

# Development of the Green Economy in Croatia

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# Green economy

The model of green growth that leads to the **green and low carbon economy**:

- effectively use resources
- resistant to climate change
- structural economic changes that are primarily driven by a lack of resources, technological changes and innovations, new markets, and changes in demand in industry and among consumers

# Green economy

In Croatia, as well as the potential for contribution to green growth and the creation of jobs within the **green economy and circular economy**:

- eco-innovations
- sectors of waste management
- renewable energy and energy efficiency projects and in building construction, transport, industry and services
- sustainable tourism

# Green economy: towards green jobs

- Long-term strategy to stimulate investment in the reconstruction of the national building stock **integrated building renovation by 2020**, the expected impact on employment could amount to between **23 and 39 thousand new jobs**
- The **waste management** sector: double the number of jobs in this sector, from the **current 6,000 to 12,000** in system of separate waste collection and recycling, as well as waste management centers
- **EE and RES could by 2020** result in the creation of **80,000 new (direct and indirect) of green jobs**

# Institutionalization: Greening European Semester

## Cycle of economic and fiscal policy coordination EU

### *Objectives:*

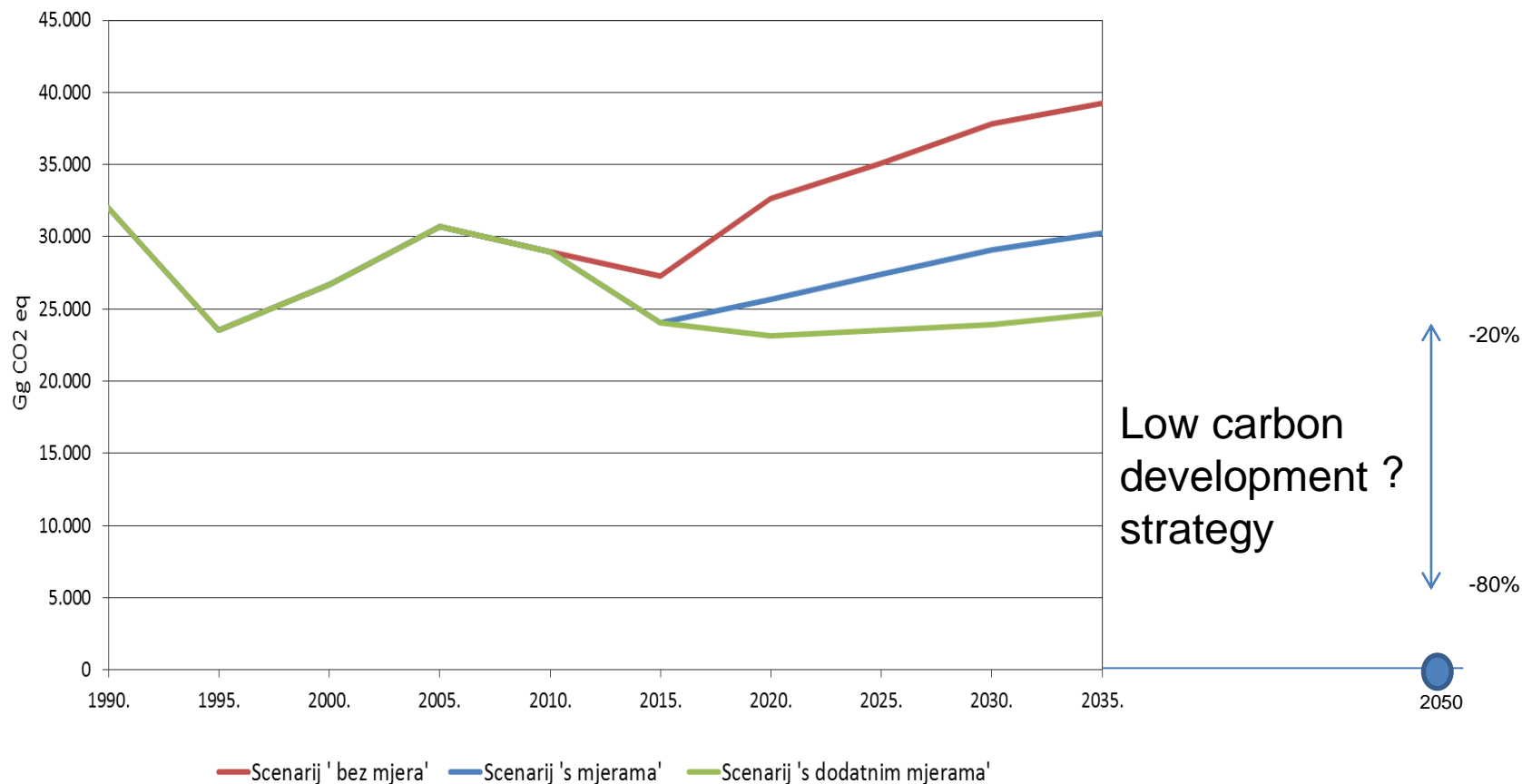
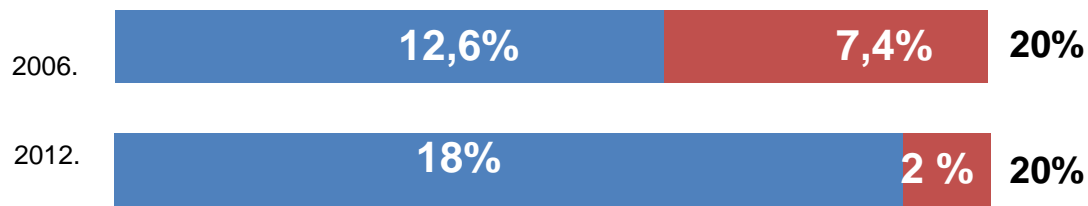
- ensure sound **public finances**
- foster economic **growth**
- prevent excessive macroeconomic **imbalances** in EU

### *Examples:*

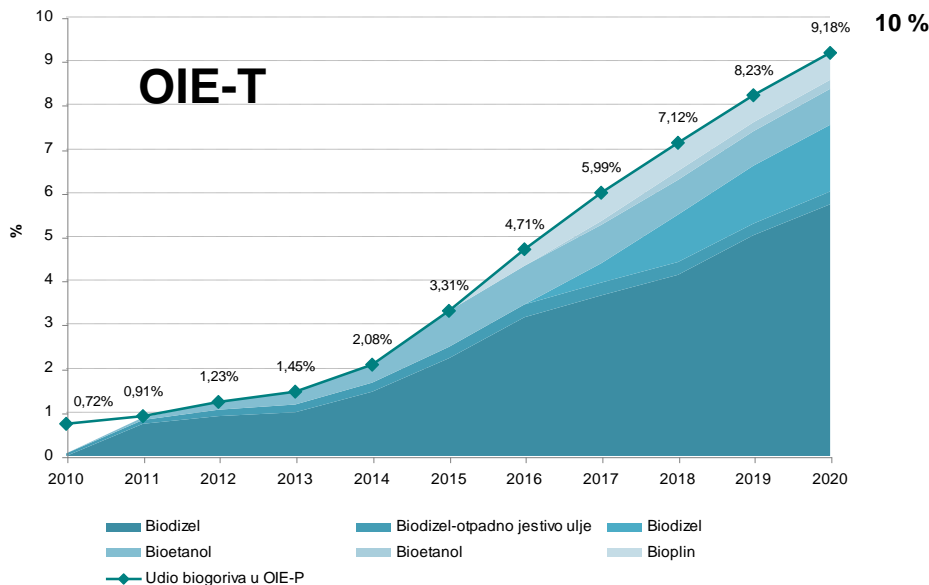
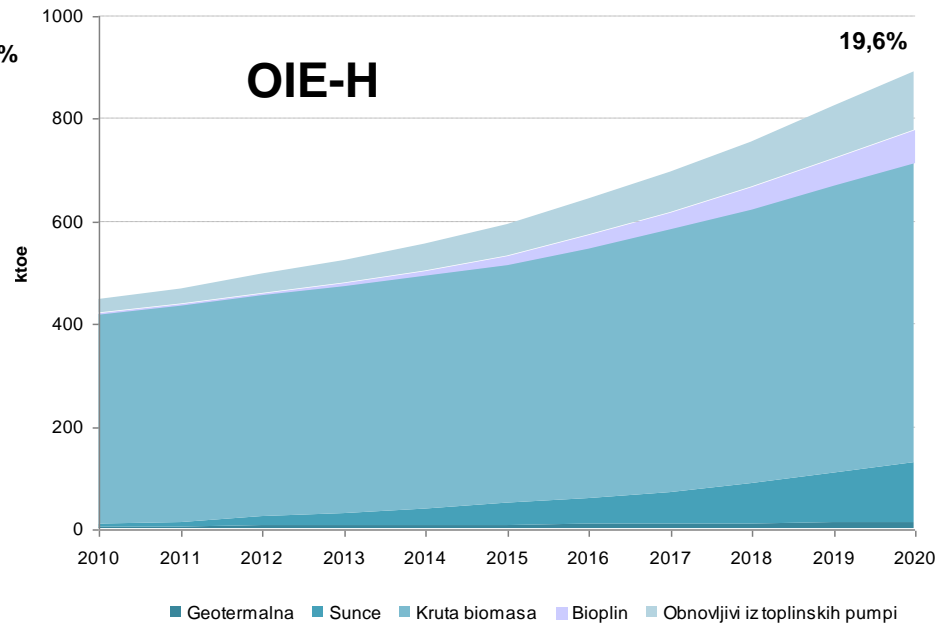
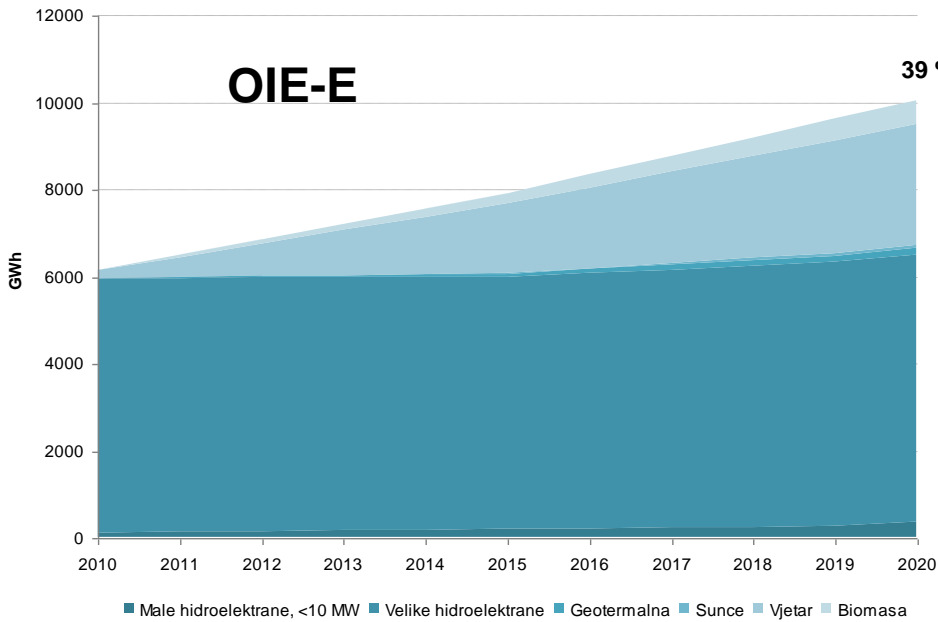
- Resource efficiency & Circular economy (28.10.2014. Council conclusions: "...**resource efficiency is necessary** to use potential of the green economy,,")
- Environmental fiscal reform (**tax shift labour** to resource use and pollution; **phasing out** environmentally harmful subsidies)
- **Investments** in Water & Waste Management as drivers for jobs creation

# Climate and energy: targets 2020 Croatia

## Realization of the target of RES in gross final consumption of Croatia in 2006 and 2013



# Croatia: Dynamic and structure of RES targets realization



Sectors with particular should act:

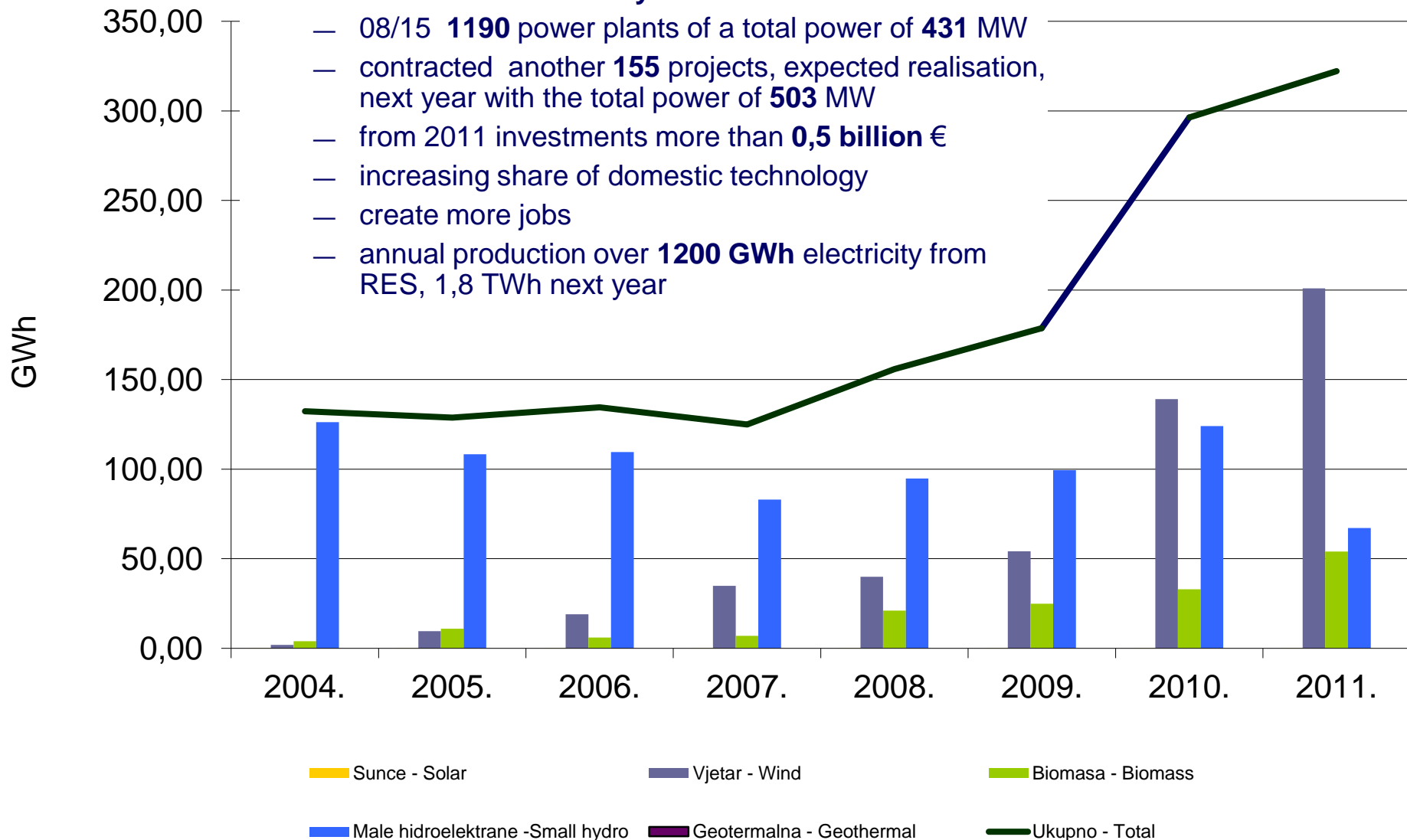
- transport,
- buildings,
- agriculture,
- waste,
- forestry,
- industries.



# RES-E in Croatia in feed-in tariff system

## This created the conditions by 2015:

- 08/15 **1190** power plants of a total power of **431 MW**
- contracted another **155** projects, expected realisation, next year with the total power of **503 MW**
- from 2011 investments more than **0,5 billion €**
- increasing share of domestic technology
- create more jobs
- annual production over **1200 GWh** electricity from RES, 1,8 TWh next year





# EEEPF Investments in EE and RES – up to date

## for 1 € of incentives, 3 € investments

- > more than 16.000 implemented/contracted projects (09/2015)
  - > 1,7 billion kn (223 million EUR) – approved by the Fund
  - > 4,7 billion kn (616 million EUR) – total investments

**Public lighting and industry**

**Sustainable construction (buildings)**

**Renewable energy sources**

**Clean transport**

**Education, research and development**

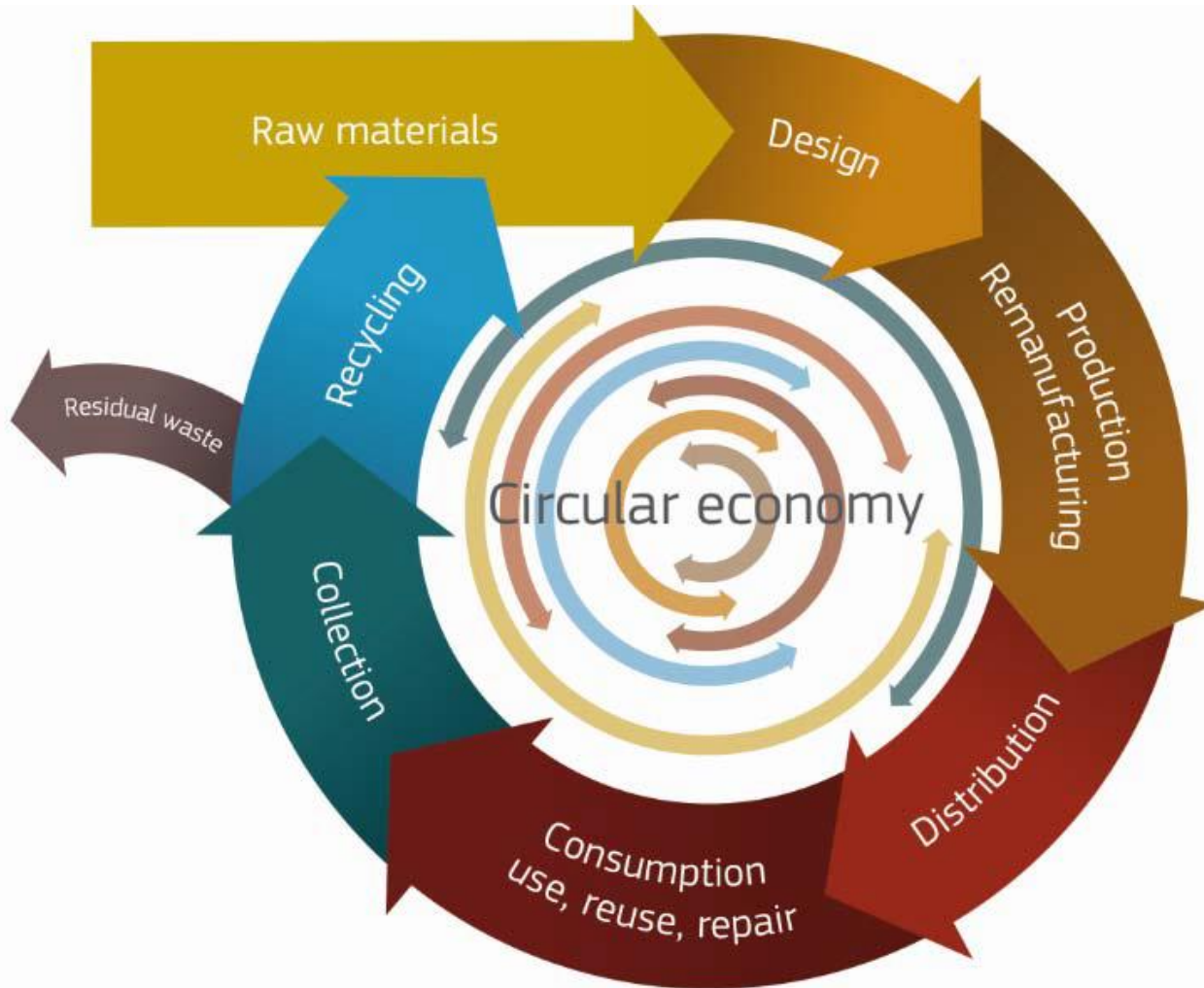
**Other projects (international cooperation, energy policy development and implementation, promotion)**

# Green Public Procurement

The Ministry of Environment and Nature Protection coordinated the development of the **first National Action Plan for Green Public Procurement**

- adopted by the **Government** in August 2015
- covers the period from **2015 to 2017** with a view by 2020
- goal that **by 2020, 50%** of public procurement procedures in Croatia include some of the **criteria of green public procurement**

A circular economy is an industrial system that is restorative or regenerative by intention and design



The concept of circular economy appeared in 1970 and has its origins in the industrial ecology.

Includes re-modeling of industrial systems on the model of the ecosystem and their efficiency in recycling of material resources.

# Working Group on circular economy (CE)

- due to the multidisciplinary CE includes the need of coordination and consolidation many different policy positions
- therefore it is established a working group that links ministries of environment, economy, work, entrepreneurship as social partners and representatives of the business community
- scope of WG:
  - expert support for pRoC positions making related with CE
  - intersectoral coordination issues in CE under the greening of the European semester and the link with the Europe 2020 Strategy
  - Expert support and participation in expert and political bodies in the EU related to CE
  - consideration of possible application of the concept of CE within development and adoption of strategic, legislative and planning documents of the RoC

# THANK YOU FOR YOUR ATENTION



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