

## 6.3 OVERVIEW OF GERMANY AND THE SURVEYED COUNTRIES



Germany

Surface area: **357,050 km<sup>2</sup>**  
 Population: **81.831 million**  
 Gross domestic product: **2,570.8 billion euros** (2011)  
 Share of renewable energies in primary energy consumption in 2010: **9.9%**

### Energy and climate-policy aims

- To reduce harmful greenhouse gases by 40% below 1990 (base-year) levels by 2020, 55% by 2030, 70% by 2040, and 80 to 95% by 2050.
- Primary energy consumption should fall by 20% by 2020, and by 50% by 2050.
- Energy efficiency should increase by 2.1% each year in relation to final energy consumption.
- Energy consumption should fall by 10% compared with 2008 levels by 2020, and by 25% by 2050.
- With regard to buildings, heating demand should be reduced by 20% compared to 2008 levels by 2020, while primary energy consumption should decrease by 80% by 2050.
- Renewable energies should provide an 18% share of gross final energy consumption by 2020. This should increase to 30% by 2030, 45% by 2040, and 60% by 2050.
- Renewable energies should provide a 35% share of gross energy consumption by 2020. This should increase to 50% by 2030, 65% by 2040, and 80% by 2050.



Brazil

Surface area: **8.5 million km<sup>2</sup>** (47% of South America's surface area)  
 Population: **194 million**  
 Gross domestic product: **1,602 billion US dollars** (2009)  
 Share of renewable energies in primary energy consumption in 2010: **43.9%**



China

Chinese territory: **9,597,995 km<sup>2</sup>** (including Taiwan, Hong Kong and Macau)  
 Gross domestic product: approx. **8,250 billion US dollars** (2012)  
 Population: official statistics: **approx. 1.347 billion**  
 Share of renewable energies in primary energy consumption in 2010: **11.5%**



South Africa

Surface area: **1,219,090 km<sup>2</sup>**  
 Population: **51.77 million** (2011)  
 Gross domestic product: **297.16 billion euros** (2012)  
 Share of renewable energies in primary energy consumption in 2010: **10.7%**

(Sources: Federal Foreign Office (<http://www.auswaertiges-amt.de>), Federal Ministry of Economics and Technology (<http://www.bmwi.de>), Federal Ministry for the Environment, Nature Conservation and Nuclear Safety ([www.bmu.de](http://www.bmu.de)))