



# EU Policy beyond 2020 – RES Communities

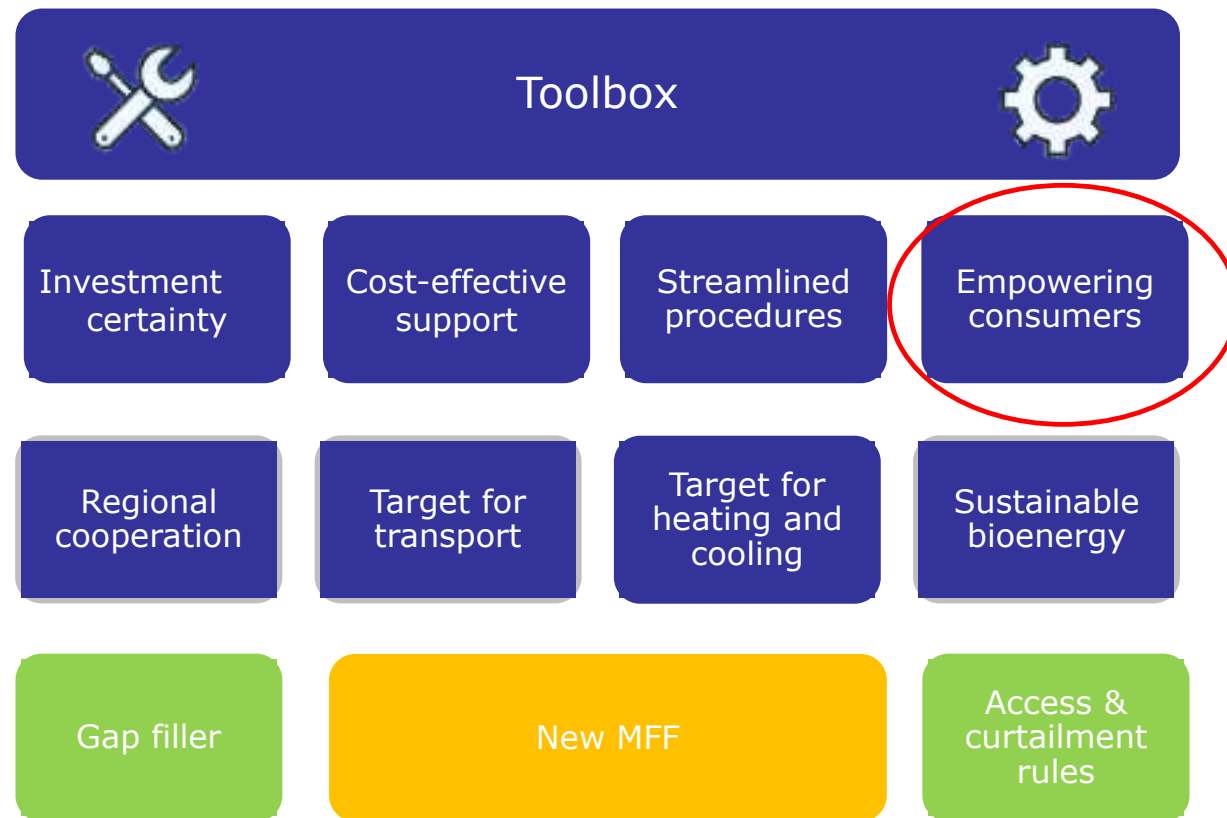
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Sofia Pinto Barbosa

[sofia.pinto-barbosa@ec.europa.eu](mailto:sofia.pinto-barbosa@ec.europa.eu)

DG ENER, C1- Renewables Unit

# NEW MEASURES TO ACHIEVE THE 2030 RES TARGET



# Communities and Citizens empowerment: Why?



- Increase public acceptance of new projects
- Mobilise private capital for the energy transition
- Increasing flexibility in the market
- Democratisation of the Energy System

# Empowering Consumers: How?

Robust framework for Self-Consumption



Promoting renewables Communities



Fostering Long Term RES PPA



Enhancing Guarantees of Origin



# Types of Prosumers

| Category                         | Type of Energy        | Parties Involved                                   | Scope of Energy flows/Sharing   | Implementation by MS |
|----------------------------------|-----------------------|--|---|----------------------|
| RES Self Consumer                | Renewable Electricity | Same Customer                                      | Within its premises within local boundaries<br><b>(physical boundaries)</b> | <b>Mandatory</b>     |
|                                  |                       |  | Within other premises (based on ownership)                                  | Optional             |
| Different Customers              |                       | Located in the same building (physical boundaries) | <b>Mandatory</b>  |                      |
|                                  |                       | With other Members (based on membership)           | <b>Mandatory</b>  |                      |
| Jointly Acting RES Self-Consumer | Renewable Energy      | Different Customers                                | With other Members (based on membership)                                    | <b>Mandatory</b>     |
| REC                              |                       |  |   |                      |
| Active Customer                  | Any Electricity       | Same Customer                                      | Within its premises within local boundaries (physical boundaries)           | <b>Mandatory</b>     |
|                                  |                       |  | Within other premises (based on ownership)                                  | Optional             |
| Jointly Acting Consumers         |                       | Different Customers                                |   | <b>Mandatory</b>     |
|                                  |                       |  | With other Members (based on membership)                                    | <b>Mandatory</b>     |
| CEC                              |                       |  |   |                      |

## RECs and CECs - overview



### Renewable Energy Communities (RECs)

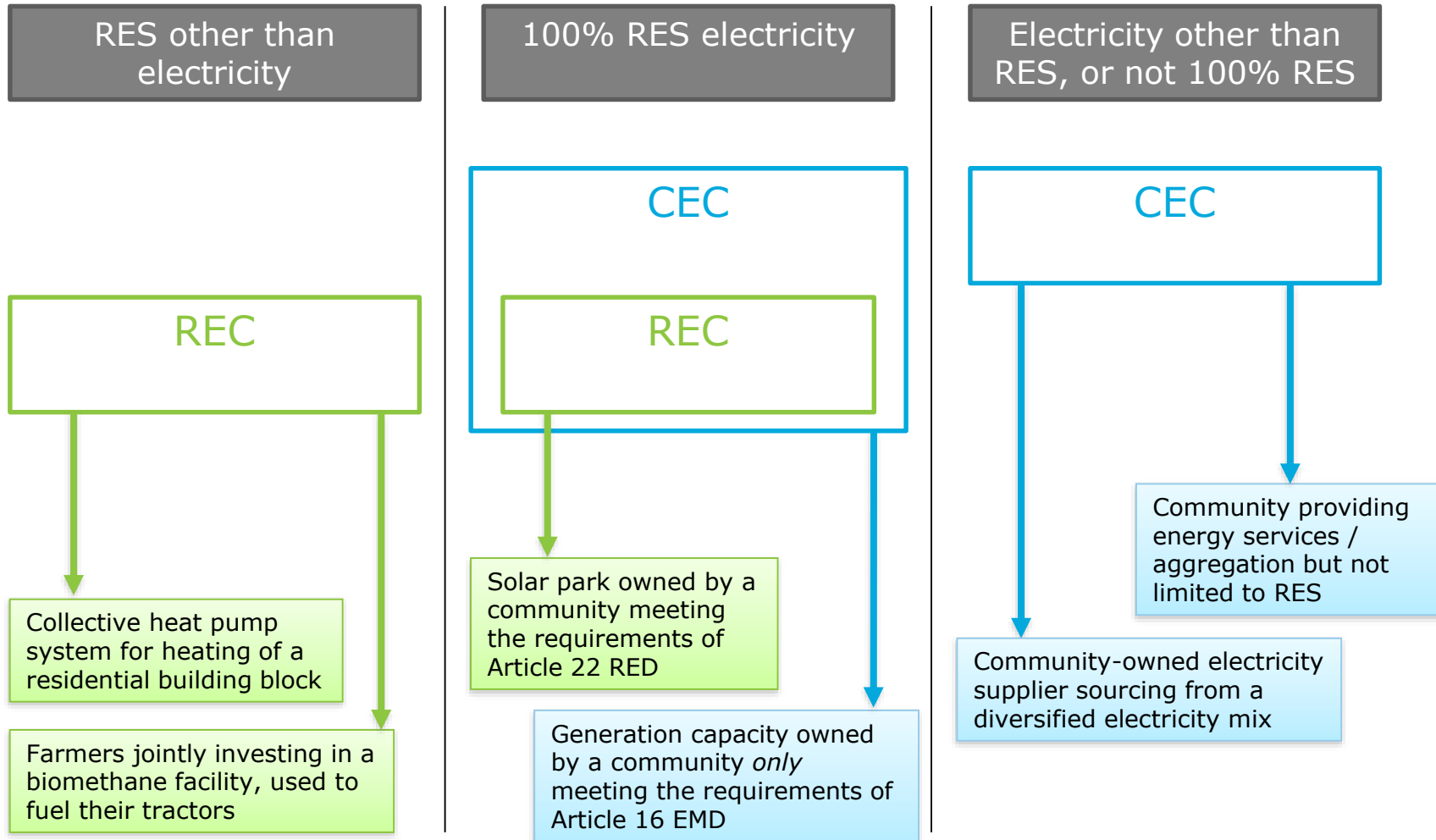
- ✓ Defined in RED II – Article 22
- ✓ Promotion of RES
- ✓ Favorable conditions for RES support
- ✓ Strict governance and participation criteria
- ✓ Geographical proximity
- ✓ **Enabling Framework**

### Citizen Energy Communities CECs

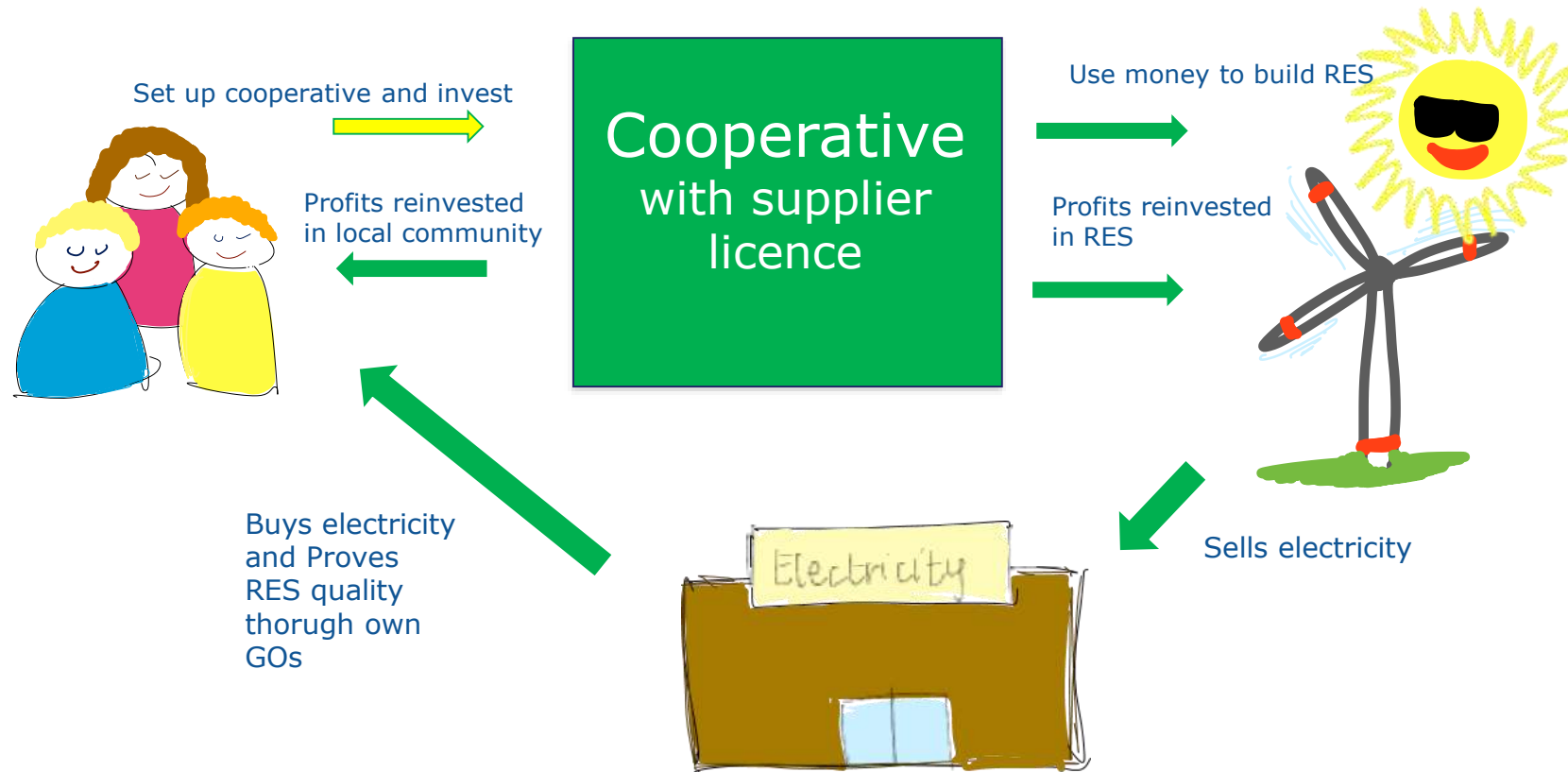
- ✓ Defined in Electricity Directive - Art. 16
- ✓ Recognition as a market actor
- ✓ Ensure level playing field and non-discrimination
- ✓ Strict governance criteria, but open membership
- ✓ No geographical proximity

- Both RECs & CECs aim to provide environmental, economic or social community benefits for members or the local area
- Both RECs & CECs can engage in the activities of generation, storage, selling, sharing, aggregation or other energy services, distribution

# RECs and CECs - Examples

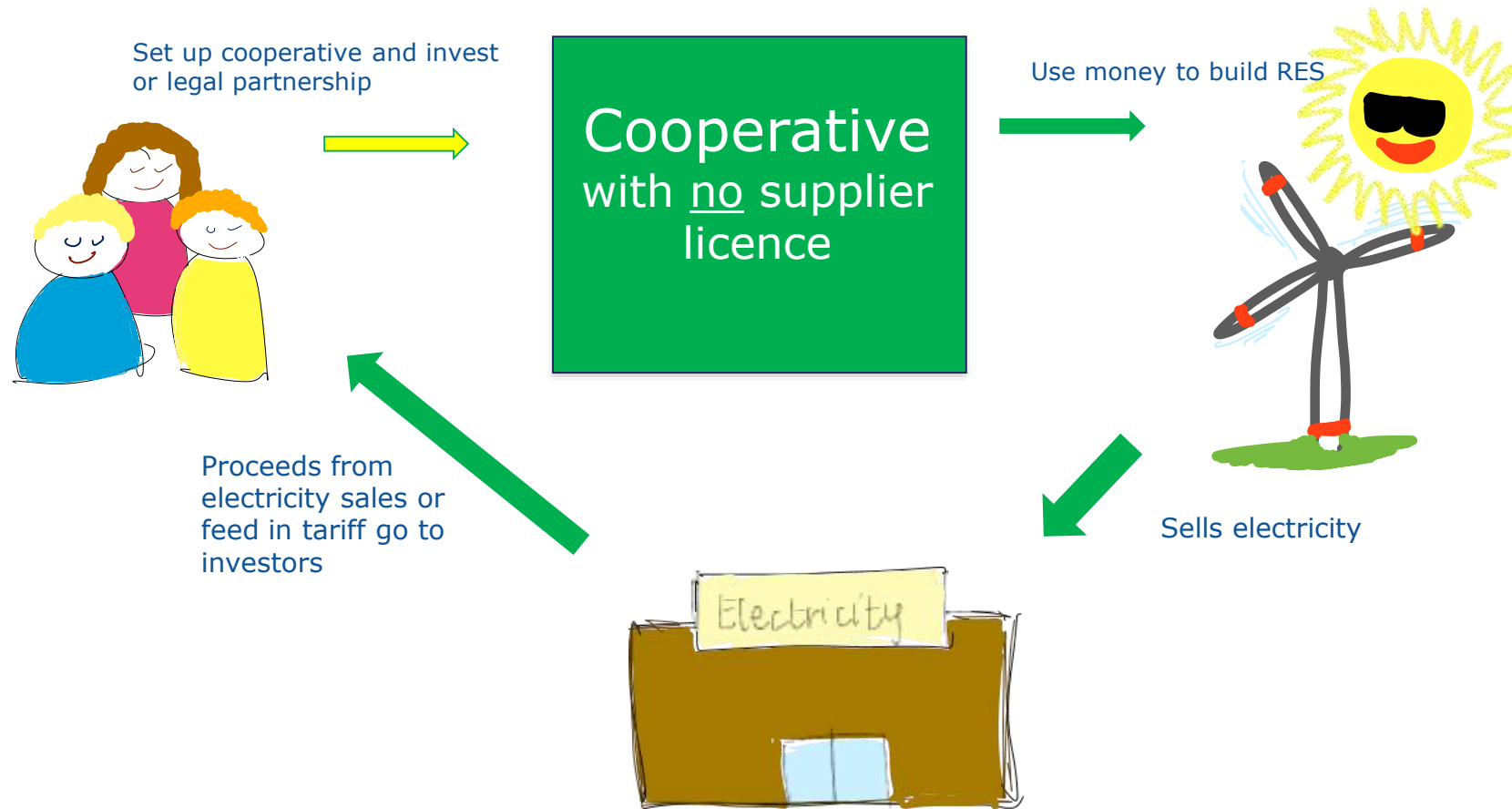


# Existing models, e.g. PT, BE, ES

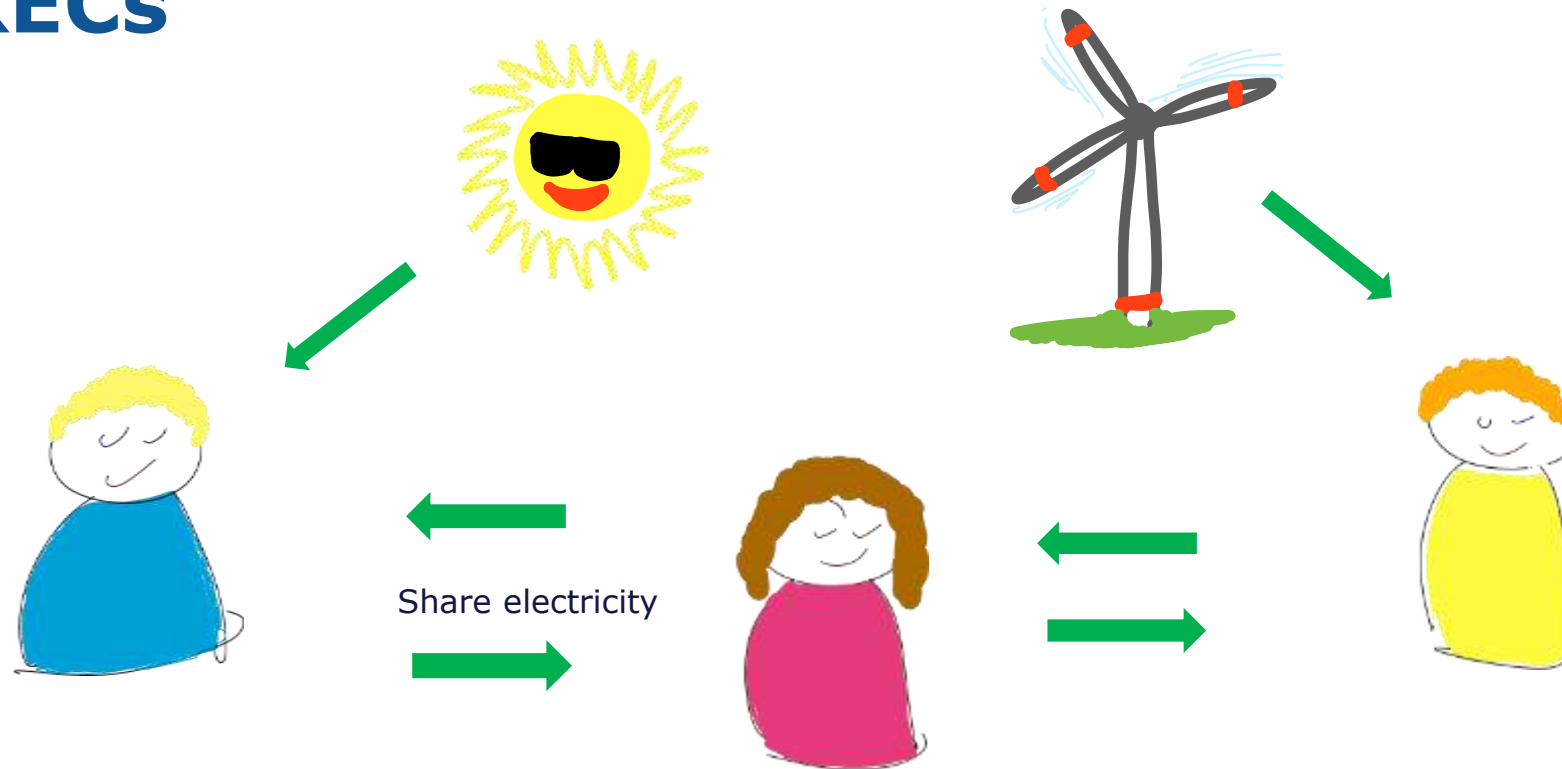




# Existing models, e.g. PT, DE, DK



# New opportunities due to CECs and RECs



**NEW:** energy sharing / peer-to-peer possibility

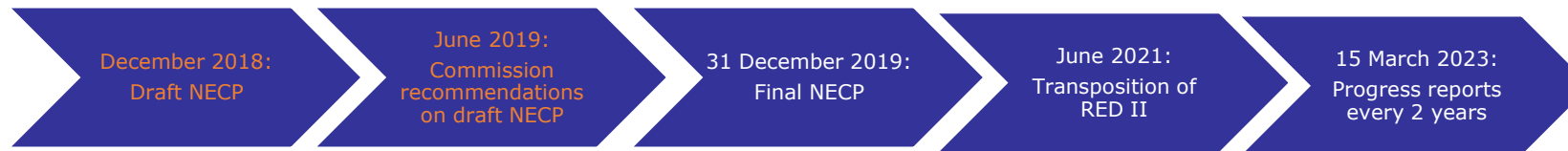
**CHALLENGE:** redefining consumer/supplier relationship and regulate new configurations appropriately



## SETTING UP AN ENABLING FRAMEWORK FOR REC

- ✓ Unjustified Regulatory and Administrative barriers to be removed
- ✓ Cooperation with DSO for intra-community transfers
- ✓ Fair, proportionate and transparent licensing procedures and subject to cost reflective charges (network & others)
- ✓ Accessible to all consumers
- ✓ Facilitated access to finance and information
- ✓ Support schemes to take into account REC specificities

## Next Steps



- Final National Energy and Climate plans (NCEPs):
  - RES national objectives and trajectories (e.g. overall and sectoral RES trajectories)
  - Policies and measures to promote deployment of renewables
    - E.g. Enabling Framework for RES Communities
- Transposition of the new Renewable Energy Directive by June 2021 (= implementation in national law)
  - Commission can offer guidance to MS on how to implement RED II
- Monitoring by the Commission on the assessment of the implementation of the NECPs & REDII



European  
Commission

# BACKUP

# Applicable charges

|  |   | Network charges   | Other charges or fees  |
|--|---|---|--|
| <b>Article 16 EMD</b><br>Sharing within a CEC  | General rule                            | <b>cost-reflective</b> network charges [...] ensuring that they contribute <b>in an adequate and balanced way to the overall cost sharing of the system</b>   | <b>non-discriminatory, fair, proportionate</b> and transparent charges [...] ensuring that they <b>contribute in an adequate and balanced way to the overall cost sharing of the system</b>  |
|  | When sharing electricity within the CEC | <b>applicable</b> charges [...] <b>in accordance with a transparent CBA</b> of distributed energy resources by competent national authorities   |  |
| <b>Article 22 RED</b><br>REC   | General rule                            | <b>cost-reflective</b> network charges, [...] ensuring that they <b>contribute in an adequate, fair and balanced way to the overall cost sharing of the system, in line with a transparent CBA analysis</b> of distributed energy sources by national competent authorities | <b>relevant</b> charges, levies and taxes, [...] ensuring that they <b>contribute in an adequate, fair and balanced way to the overall cost sharing of the system, in line with a transparent CBA analysis</b> of distributed energy sources by national competent authorities |
| <b>Article 15 EMD</b><br>Active customers  |   | <b>cost-reflective</b> , transparent and <b>non-discriminatory</b> charges, accounting separately for the electricity fed and electricity consumed, ensuring that the <b>contribute in an adequate and balanced way to the overall cost sharing of the system</b>           | <b>no disproportionate or discriminatory</b> charges   |
| <b>Article 21 RED</b><br>Individual RES SC, <i>i.e. within premises located within confined boundaries</i> | Elec. injected in / taken from grid     | <b>cost-reflective</b> network charges  | <b>no disproportionate or discriminatory</b> charges   |
|  | Elec. stays behind the meter            | <b>no charges</b>   | <b>no charges</b> (except in the 3 cases foreseen by Art. 21 (3) RED)  |
| Sharing in "joint RES SC", <i>ie within the same building</i>  |   | charges "applicable to each renewables self consumer"   |  |