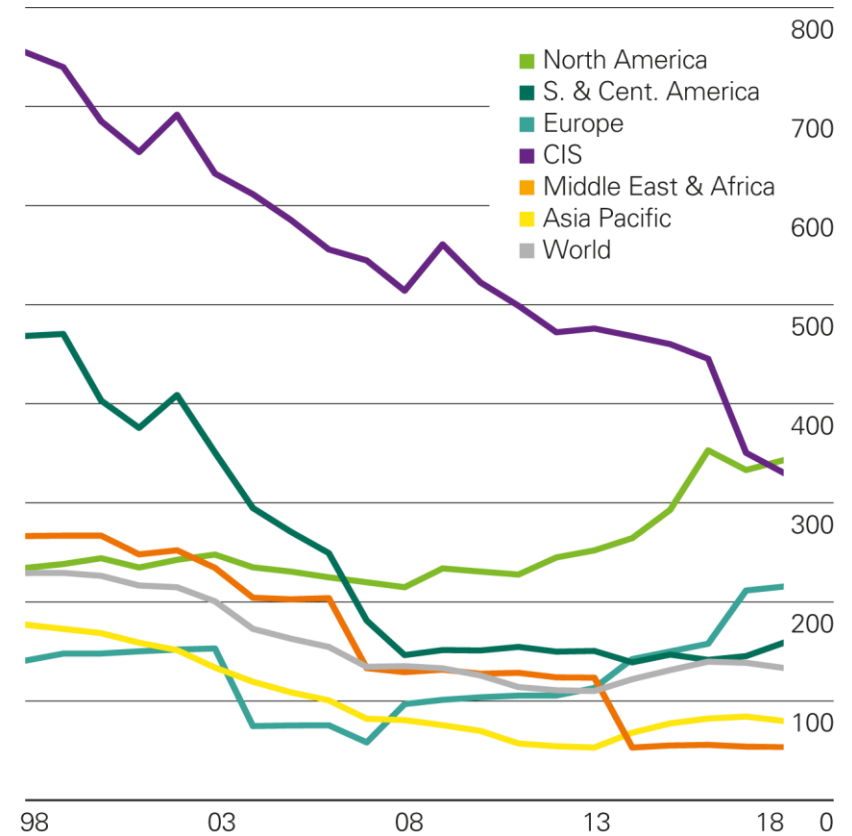
Coal reserves-to-production (R/P) ratios

Years

2018 by region



History

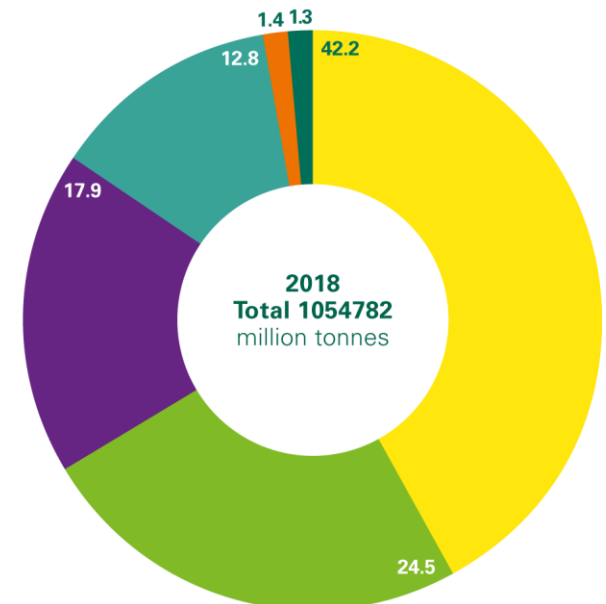
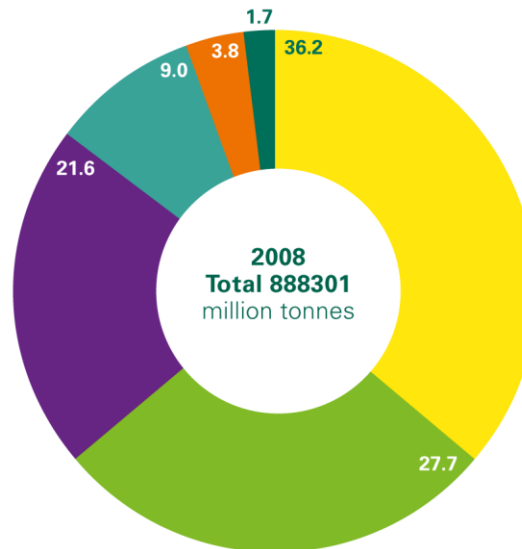
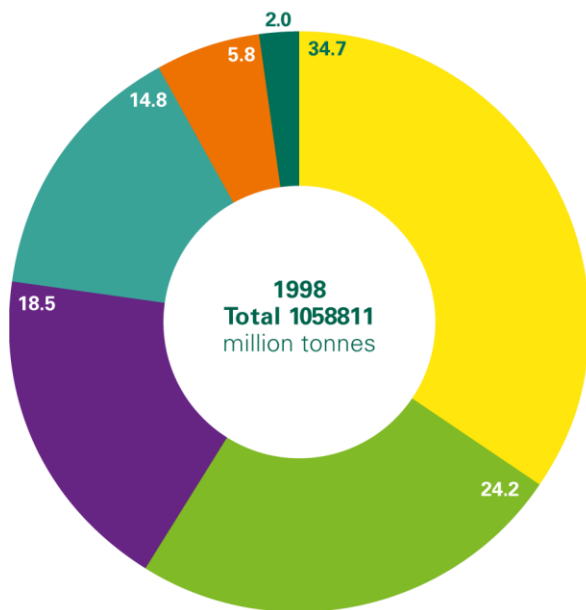




Distribution of proved coal reserves: 1998, 2008 and 2018

Percentage

- Asia Pacific
- North America
- CIS
- Europe
- Middle East & Africa
- S. & Cent. America

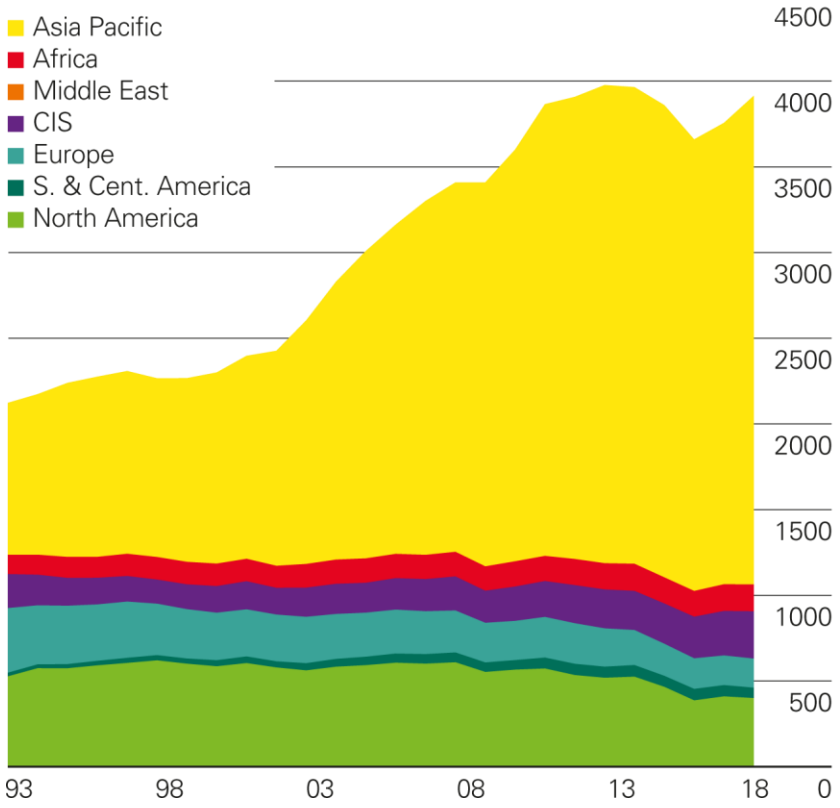




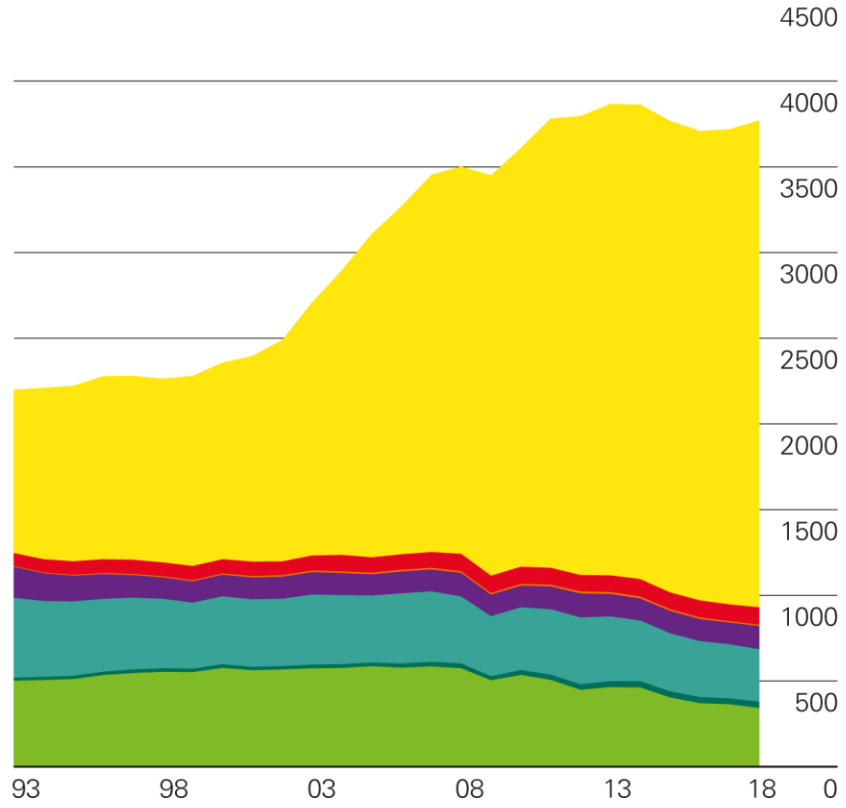
Coal production/consumption by region

Million tonnes oil equivalent

Production by region

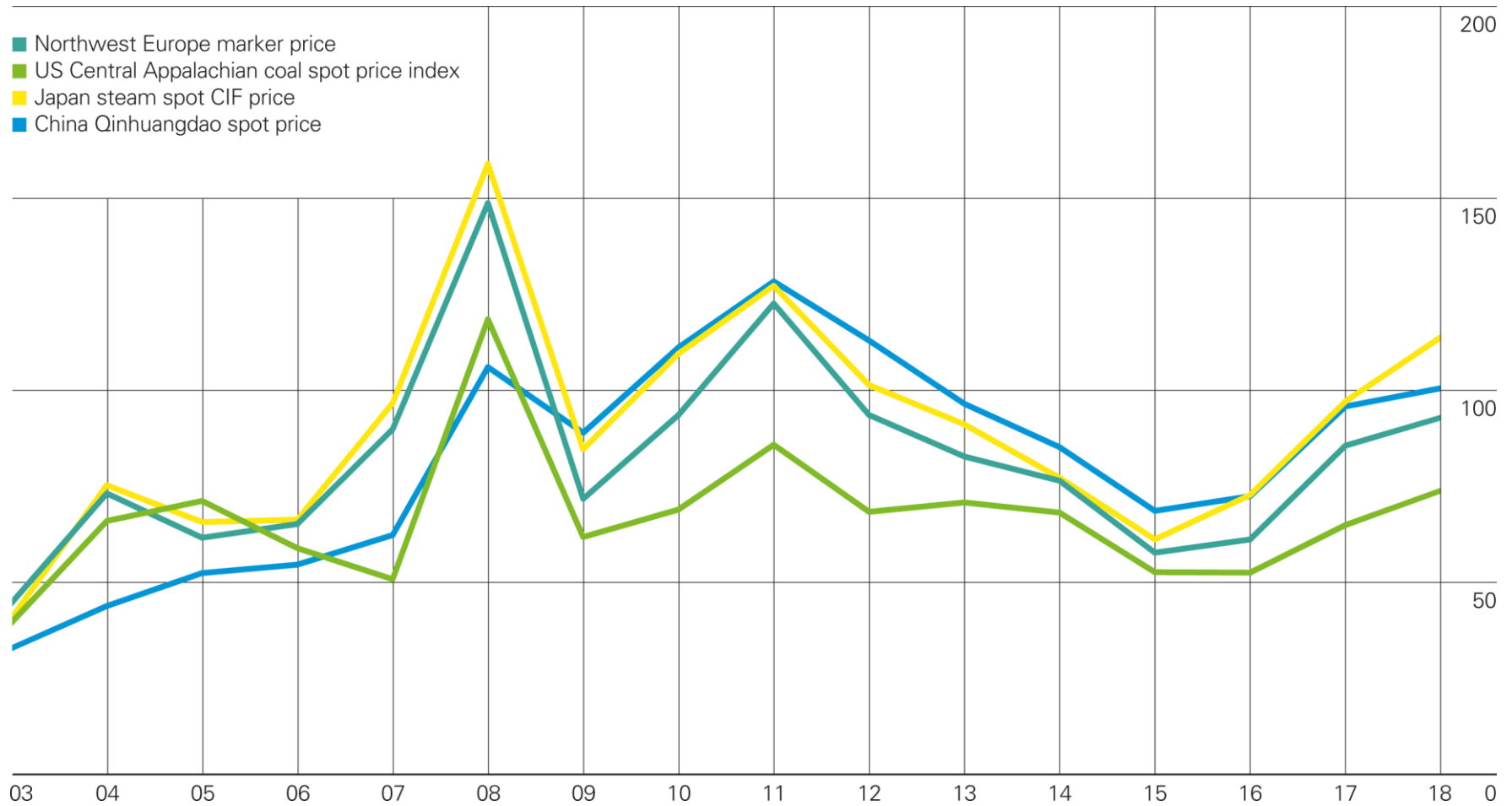


Consumption by region



Coal prices

US dollars per tonne

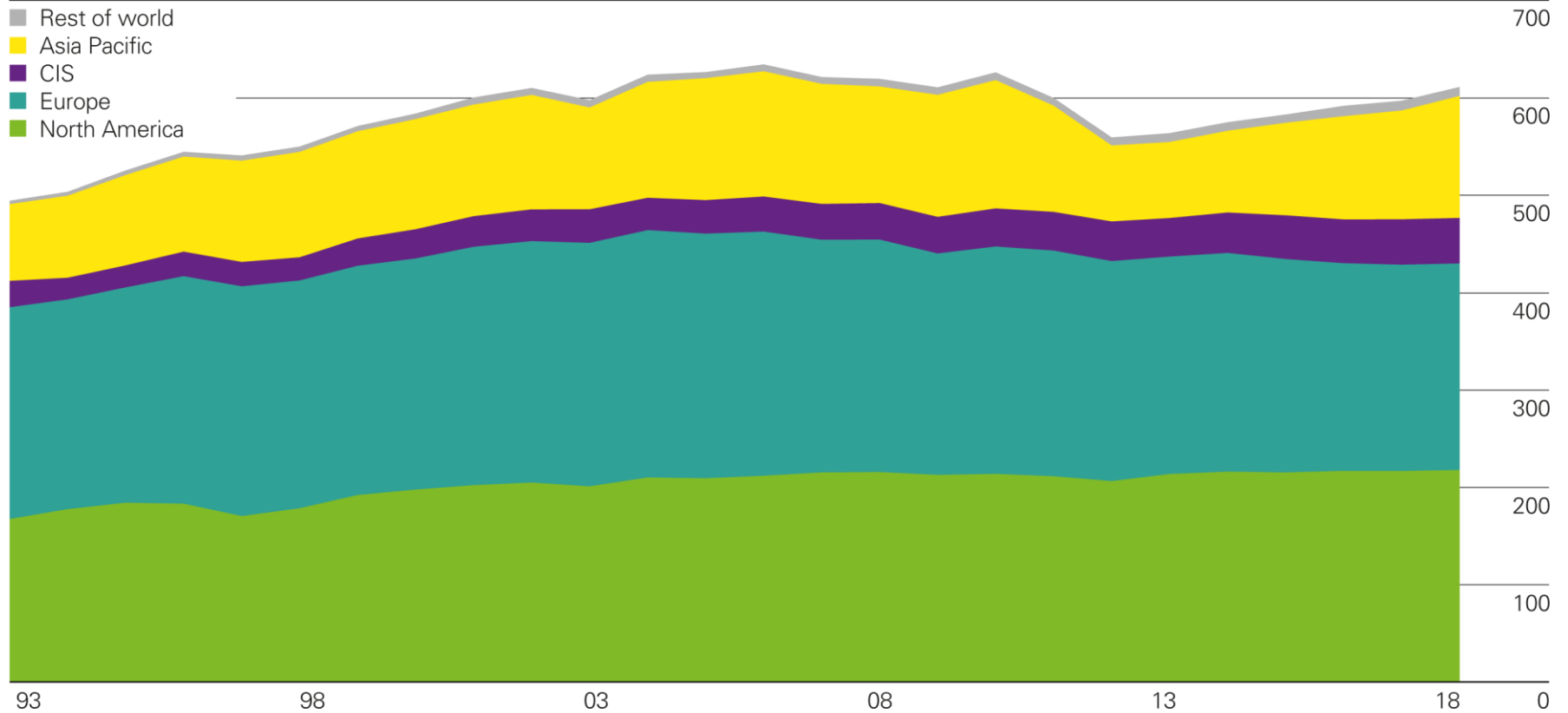


Nuclear energy



Nuclear energy consumption by region

Million tonnes oil equivalent

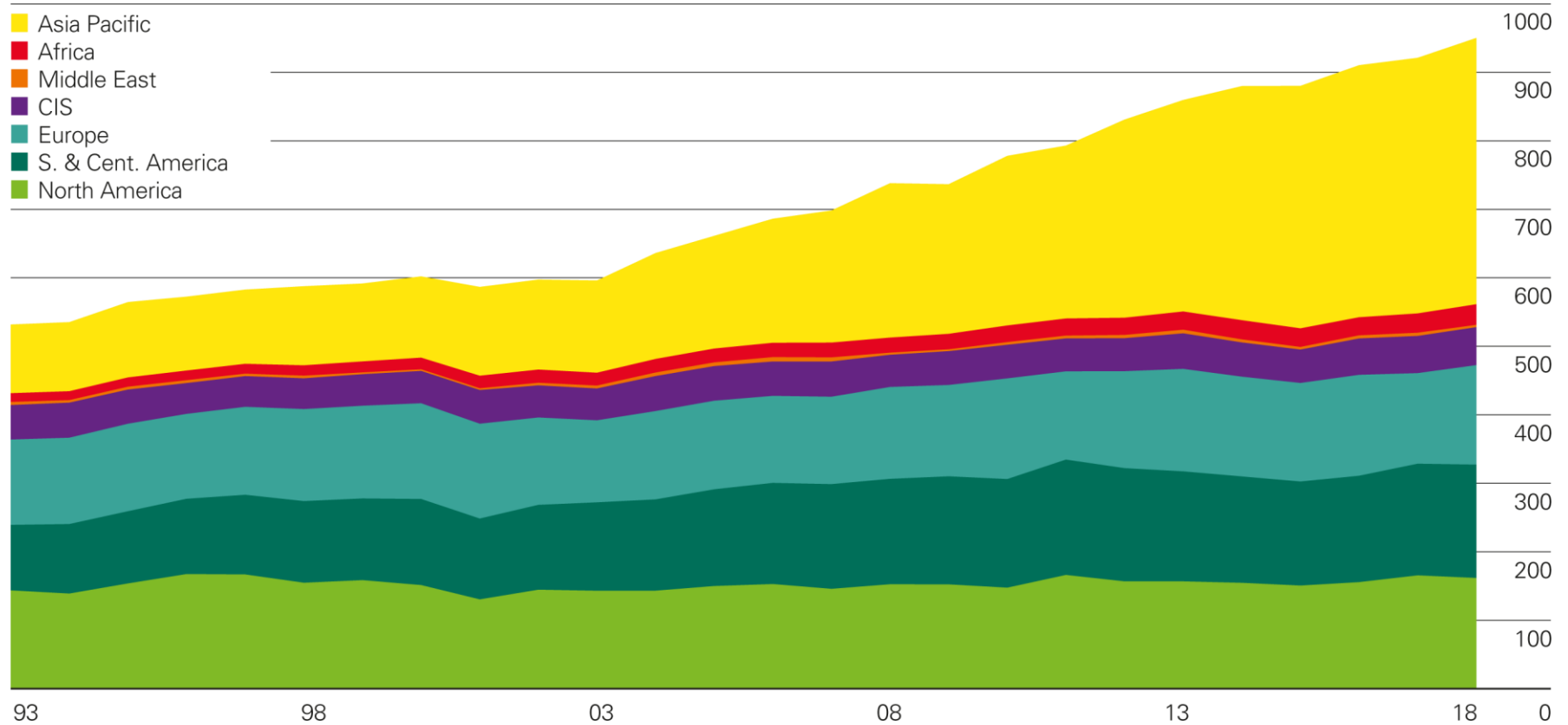


Hydroelectricity



Hydroelectricity consumption by region

Million tonnes oil equivalent



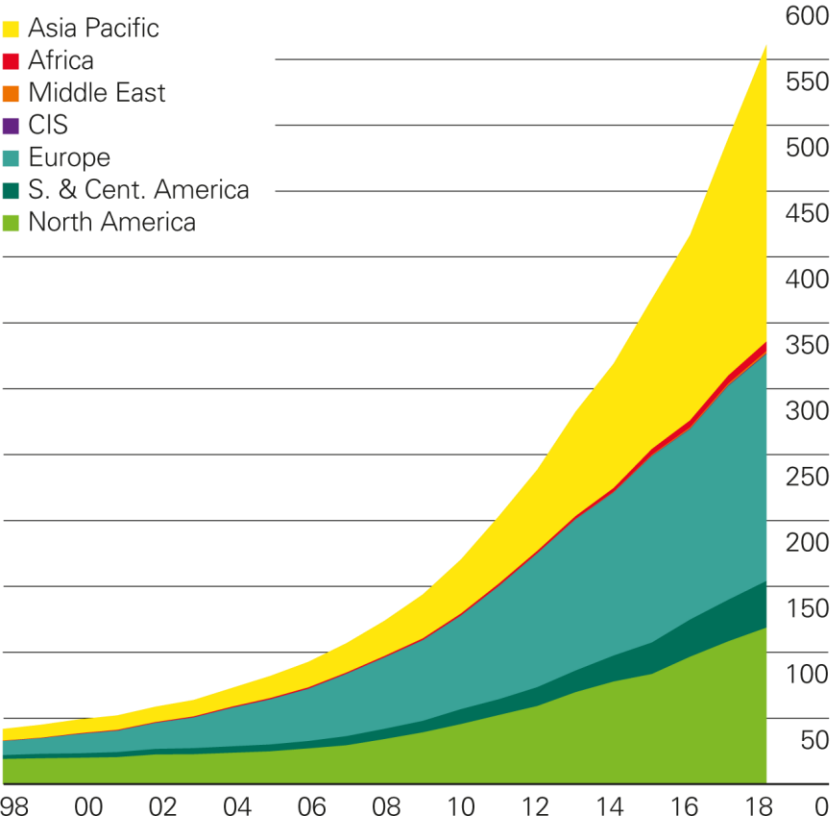
Renewable energy



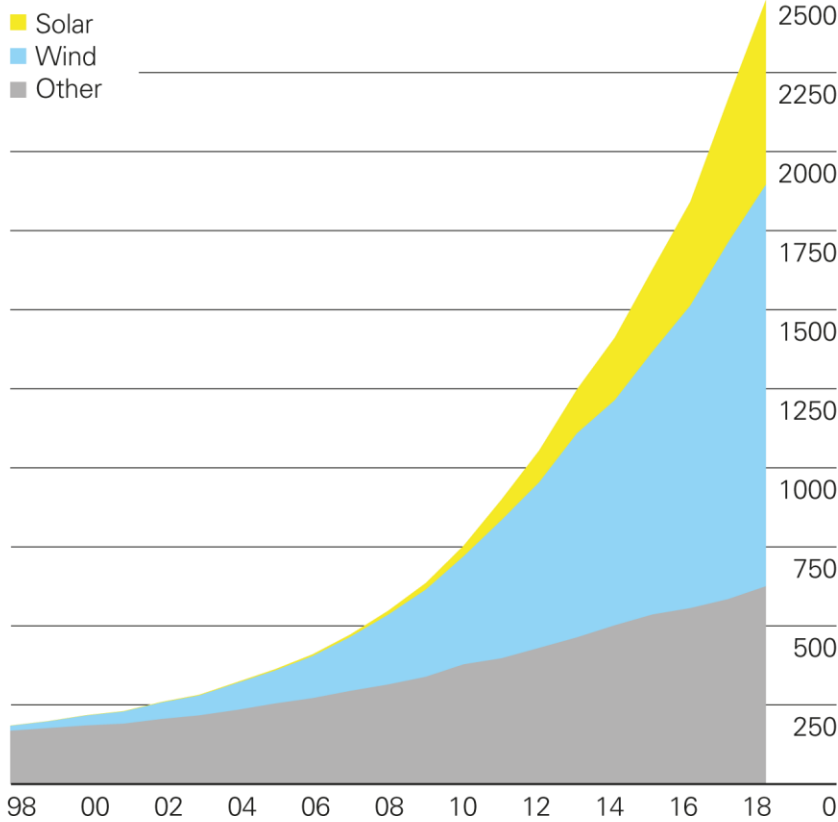


Renewable energy consumption by region/ generation by source

Renewables consumption by region
Million tonnes oil equivalent



Renewables generation by source
Terawatt-hours

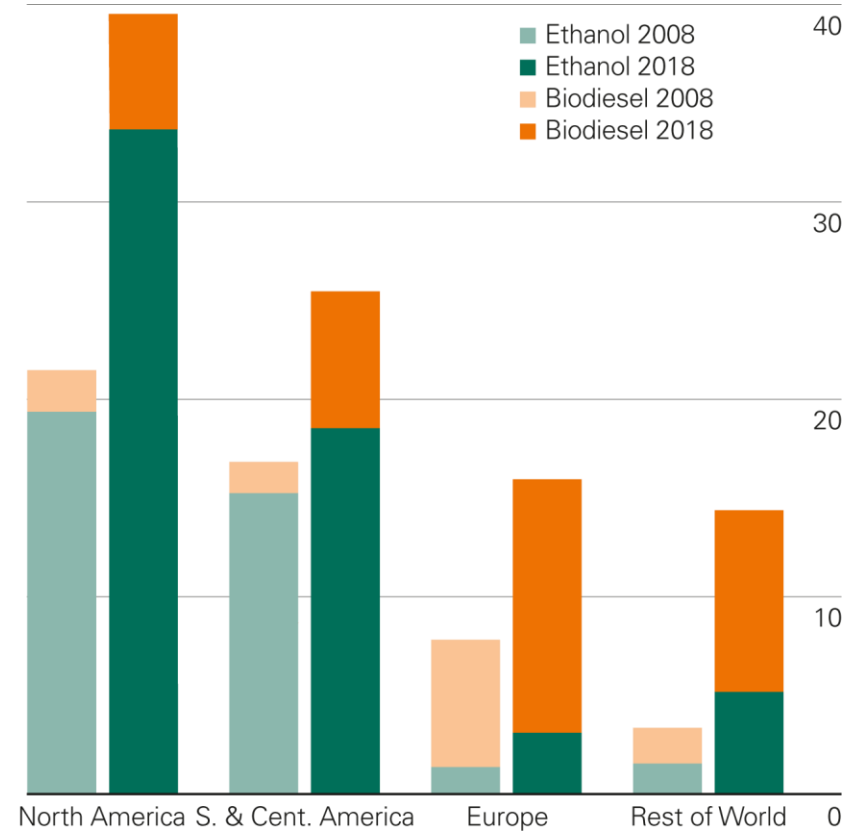
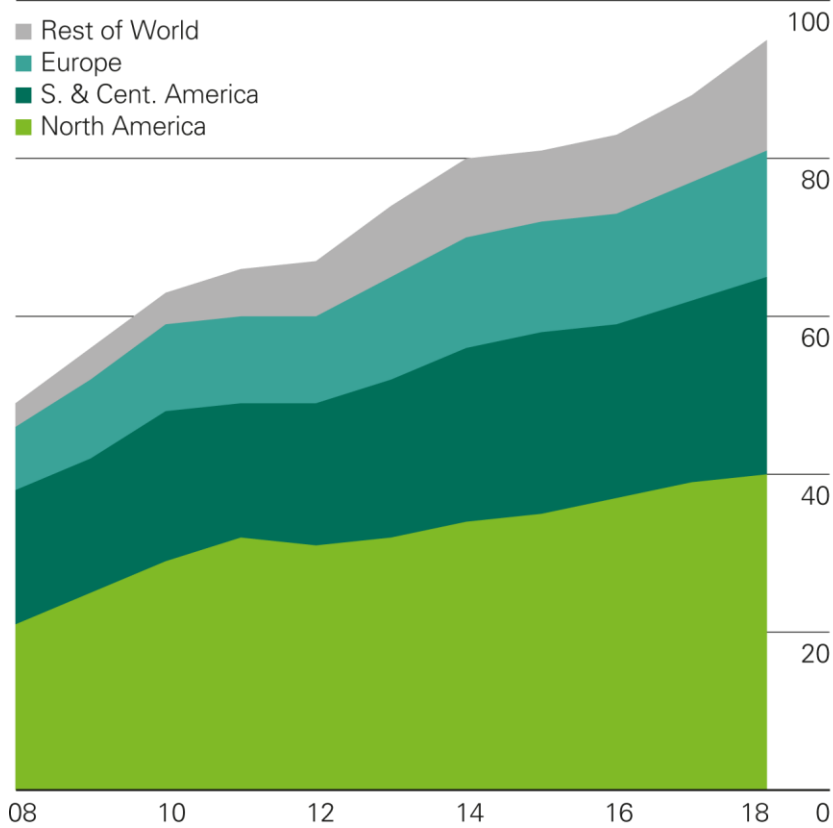




Biofuels production by region

Million tonnes oil equivalent

World biofuels production



Electricity

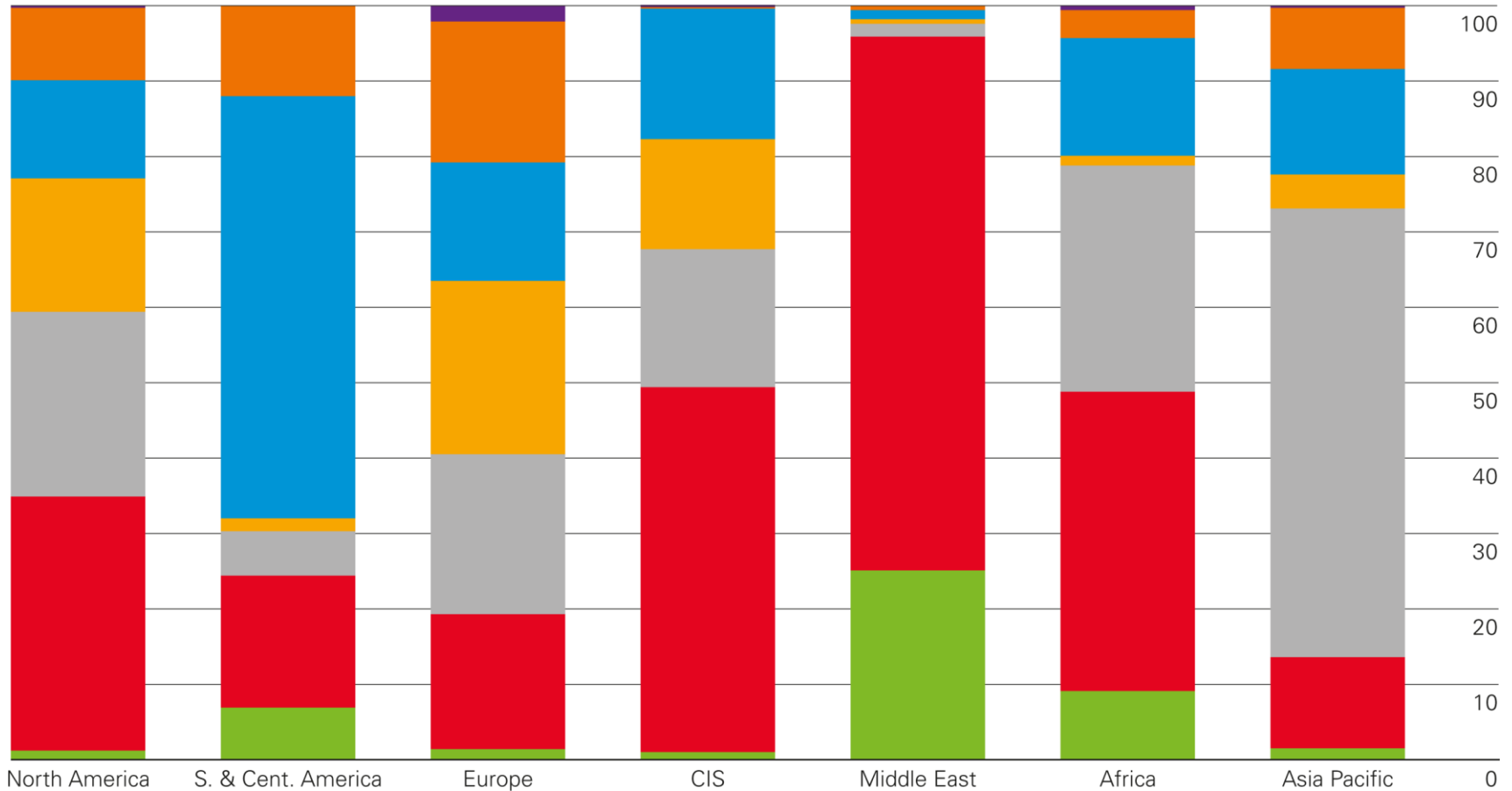




Regional electricity generation by fuel 2018

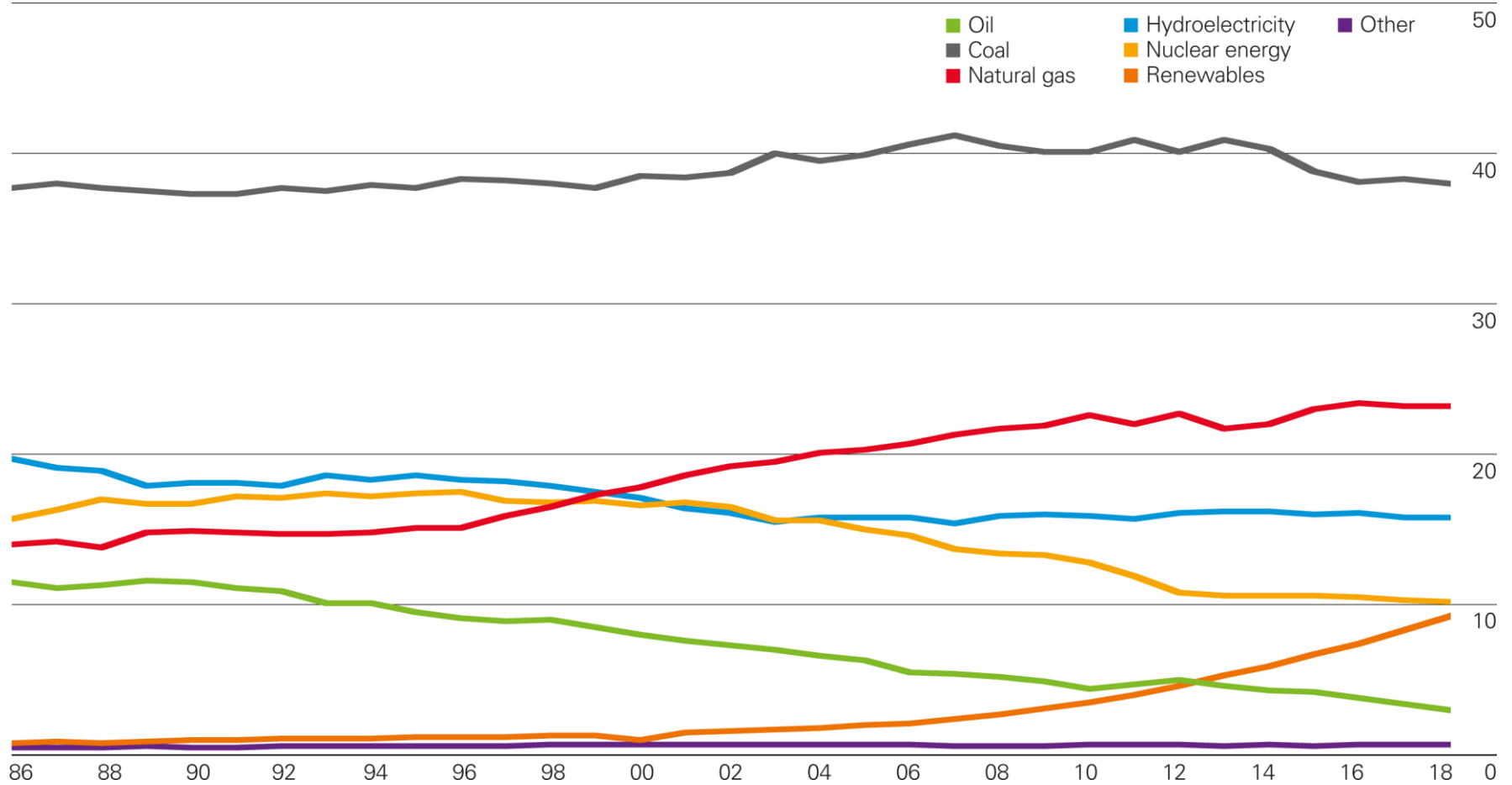
Percentage

- Oil
- Natural gas
- Coal
- Nuclear
- Hydroelectricity
- Renewables
- Other (includes sources not specified elsewhere e.g. pumped hydro, non-renewable waste and statistical differences)



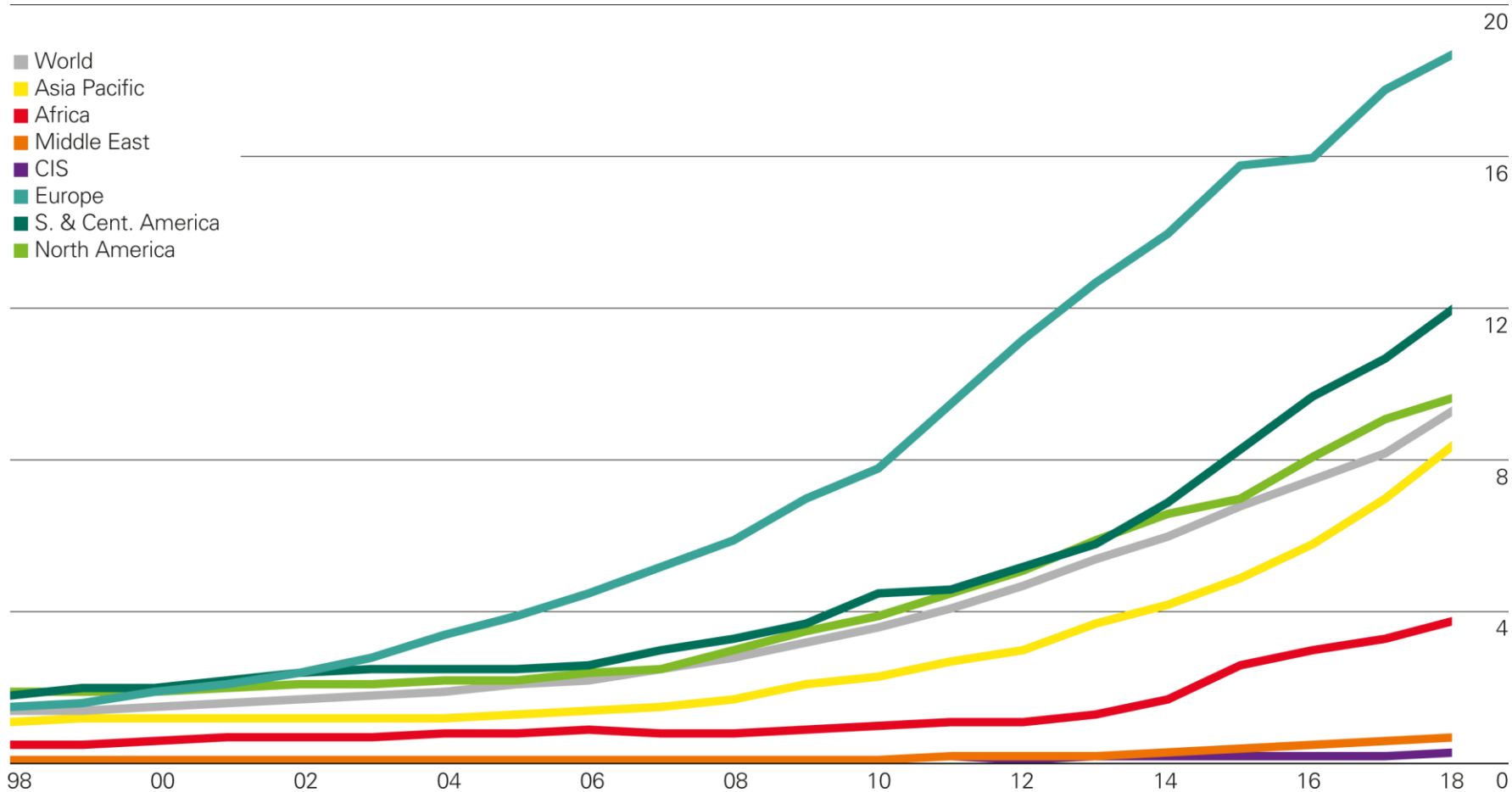
Share of global electricity generation by fuel

Percentage



Renewables share of power generation by region

Percentage



Key minerals for the changing energy system

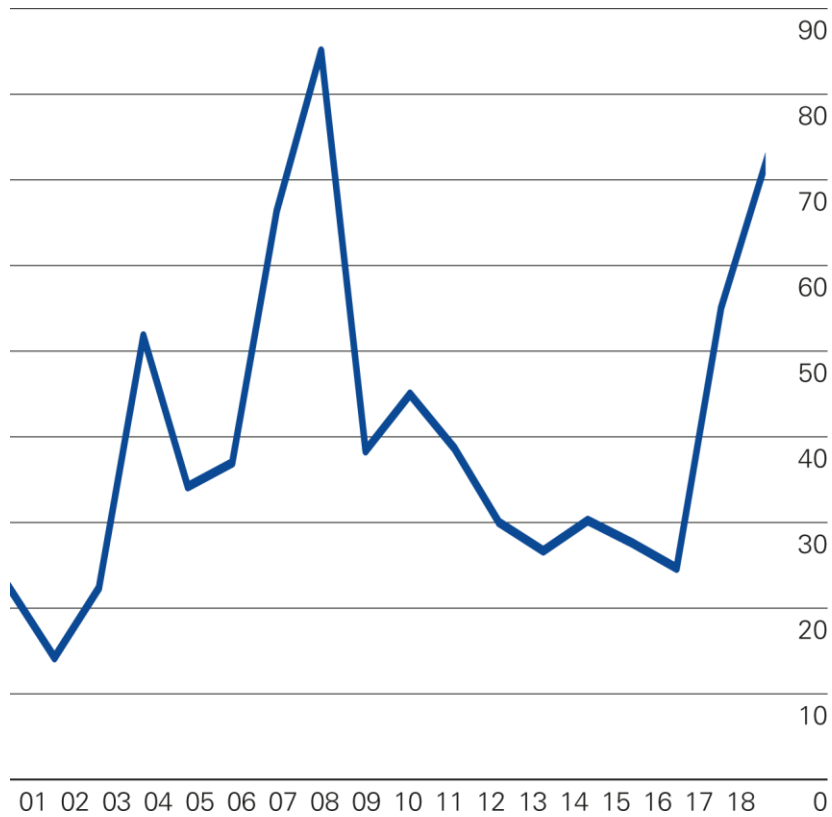


Key minerals prices



Cobalt prices

Thousands of US dollars per tonne



Lithium carbonate prices

Thousands of US dollars per tonne

