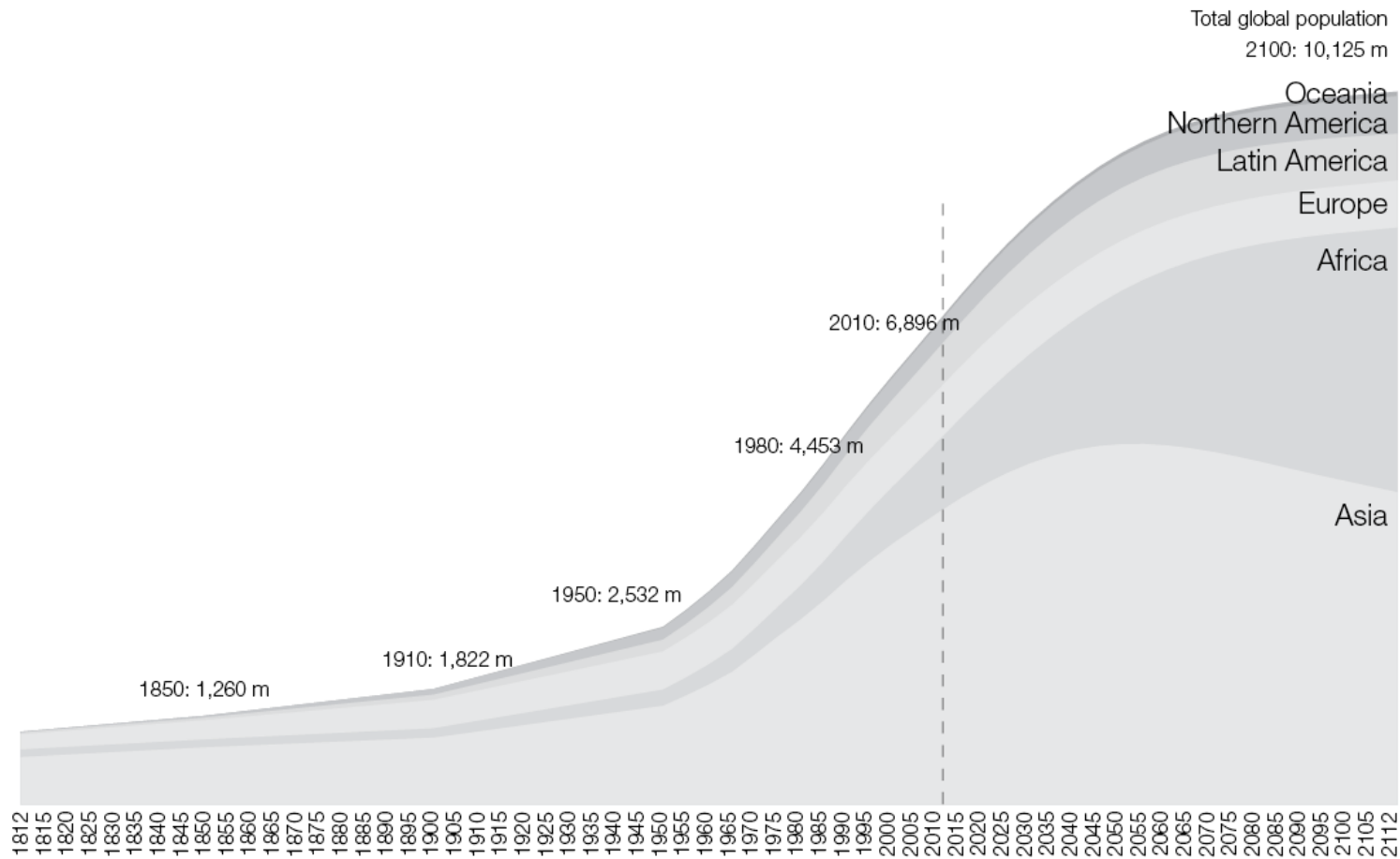


PREFERRED FUTURES - SKETCHES

Søren Steen Olsen
House of Futures

IN 100 YEARS

- We can't go on like this
 - never could, never have
- The present contains the seed to the future
- But extrapolation is a fool's errand
- 1911 was a foreign country
- => Scenarios are a way of dealing with complexity



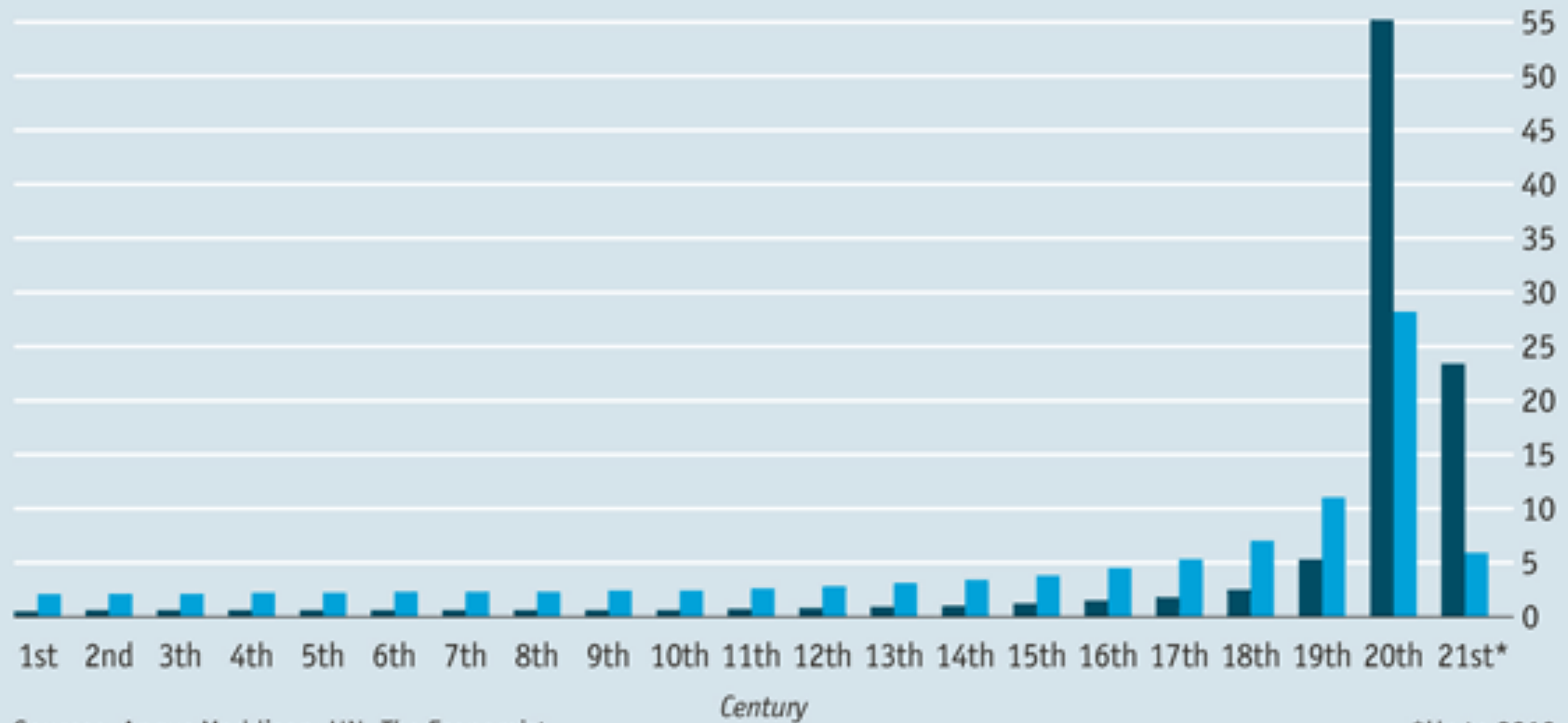
Sources: Historic data series: (1750-1950): The World At Six Billion. UN, 1999
 Data series 1950-2100: World Population Prospects, the 2010 Revision – Medium variant. UN, 2011

When history was made

Percentage of total:

■ economic output (1990 \$)

■ years lived

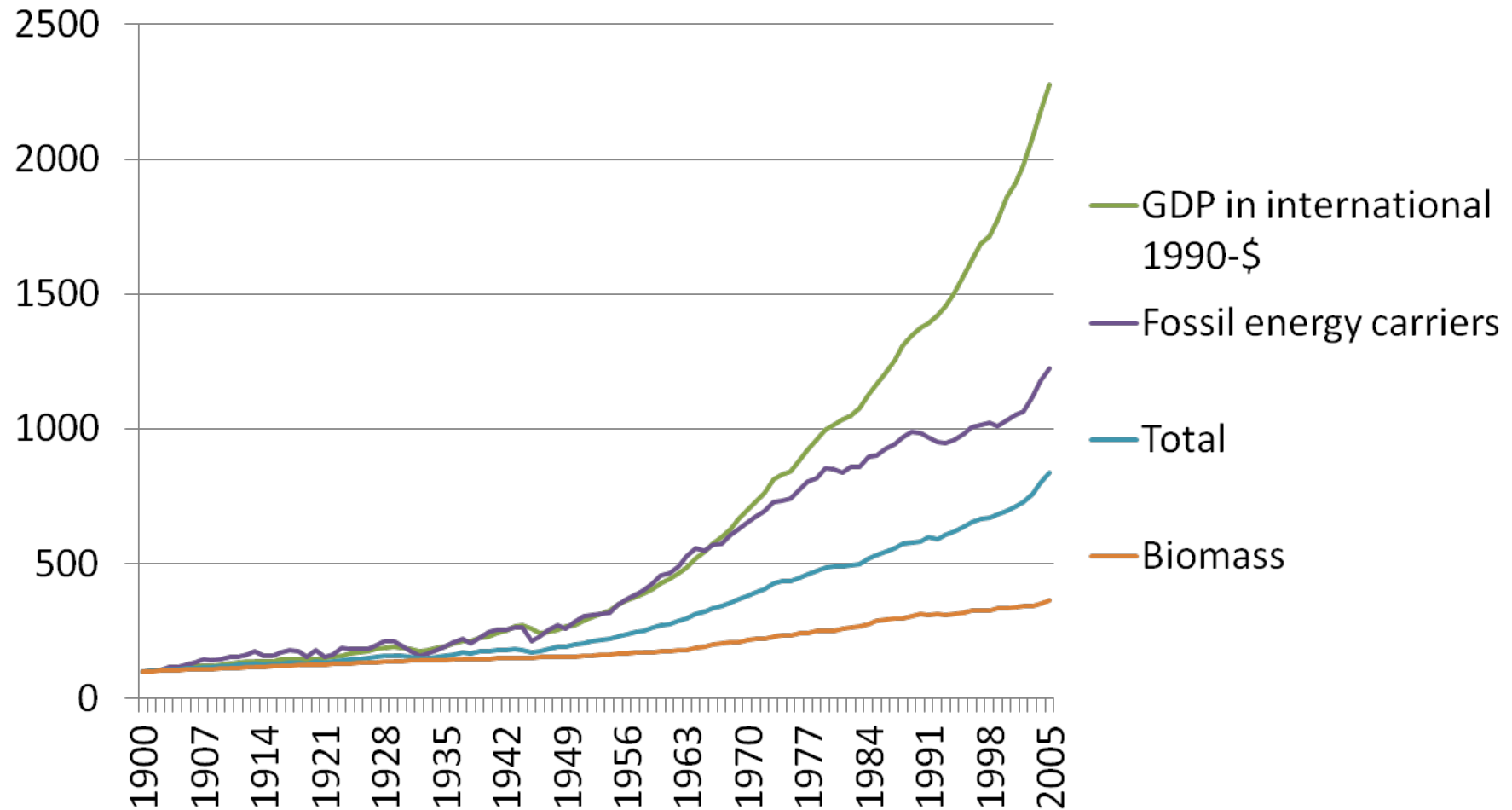


Sources: Angus Maddison; UN; *The Economist*

*Up to 2010

Global material extraction and GDP

1900-2005 (index: 1900 =100)



Source: Krausmann, F., Gingrich, S., Eisenmenger, N., Erb, K.H., Haberl, H., Fischer-Kowalski, M.: Growth in global materials use, GDP and population during the 20th century. Ecological Economics 2009 (in press: doi:10.1016/j.ecolecon.2009.05.007).

BASELINE

- IPAT: Impact = Population x Affluence x Technology
- Just a numerical example to 2050
 - I: IPCC target: Carbon dioxide emissions to be reduced 80 per cent by 2050
 - P: Increases to 9bn (UNPD Midrange projection)
 - A: Global income growth trend ~ 2 per cent p. a.
 - => T (carbon intensity) must decline by 7% p. a. (Historic rate: 0.7 per cent)

- Source: Tim Jackson: Prosperity without growth

- *We can't go on like this*

MAN-MADE WORLD

- *“There is nothing wrong with the world that can’t be cured by what is right in the world”*
- Science tells us we are in the Anthropocene
- Steadily accumulating data and knowledge
- We rationally apply the capacity at our disposal
 - Political, corporate, technological, economic, knowledge
- People and science
- Stewardship

THE POWER OF NATURE

- *"We are part of the world and to save it we need to start with ourselves"*
- We are rooted in nature
- We tap into deep sources of meaning
- Movements and currents – in dialogue and mutual inspiration
- We seek fulfillment
- Extension of individualisation, immaterialisation, reflexive society
- Humankind is maturing and becomes an organic part of life on Earth