Smart Water 4 Europe

From Innovation to Practice

October 2016

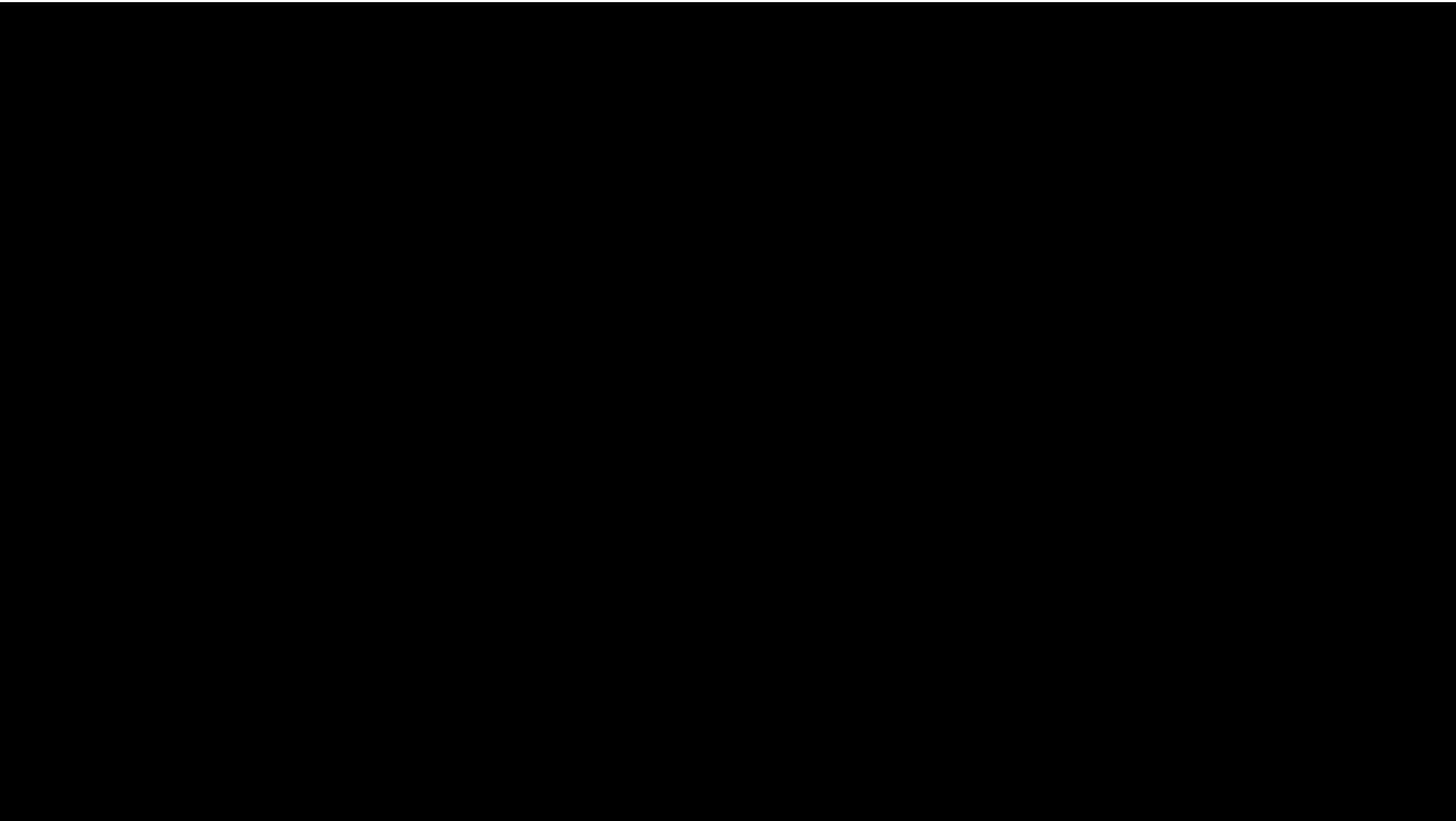
SW4EU from Innovation

What is SW4EU

Cost and benefit analysis for a smart water network

Business case for Smart Water Networks

What is SW4EU



SW4EU in practice

What is SW4EU

Reading

Syrinix
Intelligent Pipeline Monitoring

3 Trunkminders

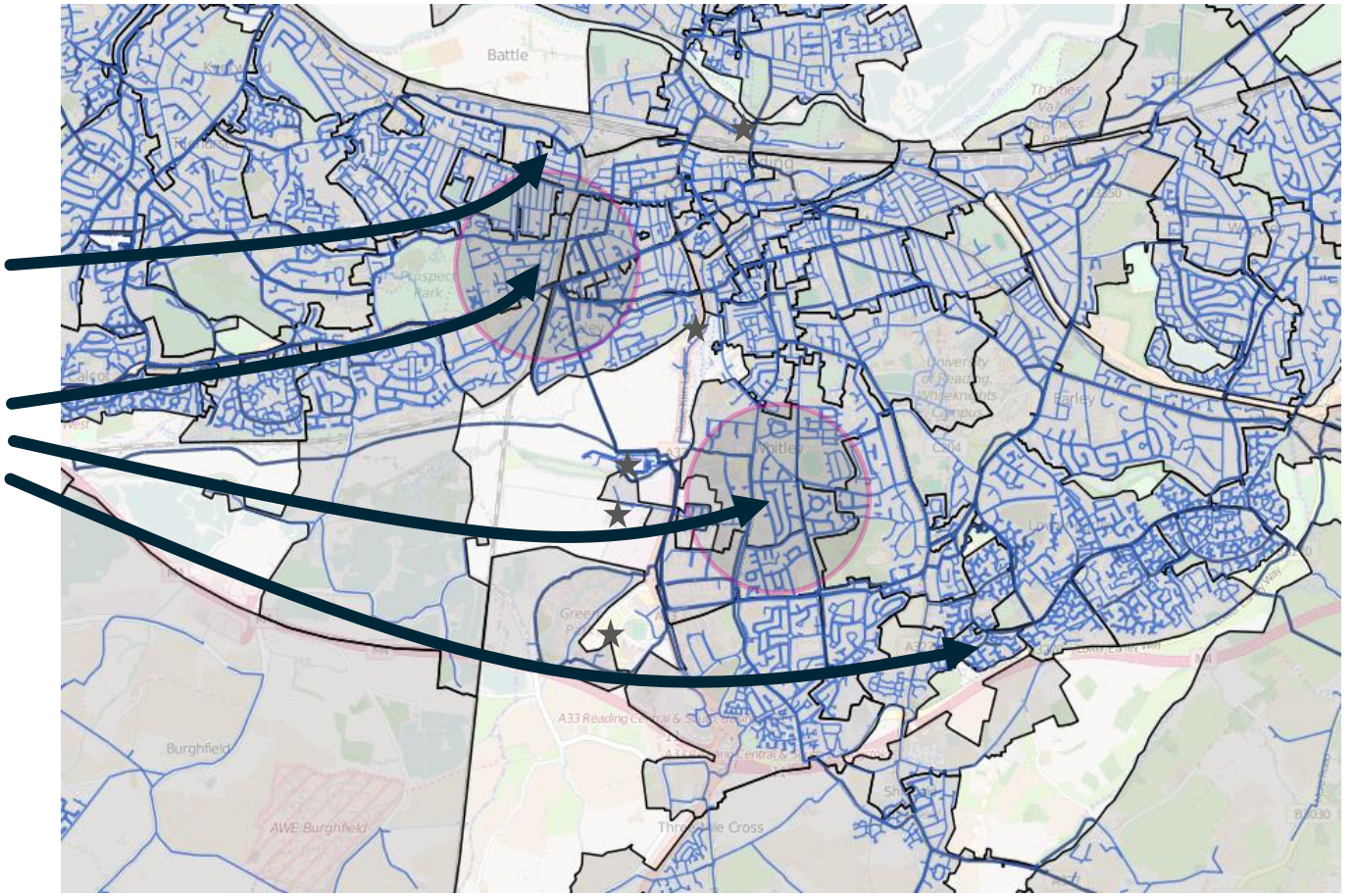
incertameter
instant leak detection

15 Burstminders / Incertameters

Smart metered

1400 Smart Meters

ZTILEH12
ZEARLY08



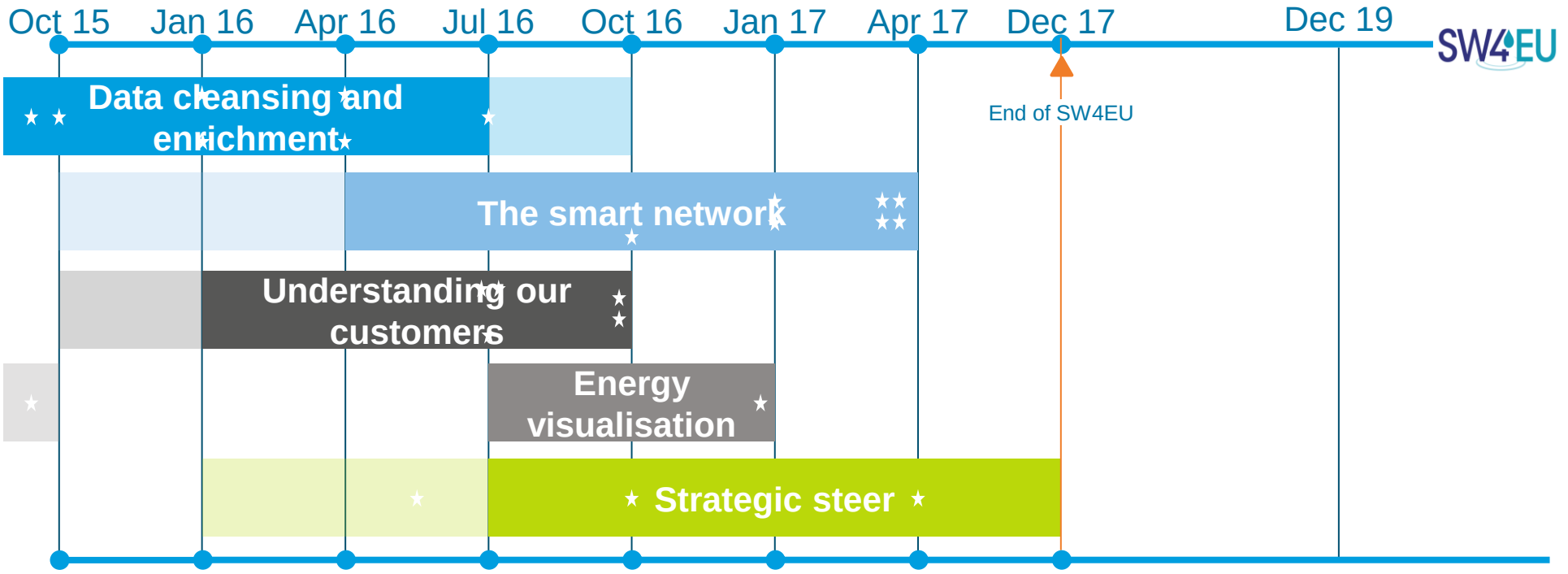
Thames Water

What is SW4EU

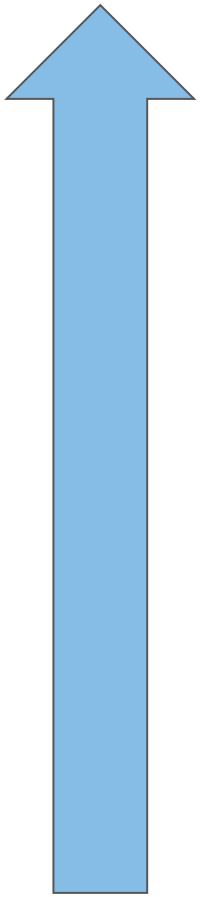
Work streams and benefits

Strategic steer	The smart network	Understanding our customers	Energy visualisation	Data cleansing and enrichment
Business case for smart water networks Potential of ‘big data’, advanced analytics and real-time data	Machine learning algorithms to detect and localise leaks and bursts.	Data-driven techniques for property classification (clustering). Smart methods for analysing CSL and wastage.	Combining data sources to illustrate the potential of a holistic view of the energy used in the network.	Best practice for identifying and handling bad or missing data.

What is SW4EU



Smart Network: DMA Maturity



7	Real Time Network
6	Taking Advantage (SW4E)
5	Fully Sensed Network
4	Property Consumption
3	Property Allocation
2	DMA Integrity
1	Design

Data challenges

Operational challenges

Thank you!