



CLEAN ENERGY FOR ALL EUROPEANS

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WHAT ARE THE GOALS OF THE **CLEAN ENERGY FOR ALL EUROPEANS** PACKAGE?



Putting energy efficiency first



Demonstrating global leadership in renewables



Delivering a fair deal for consumers

An opportunity to..



...create **jobs & growth**



...spur **investment**



...secure **energy supply**



...make the **market** fit for purpose

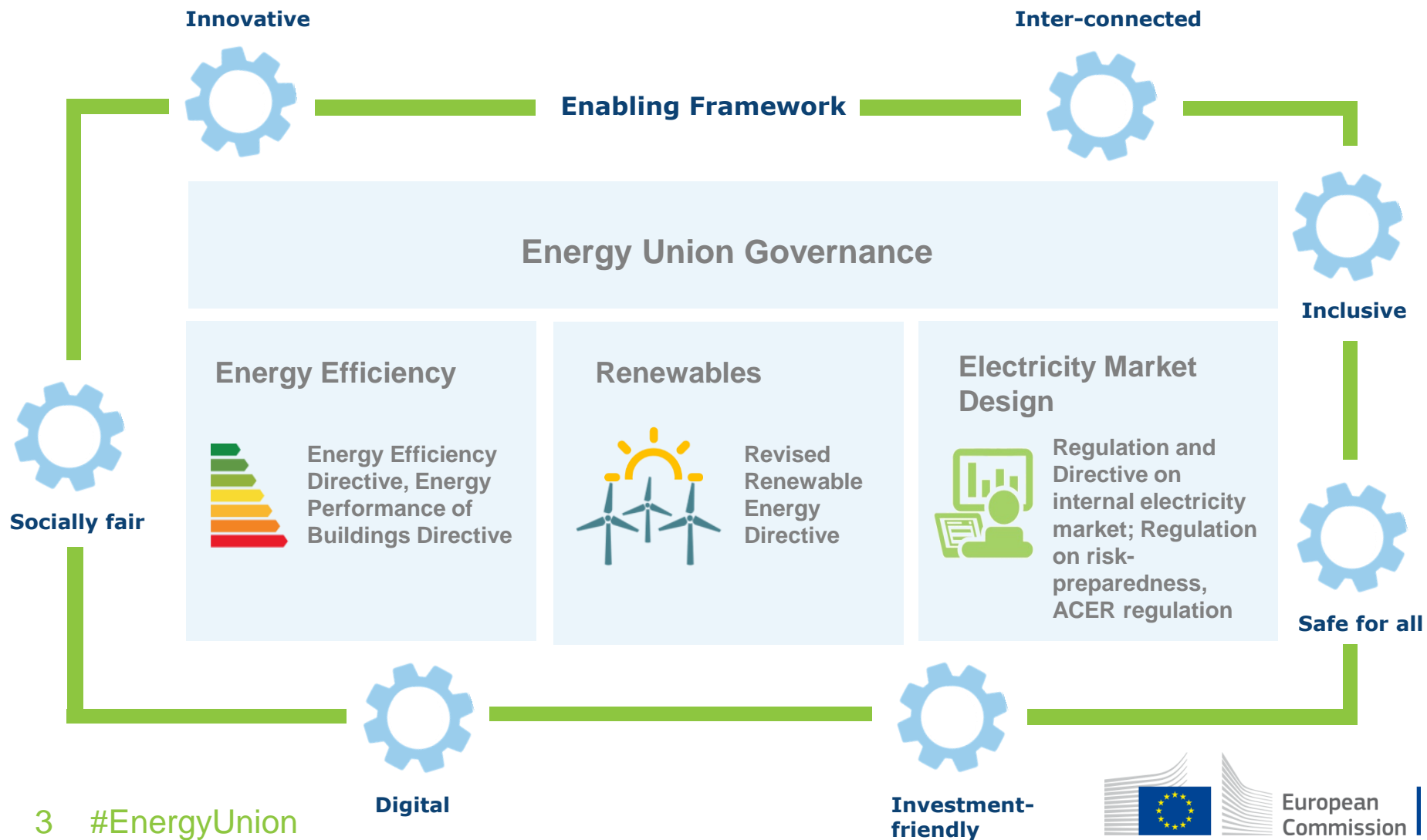


...bring down **GHG emissions**

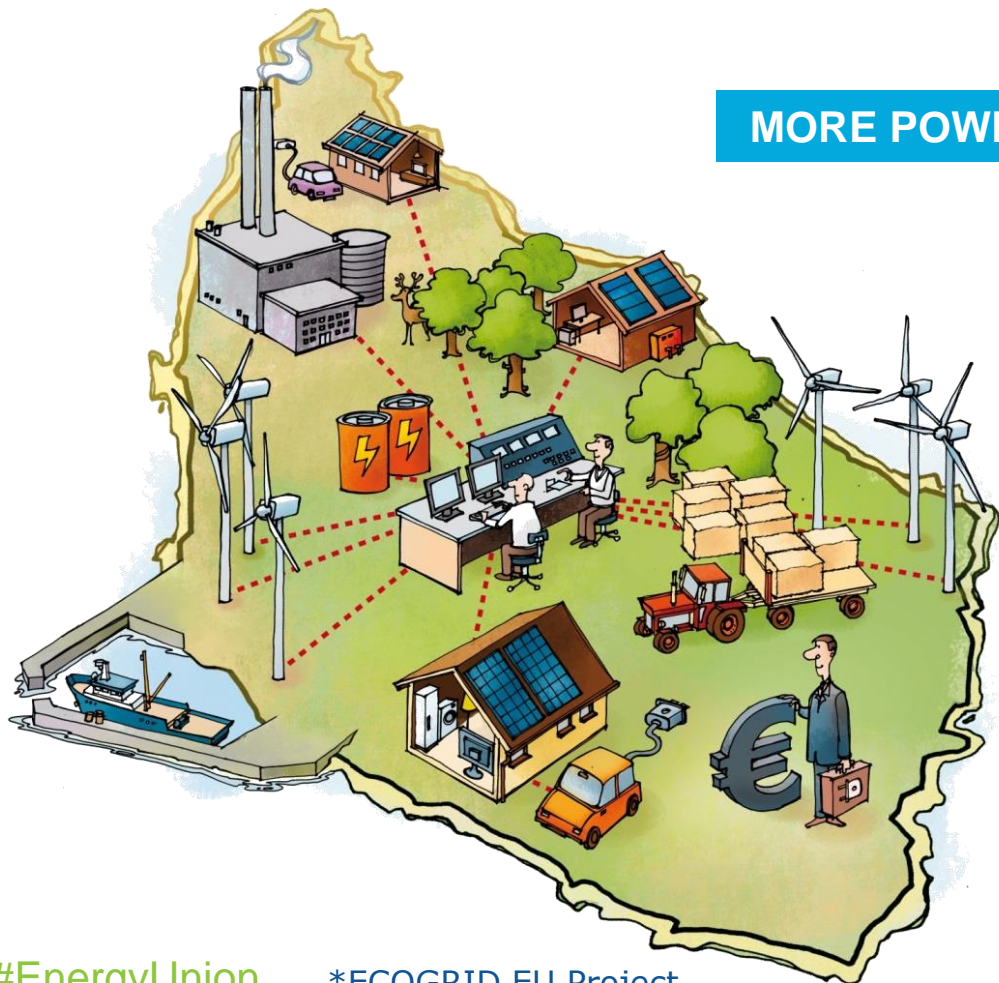


...foster **innovation**

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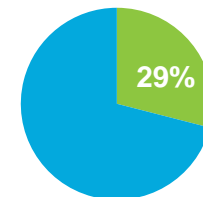


Transition towards "3 D" energy system: *decarbonised, decentralised, digitalised*

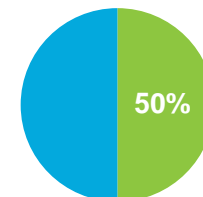


MORE POWER COMING FROM RENEWABLES

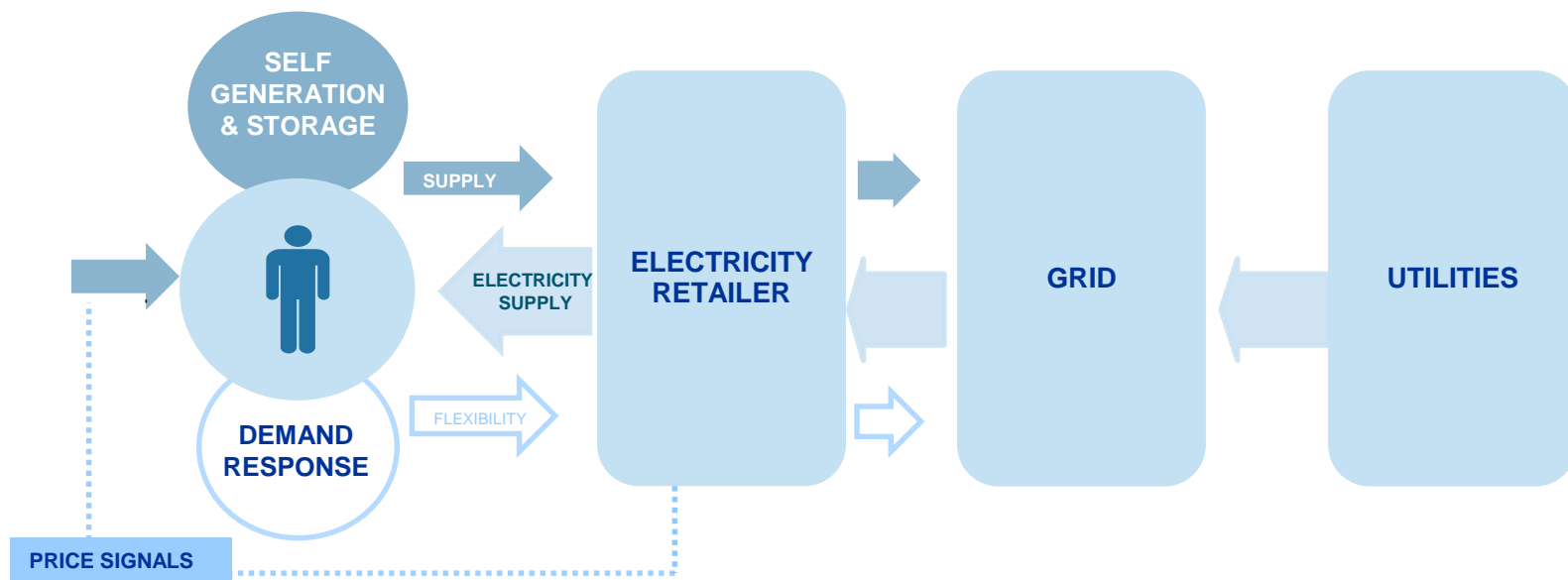
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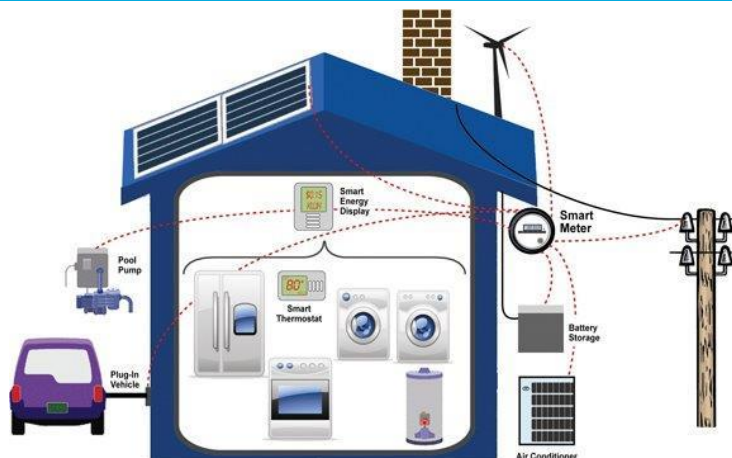
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ACTIVE CONSUMERS ARE KEY TO DELIVERING A MORE FLEXIBLE ENERGY SYSTEM...



BUILDINGS & SMART APPLIANCES WILL BECOME THE ACTIVE ELEMENTS OF ENERGY SYSTEM



EMPOWERING CITIZENS AND COMMUNITIES

A EU-LEVEL FRAMEWORK FOR RENEWABLE SELF-CONSUMPTION IN WHICH CITIZENS ARE AT THE CORE



Renewable self-consumers to be allowed to generate, store, sell and consume their own electricity



Renewable self-consumers in multifamily houses to be allowed to generate, store, sell and consume their electricity jointly



No disproportionate procedures and charges that are not reflective



Specific provisions for energy communities

Preparing the ground for smarter homes & buildings

Revision of the Energy Performance of Building Directive (EPBD)



new article 8(6) proposes introducing Smartness Indicator (SI) for buildings.

- Will characterize the ability of a building to manage itself,
- To interact with its occupants,
- And to take part in demand response and contribute to smooth, safe and optimal operation of connected energy assets.



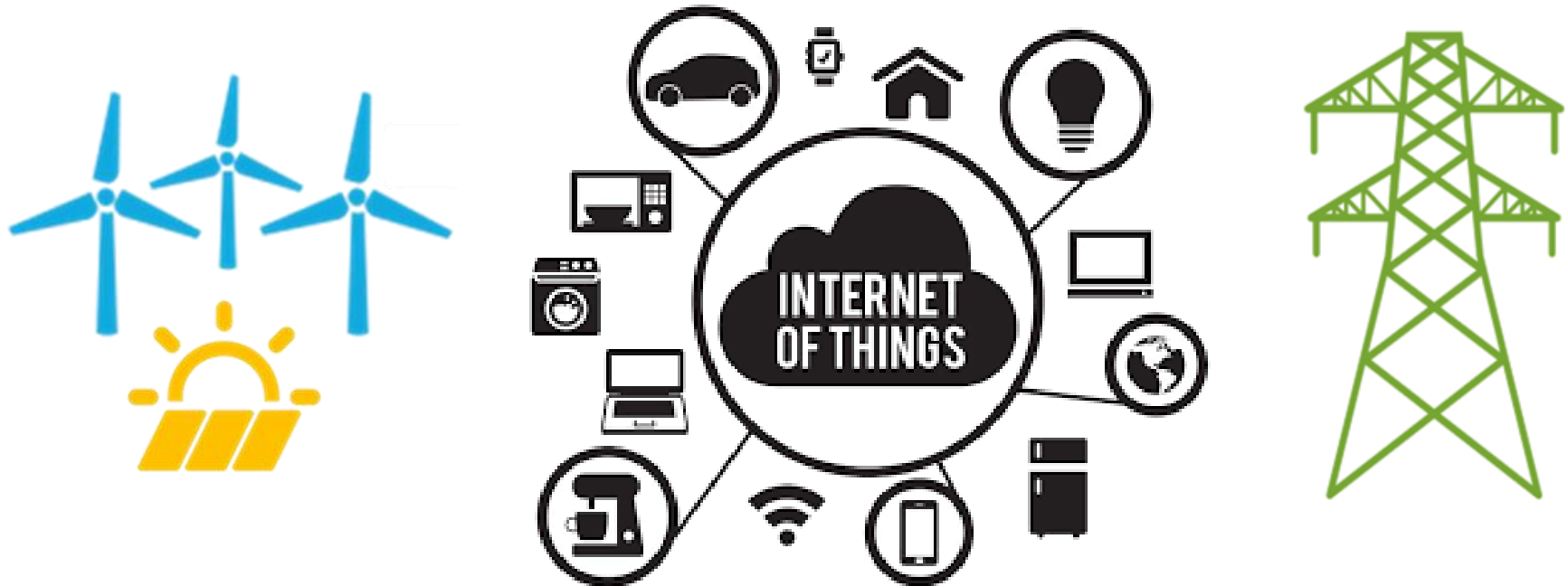
Progress towards 'smarter' building systems can support a more efficient implementation of the EPBD and result in additional benefits for building users, energy consumers and future grids.



The SI will support the uptake of technical innovation in the building sector, where there is a lack of investment despite short payback periods.

Key challenge: flexibility

Key enabler: interoperability



How do we address it?

H2020 2018 IoT call - large scale pilot on *Interoperable and smart homes and grids*

'Digitalisation of the energy' R&D priorities

Multiplication of connected objects
(Internet of Things)

Exponential increase in generation of
energy-related data (Big Data)

Reliable & Secure energy & telco
infrastructure (cybersecurity)

Develop the future energy system –
increase the digital capacity of the
energy sector for the benefit of a
system that is able to integrate higher
shares of RES and to optimise energy
use across the system improving
overall energy efficiency



Registrations open for EUSEW 2017!

See you on 21 of June in Brussels:
<http://eusew.eu/digitalisation-energy>

**SUSTAINABLE
ENERGY WEEK**

An initiative
of the  European
Commission