



Universal Smart Energy Framework

31 October 2018

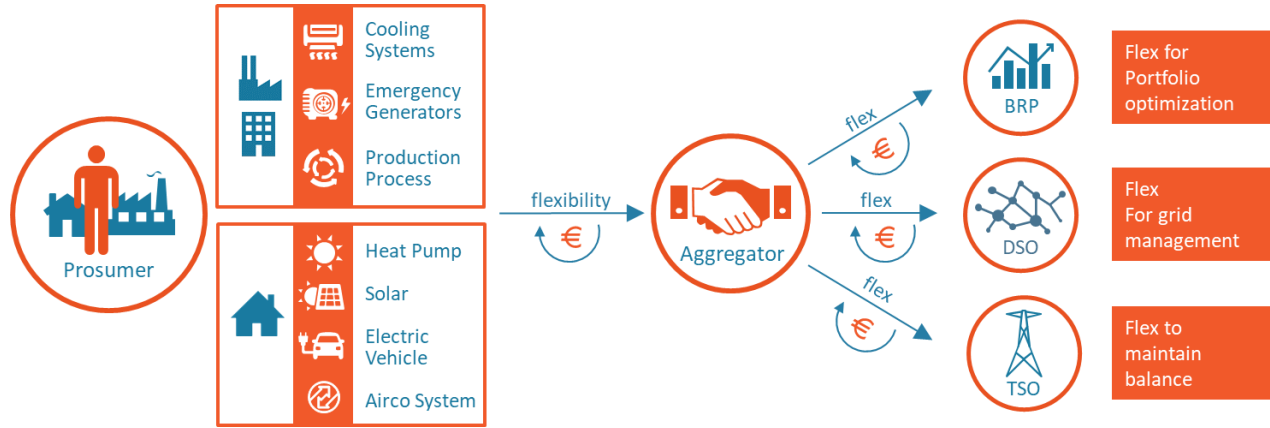
GEODE Autumn Seminar

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A solid foundation for
smart energy futures

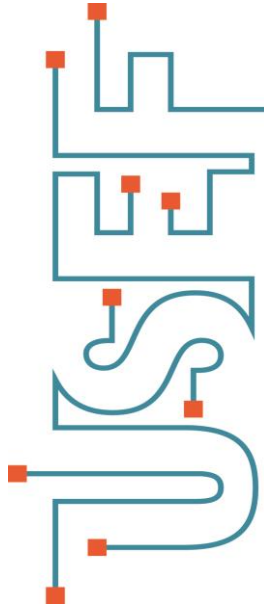


USEF



- A solid framework, ready to be implemented
- Where the (independent) role of the DSO is strategically positioned
- Designed in cooperation with market parties and TSOs

The USEF Framework:



A complete framework	<ul style="list-style-type: none">• A validated market model for flexibility• With active users
Defines roles & responsibilities	<ul style="list-style-type: none">• Clearly defining the roles & it's responsibilities• Politically neutral
Information & Coordination Model	<ul style="list-style-type: none">• Who needs what information and when• E.g. Local Portfolio prognosis of an aggregator
Messaging & IT	<ul style="list-style-type: none">• Protocols and messaging• IT Reference implementation via GITHUB

USEF development and implementations:

- USEF Framework since 2015
- Developed with 20+ European experts from DSOs, BRPs, AGR, SUPP, TSOs and regulators
- Validated by 15+ projects in Europe
- USEF is part of EG3 and EBIX
- Creating a platform role, by connecting users

So you can:

- Experiment with flexibility
- Connect to other (similar) actors who have implemented/validated it

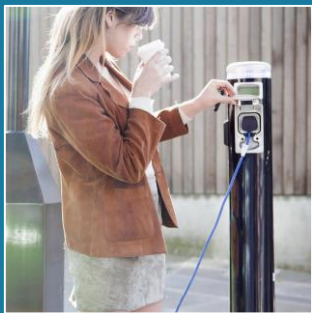


MARKET MODELS
FOR AGGREGATORS
- Activation of flexibility



We proudly present:





Thank you & stay in touch:

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**And download
the (open-source)
framework here:
www.usef.energy**



BACKUP SLIDE:

More recent flexibility challenges:

1. Allowing aggregation in national markets
2. Customer acquisition for flexibility
3. Independent aggregation including balance responsibility
4. Use of existing exchanges for flex procurement
5. TSO / DSO Coordination on flexibility
6. Harmonize interfaces in the market (across Europe)

