

Sustainability needs innovation and institutions

Technology Innovation & Policy Forum 2018

Ingrid Ott | KIT

CHAIR IN ECONOMIC POLICY



Nobel Memorial Prizes in Economic Sciences

2018

**William
Nordhaus**

for integrating climate change into long-run macroeconomic analysis

Paul Romer

for integrating technological innovations into long-run macroeconomic analysis

1993

Douglass North
and
Robert Fogel

for having renewed research in economic history by applying economic theory and quantitative methods to explain economic and institutional change

Carbon dioxide emissions and wealth across countries and across time



Source: gapminder.org

2014



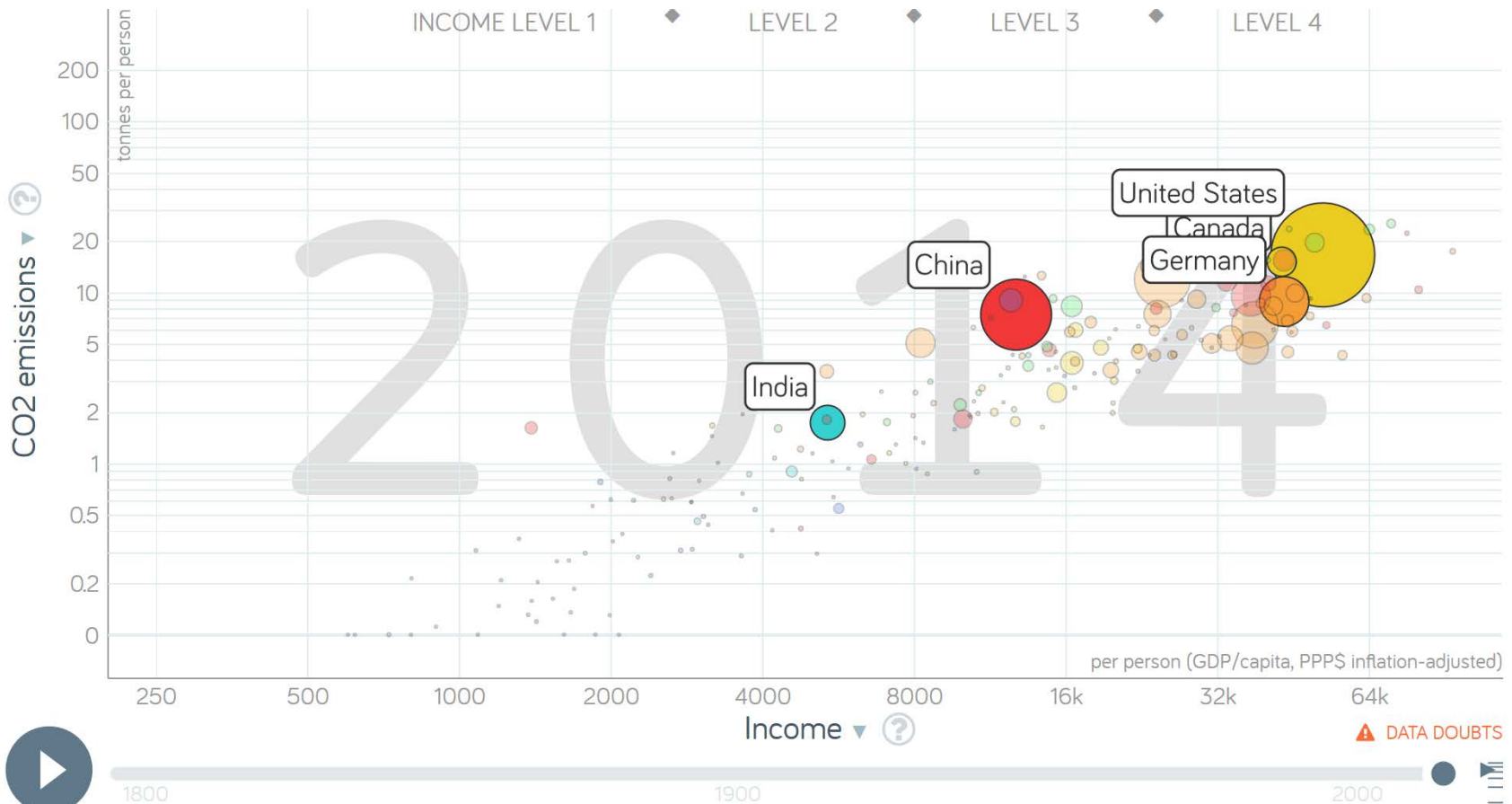
Source: gapminder.org



A word cloud of terms related to climate change, sustainability, and economic development. The words are arranged in a circular pattern, with larger words being more prominent. The colors of the words vary, including shades of blue, green, yellow, orange, red, and purple.

social innovation
clean development
knowledge
technologically
energy mix
transparency
open
institutions
certificates
disruption
efficiency
effects
distribution
rebound
SDGs
education
global
framework conditions
risk
emission allow ances
carbon taxes
double dividends
China
India
role of government
Coordination
dynamic
innovation
efficiency
skills mix

Carbon dioxide emissions and wealth across countries and across time



Source: gapminder.org

The best way to cope with the challenges of the future is to shape it actively and jointly with.



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THANK YOU

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