SYNCHRONICITY

IoT data marketplace

Dr Andrea Gaglione
Senior Technologist - IoT
Digital Catapult
andrea.gaglione@digicatapult.org.uk
@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 No732540.

Co-funded by
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

Video parking space counter

On-street parking sensor

Static data sets

Time tables

Parking lots
Deploying an IoT-enabled service in a city

Suitable data sources already available

• Data discovery

• Data access negotiations

• Monitoring of data provision

Who owns/provides this IoT data?

Can I use it - under what conditions?

Is it available for my envisioned service duration?

Is it reliable enough for my envisioned service?

How much will I need to pay?

How can I monitor agreed service level of data provision?

How can I hold a data provider accountable for?
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