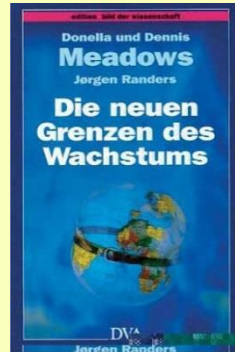


Energy in Brazil and Germany, in Sao Paolo and Bavaria

Thomas Hamacher

Chair for Renewable and Sustainable Energy Systems

Growth



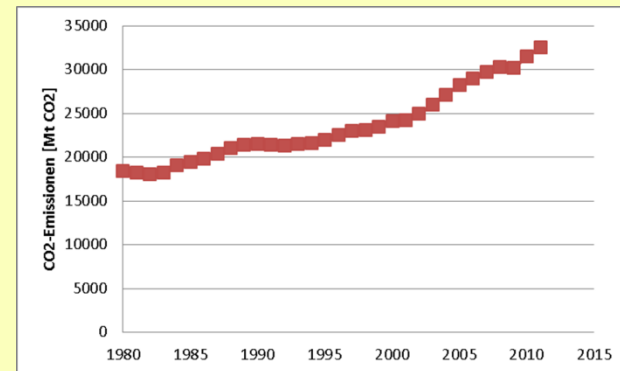
Geopolitics



Resources



Environment



A Comparison



A look on Bavaria

Many good research sites.



A simple comparison

Brazil:

Area: 8.515.767 km²

Pop: 196 Mio.

GDP: 1126 billion US\$

TPES: 270 Mtoe

Electricity: 480 TWh

Germany:

Area: 357.168 km²

Pop: 81 Mio.

GDP: 3048 billion US\$

TPES: 311 Mtoe

Electricity: 579 TWh