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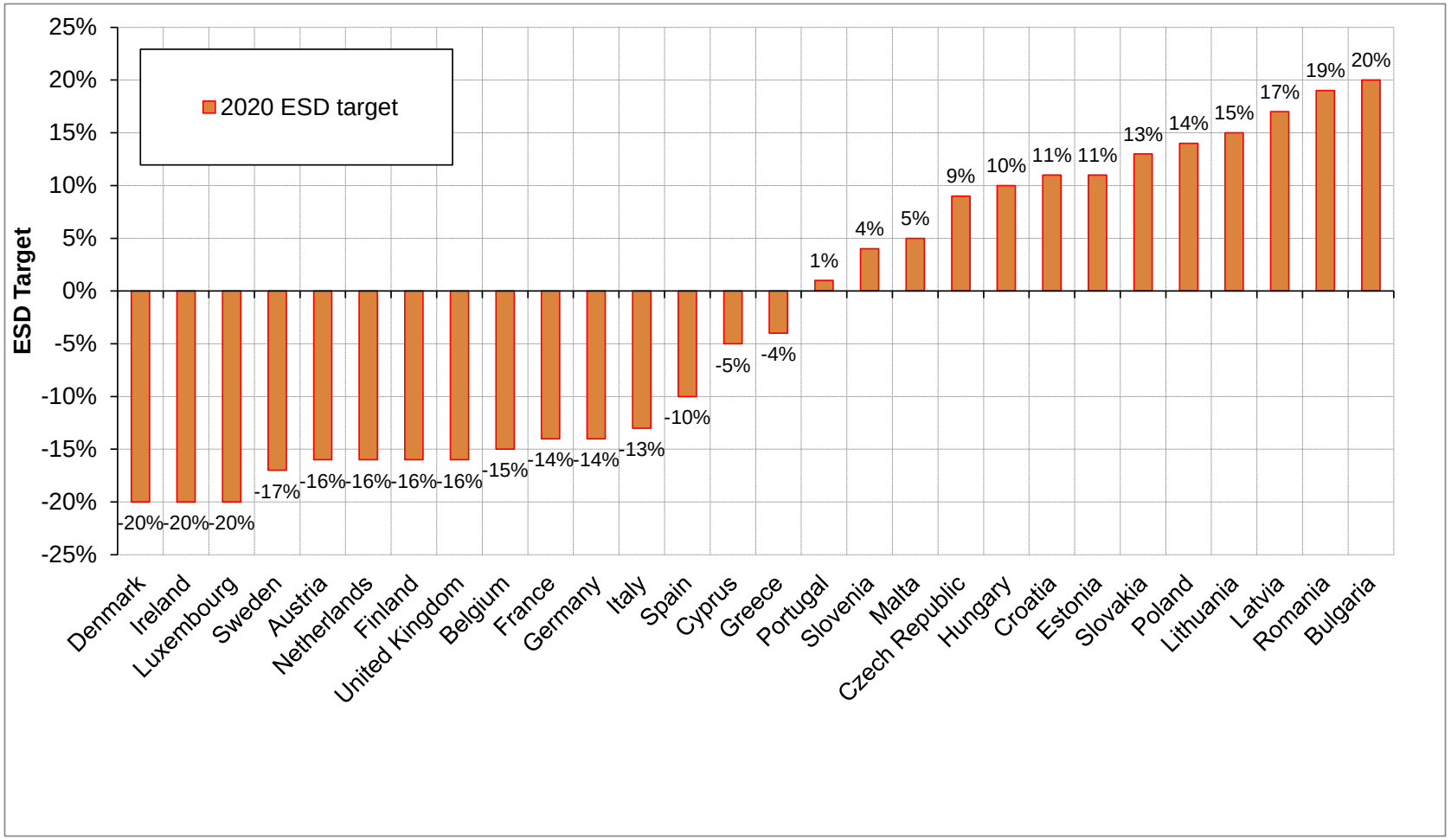
# Where are we now? Progress towards Europe's climate and energy targets until 2020

Discussion at the European Parliament

Hauke Hermann

Brussels, 6th November 2013

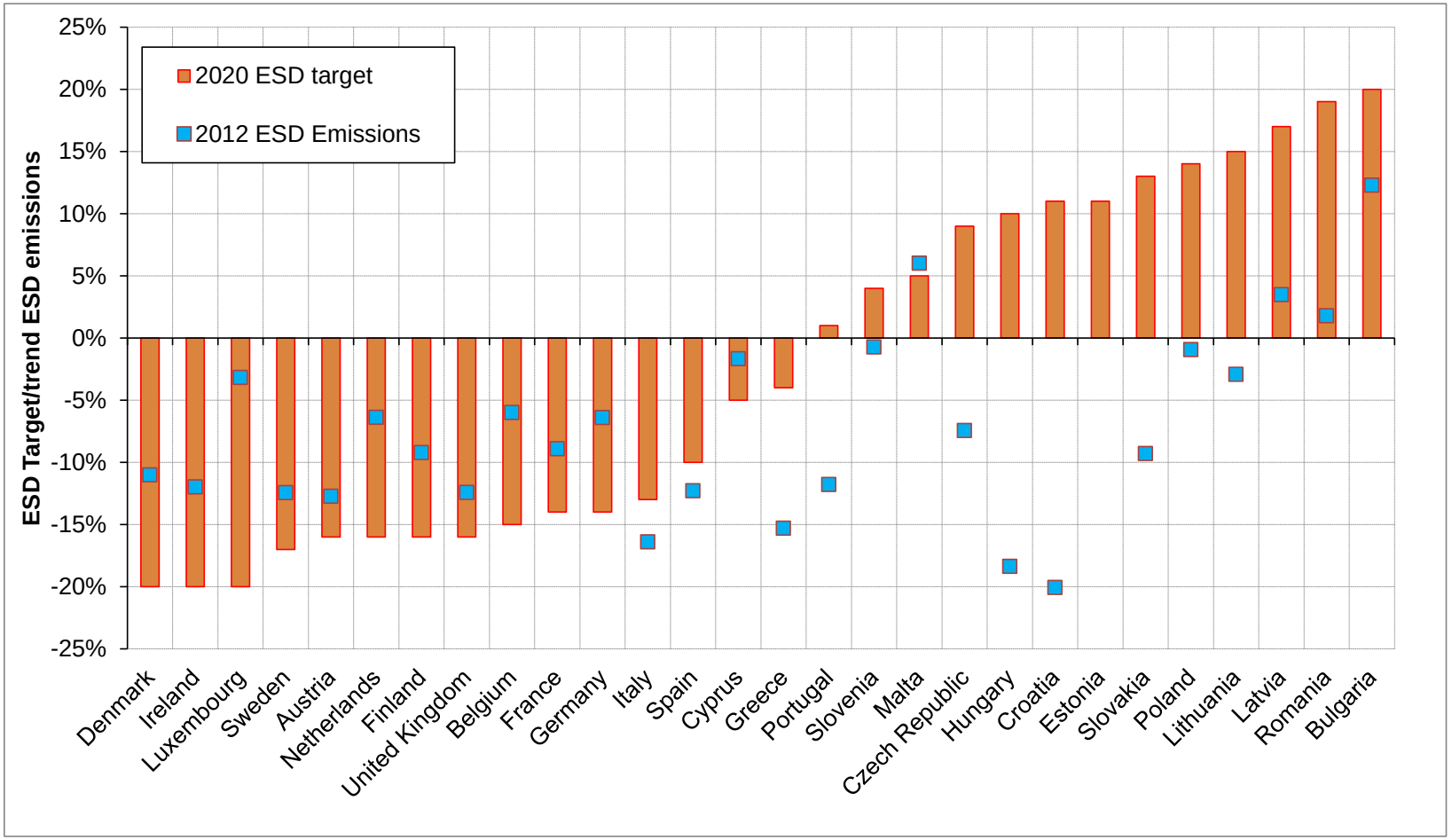
# ESD targets per country




Source: EEA Trends and Projections report (2013)

# Current progress towards ESD targets (preliminary data)

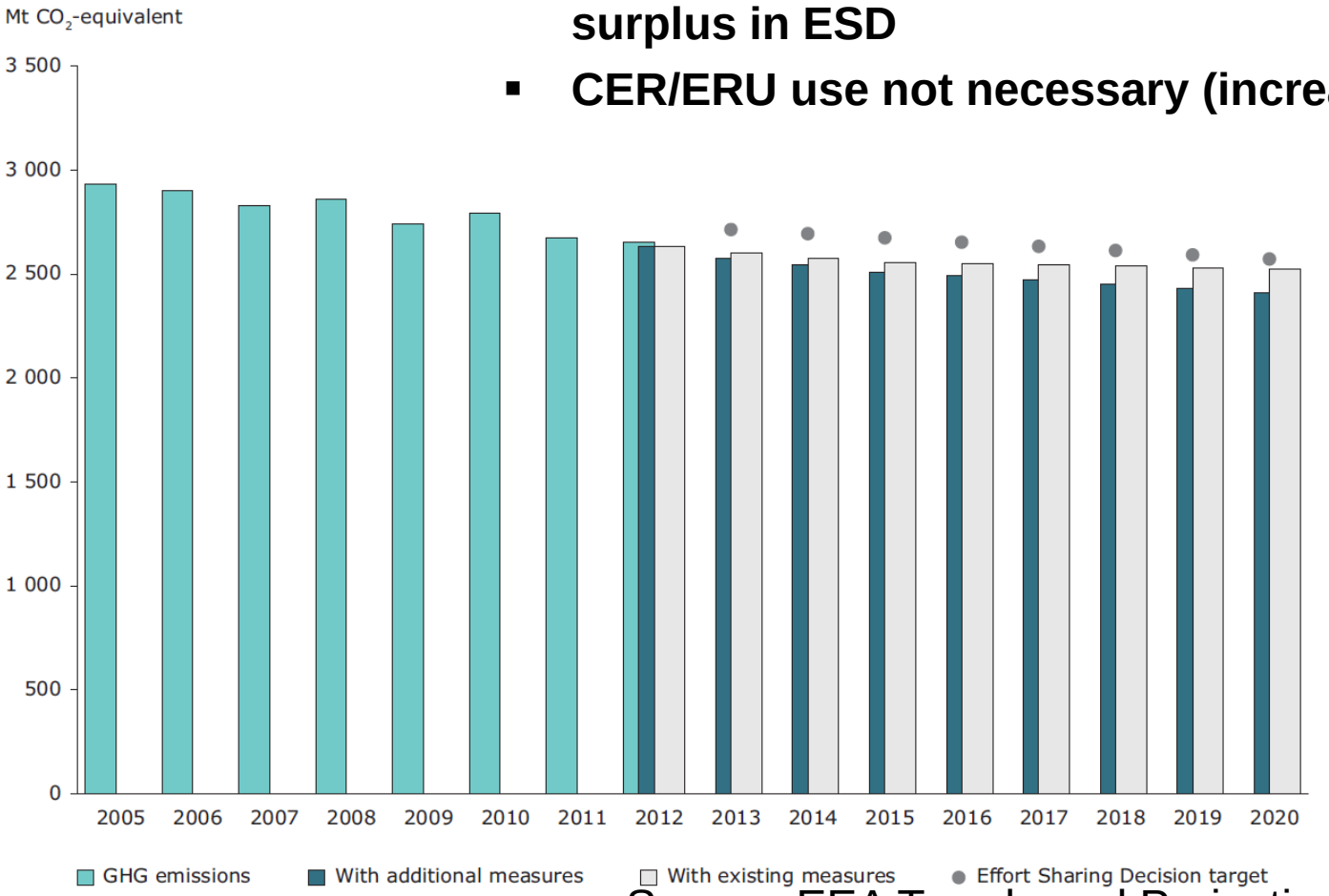
- **EU-15 already has made progress in reaching targets;**
- **Will emissions increase in Eastern Europe?**




Source: Own illustration based on on EEA GHG dataviewer, EEA proxy

# Emission trends in the ESD sectors

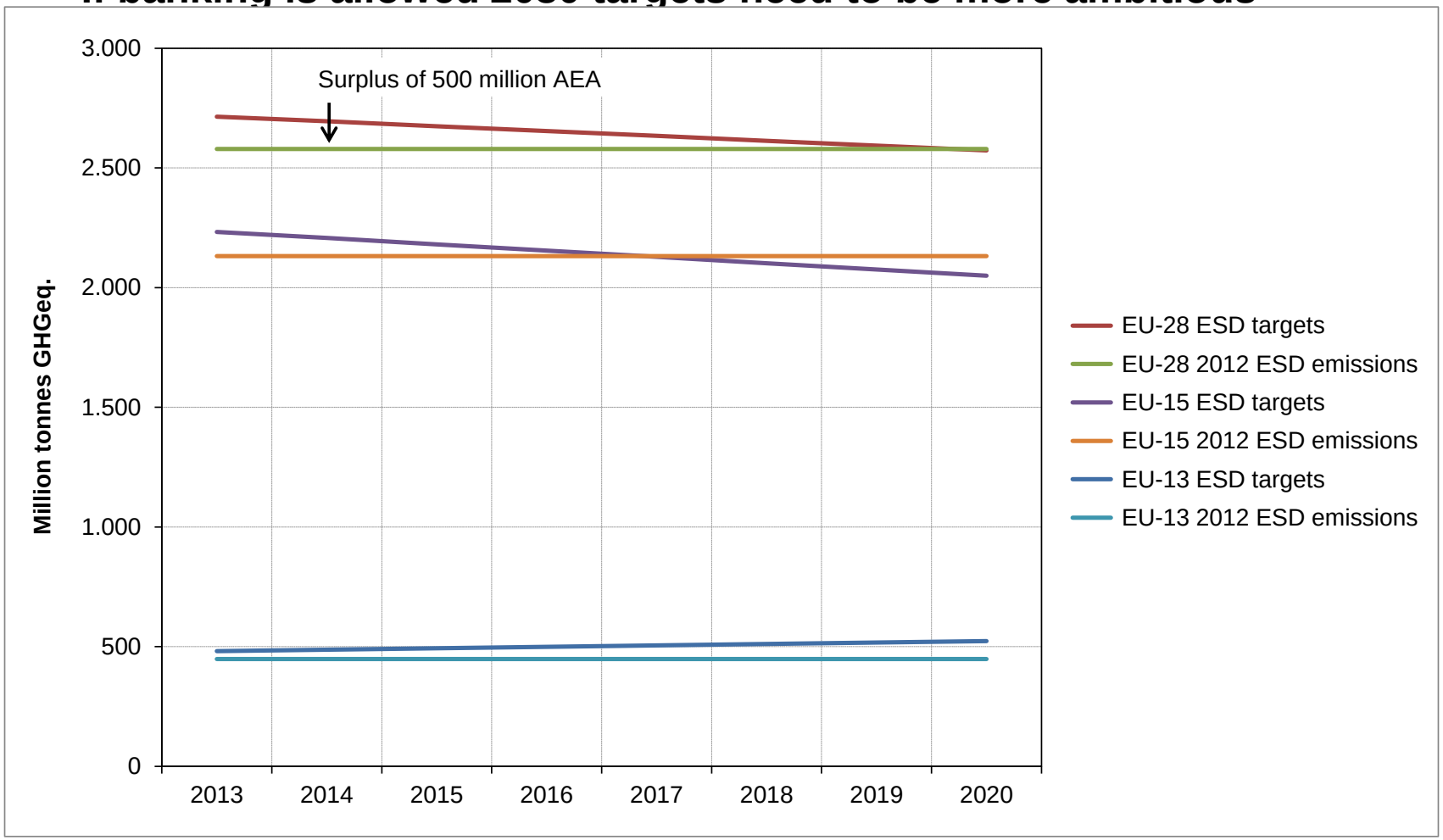
- **In 2011 ESD emissions were 9% below 2005 levels**
- **ESD emission limit > projected emissions → surplus in ESD**
- **CER/ERU use not necessary (increases surplus)**




Source: EEA Trends and Projections report (2013)

# Surplus in ESD sectors (ESD emissions constant at 2012 levels)

- **Surplus in the range of 500 million AEA (10% of 1990 emissions)**
- **If banking is allowed 2030 targets need to be more ambitious**




Source: own calculation

# Per capita emissions in main ESD sectors per country (2011)

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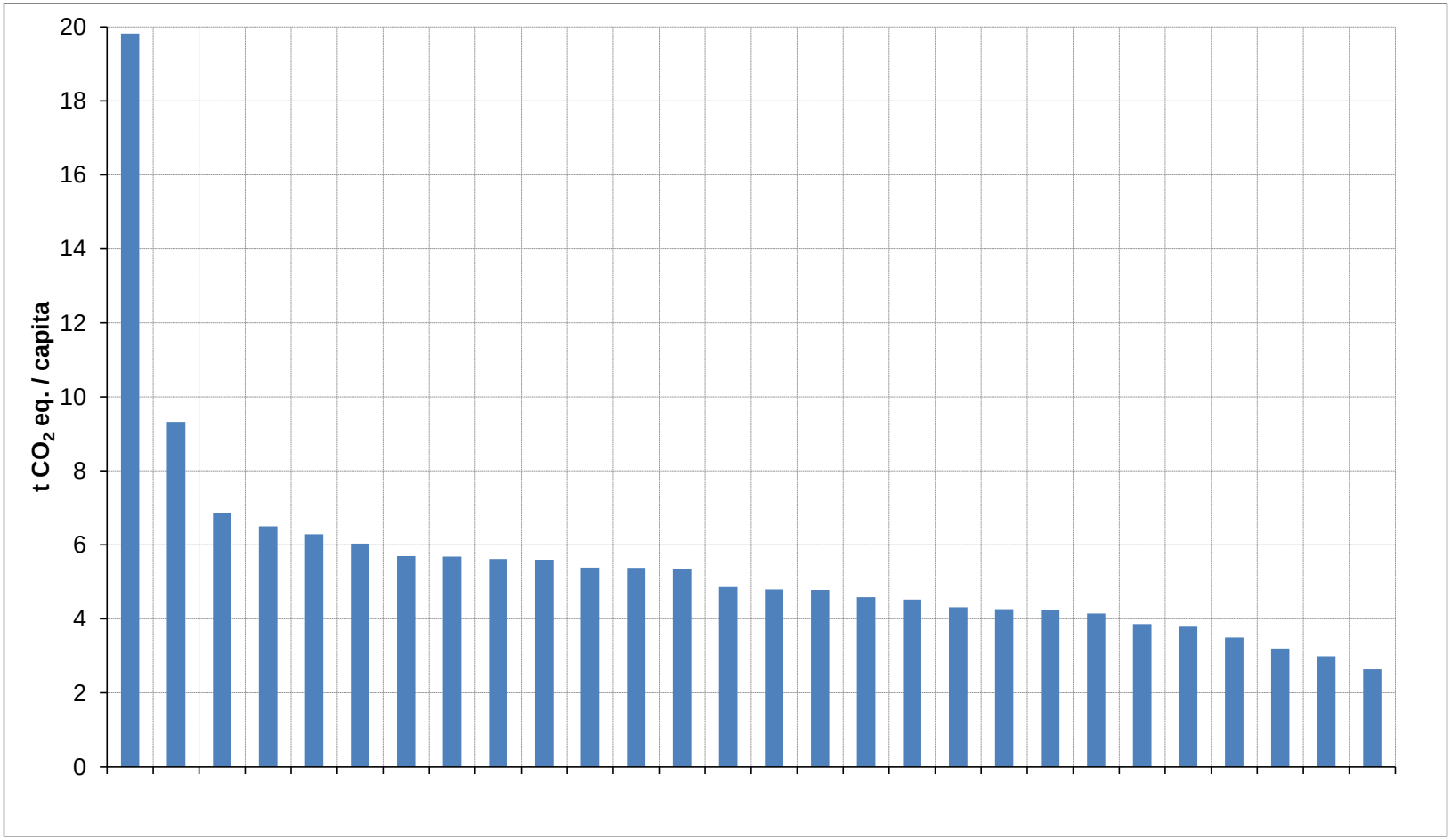
- **Average emissions 5 t CO2 eq. / capita**
- **Which country has the highest emissions/capita in ESD sectors?**




Source: Own illustration based on EEA GHG dataviewer; Eurostat (population)

# Per capita emissions in main ESD sectors per country (2011)

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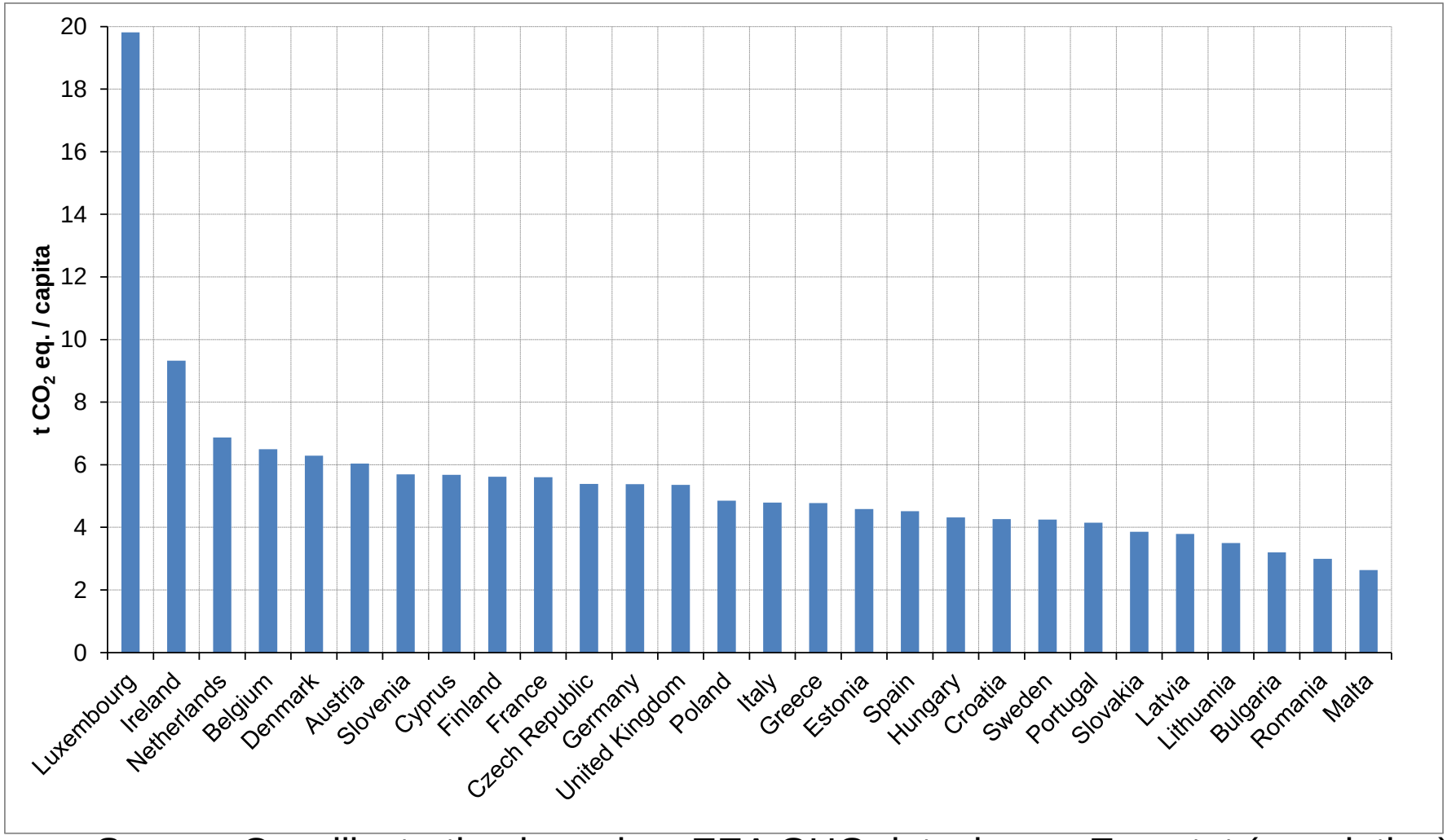
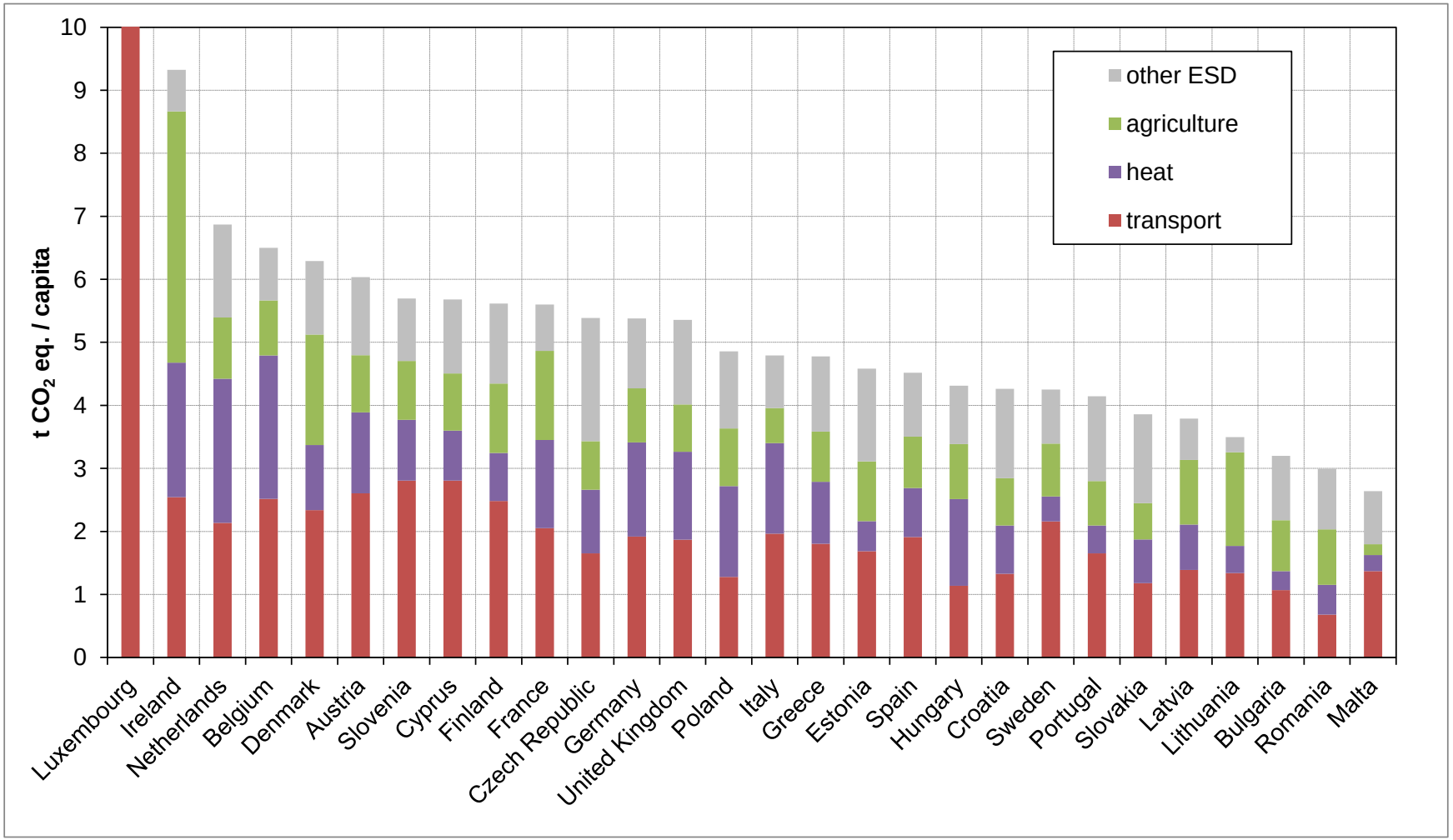
- **Fuel tax discounting drives emissions in Luxemburg**




Source: Own illustration based on EEA GHG dataviewer; Eurostat (population)

# Most important ESD sectors per country (2011)

- **Transport, heat and agriculture**




Source: Own illustration based on EEA GHG dataviewer; Eurostat (population)

# Lessons learned

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- **2030 targets need to take the expected surplus from 2013 to 2020 into account (1% if surplus is consumed over 10 years)**
- **No CDM under normal circumstances to avoid surpluses**
- **CDM/JI should only be allowed as a safety valve**
- **Long term perspective (2°C) is incompatible with growth targets**
- **High per capita emissions indicate high potential for abatement**

- **Options to distribute the Effort in 2030**
  - 2005 baseyear & GDP differentiation (different options discussed by Verdonk and Hoff 2013)
  - Linear reductions from 2020 ESD targets (initial COM proposal, 2008)
  - Equal per capita (carbon budget approach)

# Outlook 2030:
# Example: ESD emissions -31% below 2005

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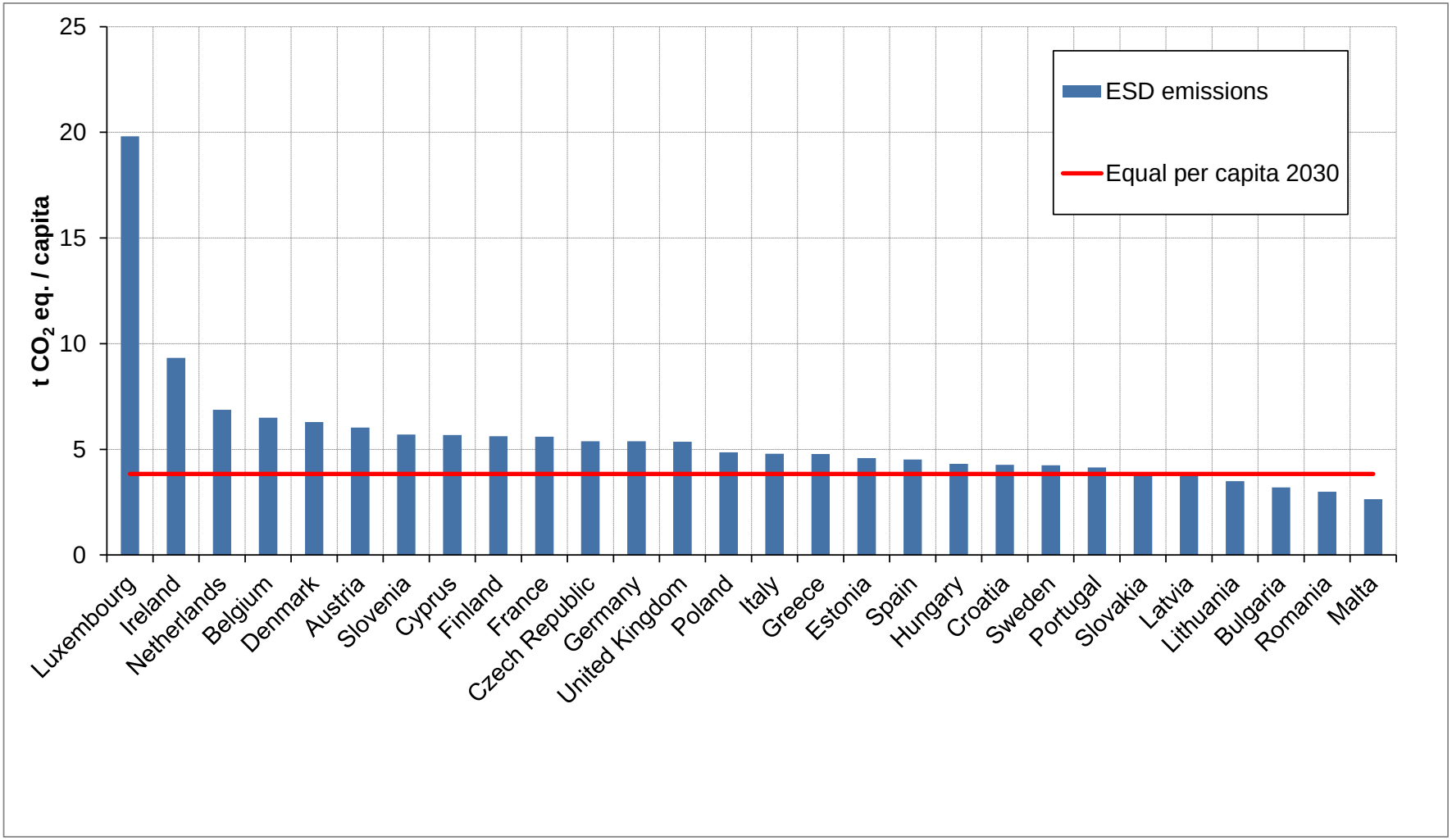
- **Equal per capita →fair, simple, rewards early action**



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# Thank you very much

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