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.

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

**More info**

http://www.agile-project-iot.eu  
: @agile_iot

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