



EREF
European Renewable Energies Federation

Key Barriers identified by the EU Projects PVP4Grid, EU Heroes & iDistributedPV

Moira Jimeno, eclareon
Project Manager

Johannes Vollmer, EREF
Senior Project Officer



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 764786

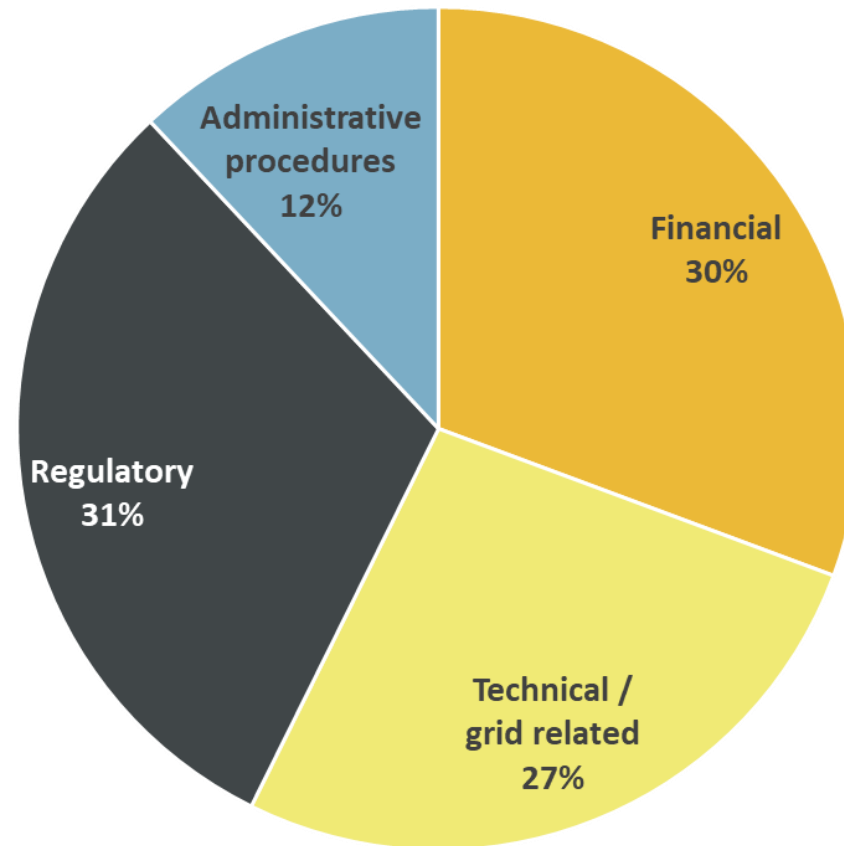


eclareon







Why is there not more PV on the roofs of a city like Barcelona?

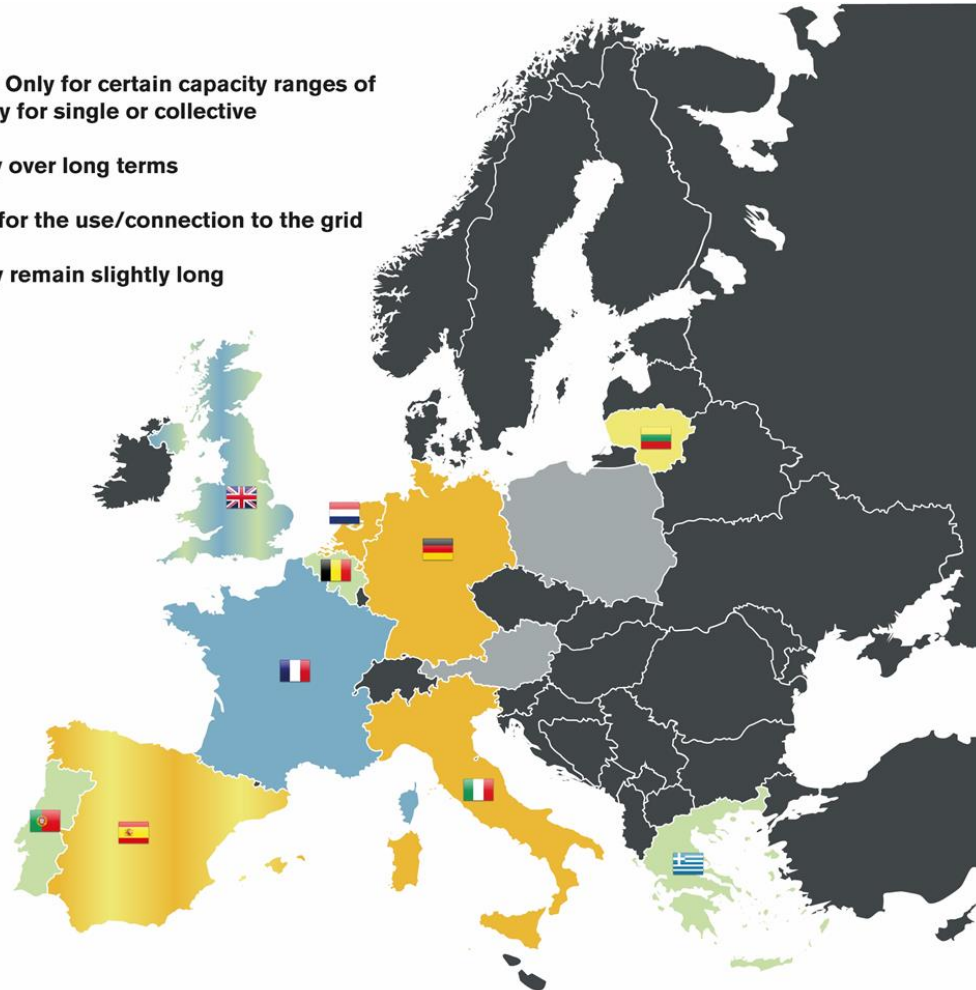


Overview of the barriers found in our projects, ordered in four categories



Financial Barriers

-  Limited support and tax exemption: Only for certain capacity ranges of presumption (large or small), or only for single or collective
-  Investment and revenue uncertainty over long terms
-  Obligation to pay charges to DSOs for the use/connection to the grid
-  Decreasing pay-back times, yet they remain slightly long
-  Countries under projects' scope
-  Other countries



Administrative Barriers

- Complex organizational frameworks outweigh potential benefits and administrative procedures
- Delays and difficulties for obtaining administrative authorizations
- Countries under projects' scope
- Other countries



Regulatory Barriers



- **Challenging requirements / lack of regulatory frameworks, in particular for collective /shared self-consumption**
- **Challenging (legal) requirements when prosumers wish to sell excess electricity - such as getting a supplier licence**
- **Limits on shared self-consumption**
- **Fear of retroactive changes to regulation**

Technical / Grid related Barriers



- **Costly and/or technically demanding grid access & connection**
- **Unavailable and/or intransparent grid connection costs and information**
- **Data exchange and unsuited smart meters / lack of smart meters**
- **Integration of renewables at distribution level**