## Cyclewalching.cl The European watch on cybersecurity & privacy Free energy data

# Blockchain enabling energy flexibility services

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## EU Innovation project SOFIE

- Distributed Ledger Technology to
  - securely and openly federate IoT platforms
  - Enable data exchange
  - securely record audit trails
- 4 pilots for demonstration

#### Partners

- Aalto University, Ericsson, Rovio (Finland)
- Guardtime (Estonia)
- AUEB, Synelixis, Optimum (Greece)
- Engineering, Asm Terni Spa, Emotion Srl (Italy)



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 779984





### Problem in energy sector?

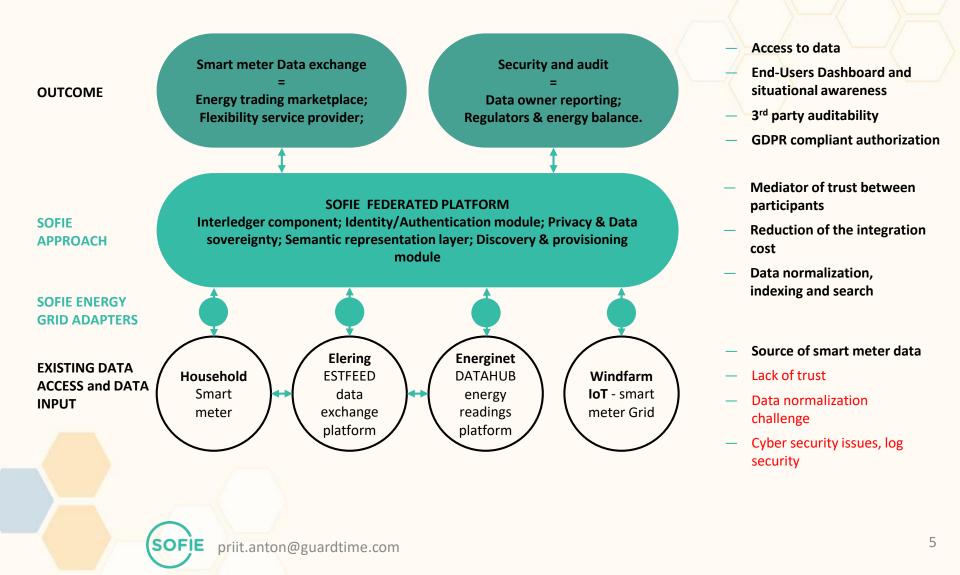
#### Regulatory drivers

- EU Clean energy package must enable data access and deal with 50% of energy from renewable energy sources
- ➢ GDPR − must comply with 7 rights
- Financial drivers
  - > Race to offer suitable energy **flexibility services** to market
- End-user expectation
  - Need to be in control of his/her data





#### SOFIE practical approach



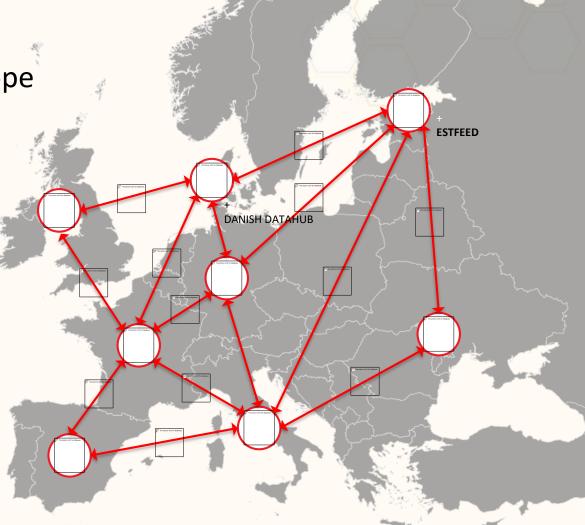


#### Vision and way forward

To enable seamless exchange of data in Europe with just few clicks from data owner side

#### **Cooperation with:**

- Data owners
- Intra day energy brokers
- Retailers
- Network operators







## Thank you!

#### http://www.sofie-iot.eu/

#### Contact us:

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