

Interactive Session on Enabling Technologies

VICINITY

An option for decentralized interoperability

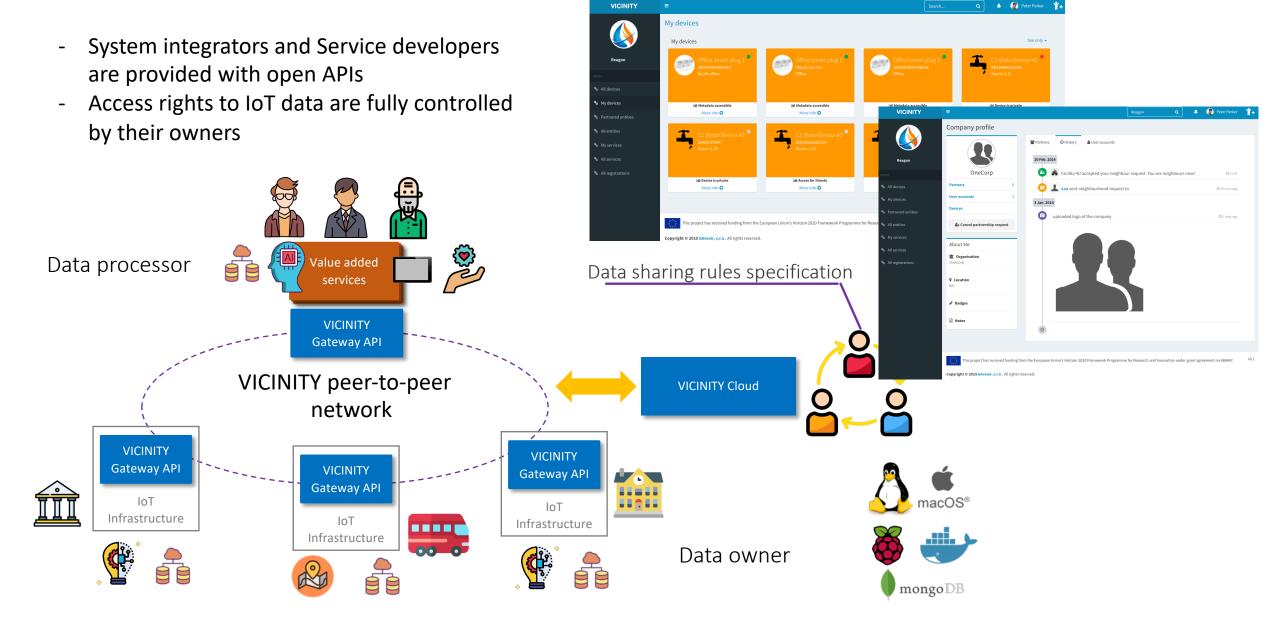
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Decentralized Interoperability as a Service







Making the services independent on IoT infrastructures



stakeholders	architectural Layers	specific added value
loT users		 Built for complex "multi-stakeholder" environments, Supporting evolutionary innovations (start in small and grow upon need)
App developers	Unified access to different IoT facilities and data sources	 Releasing vendor locks between services and infrastructures, Flexibility in supporting different pilot applications
loT Infrastructure Operators	Interoperable VICINITY peer 2 peer network	 Offering semantic interoperability with open APIs, IoT owners dispozes with full control over their data



Challenges in decentralized environments



- Protecting users' privacy on metadata level (personal and health IoT applications)
- Lack of business models in decentralised ecosystems (e.g. that are not ruled by incumbent vendors)
- Convincing data owners to (conditionally) publish their data

For more information, visit the site: https://vicinity.bavenir.eu

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