



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

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?

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Safety, Environment and Health

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

Grand Patrick Murray  
2nd Year MA Global Contexts University  
Strathclyde in EU/US

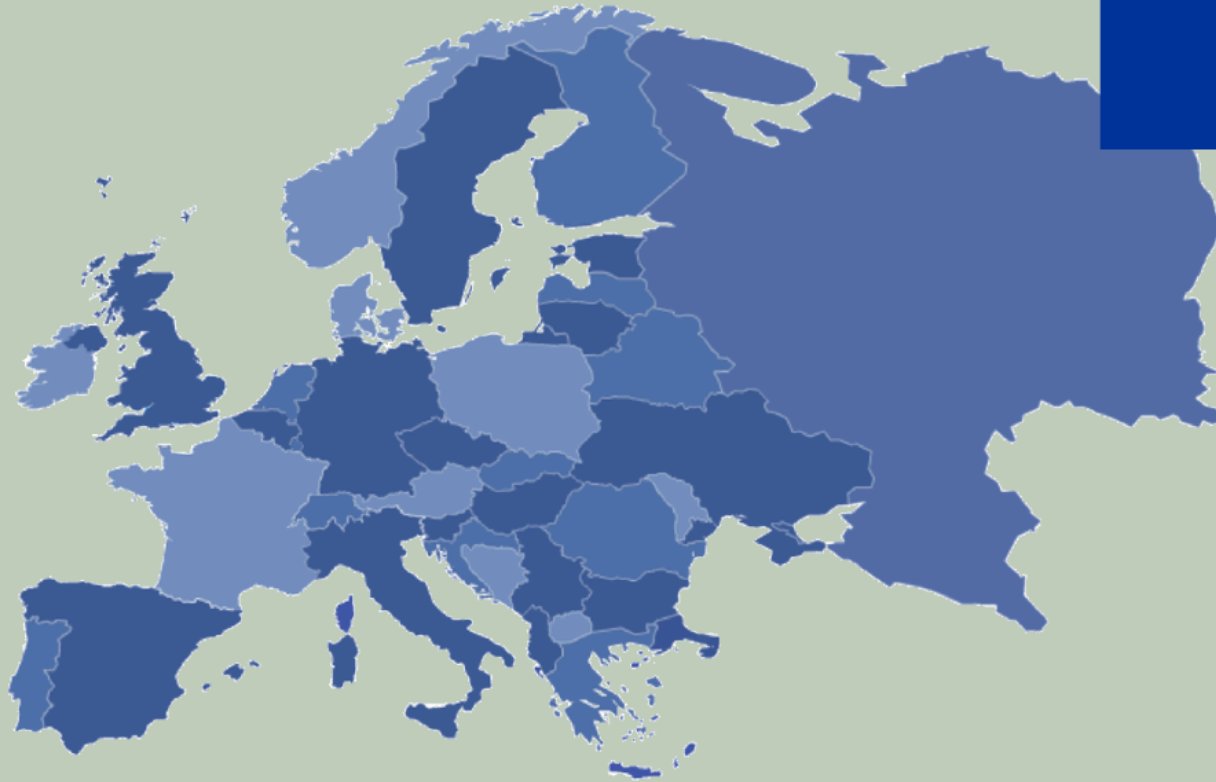


EU History



Integration - focused on Western Europe - beginning of the cold war  
1950s - Treaty of Paris which led to the European Coal and Steel Community  
First two countries to use the dollar were West Germany and France  
Hoping for more European to join to build the 1st world  
1960s - 1963 - 1964 - 1965 - 1966 - 1967 - 1968 - 1969 - 1970 - 1971 - 1972 - 1973 - 1974 - 1975 - 1976 - 1977 - 1978 - 1979 - 1980 - 1981 - 1982 - 1983 - 1984 - 1985 - 1986 - 1987 - 1988 - 1989 - 1990 - 1991 - 1992 - 1993 - 1994 - 1995 - 1996 - 1997 - 1998 - 1999 - 2000 - 2001 - 2002 - 2003 - 2004 - 2005 - 2006 - 2007 - 2008 - 2009 - 2010 - 2011 - 2012 - 2013 - 2014 - 2015 - 2016 - 2017 - 2018 - 2019 - 2020 - 2021 - 2022 - 2023 - 2024 - 2025 - 2026 - 2027 - 2028 - 2029 - 2030 - 2031 - 2032 - 2033 - 2034 - 2035 - 2036 - 2037 - 2038 - 2039 - 2040 - 2041 - 2042 - 2043 - 2044 - 2045 - 2046 - 2047 - 2048 - 2049 - 2050 - 2051 - 2052 - 2053 - 2054 - 2055 - 2056 - 2057 - 2058 - 2059 - 2060 - 2061 - 2062 - 2063 - 2064 - 2065 - 2066 - 2067 - 2068 - 2069 - 2070 - 2071 - 2072 - 2073 - 2074 - 2075 - 2076 - 2077 - 2078 - 2079 - 2080 - 2081 - 2082 - 2083 - 2084 - 2085 - 2086 - 2087 - 2088 - 2089 - 2090 - 2091 - 2092 - 2093 - 2094 - 2095 - 2096 - 2097 - 2098 - 2099 - 2100

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# Introduction

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- Youth Issue

Focus:

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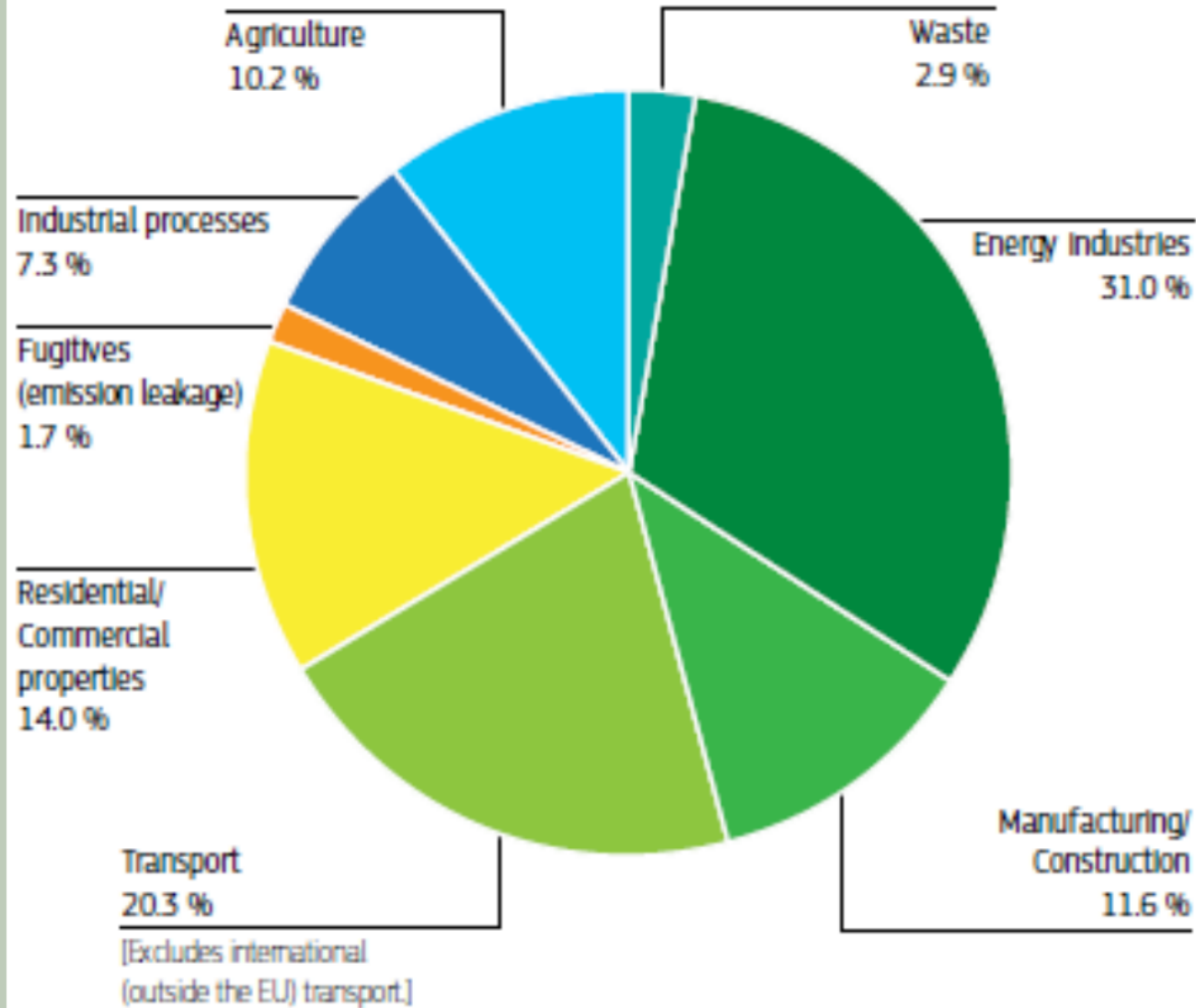
# Why is the EU concerned about Climate Change?

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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