

2 Seas Solar Legislation/regulations

Barriers for solar energy uptake

- **Uncertainty of incentive schemes**
Investment companies, citizen not sure whether it is worth to invest in solar
- **Environmental planning**
Specific regulations for rooftop PV systems - eg historic buildings, monuments
Environmental issues for solar farms – preservation of biodiversity, agriculture
- **Lack of integrated climate policy**
Eg responsibilities are split amongst different federal, regional and local authorities in Belgium

2Seas Solar energy market

STRENGTH

- Low(er) prices components
- Reliable products (warranties)

WEAKNESSES

- (Almost) No local production modules
- Expensive monitoring/control solutions

OPPORTUNITIES

- Innovations to be exploited: floating PV, Agrivoltaics, PV/T,

THREATS

- Dependence on (PV-panels) imports
- Missing strategy to develop market more steadily

2Seas Solar cost/investment models

Elements for successful renewable energy support schemes

- a clear, bankable pricing system
- priority access to grid: clear identification of responsible for connection and incentivized
- clear, simple administrative and planning permission procedures.
- public acceptance/support.

Innovations/technologies: smart grids, PV/T hybrid systems BIPV, transparent PV, CSP

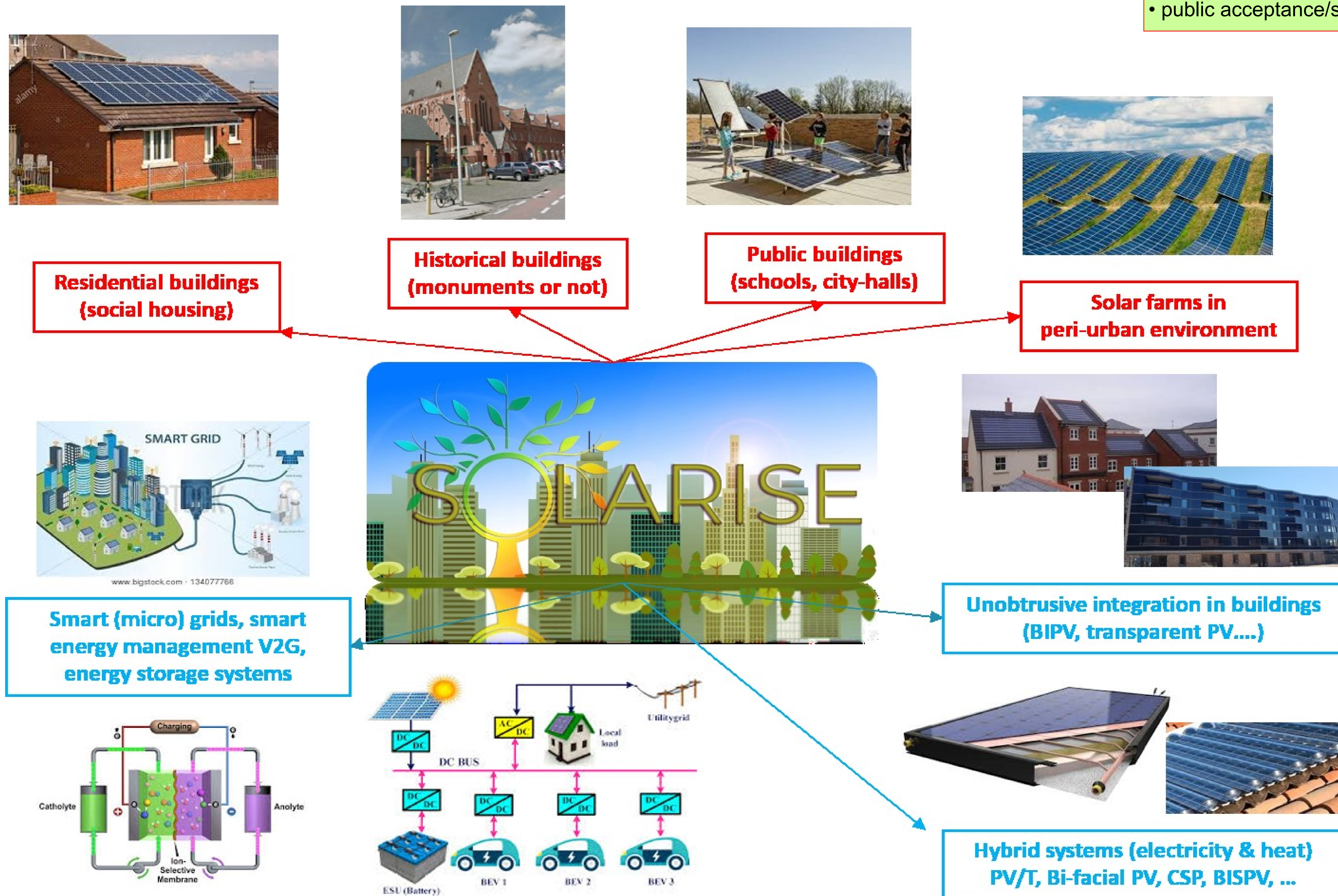
Challenges

- expensive (pricing system, maintenance)
- no local production (insufficient competition)
- not know to larger public (lack of appropriate information)
- not yet proven/applied on longer term and large scale

Guidelines for benchmarking and pilots

Database with pilots, good practices and benchmarks

- To make stakeholders aware of available/existent knowledge/knowhow/innovations
- To allow synergies among various stakeholders with various backgrounds
- To bring more/other best practices examples close to 'your door'



Residential buildings (social housing)

Historical buildings (monuments or not)

Public buildings (schools, city-halls)

Solar farms in peri-urban environment

Smart (micro) grids, smart energy management V2G, energy storage systems

Unobtrusive integration in buildings (BIPV, transparent PV....)

Hybrid systems (electricity & heat) PV/T, Bi-facial PV, CSP, BISPV, ...

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