



European Commission



# Adaptive Gateways for diverse multiple Environments

## Project Overview

### Goal

AGILE builds a modular hardware and software gateway for the **Internet of Things** with support for protocol interoperability, device and data management, IoT apps execution, and external Cloud communication.

### Key Aspects

- Open Source
- Data-centric security
- Engaged with the IoT community
- Diverse pilots
- Open call for additional pilots
- Gateway application marketplace

## Security and Privacy

### Security Goal

Development of security mechanisms to enable users to control and monitor **how** and by **whom their data can be used**.

| Challenges  | Security Framework  |
|---|---|
| Enable processing or analysis of IoT data externally while respecting privacy | Homomorphic encryption, pseudonyms, one-time tokens, etc. |
| Ensure proper usage of data inside the gateway                                | Data provenance Collection<br>Usage Control               |
| Ensure proper identification/authentication of principals in the platform     | Identity Management                                       |

## Partners



## More info

<http://www.agile-project-iot.eu>

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