

Trying (in vain) to save the world: Jorgen's story 1970 - 2015

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Green Economics & Science Based Activism BI-Nydalen, May 21st, 2015

Summary: My life as a science based activist

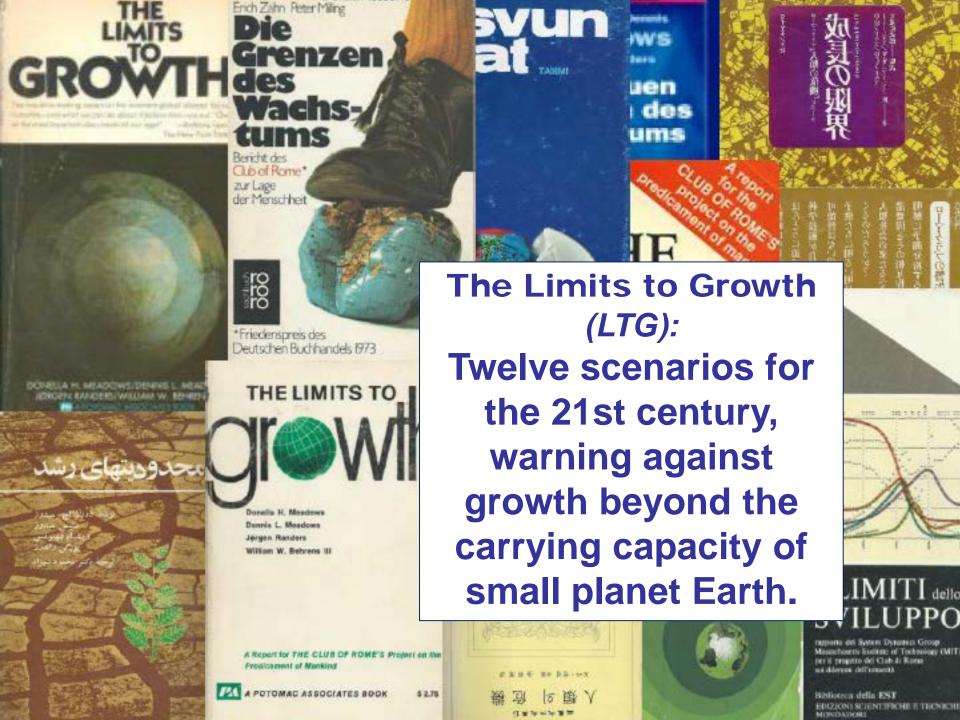
♣ Goal:
Sustainability
(better: a less unsustainable world)

Policy analysis

based on mathematical models

(aka: futures research, scenario analysis)

♣ Implementation techniques: Participation in real world decision making (business, NGO, public debate) Indicators showing time trends



My eight attempts at saving the world 1 of 2

- 1. Explain the global problem (and expect spontaneous behavior change)
 1970-74: MIT, Cambridge, Mass
- 2. Illustrate resource constraints at the industry level (and give long term policy advice)

 1975-80: Resource Policy Group, Oslo
- 3. Establish a platform for the continuation of the war (in some twenty years)

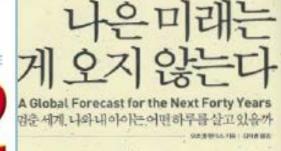
 1980-89: BI, Oslo
- 4. Secure the financial base necessary to remain an independent voice
 1990-93: Various corporations, Scandinavia

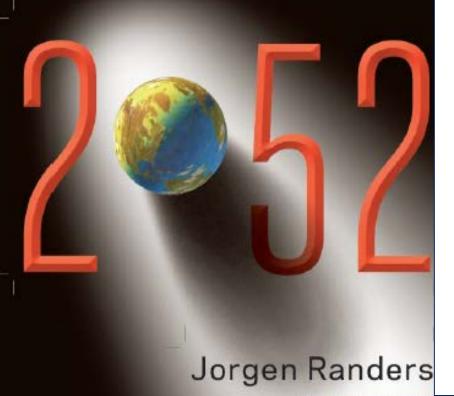
My eight attempts at saving the world 2 of 2

- 5. Organise the sustainability crowd into a strong voice 1994-99: WWF International, Geneva
- 6. Assist/cajole leading multinational corporations towards sustainability 2000-05: US, Europe, Australia, South Africa
- 7. Fight for Norwegian climate gas reductions 2005-10: Norway
- 8. Describe what will happen if people do not follow my advice 2011-14: The 2052-book, five continents

A Global Forecast for the Next Forty Years







2052 - A Global Forecast for the Next **Forty Years** A forecast of global development to 2052, predicting that the world will follow the LTG pollution scenario See www.2052.info

A REPORT TO THE CLUB OF HOME COMMEMORATING THE 40TH ANNIVERSARY OF The Limits to Growth





My next attempt at saving the world

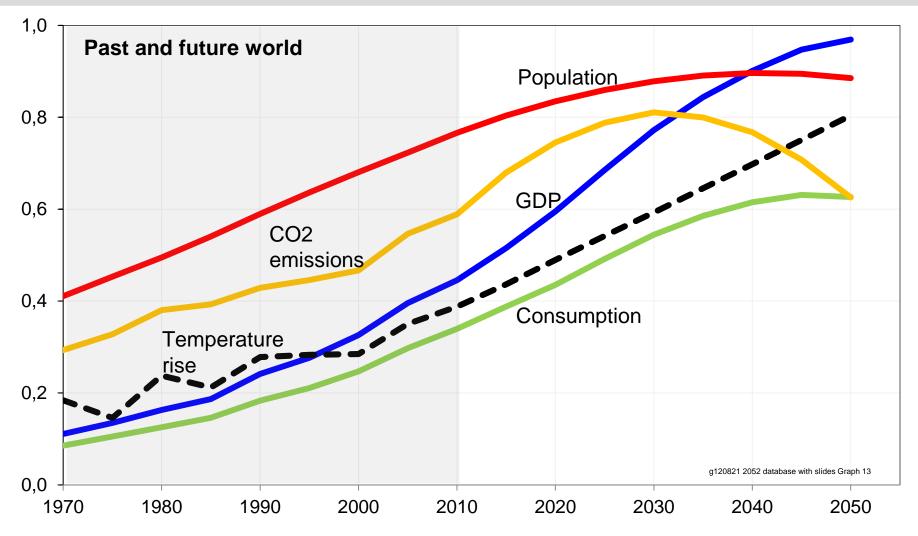
9. Push policy with a short term advantage for a majority of voters.

For example "Green growth" and "More vacation" 2014-?: Ever talking and travelling professor emeritus, the world

It is time to turn!



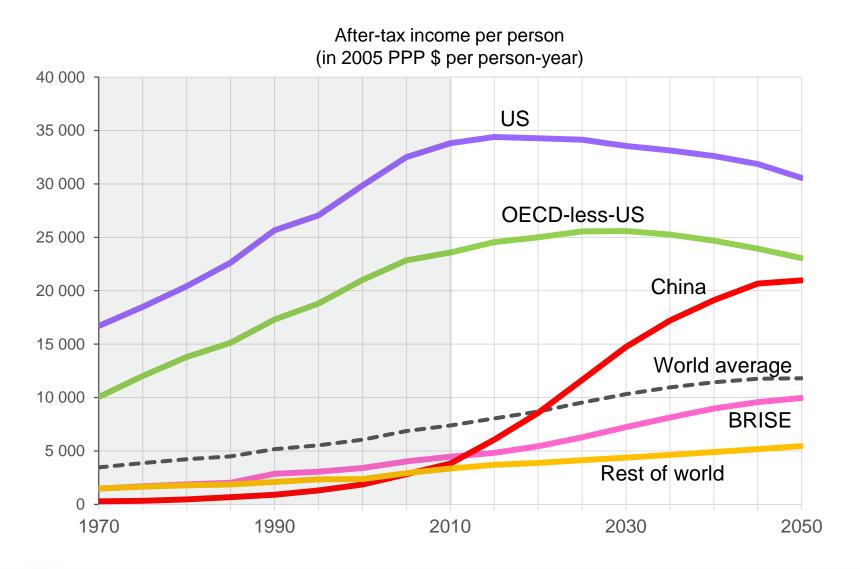
Central elements of the 2052 forecast



Max values 9 Gp, 150 G\$/yr, 50 GtCO2/yr, 150 G\$/yr, 2.5 deg C

Figure 9-1a: Past and future World - State of Affairs -1970 to 2050

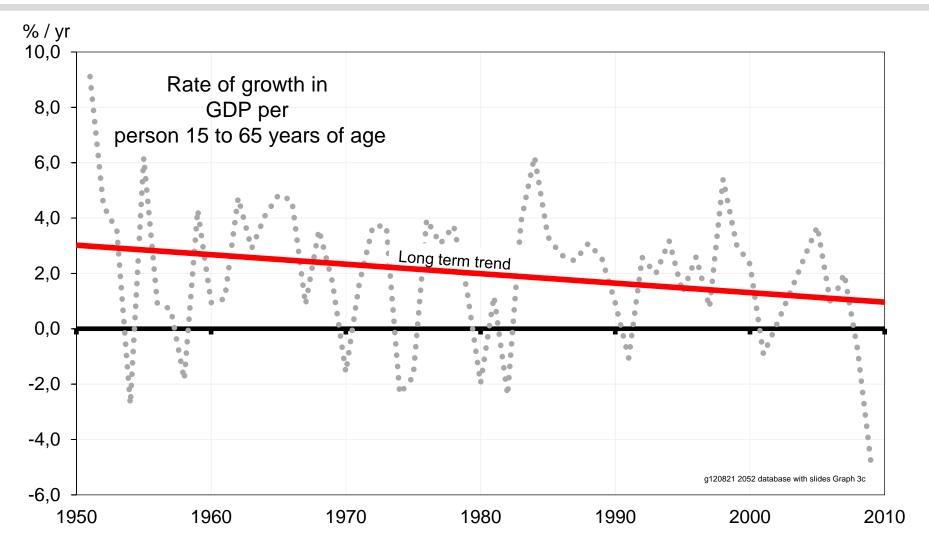
There will be huge regional differences



Main conclusions from the 2052 forecast

- World population and economy will grow more slowly towards 2052 than most people expect
 but still fast enough to trigger a climate crisis
 - Consumption will stagnate because society will have to spend ever more labour and capital on repair and adaptation
 - The short-term nature of man
 reflected in the short term focus
 of democracy and capitalism is the root cause of this development

Slowing growth in total productivity - USA



Fertility decline in EU-15 – 1950 to 2010

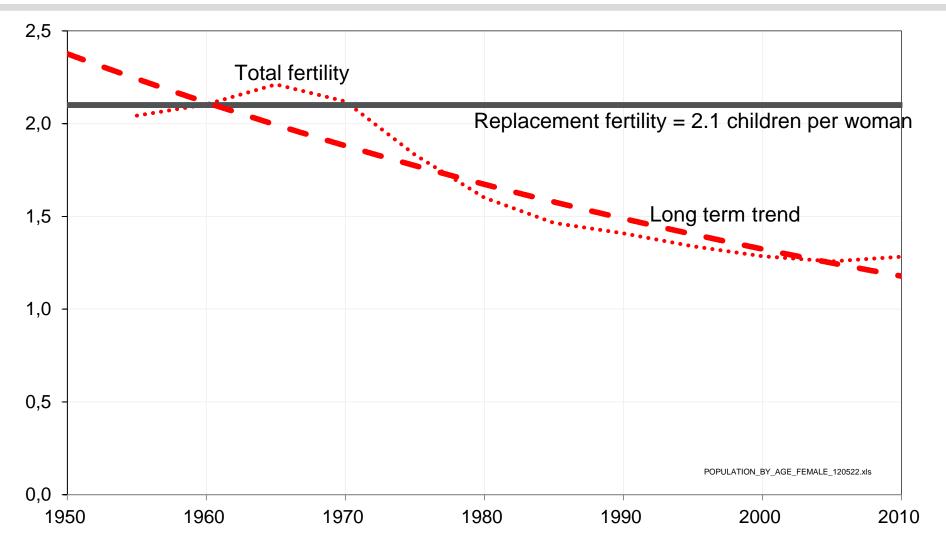


Figure A4-1 Total Fertility – EU15 1950 to 2010

Definition: Total fertility = Number of children per woman during reproductive age