

# NATURAL ENGINEERS

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# TRANSPORT

- ▶ Transport is already recognised as the great polluter of the environment, partly due to the use of fossil fuels, partly due to exhaust gasses as the by-product of combustion, and another problem is the growing noise pollution
- ▶ more than 30% of the overall energy consumption globally is accounted to transport
- ▶ emissions of greenhouse gases form transport in 2014 were by almost 70% higher compared to 1990



# ECO - DRIVING

- ▶ Eco-driving has been recognised as one of the most efficient measures to stimulate energy efficiency in transport at EU level
- ▶ Eco-driving can be defined as a smart and efficient manner of driving, which in the best way uses the advantages of the new technologies in traffic



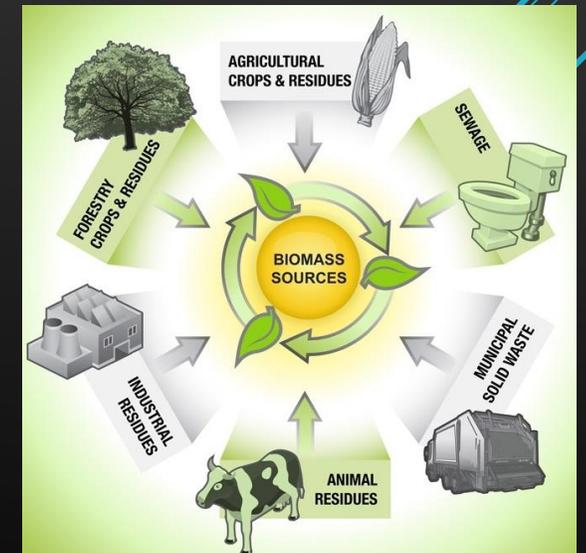
# THE ADVANTAGES OF ECO-DRIVING ARE NUMEROUS:

- ▶ Reduces GHG emissions
- ▶ Reduces local emissions of noxious gases
- ▶ Reduces noise
- ▶ Increases traffic safety, contributes to the more responsible driving
- ▶ Improves driving abilities
- ▶ Reduces fuel consumption
- ▶ Reduces vehicle maintenance costs



# RENEWABLE ENERGY SOURCES INCLUDE:

- ▶ Kinetic energy of the wind (wind power)
- ▶ Solar power
- ▶ Biomass
- ▶ Thermal energy from the Earth's core and hot springs (geothermal energy)
- ▶ Potential energy of watercourses (hydropower)
- ▶ Potential energy from tides and sea waves
- ▶ Thermal energy of the sea



# RENEWABLE ENERGY SOURCES IN CROATIA



- ▶ As an EU Member State, the Republic of Croatia committed to transpose the European energy-climate package, which includes Directive 2009/28/EC on the promotion of the use of energy from renewable sources
- ▶ Croatia committed to increase the use of energy from renewable sources, where the share of RES in gross final consumption by 2020 should amount to no less than 20% at EU level
- ▶ The **Energy Development Strategy of the Republic of Croatia until 203 with an outlook to 2050** envisages a significantly greater share of energy from RES, greater energy efficiency, and reduction of GHG emissions
- ▶ This is also stated in the **Integrated National Energy and Climate Plan (NECP) for the period 2021 – 2030**, envisaging reaching the target of 13.2% share of RES in direct energy consumption in transport

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Partner schools:

GESAMTSCHULE DER STADT HEMER, Hemer, Germany

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