

Waternomics

Duration: 36 months (2014-2017)

Type of Action: Collaborative project

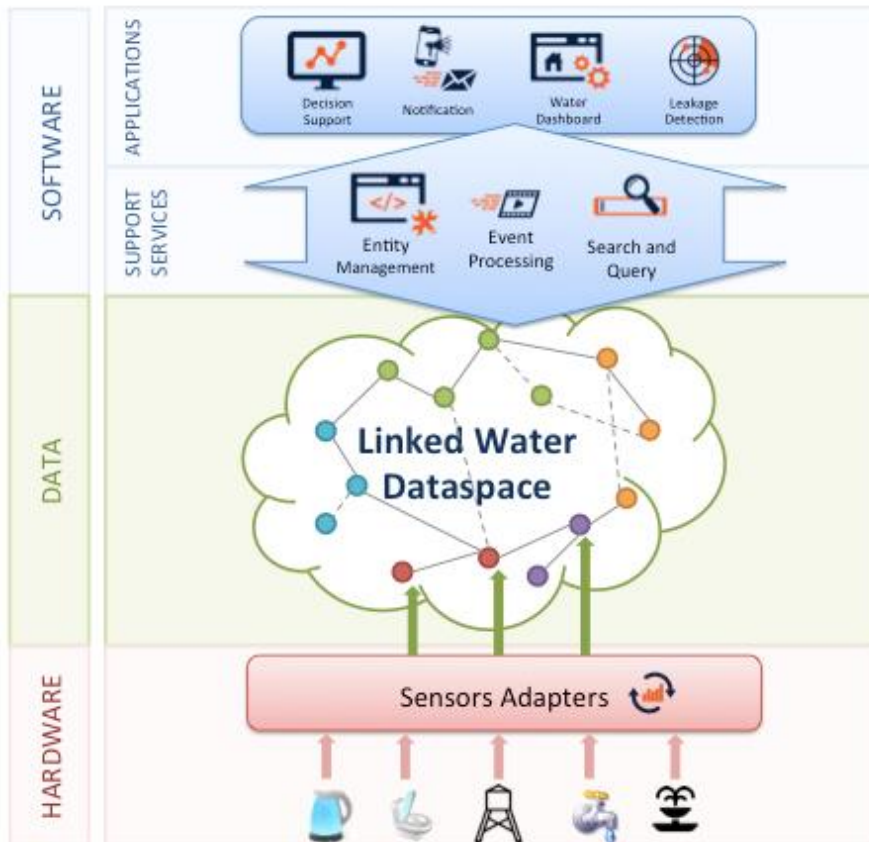
Nr of participants: 9

Total funding: €4.287M



Background

Waternomics Platform



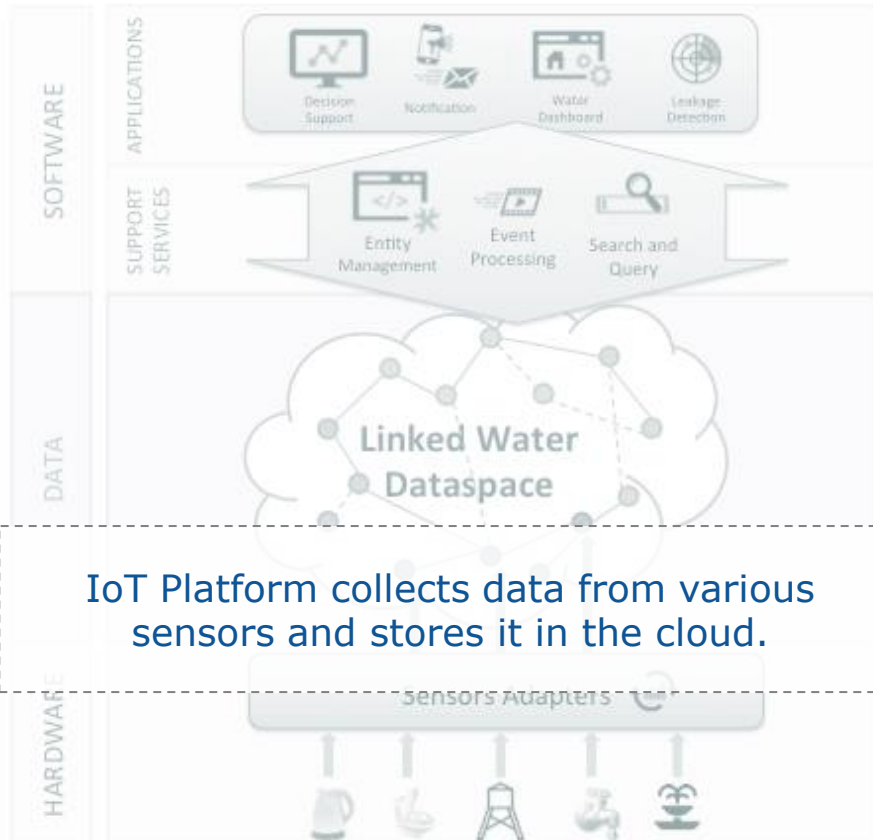
Question: How can ICT help households, companies and cities manage water more efficient?

4 pilots



IoT Platform

Waternomics Platform



Spin off company iSENSIT
2017: 5 FTE,
Turnover €300K-€500k

Target markets:

- Fitness
- Construction industry



Sensors & Applications

Waternomics Platform

Applications "Management Dashboard" & "Public Display" use water consumption data.

Simaxx platform focus on energy & comfort. Now serving ~300 buildings

Combine Waternomics Platform with Simaxx Smart Building Platform to create third party Smart Water service

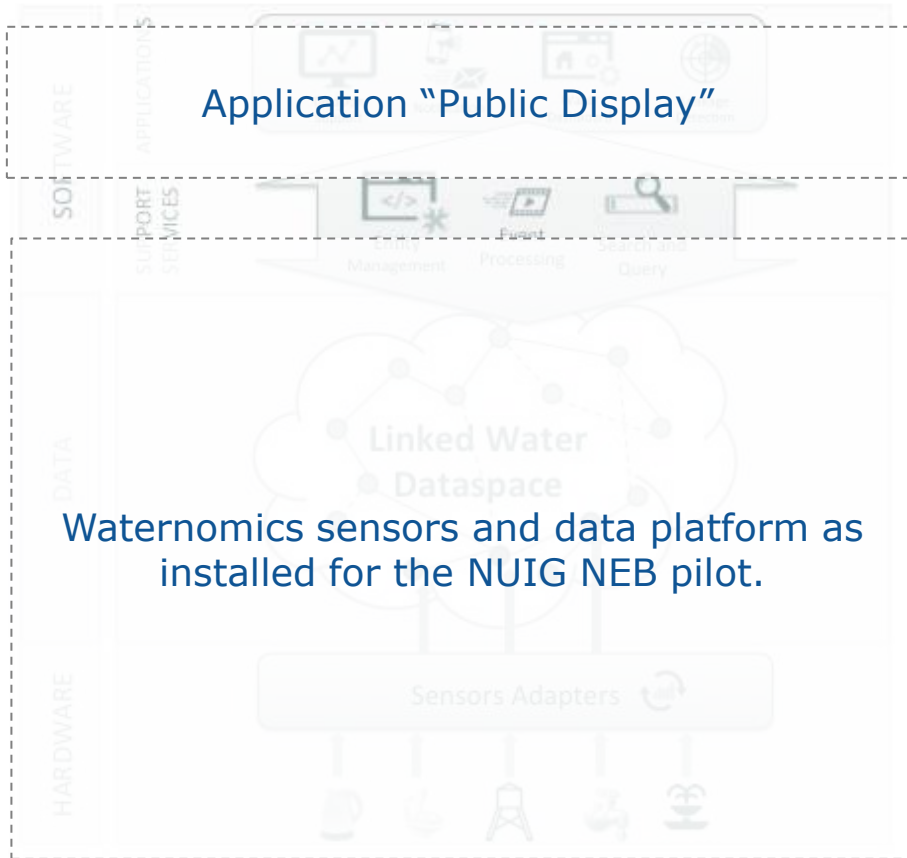
Waternomics sensors (mini water meter & flow meter) & communication devices

Project: "Smarter Buildings"
Start 2017, 24 months
Budget: €392K

Expected outcome:
Retrofit smart building solution

Public Display

Waternomics Platform



Waternomics sensors and data platform as installed for the NUIG NEB pilot.



OÉ Gaillimh
NUI Galway



Infrastructure and public display transferred to NUIG Maintenance

Supporting "Sustainable Campus" initiative and Galway City Council

ESIPP project will add energy related information to Public Display



Challenges/ Lessons/Conclusions

- *Challenge: Variety of end-users and pilot environments, technological and organisational*
- *Lesson learned: Water data analytics convince building managers to take effective actions*
- *Lesson Learned: Business design activities should run in parallel with R&D activities*
- *Recommendation: Reduce the gap between water and energy standardised sector.*
- *Recommendation: Break the silo's in the water value chain.*

