

# Nationally Determined Contributions (NDCs) Overview of Greece





## Three NDCs of Greece:

The basic pillars of the NECP include:

→ *Greenhouse gas emissions reduction:*

- Reduction of greenhouse gas emissions > 42% compared to the emissions of 1990 and reduction of greenhouse gases > 56% compared to the emissions of 2005.
- achieving quantitative targets for the reduction of specific air pollutants.
- withdrawal of lignite power plants by the year 2028.



## Three NDCs of Greece:

The basic pillars of the NECP include:

→ increase the share of R.E.S in energy consumption:

- The share of RES in the final consumption to be at least 35%.
- The share of RES in the final consumption of electricity to be at least 60%.
- The share of RES in the transport sector to exceed 14%.
- The share of RES for heating and cooling needs to exceed 40%

## Three NDCs of Greece:

The basic pillars of the NECP include:

→ *Improving energy efficiency:*

- Improve energy efficiency by 38% in accordance with the European Directive.
- The final consumption not to exceed 16,50 Mtoe in the year 2030.
- To make an energy upgrade of 3% of the total area of the thermal zone of public buildings.



# Greenhouse Gas Emissions and Emissions Targets

Data Source

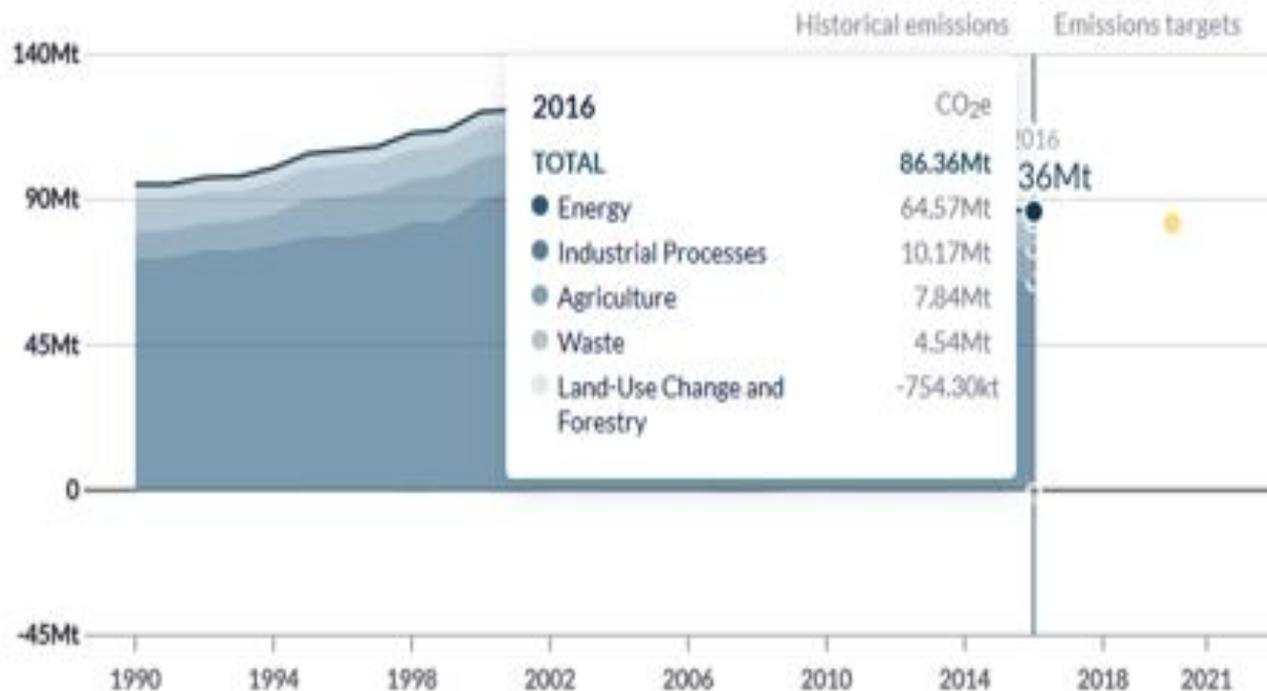
CAIT

Metric

Total



Explore Emissions



# Progress Towards Meeting NDCs



## Progress towards NDCs



- **Waste management plans** have been adopted. The number of illegal landfills that are still in operational has decreased.
- Significantly extended its Natura 2000 sites and has started to implement **a comprehensive integrated project for nature**
- **To deal with water waste** we have started systematic assessment and strategic re-organization of the country's investment needs
- Strategies for **upgrading the efficiency of building's energy**  
ex: providing incentives to household owners for insulating the buildings

## Progress towards NDCs /2



- The generation of **electricity by lignite** has been **reduced** while electricity from **renewable** energy systems has been **increased**
- Money incentives have been given to buy **electric Cars**
- Greece has been preparing **a ban on single-use plastics**
- Project **“Saving at home”**

# Priorities



# Priorities

The Top Environmental Priorities for our government towards meeting the NDCs should be:

- Withdraw all lignite factories. Lignite is Greece's most important indigenous energy resource. However, there has been an agreement between the members of the European Union that all lignite factories should be withdrawn. The Greek government has set a goal to actually withdraw all lignite factories by 2028.





- Solve the environmental problem of landfills. Greece has always had problems with illegal landfills and there are still about 50 of them in operation. Greece, over the years, has paid numerous of fines worth of millions of euros. Despite, not only are landfills not being shut down but some of them are reopening.
- Other issues:
  - management of gas emissions (by, for example, wider use of public transport),
  - compost bins, there aren't any and no plan for them
  - addressing urban sewage problems and waste management

# Role/ Responsibility in Continent



# Political impact of Greece in the EU

- Greece only has 21 out of 705 members in the European Parliament which means there is a small political impact.



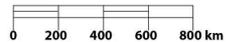
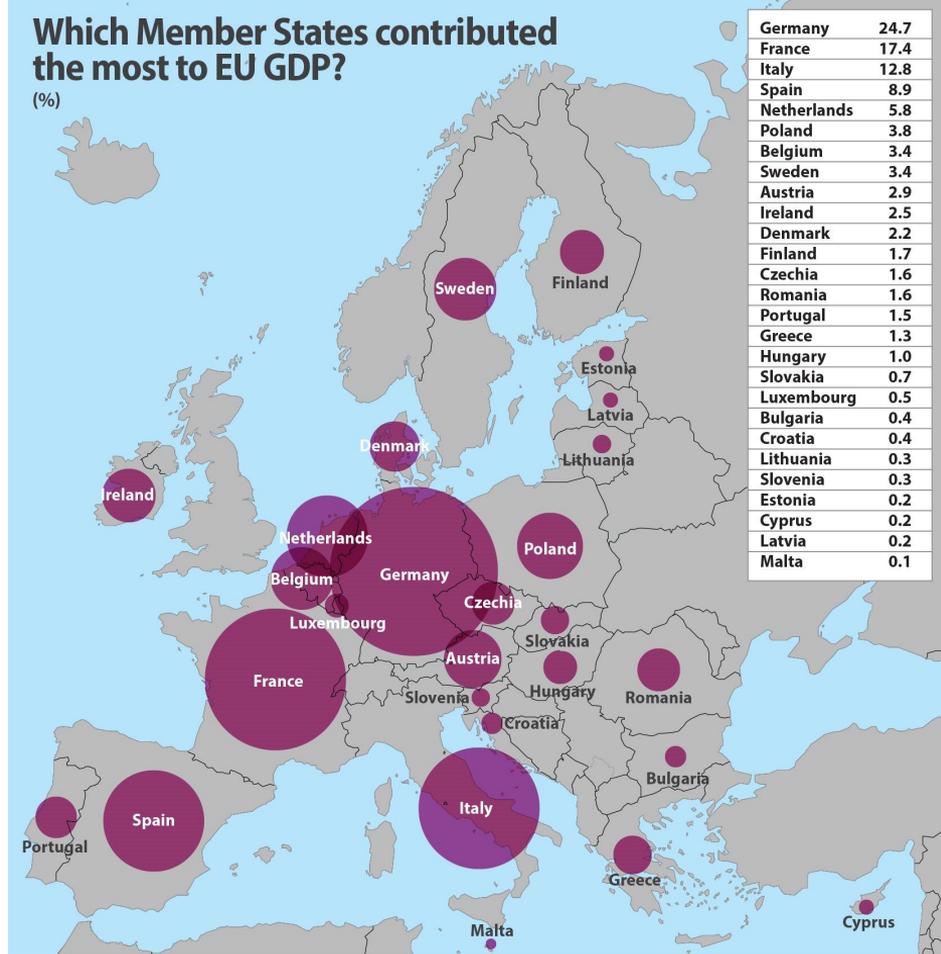
## Natural resources and GDP contribution.

- The Economy of Greece is based on the service (80%) the most important of them being tourism and shipping and **industrial sectors** (16%). Having few natural resources which only providing just 0.16 percent of the total GDP. For comparison, the world average in 2018 based on 186 countries is 6.6%
- In 2019 Greece was ranked as 16th largest economy in the 27-member European Union.
- About 2% of Europe's GHGs were emitted by Greece in 2019.



# Which Member States contributed the most to EU GDP?

(%)



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Cartography: Eurostat – IMAGE, 05/2020

# Youth Action



# YOUTH can best help our government meet the NDCs by...

- Organizing a climate summit, where children can speak and make their voices heard
- Asking to add subjects on climate change in the school curriculum
- Organizing campaigns to convince the youth to use less plastic
- Insisting on more green areas in our cities



# Thank you

Anastasia

Daniel

Ellie

Helen

Katiana

