

DRivE – Regulatory Frameworks Affecting Demand Response Solutions




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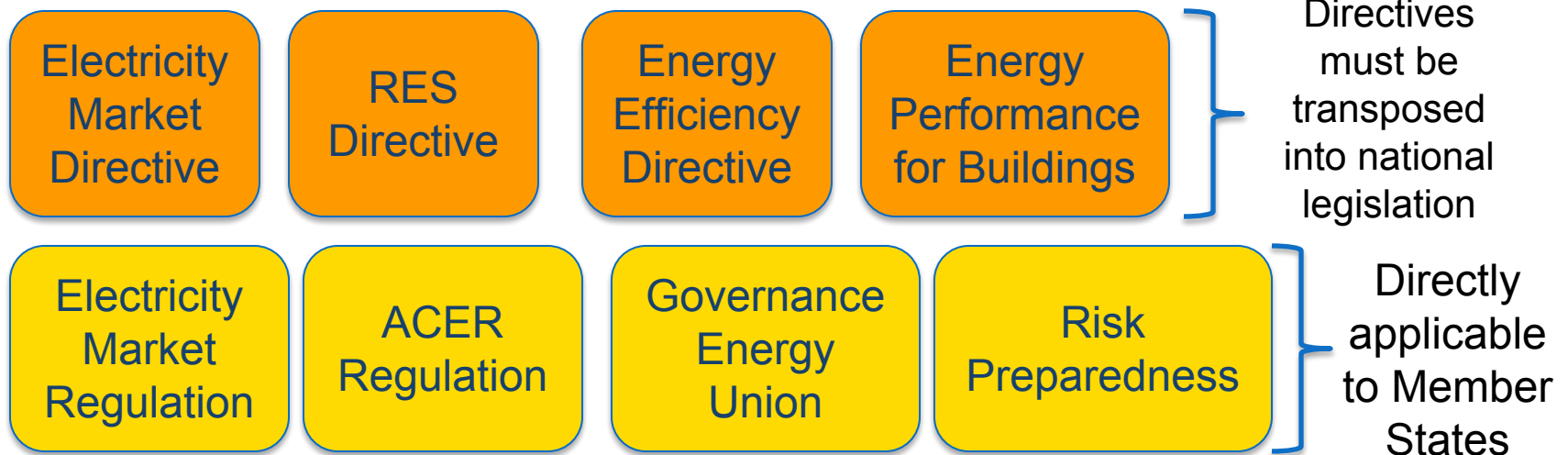
1 Why regulatory frameworks?



- ❖ DRIVe intends to develop an ICT infrastructure enabling business models providing Demand Response for flexibility management in residential and tertiary buildings
- ❖ Regulatory challenges are critical to the implementation of business cases
- ❖ Planned changes in EU directives and regulations should address these solutions
 - Investigated in D2.2 of the DRIVe project

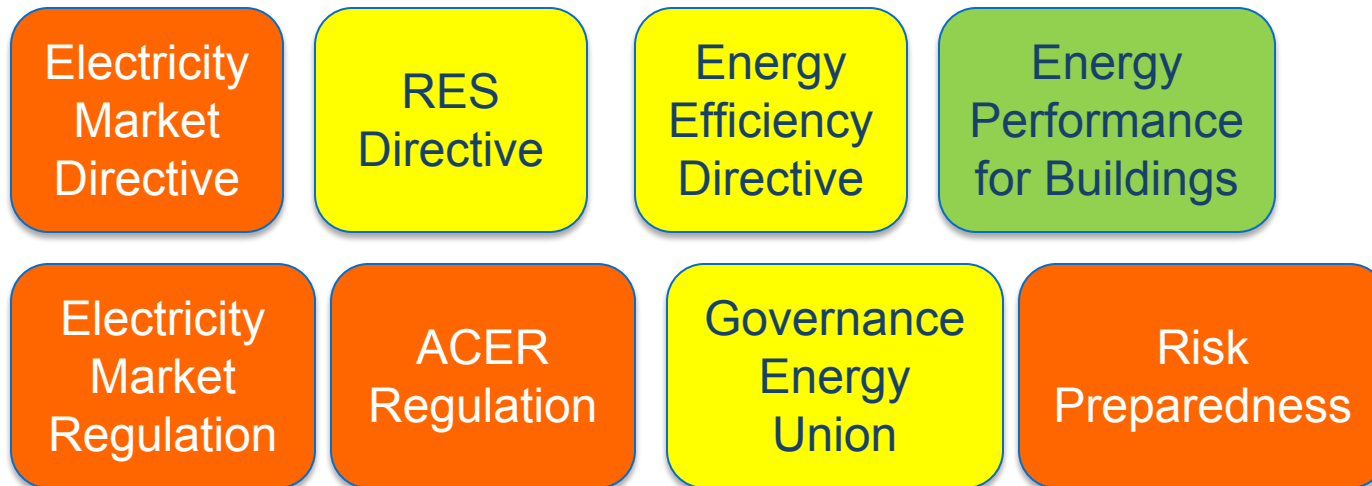


- ❖ The “Clean Energy for all Europeans” (aka the “Winter Package” released on 30/11/16
- ❖ Includes 4 Directives and 4 Regulations



❖ Current Status:

- Directive (EU) 2018/844 approved 19/06/2018
- Political Agreement on a binding 32% EU-level Renewable Energy target by 2030

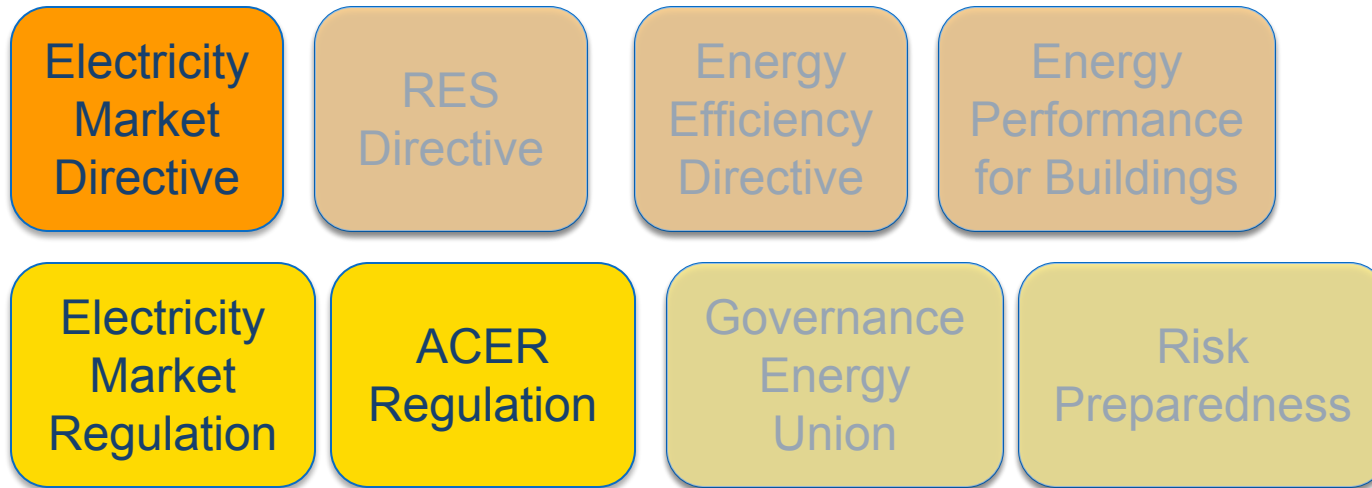


Source: European Commission <<https://ec.europa.eu/energy/en/topics/energy-strategy-and-energy-union/clean-energy-all-europeans>>



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3 The Market Design Initiative



Promotes

- Active consumers
- Prosumers (consumers that produce energy) and aggregators
- Flexibility management of the system
- Operators' coordination



3 The Market Design Initiative



Consumer

- Active consumer options
- Access and use of energy data
- Prosumer opportunities
- Market participation through aggregators
- Simplify day by day operations
- Certified energy comparison tool-price control

Market

- More flexibility management
- Focus on regional connectivity through Regional Operation Centers (ROCs)
- New EU DSO entity
- More coordination between TSOs and ROCs



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❖ Impacts to DRivE Project:

- The introduction of the Market Design Initiative and the explicit definition of the roles and benefits for aggregators could lead to a more standardized electricity market across the EU.
- Current progress on EED and EPBD further supports the transition to technology necessary for unlocking flexibility in the residential and tertiary sectors



Thank You !



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