

# **WORLDS 2050**

**Policy making  
for the better future**

**ESPAS 2030 Global Trends – Extended to 2050**

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# Introduction

# ESPAS 2030 Report

- Why we do these Reports
- Focusing on a few trends





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- Low vs. high time-horizon



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- ESPAS: 4 Members, 5 Observers
- Project between civil-servants





# ESPAS 2030 Report

- Why we do these Reports
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- What can we say about 2050?
- Low vs. high time-horizon
- ESPAS: 4 Members, 5 Observers
- Project between civil-servants
- 3 Purposes:
  - Surprise
  - Reality-Check
  - Call to Action



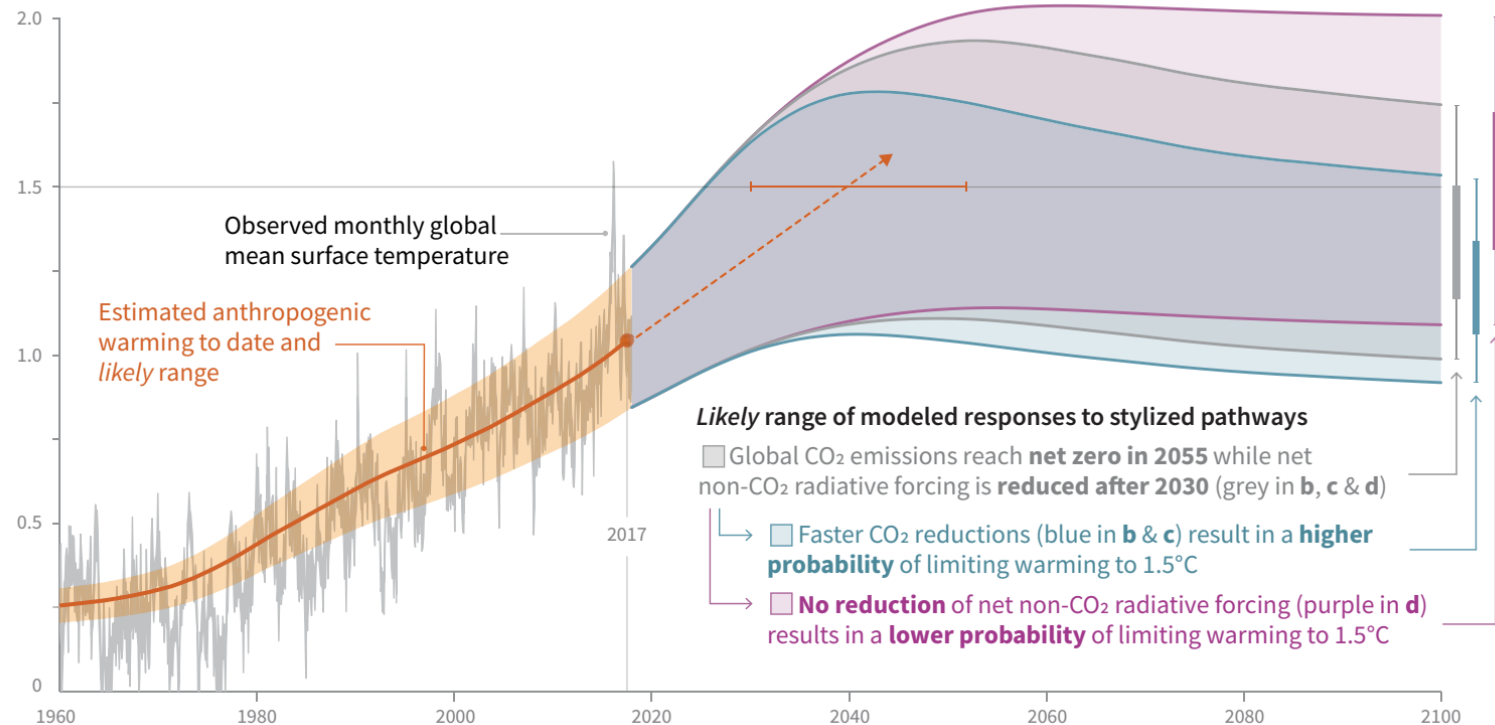


# Mega Trends

# Climate Change

- 1,5 degrees in 2030
- 2,0 degrees in 2050

Global warming relative to 1850-1900 (°C)

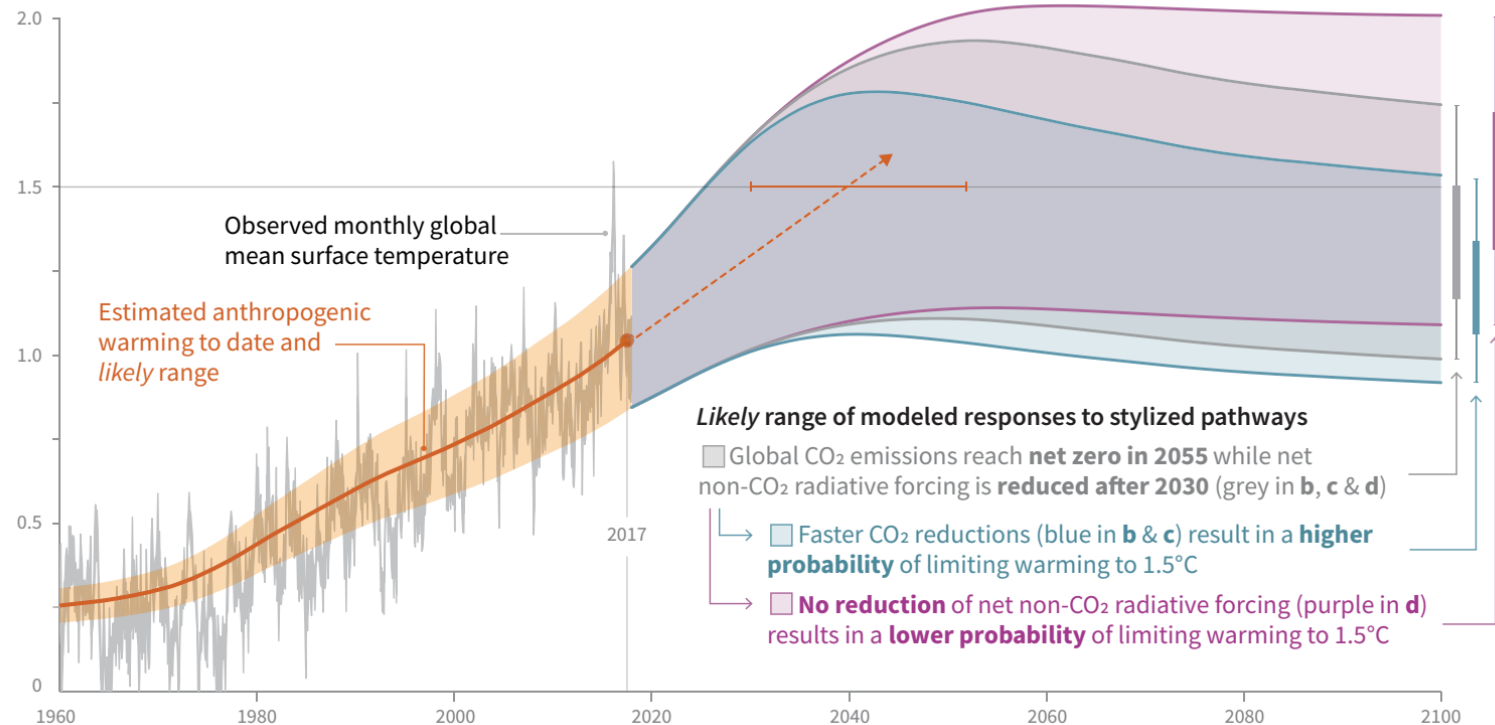




# Climate Change

- 1,5 degrees in 2030
- 2,0 degrees in 2050
- Prepare for 2030
- Change 2050

Global warming relative to 1850-1900 (°C)



# Population

*Population of the world and regions,  
2017, 2030, 2050 and 2100, according to  
the medium-variant projection*

Region	Population (millions)			
	2 017	2 030	2 050	2 100
World	7 550	8 551	9 772	11 184
Africa	1 256	1 704	2 528	4 468
Asia	4 504	4 947	5 257	4 780
Europe	742	739	716	653
Latin America and the Caribbean	646	718	780	712
Northern America	361	395	435	499
Oceania	41	48	57	72

Source: United Nations, Department of Economic and Social Affairs, Population Division (2017). World Population Prospects: The 2017 Revision, New York: United Nations

# Urbanisation

- 2030:
  - Growth of medium sized cities
- 2050:
  - Return to rural?

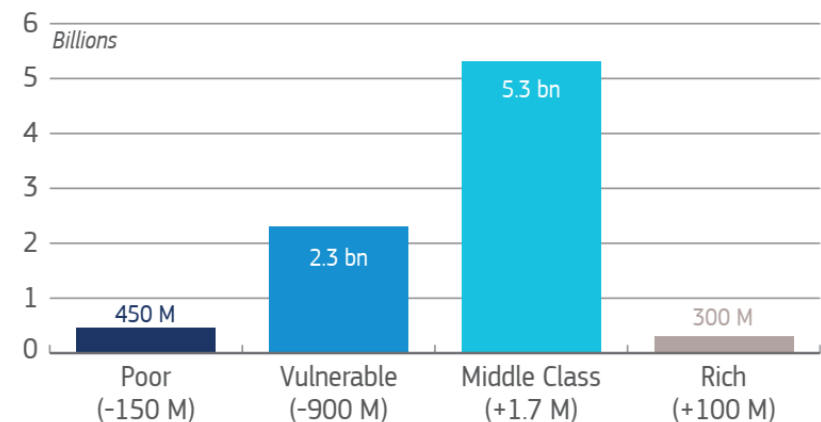




# Economics

- 2030:
  - China surpassing US
  - Global convergence?
  - Middle class / inequality
  - Economic shocks
- 2050:
  - New economic model?
  - New version of progress and happiness?

*Middle class dominance in 2030*



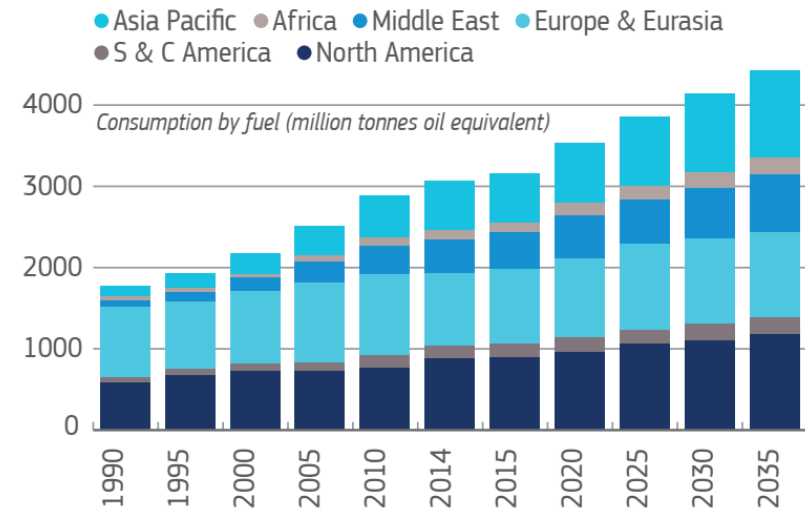
Note: Figures in parenthesis indicate the increase/decrease in the number of people in each category by 2030.

Source: projections by World Data Lab

# Energy

- 2030:
  - Returning to prices of 2010
- 2050:
  - Global domination of renewables?

## *Natural gas consumption outlook by region*



Source: BP Energy Outlook, Helgi Analytics, 2016

# Connectivity

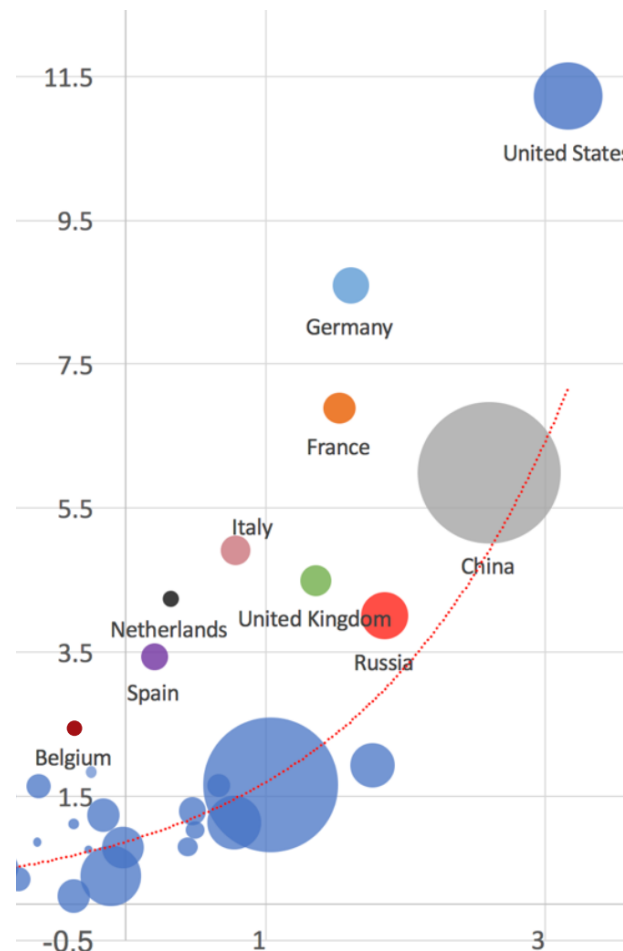
- 2030:
  - 75% internet access
  - 4x Maritime trade
- 2050:
  - Things and people connected
  - New perception of distance

*By 2030, the number of devices connected to the internet will have reached 125 billion, up from 27 billion in 2017.*



# Poly-nodal world

- 2030:
  - Networks, not poles
  - Maybe wishful thinking
  - China central
  - EU strategic autonomy
- 2050:
  - Doubt over nation state





# Catalysts

# International Trade

- 2030:
  - Should restart, if we deal with injustice and inequality
  - EU as normsetter
- 2050:
  - Automatization
  - Localized Production





# Food and Water Security

*Production and transport costs and governance are more important to our thinking about food insecurity than the idea of a planet running out of resources.*

# Warfare

- 2030:
  - Civil war dominant
  - Once a decade big interstate war
  - Merging of new and old ways to fight
  - Proxy wars increasing
  - Terrorism will stay
- 2050: New main weapons systems

*EU areas of strategic interest 2019-2030*



Source: EUISS, 2019

# Technology

- 2030:
  - How to catch up to US and China
  - Automatisatisation and work
- 2050:
  - New left-right ideological confrontation?

Perspective 1	Perspective 2
Bid your job farewell	Keep calm and carry on (but do keep an eye on inequality)
Perspective 3	Perspective 4
Few occupations will be entirely automated, but all jobs will be affected	The rise of the industrial robots



# Migration

- Will continue, as it depends on fixing or coping with other trends.



# Populism

- More a political style than an idea.
- Will return long after 2050.





# Game Changers

# 7 Game Changers

1. How do we save the planet?
2. How do we improve ageing?
3. How do we manage technologies?
4. How do we position Europe in the world?
5. How do we manage conflict?
6. How do we protect democracy at home?
7. How do we reach equality?



# Conclusion

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- 2030: increase resilience
- 2050: expect change
  - General AI
  - Nation state
  - Illness and ageing
- Power of different time horizons!



# Thank you!

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