Austria from a socio-ecological economic perspective



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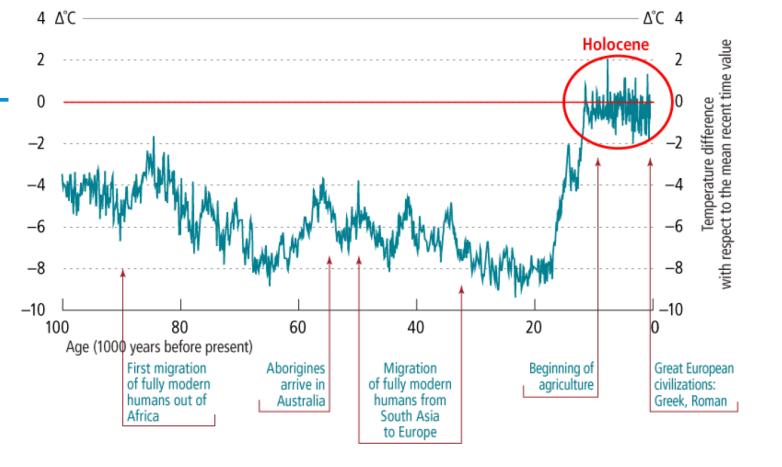
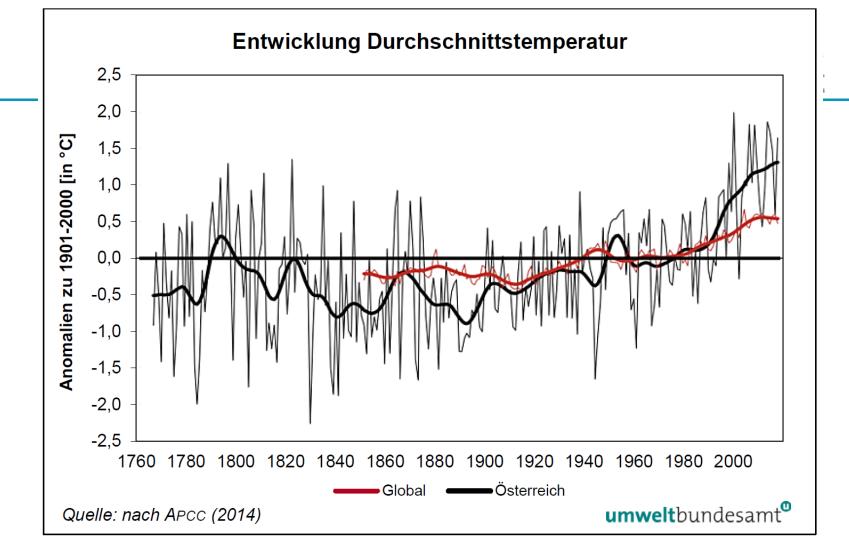


Figure 1 100,000-year-ice-core record and select events in early human history depicting the exceptional stable temperature conditions during the Holocene. Data from Petit et al., 1999, labeled as in Young and Steffen, 2009.



AND BUSINESS



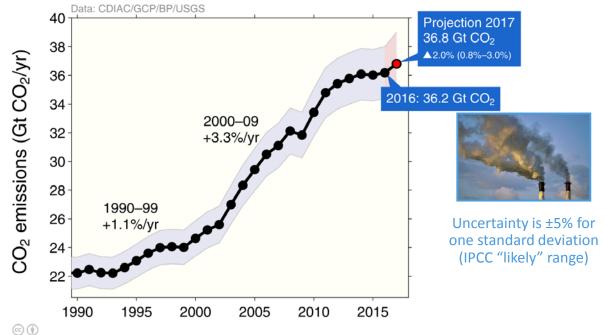


Emissions from fossil fuel use and industry



Global emissions from fossil fuel and industry: 36.2 ± 2 GtCO₂ in 2016, 62% over 1990

Projection for 2017: 36.8 ± 2 GtCO₂, 2.0% higher than 2016

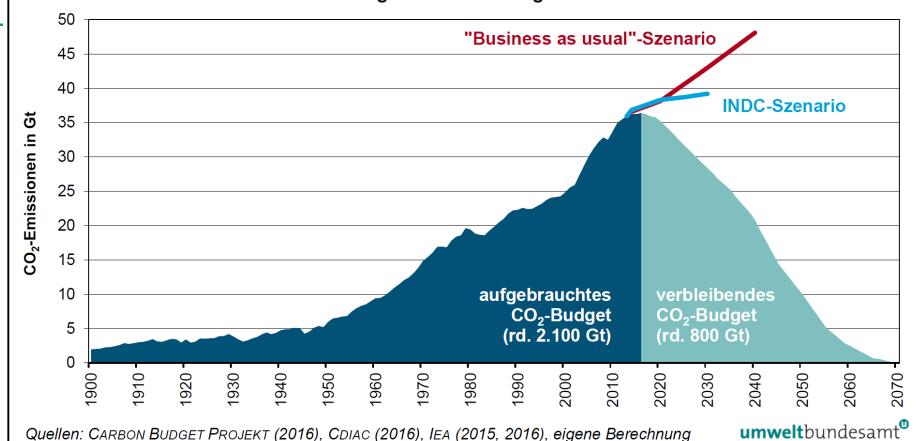






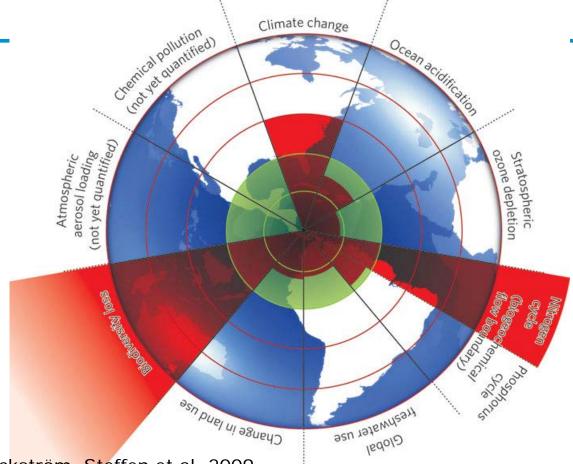






Earth system boundaries and human interference



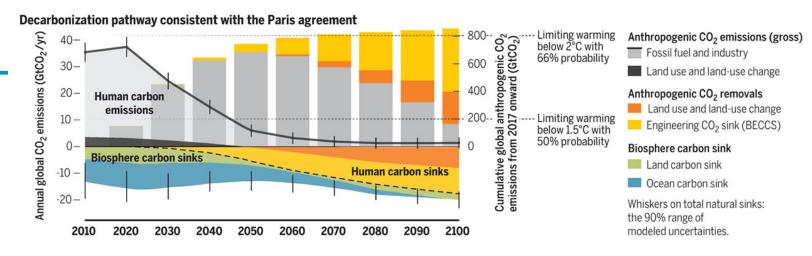


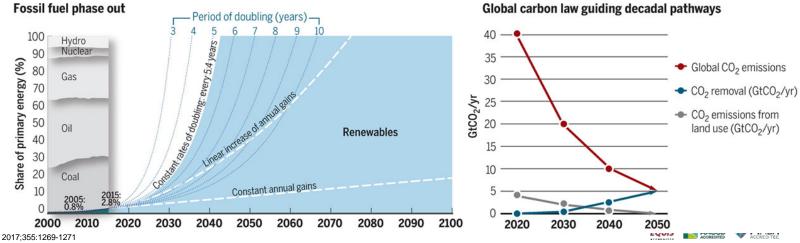


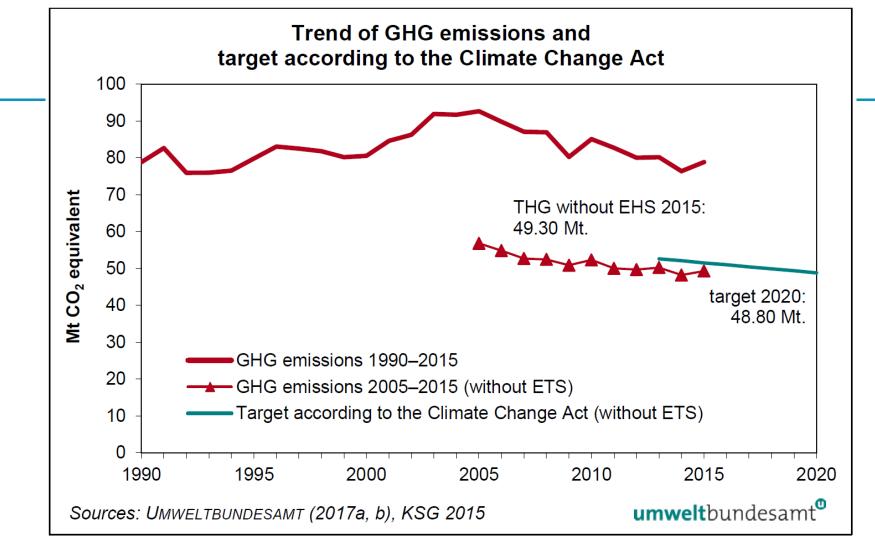




A global carbon law and roadmap to make Paris goals a reality

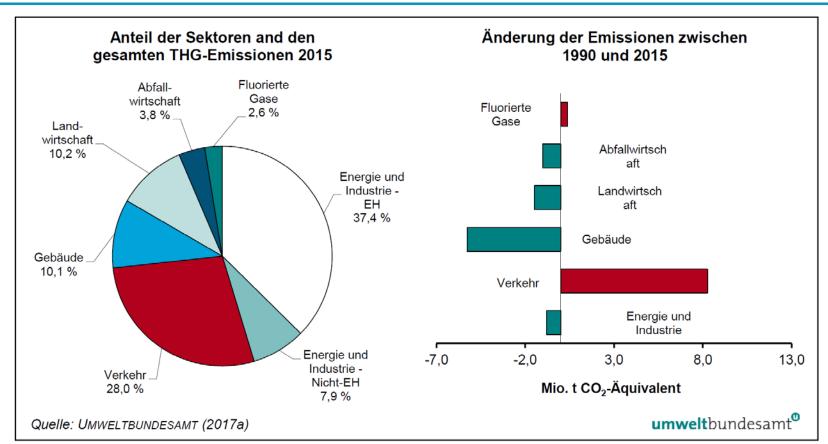






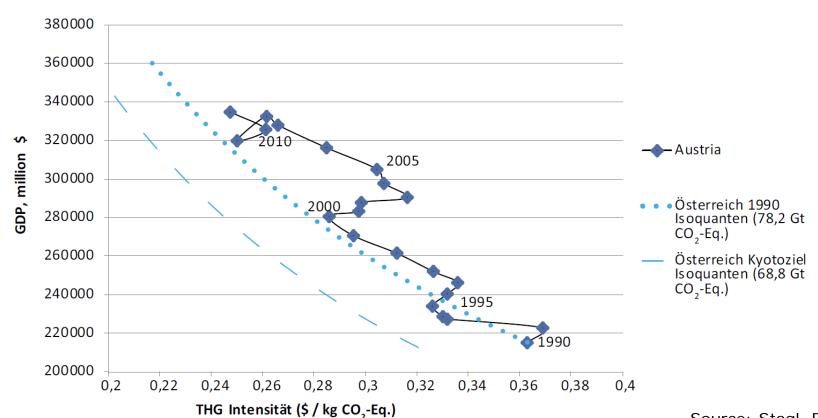
Main sources of greenhouse gas emissions in Austria





Economic growth and carbon intensity in AT

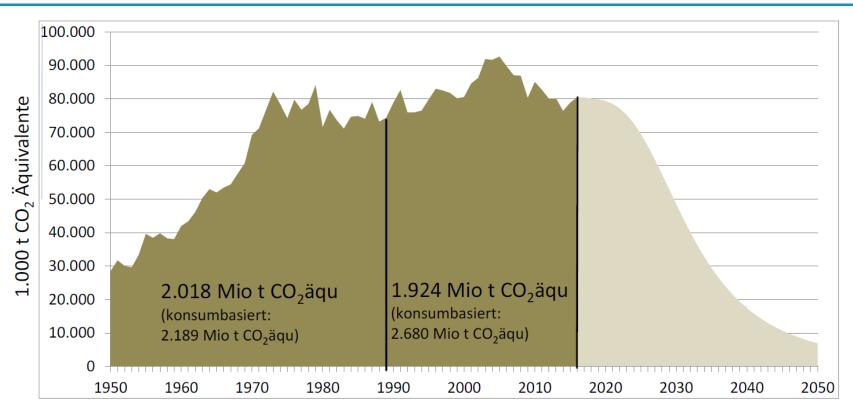




Source: Stagl, Rezai 2015

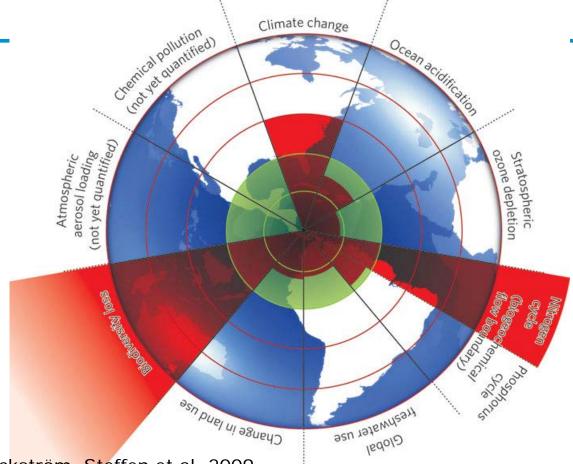
Carbon budget AT





Earth system boundaries and human interference

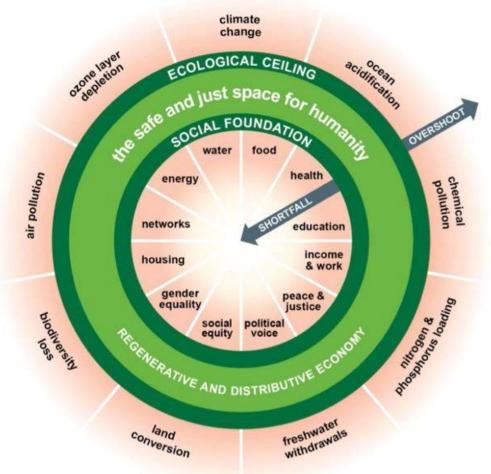




















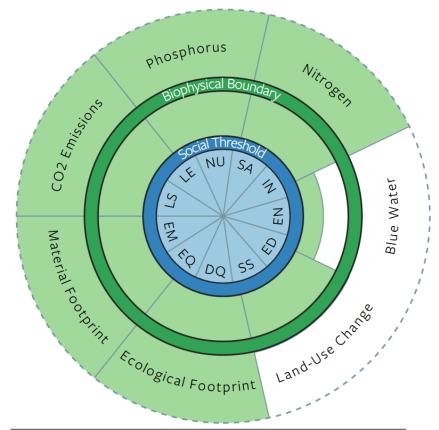
A Good Life For All Within Planetary Boundaries

No country in the world currently meets the basic needs of its citizens at a globally sustainable level of resource use.

Research by the University of Leeds, recently published in Nature Sustainability (and summarised in The Conversation), is the first to quantify the national resource use associated with achieving a good life for over 150 countries.

It shows that meeting the basic needs of all people on the planet would result in humanity transgressing multiple environmental limits, based on current relationships between resource use and human well-being.

https://goodlife.leeds.ac.uk/countries/#Austria



LS - Life Satisfaction

LE - Healthy Life Expect.

NU - Nutrition

SA - Sanitation

IN - Income

EN - Access to Energy

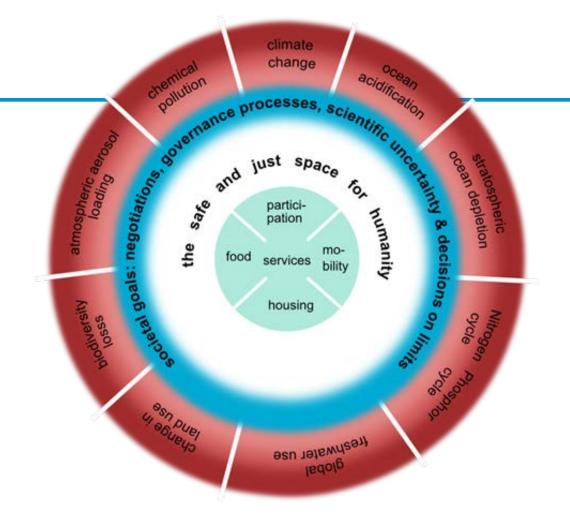
ED - Education

SS - Social Support

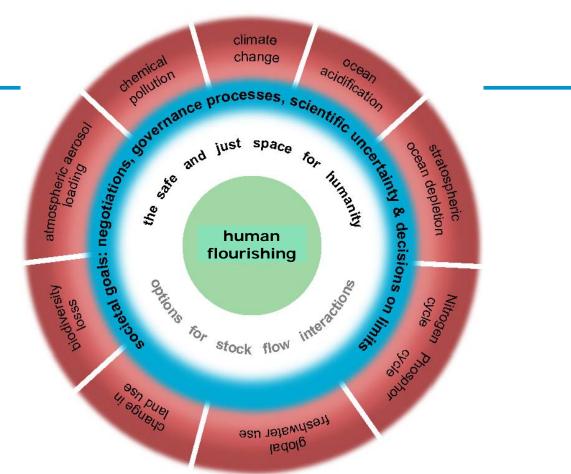
DQ - Democratic Quality

EQ - Equality

EM - Employment













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Global carbon budget



The cumulative contributions to the global carbon budget from 1870

The carbon imbalance represents the gap in our current understanding of sources and sinks

