



Vice: Greenland (Denmark) is Melting 3:30-8:25

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'The Nut Behind the Wheel' to 'Moral Machines:' A Brief History of Auto Safety

Why is the EU concerned about Climate Change?

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- Rising sea levels threaten coastal communities
 - Extreme weather hurts food production
 - Heatwaves have caused thousands of deaths in Europe
 - Water and food shortages can fuel conflict
 - Small increase in temperature could extinct 20%-30% world's species
 - First 11 years among the 21st century were the warmest on record since 1880
 - Cost of not doing anything is estimated at \$100 billion per year by 2020 (externality- health costs, flooding)
- Question: Top 3 sources that cause GHG in EU?

Introduction
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- Why is the Environment important?
- Global Issue
 - Youth Issue
- Focus:
- EU Domestic Strategy
 - EU International Negotiations
 - Canada and EU climate relations



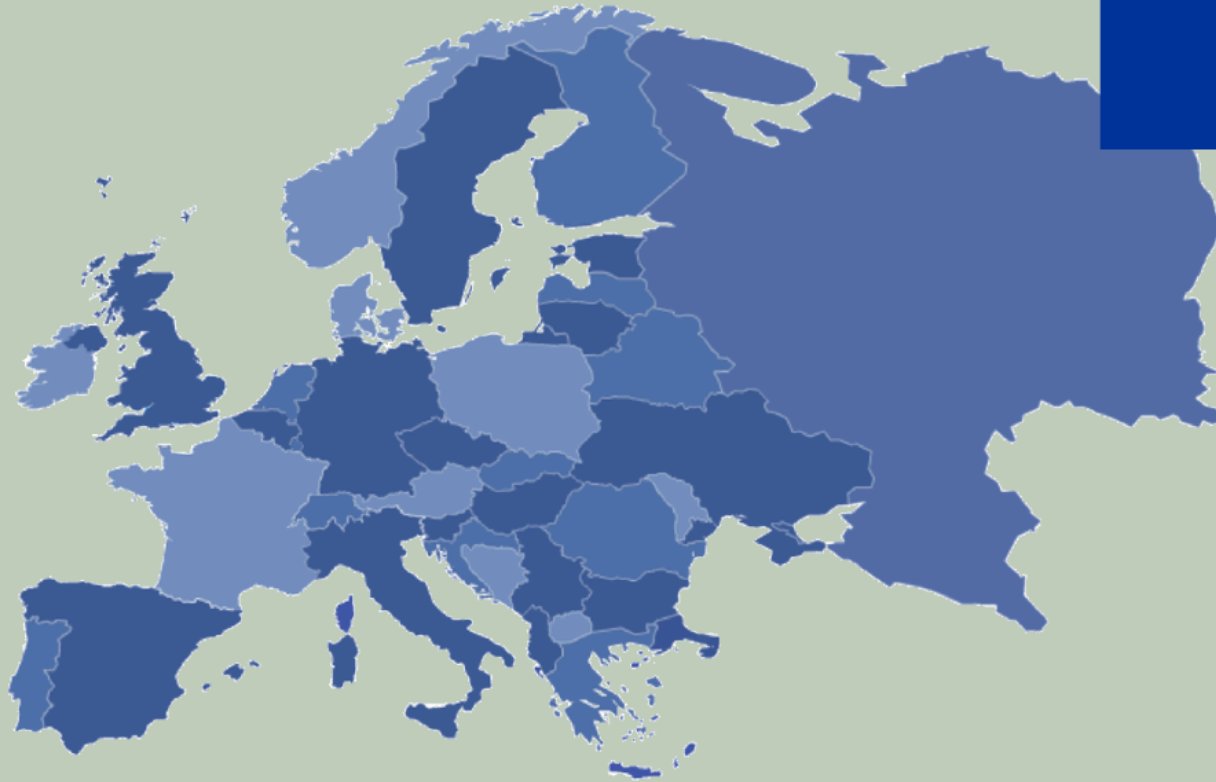
Introduction

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EU History

Integration - History of Western Europe - Beginning of the 19th century
1815 - Treaty of Paris which led to the European Coal and Steel Community
First two countries to use the same name (West Germany and France) gave their territories to each other to build the 1st world War II
Members that helped and the war caused the public war
The six founders of the EU are Belgium, France, Germany, Italy, Luxembourg and the Netherlands.

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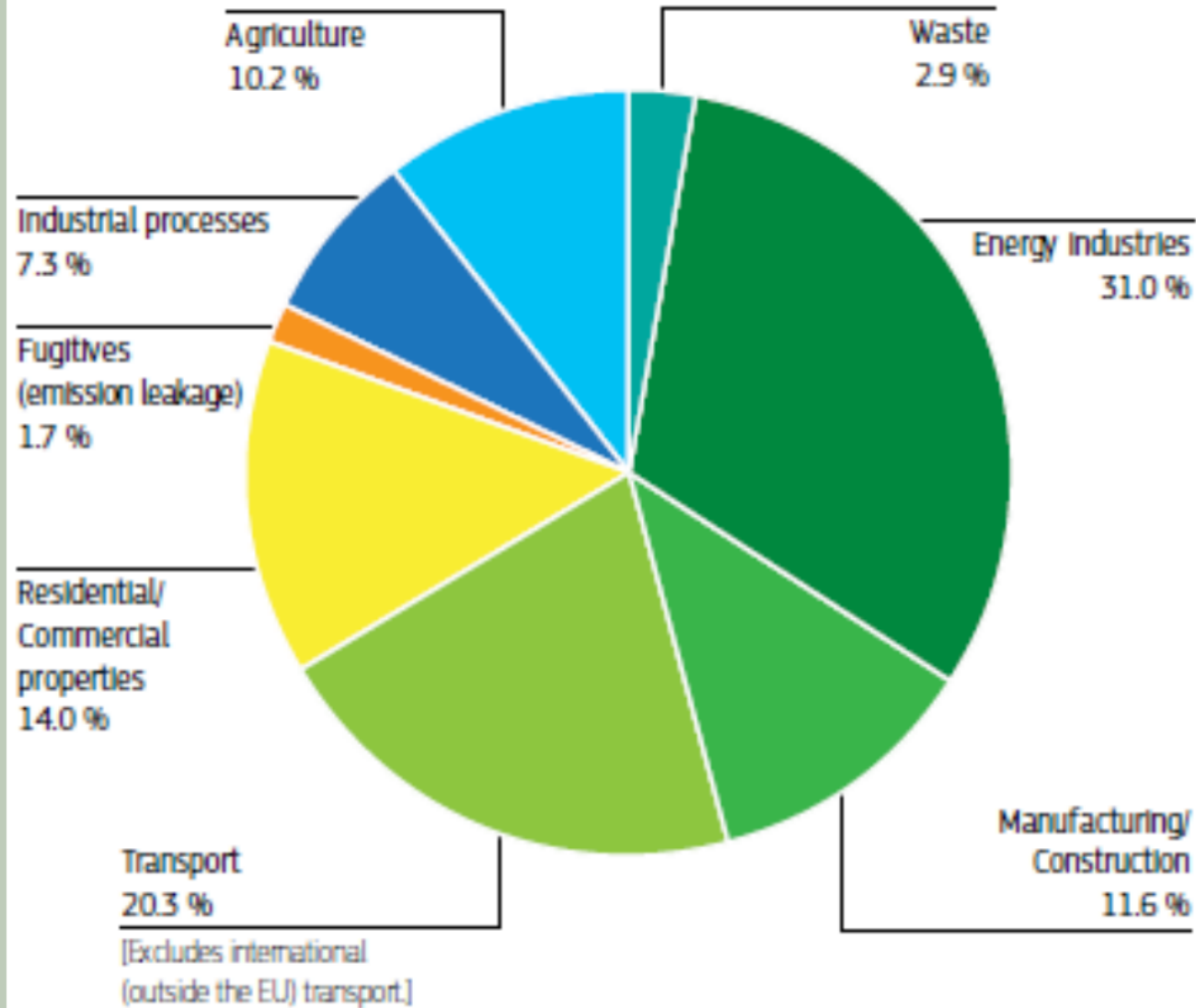
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Bonus: Which country has highest rate of GHG per capita?

Total greenhouse gas emissions by sector in the 27 EU countries, 2011

European countries affected by rising sea level



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- Netherlands
- Germany
- UK
- France
- Italy
- Denmark
- Norway
- Ireland

EU's Scientific Stance

- 97% of world's scientists believe climate change is real and humans have created the problem
- EU wants to cap global warming temperatures at 2% (pre-industrial levels)
- EU works with and supports the findings of the UN-ICC (Intergovernmental Panel on Climate Change UN)

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EU Domestic Policies

Main Goals

- Investing in green/innovative technologies
- Invest in road/air transport
- Capture industrial emissions
- Raising awareness
- Help/Fund developing countries

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- 2020- Package (Short vision)
- 2030- Framework (Middle Goals)
- 2050- Road map (Long run)

EU Targets

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- **2020:** 20-20-20
 - 20% reduction in green house gas emissions from 1990 (Kyoto slide)
 - 20% raise in the share of EU energy consumption produced from renewable energy
 - 20% improvement in EU energy efficiency
- **2030:**
 - 40% reduction in GHG gas compared to 1990
 - Increasing renewable energy at 27% (Binding for member states)
 - New Governance framework proposed- transparency from the EU member state level
- **2050**
 - Grants to new researchers and developers of new technologies
 - Invest \$270 billion (1.5GDP) on average in green energy over next 30 years
 - EU would save \$270 billion in oil costs per year cutting emissions of 80%-95% of 1990 levels by 2050
 - Use 30% less energy in 2050 compared to 2005