

Decarbonization: the road to clean energy transition

Decarbonize the electric system

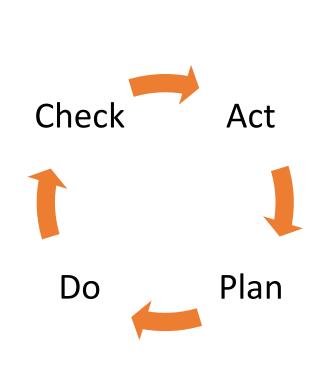
Systematic and long-term commitment

- Sustainable change
- Environmental, economical and political

Ambitious goals set by the EC

- 30% until 2030
- 50%+ until 2050

Increase resiliency and efficiency of connected systems



Paradigm change: articulating energy grids and consumers





Increase integration of renewable sources

Deal with variability

Tackle geographic distribution

Ensure energy sufficiency



Demand side flexibility

Engaging end-users, tech and service providers

Make technology available to all

Enablers for effective services

Services: novelty or newer applications?





Combine data and energy

Characterize better
Predictive strategies



Foster competitive offering

New application

Novel market approaches



Cross-sector cooperation

Buildings to grids

Mobility from private to public

Energy management to

conveniency

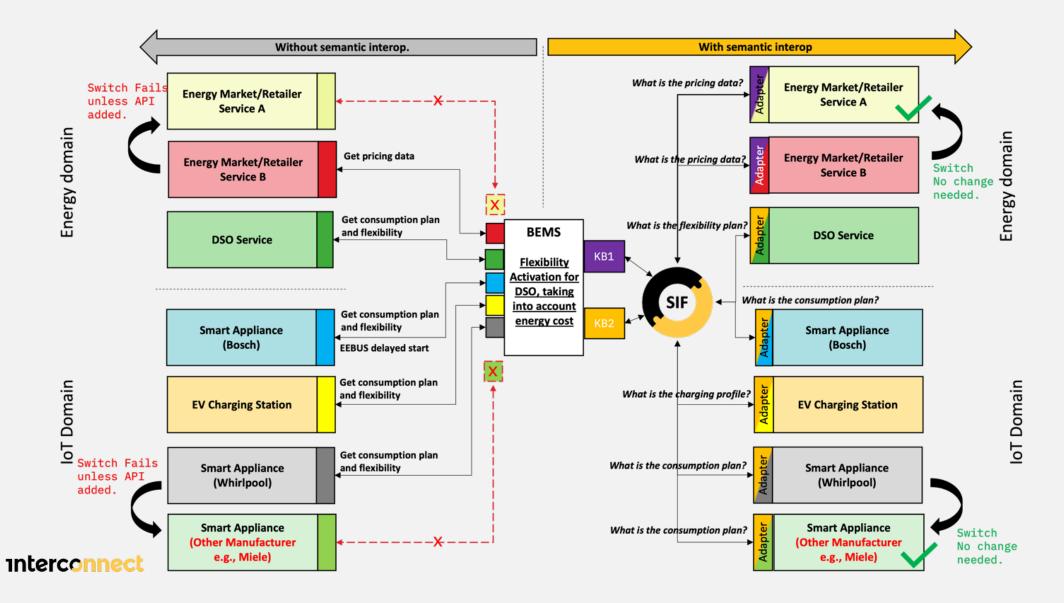


Democratize access to data

Interoperability – Several layers
Protection and cybersecurity

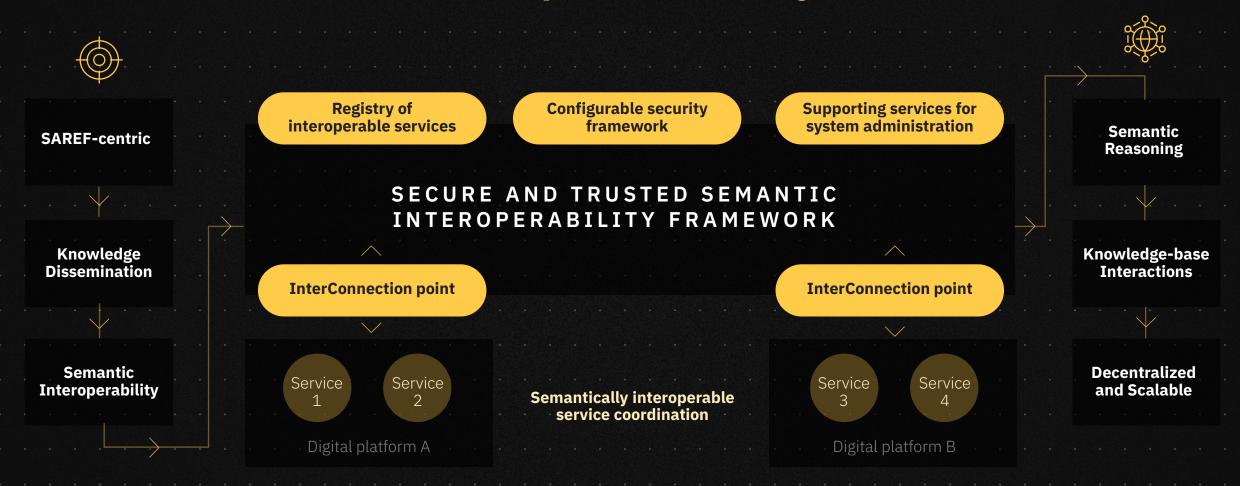
Added-value of Semantic Interoperability





interconnect

Semantic Interoperability Framework



DIGITAL PLATFORMS AND SERVICES BECOME SEMANTICALY INTEROPERABLE

Services use the interoperable tools to publish & discover capabilities and are joint together to enable use case demonstration

OPEN CALLS

Interconnect

BOOST INNOVATION







KS)

Expand ecosystem of players

Know more at:

- <u>interconnectproject.eu</u>
- Project Booth