

## 21<sup>ST</sup> CENTURY SUSTAINABILITY

THE CHALLENGES AND OPPORTUNITIES AHEAD

Sustainability?



Environmental sustainability



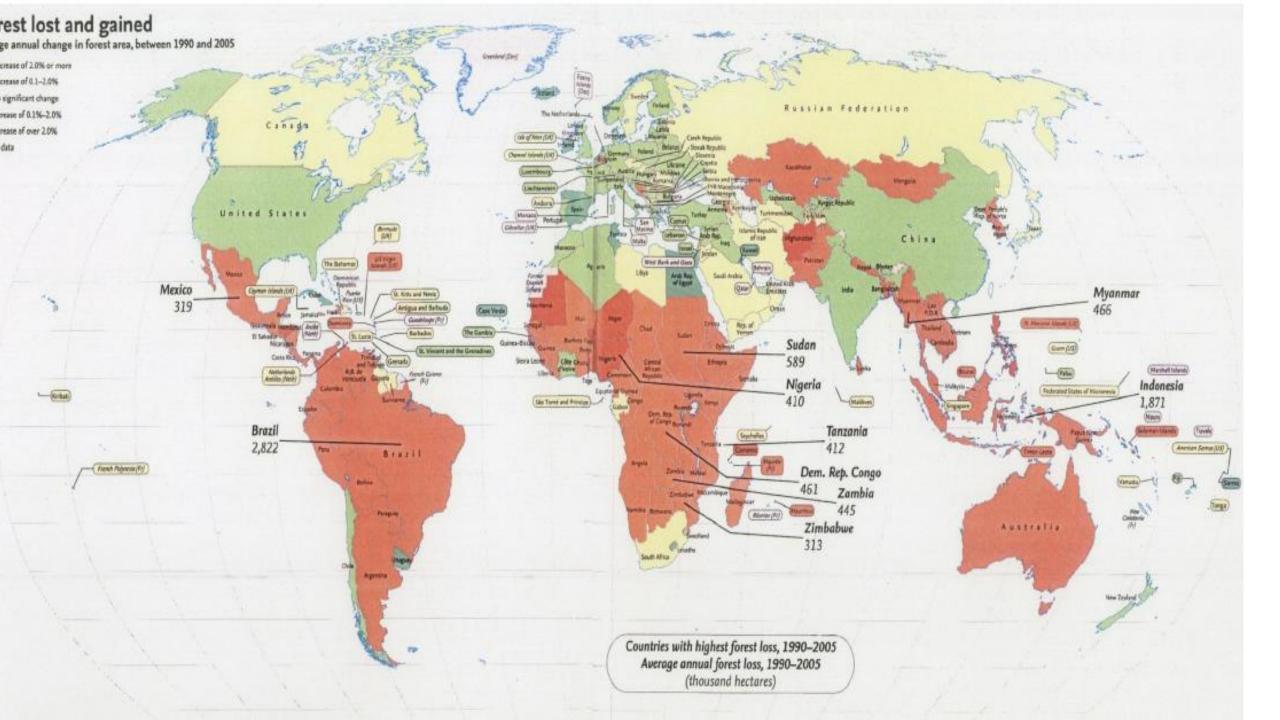
Climate Change



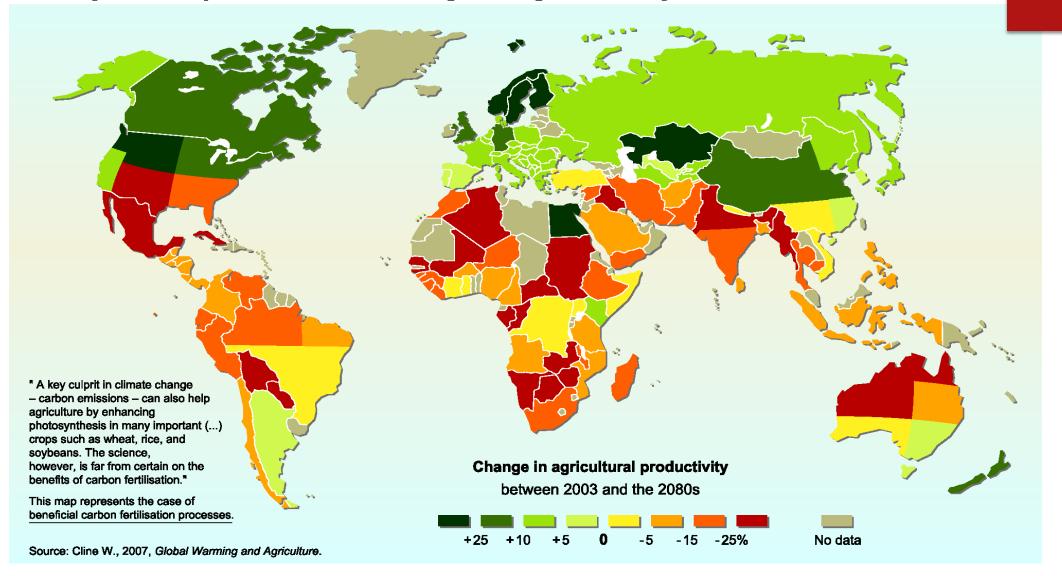
Food Security



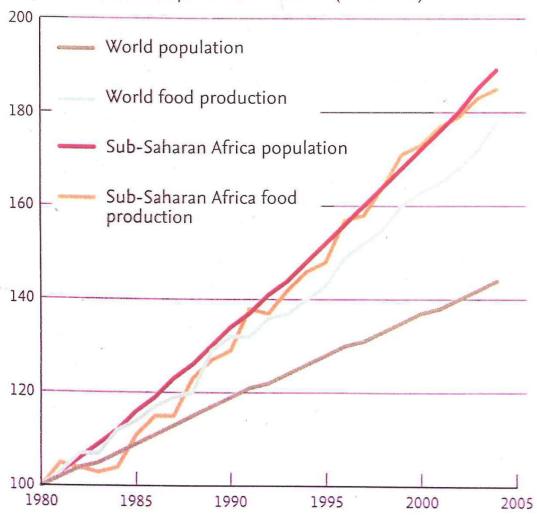
Among the effects of Climate change...



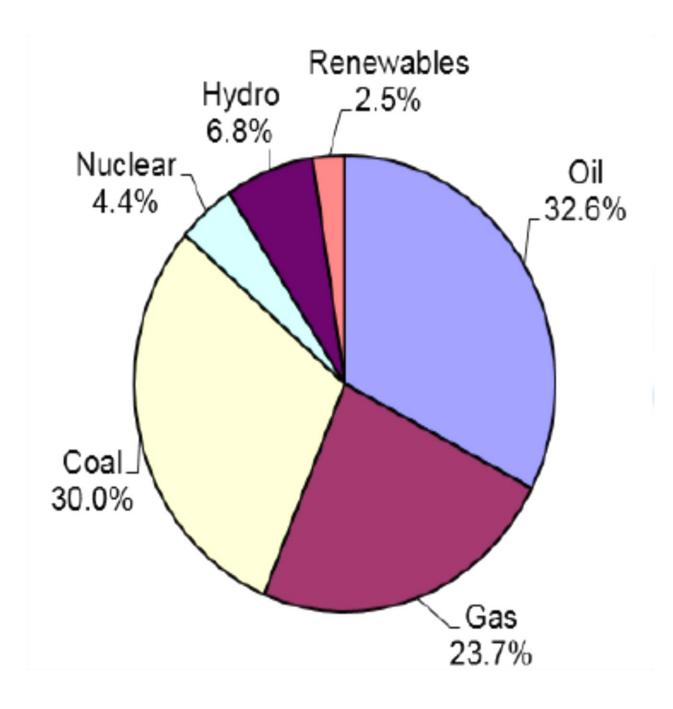
#### Projected impact of climate change on agricultural yields



#### Population and food production indexes (1980=100)



Source: Food and Agriculture Organization



World energy consumption

(E. Colombo Politecnico Milano, 2015)

## Demographic sustainability



Human Mobility- National and International



Urbanization

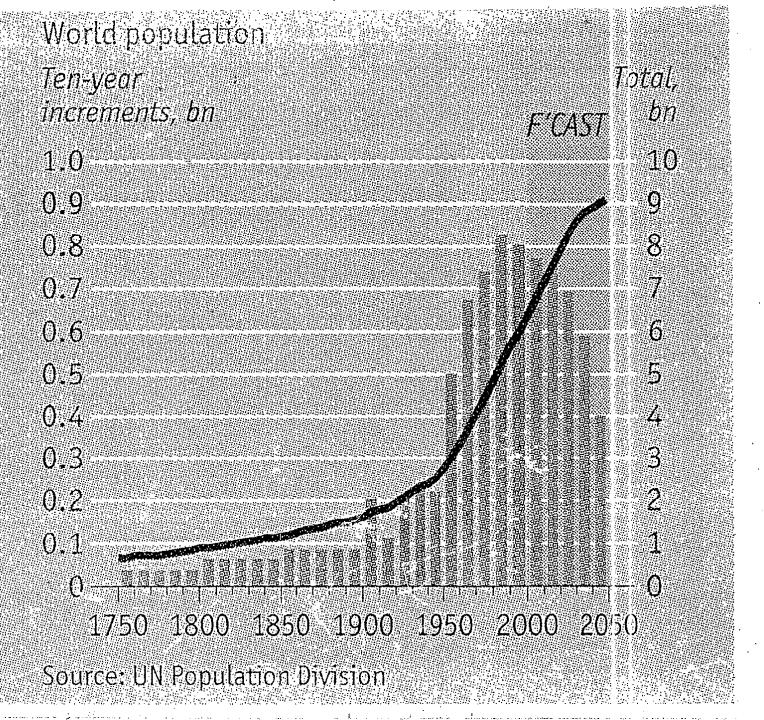


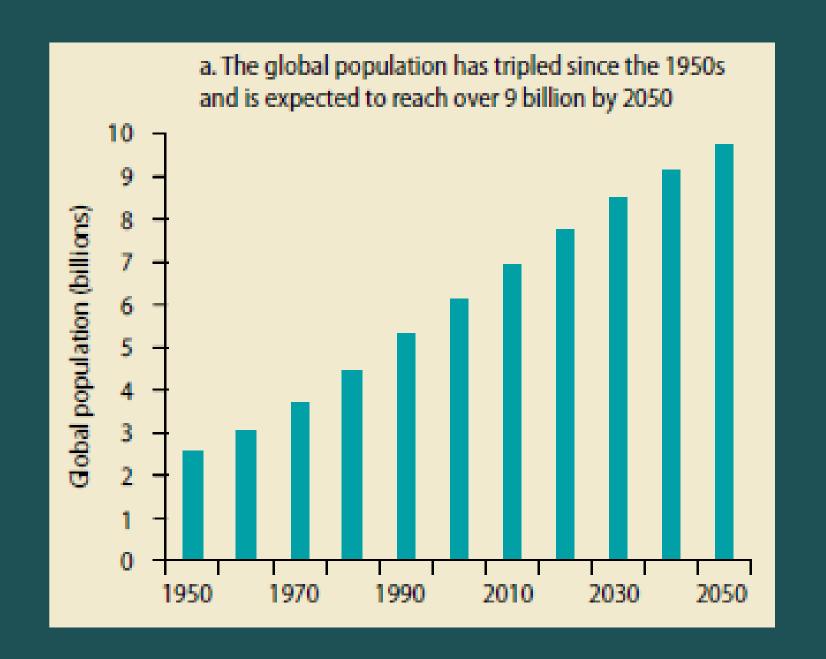
Clash of civilizations (Cultural Sustainability)

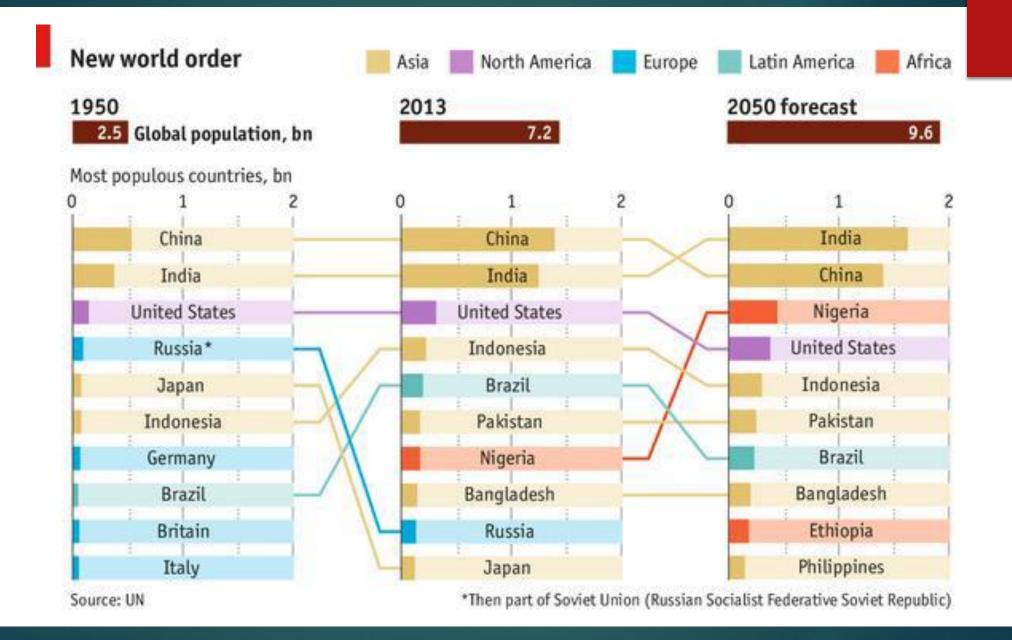
#### Countries with more than 100 million people, 2017

(World Development Indicators September 2018)

China	1.386
India	1.339
United States	326
Indonesia	264
Brazil	209
Pakistan	197
Nigeria	191
Bangladesh	165
Russian Federation	144
Japan	127
Mexico	129
Philippines	105
and <b>Ethiopia</b>	105







### ECONOMIC SUSTAINABILITY



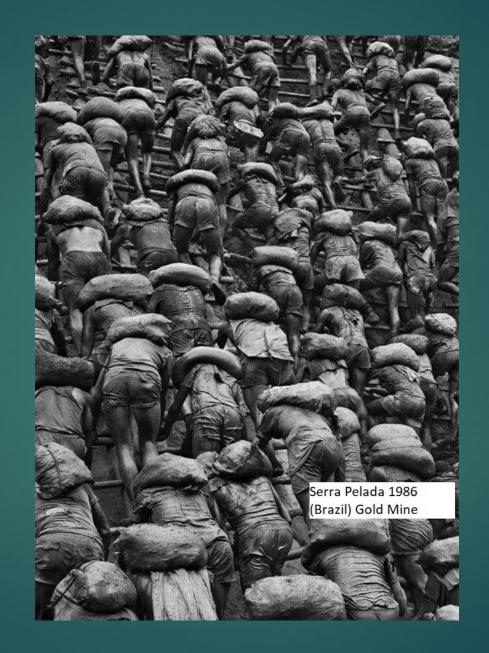




HIGH PRODUCTIVITY AND WEALTH CREATION



**INEQUALITY** 



#### A PARADOX?

The African economy is growing. So is the population. An estimate of 2.5bn people will be living in Africa by 2050 up from about 1.3bn currently

40% of the population will still live below the absolute poverty line.



### Technological Sustainability

Knowhow, Innovation and Productivity

Technological information and Knowledge

# Knowhow, Innovation and Productivity

- ► Technological innovation is a necessary condition for modern economies productivity
- ▶ It is crucial for companies to posses the right knowledge
- Quality education plays a key role in this
- Those who do not have innovation techniques and strategies of production have minimal or no chances of surviving in today's market.
- Markets are global and so are the competitors



# Technological information and Knowledge



Many developing countries of the world today can be by-pass the industrialisation phase of growth thanks to Information technology



Services are increasingly having a greater importance in the international economy.



A country with high knowledge in IT and international language will has a high potential to attract foreign investments and to launch national companies towards the international markets.

Political Sustainability Local, National and Global governance

National Sovereignty against international organisations

The role of Democracy

# Above all...

ONE WORLD, ONE HUMAN RACE ONE COMMON DESTINY





Thank you