



Collective self-consumption

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This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 646554

Less than one year of history



July 2016: An ordinance sets the framework for self-consumption, including collective SC

- One or more Producer
- One or more consumer
- In the same legal entity

February 2017: Self-consumption and collective SC are finally defined by a law

> Demand and injection points are situated after a low voltage substation

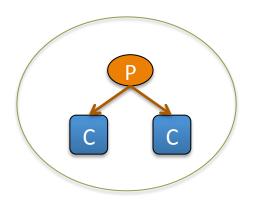
End of April 2017: A draft decree gives the last details regarding collective self-consumption schemes

- Relationships among stakeholders
- Storage

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Collective self-consumption at a glance





Consumers and producers have to be part of a same legal entity.

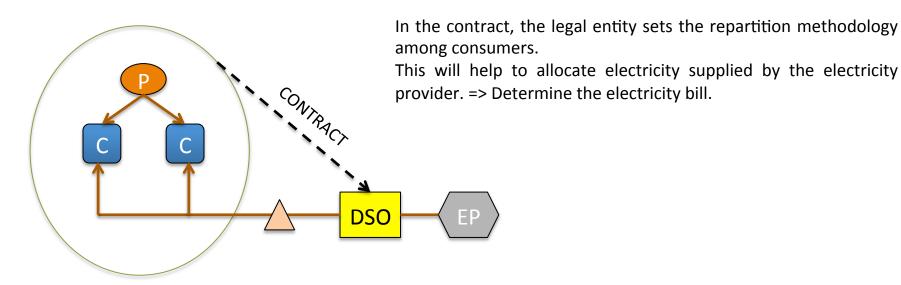
- The form of this entity has to be decided on a case by case basis
- Association, company, cooperative....

The PV installation operated by one producer can not exceed 100 kW.

- C Consumer
- Producers
- Legal entity Electricity flow

The other stakeholders

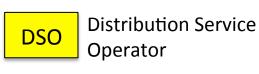


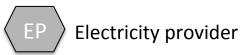
















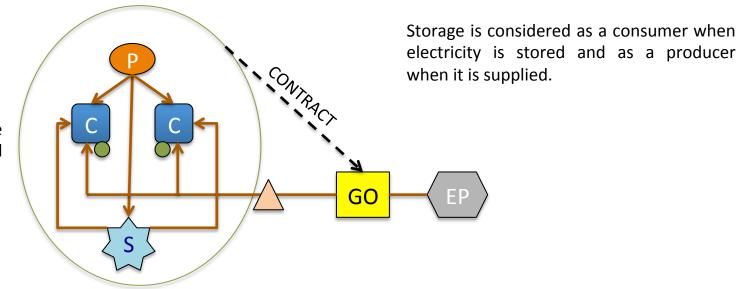
Low voltage substation

The low voltage substation blocks many projects. It is not a barrier on the short-term, but may become one in 1 or 2 years.

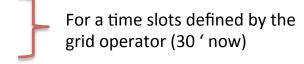
Smart-meters and storage



The grid operator has the obligation to install smart-meters



Production for consumers + stored electricity ≤ total production Production for consumers ≤ total production + from storage electricity



- Consumer
- Producers
- Legal entity

- GO Grid operator
- Electricity provider

 Electricity flow

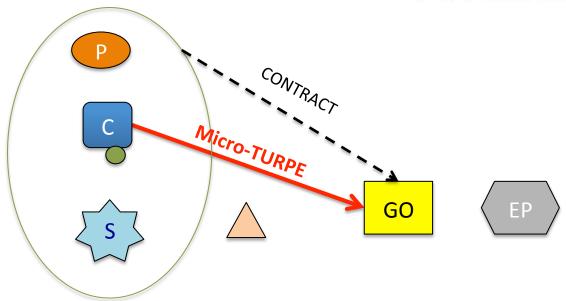
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Low voltage substation

- Smart-meters
- S Storage

Four inputs missing to have the complete overview of collective self-consumption





The TURPE is the price that paid by consumers for the services of the grid operator

- A "micro-TURPE" will be published adapted to self-consumption projects.
- The financial viability of collective self-consumption projects will depend on this micro-TURPE.
- This micro-TURPE amount will be the key for the quantity of collective self-consumption projects that will be achieved

The technical documentation that describes the connection to the grid (deadlines, information needed...).

A contract template between the legal entity and the grid operator is needed.

The limitation of the scope to the same low voltage station will become a barrier in the medium-term.



Thank you for your attention