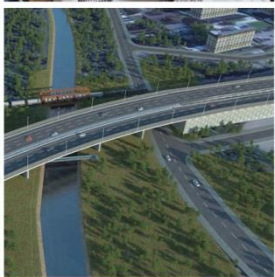
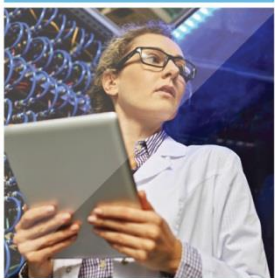




European  
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# Energy Cooperatives and Community Energy

delivering

# CLEAN ENERGY FOR ALL EUROPEANS

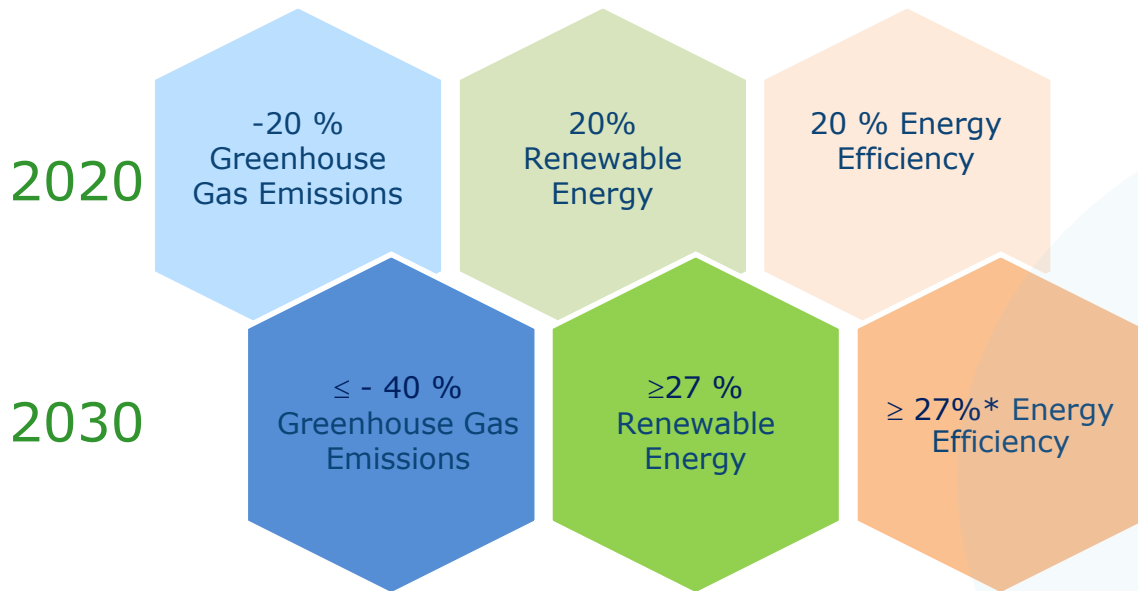
Paula ABREU MARQUES  
Head of Unit, C.1

European Commission – DG ENERGY



# CONTEXT

October 2014: European Council Agreement on Climate and Energy objectives 2030



**Global Leadership**

**Commission's 10 Priorities – Ambition to Become Global Leader in Renewables**

# CONTEXT

More than **1 million people** work in the renewable energy sector



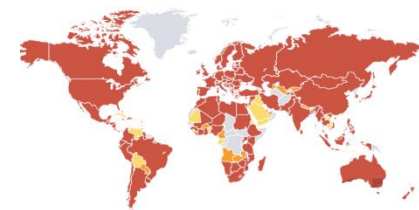
Reduced **dependence on fossil fuels** and **energy imports**: cut fossil fuels use by the equivalent of **Poland's entire** annual energy **consumption**



Renewables are becoming **affordable**: 80% decrease of **PV panel prices** in 5 years



**European leadership**: in 2016 **173 countries** have renewable energy targets



With an estimated renewable energy share of 16.4% of gross final energy consumption in 2015 the **EU is on track to meet the 2020 target**



# CLEAN ENERGY FOR ALL EUROPEANS

energy  
efficiency  
first

global  
leadership in  
renewables

a fair deal  
for  
consumers

# RED II PROPOSAL : MAIN DRIVERS

## Investor uncertainty

- Sufficient investment signals from markets?
- Framework for support schemes post-2020?
- Sustainability of biofuels post-2020?

## Cost-effective deployment

- Not for H&C and transport sector
- Not for technology and geographical potential of RES-E
- No optimal allocation of RES-E across EU

## Absence of functioning markets

- In transport and H&C (external costs)
- No incentives for district heating systems to become more efficient

## Need to update regulatory framework

- No national targets post-2020
- No RES-transport target post-2020
- Variable climate performance of food-based biofuels

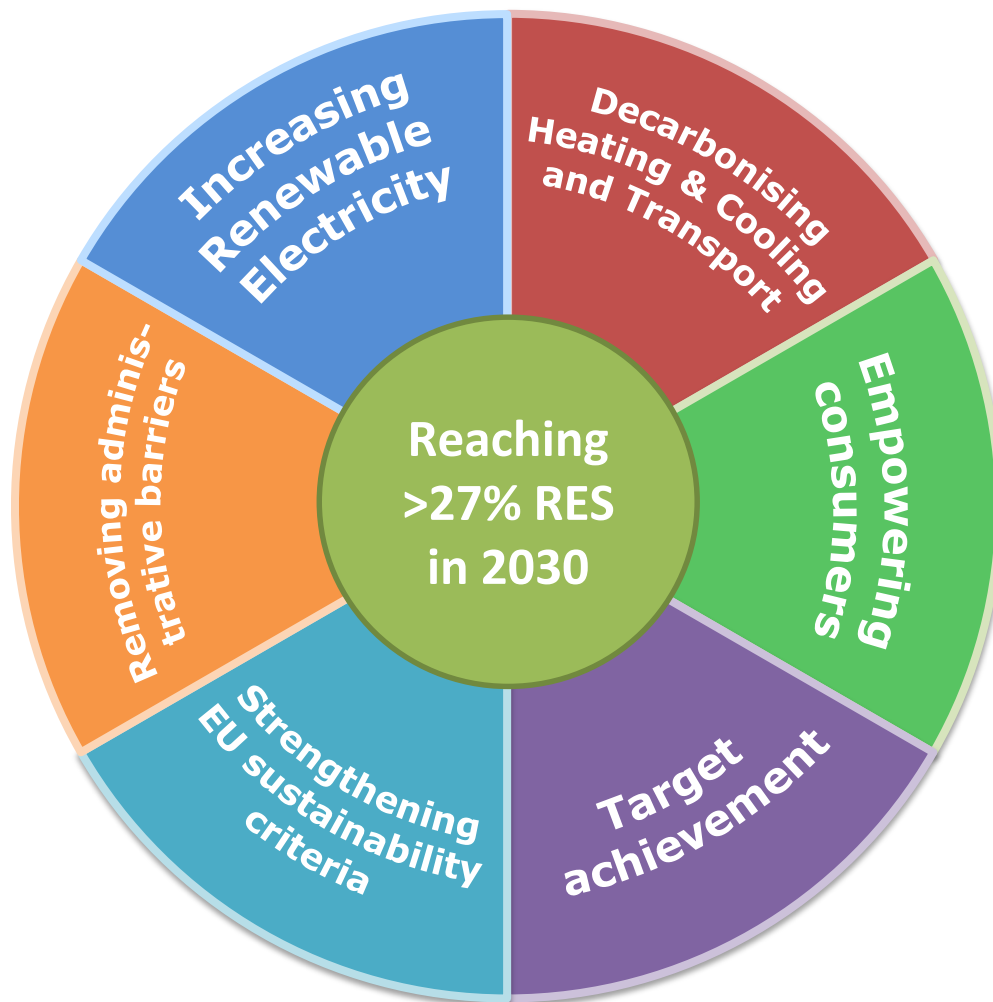
## Citizen buy-in

- Risk for small scale investors in market-based renewables support
- Lack of consumer engagement in the energy transition
- Lack of customer information

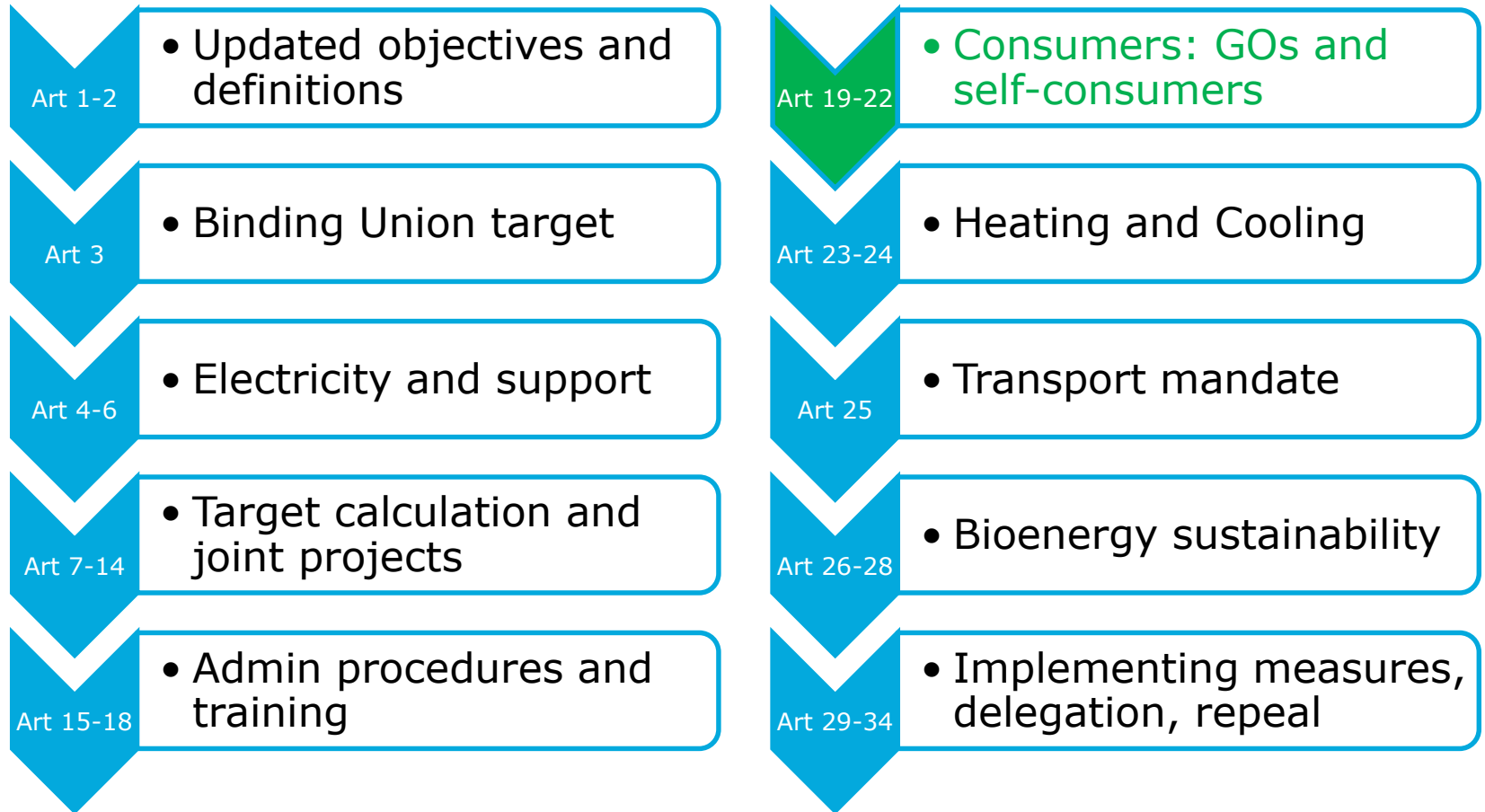
## Bioenergy sustainability

- Climate performance of forest biomass for energy
- Environmental impacts of biomass used in heat and power
- End use efficiency of biomass electricity
- Administrative costs due to different national sustainability criteria

# RED II PROPOSAL : SECTORIAL APPROACH



# RED II PROPOSAL : STRUCTURE



# ART. 22 : ENERGY COMMUNITIES

## What are EU energy communities?

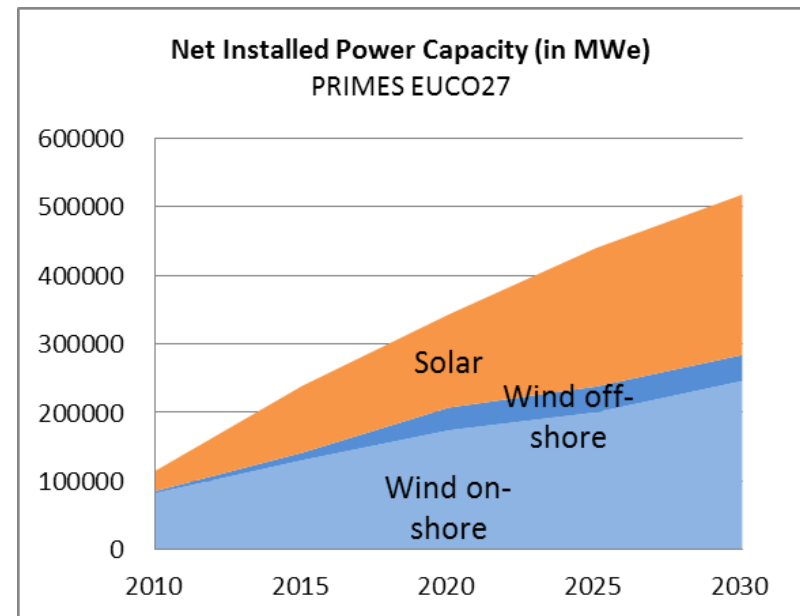
- 2500 initiatives EU-wide
- 75% in AT, DE, DK
- Most of them small-scale => specific issues
- LCOE comparable with utilities
- In 2030, they could represent around 20% of wind and solar capacity



# ART. 22 : ENERGY COMMUNITIES

## Why act at EU level?

- +50% of wind and PV between 2020 and 2030 : need local acceptance to develop most profitable sites
- EU priorities : provide a fair deal for consumers + citizen at the core of the Energy Union
- mobilise private capital



# ART. 22 : ENERGY COMMUNITIES

## How to empower energy communities?

- Propose a definition based on:
  - Company size
  - Open membership and democratic member control
  - Economic participation of local citizens
  - Critical mass
- Facilitate their integration in the energy system
  - Specific rights
  - Tenders
- Consistent approach with retail market proposal (article 16)



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# THANK YOU!

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