PV Prosumers across Europe:
what they can do – and what they can't

Luz Aguilar – BSW-Solar

Workshop "PV prosumers on the rise – how Europe can empower more people to produce, consume & sell their own electricity"
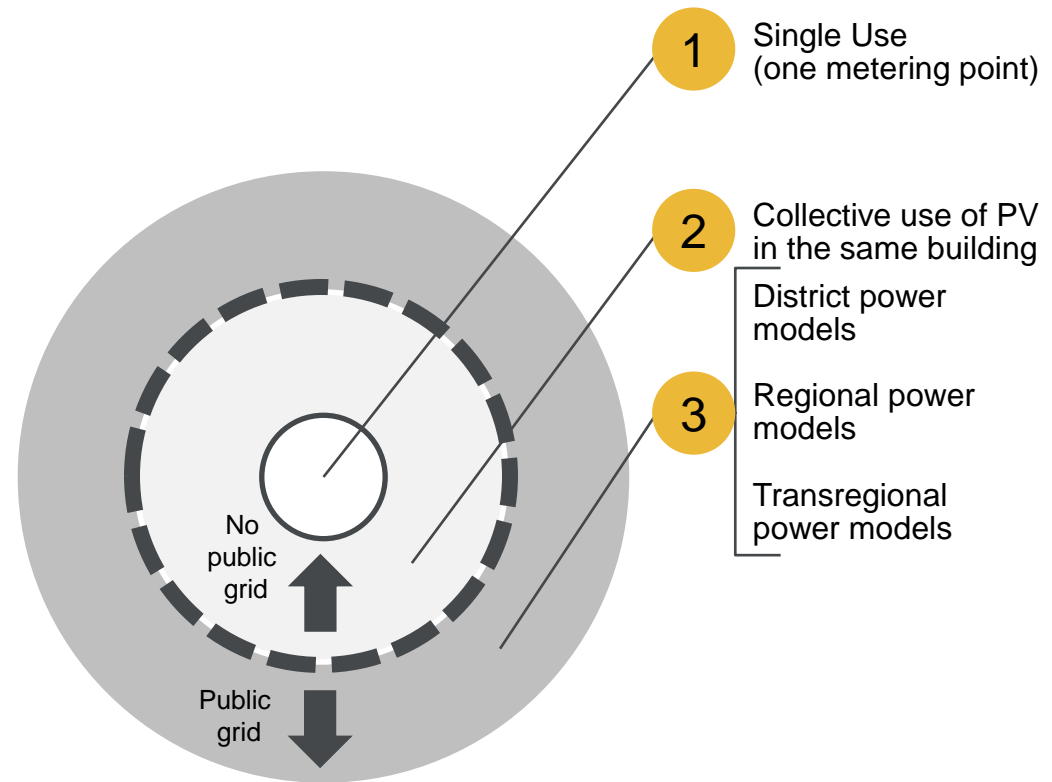
Brussels, 21st November 2019

PV-Prosumer:

electricity consumer **producing** electricity for his/her **own consumption** & possibly for feed-in into the grid
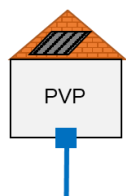
Classification of prosumer concepts

- **Group 1:** single local (on-site) self-consumption where only one actor aims at consuming PV electricity at one place
- **Group 2:** collective self-consumption where a group of actors aims at consuming electricity from a shared PV system
- **Group 3:** virtual self-consumption where generation and consumption of PV happens at the same time but different locations

1 — Single Use (one metering point)

2 — Collective use of PV in the same building

District power models

3 — Regional power models

Transregional power models

No public grid

Public grid

Source: Lettner G., Auer H.,, et al. "D2.1 - Existing and Future PV Prosumer Concepts", Public Report, 2018.

A more detailed view on the three groups
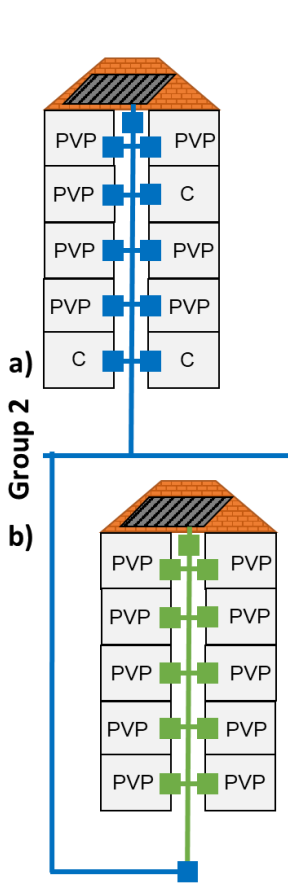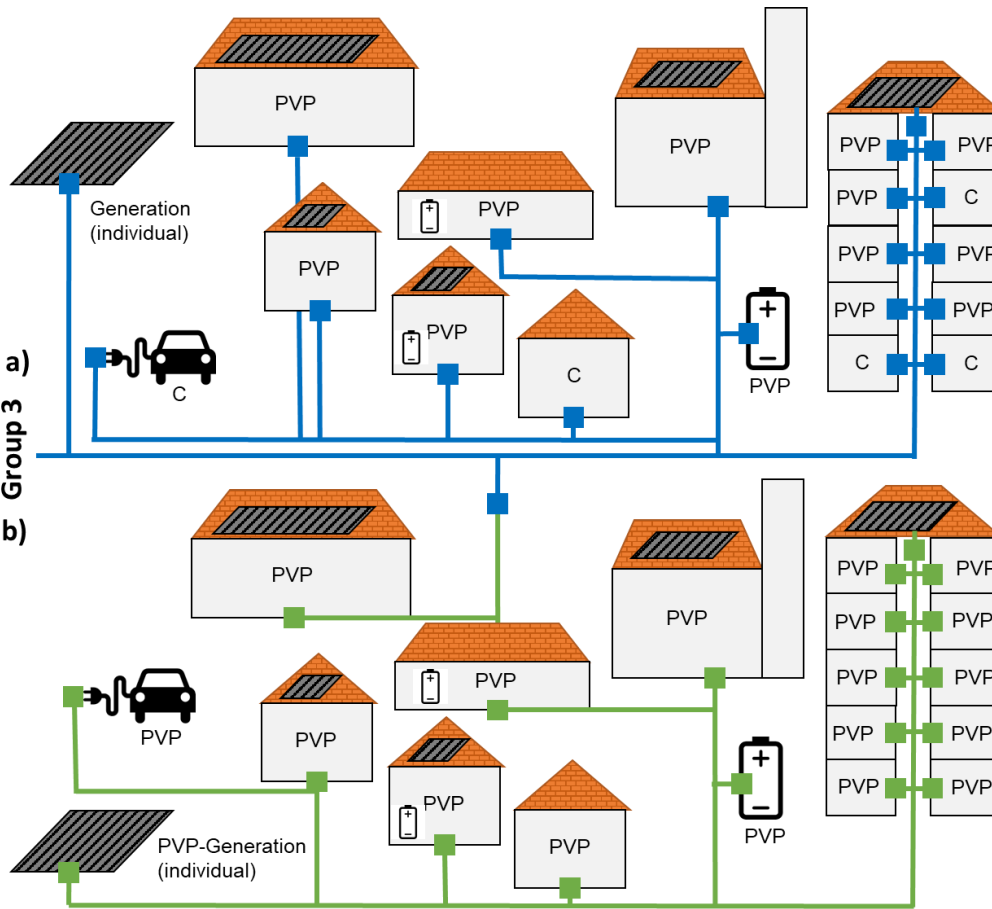
Source: Lettner G., Auer H.,, et al. "D2.1 - Existing and Future PV Prosumer Concepts", Public Report, 2018.

Framework in the target countries

	YES
	YES (with barriers)
	NO

Country	Group 1	Group 2	Group 3
Austria	SC, MP, FiT, financial support	SC with two allocation methods, MP	
Belgium	SC, NM	Exceptions at regional level	Exceptions at regional level
France	SC, FiT, financial support	SC, VPN embedded in the public network	Limitation to the same low voltage station & radius of 1 km
Germany	SC, FiT, PPA	SC, "Mieterstrommodelle" (neighbour solar supply model) PPA	Allowed, but hardly found
Italy	(1) SC+PPA (2) NM (or NB)		
Netherlands	SC, NM	SC for apartments buildings but only for general areas	Postal Code Rose Policy

SC: Self-consumption
NM: Net-metering

PPA: Power purchase agreement
VPN: Virtual private network

FiT: Feed-in tariff
MP: Market price

Framework in the target countries

	YES
	YES (with barriers)
	NO

Country	Group 1	Group 2	Group 3
Portugal	SC, MP	From January '20 (technical guidelines are still missing)	From January '20 (technical guidelines are still missing)
Spain	SC, PPA		Same cadastral reference / connected <500 m from the consumer
Lithuania	SC, NM, PPA	Allowed since 1st October, PPA	Unclear porocedures
Poland	SC, NM	Long & unclear procedures	Long & unclear procedures
Greece	SC, NM	NM, VNM, VPN	NM, VNM, NPN
UK	SC	Single user PPAs well developed, but barriers for multi-user applications	VPN being piloted

SC: Self-consumption   PPA: Power purchase agreement   FiT: Feed-in tariff
NM: Net-metering   VPN: Virtual private network   MP: Market price

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Project links:

https://www.pvp4grid.eu/

https://www.euheroes.eu/

http://www.idistributedpv.eu/