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# International Network for Sustainable Energy

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Karlshöhe, Hamburg, August 24, 2011

**INF****RSE-EUROPE**

International Network for Sustainable Energy - Europe



# **INFORSE-Europe Sustainable Energy**

## **NGO Seminar**

European Green Capital, Hamburg, Germany

August 22-26, 2011

# INFORSE-EUROPE

International Network for Sustainable Energy - Europe

- ❖ A network of 75 NGOs
- ❖ Formed in 1992 together with global INFORSE
- ❖ Develop sustainable energy visions
- ❖ Follows EU energy and climate policies
- ❖ Follows UN policies (CSD, UNFCCC – Kyoto)
- ❖ Lowcarbon Society Network with researchers
- ❖ Sustainable energy education, training, and promotion

# INFORSE

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See our website  
[www.inforse.org/europe](http://www.inforse.org/europe)



# Man-made Climate Change is our largest global risk today – and is mainly Caused by Energy

The world energy supply and use:

- ❖ Causes about 60% of man-made climate change
- ❖ Is also beyond environmental limits of radioactivity, acidification, resource depletion, and others.
- ❖ Does not provide basic energy needs as light and healthy cooking facilities to 1/4 of the world's population

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# Global Warming

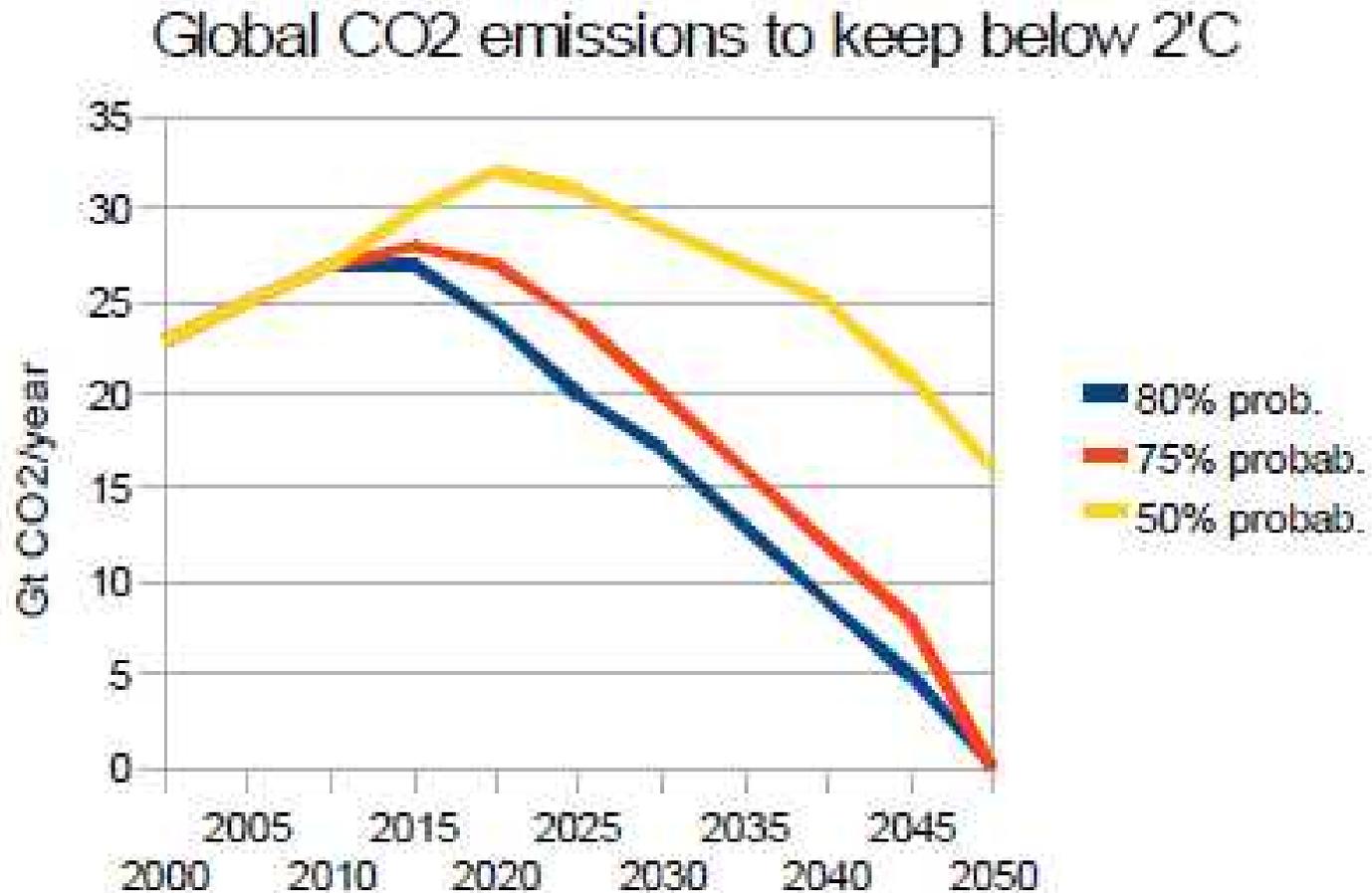
- Global warming above 1.5-2.5°C is likely to cause extinction of 20-30% of species and major changes in ecosystems (IPCC4, WG2, summary)
- ❖ Global warming will cause a warmer and dryer climate in parts of Europe, more storms etc.
  - ❖ We must stop global emissions increase 2015 and start reductions to keep global temperature increase to 2 °C (IPCC)
  - ❖ EU has 2°C target for global warming

# Fossil and nuclear limits

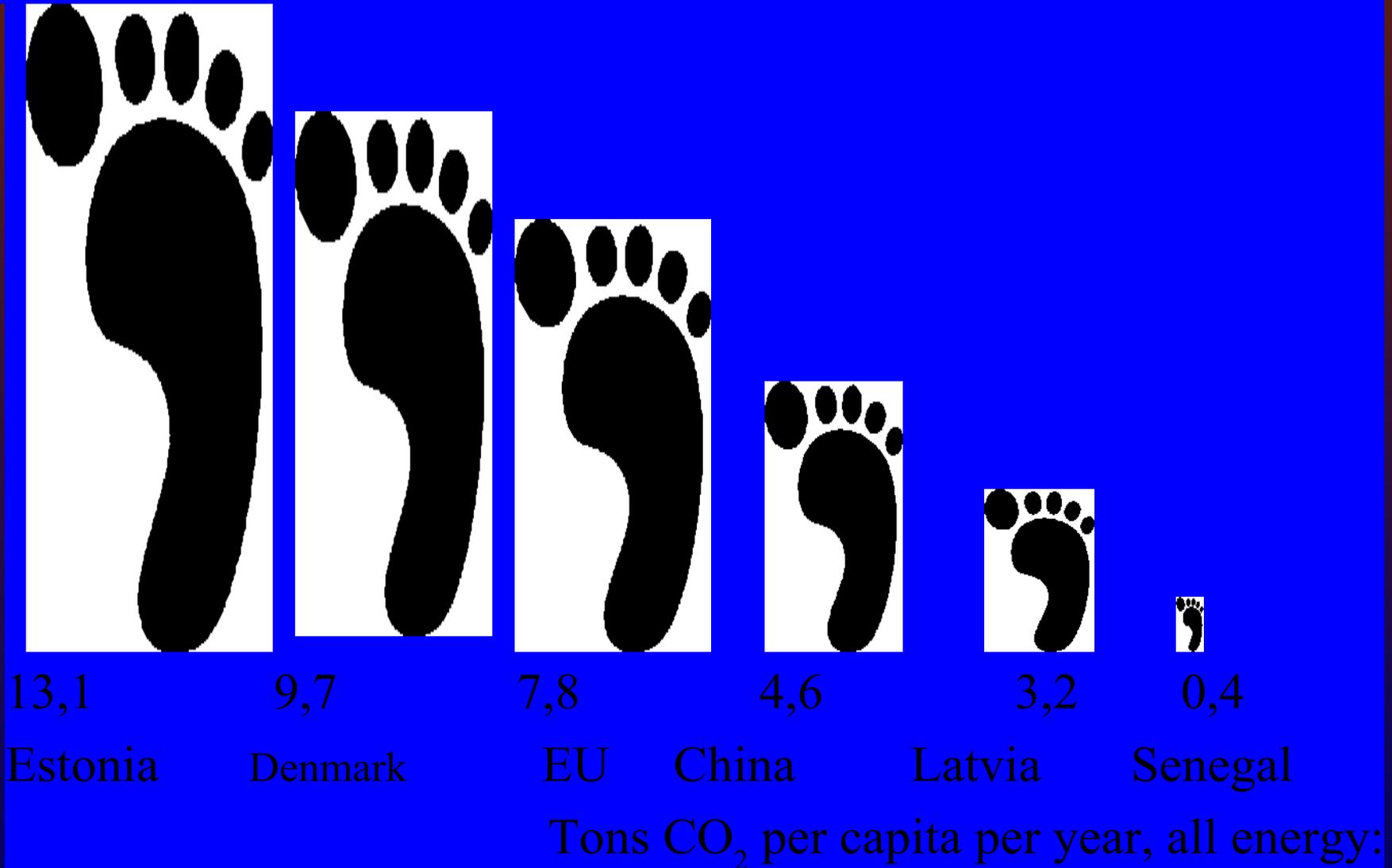
- ❖ Uranium supply, 37% from storages, agreement to use Russian storages ends in 2013, record price in 2007
- ❖ Oil consumption is peaking and production is stable in spite of high demands and high prices, record prices in 2008 and 2011
- ❖ Gas is likely to peak before 2030
- ❖ Coal can increase until around 2030 but will then also decrease

Conclusions by the Energy Watch Group, Germany,  
[www.energywatchgroup.org](http://www.energywatchgroup.org)

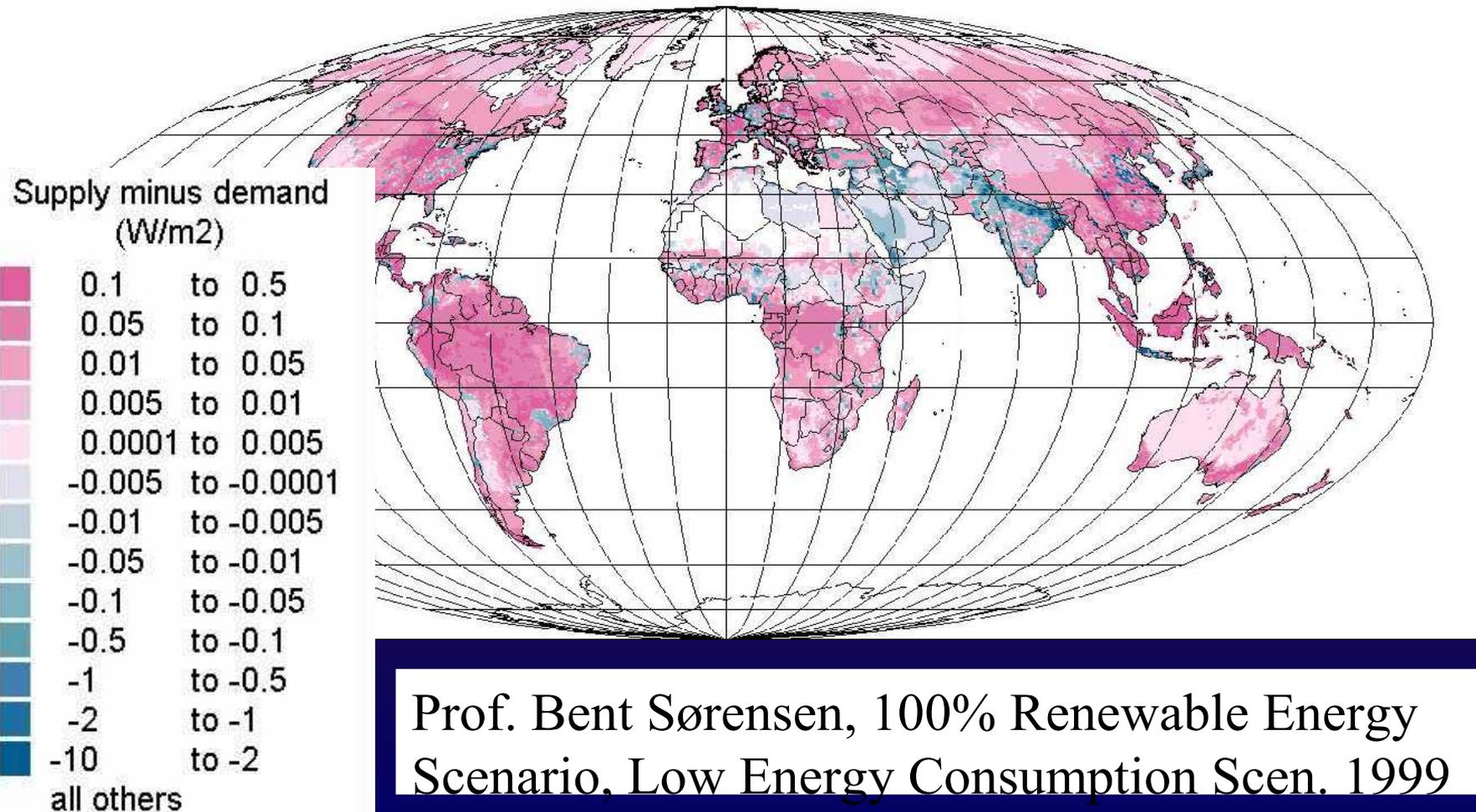
# A Global Sustainable Scenario by INFORSE



# Reductions first in industrialised countries



# Enough Renewables for 9 billion people if we use it efficiently



Prof. Bent Sørensen, 100% Renewable Energy  
Scenario, Low Energy Consumption Scen. 1999

# INFORSE Sustainable Energy Visions

- Global Vision

- Vision for EU-27

- Belarus

- Bulgaria

- Denmark

- Estonia

- Hungary

- Latvia

- Lithuania

- Romania

- Slovakia

- UK Zero Carbon Britain

- Belarus

- Russia

- Ukraine

# EU-27 Sustainable Energy Vision

- 100% Renewable Energy by 2040,
- Fast use of energy efficiency and renewable energy
- Sustainability issues addressed (biomass, biofuels)
- No net import or export over longer periods, local solutions are the most important
- Electric cars and trains



Thank you

