

SYNCHRONICITY

IoT data marketplace

--

Dr Andrea Gaglione
Senior Technologist - IoT
Digital Catapult

andrea.gaglione@digicatapult.org.uk

 [@andrea_gaglione](https://twitter.com/andrea_gaglione)

IoT Week 2019, Aarhus (DK), 19th June 2019



This project has received
funding from the European
Union's Horizon 2020 research
and innovation programme
under grant agreement
No732240

Co-funded by



Switzerland



South Korea



Mexico

IoT-enabled services for cities

Example 1: Travel planner

Example 2: Smart parking

IoT service



IoT (data) platform



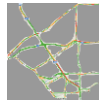
IoT connectivity infrastructure



IoT devices



GPS trackers from train and bus fleets



Traffic flow from cameras and phones

Static data sets

Time tables Parking lots



Video parking space counter

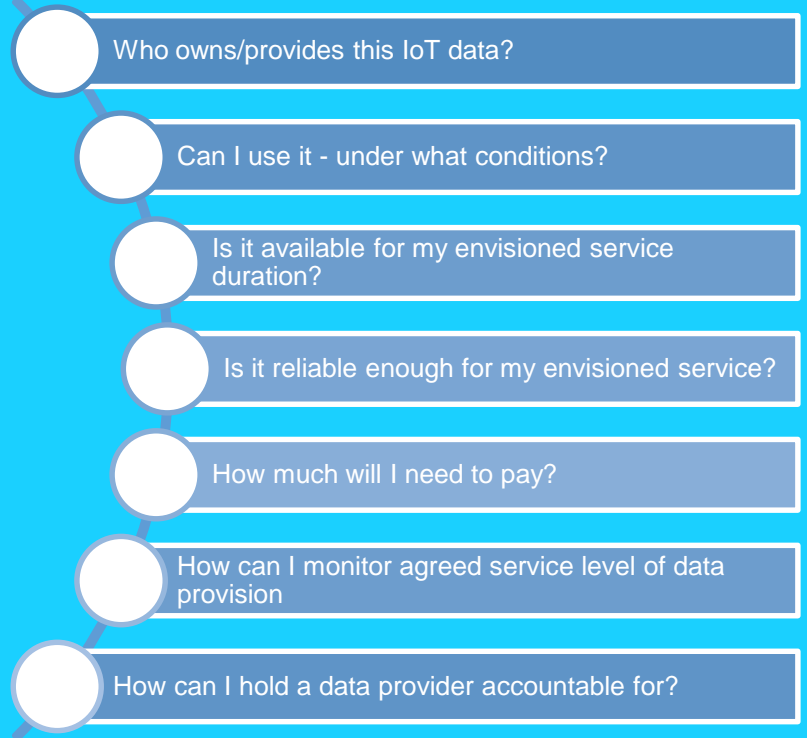


On-street parking sensor

Deploying an IoT-enabled service in a city

Suitable data sources already available

- **Data discovery**
- **Data access negotiations**
- **Monitoring of data provision**



SynchroniCity IoT data marketplace

Key features

Express: Publish data offerings and define customisable and machine-readable agreements

Discover: Data catalog with lookup functions

Settle: Digitally sign the agreement

Track: Create tamper proof audit trails

