An overall Presentation

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Technology Interplay

Internet of Things (IoT) Ecosystem

User Centric
- Security
- Trust
- Privacy

IoT Platforms
- Federation Inter-operability

Cloud
Big data
5G
Semantics

- Architecture Reference Model
- Security/Privacy/Trust by Design
IDC expects the IoT market in EU to expand yearly over 20% in value between 2013 and 2020.

IoT revenues in the EU28: increase from more than €307 bn in 2013 to more than €1,181 bn in 2020.
## Five key challenges on IoT in the EU

<table>
<thead>
<tr>
<th>Challenge</th>
<th>Description</th>
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<tbody>
<tr>
<td>1. Rapid technological development</td>
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<td>2. Users' take up and acceptability</td>
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<td>3. Need to move into deployment</td>
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<td>4. Risk of fragmentation</td>
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<td>5. International competition</td>
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What has the European Commission done until now?

51 M€ EC funding in 2015 for IoT Innovation Ecosystems

In FP7 - 3 calls 100 M€ budget for R&D and piloting (see IERC-WG1)

IoT: hot topic for industry, investors and start-ups in Europe

140 M€ EC funding in 2016-2017 for IoT
EC Call for proposals for Internet of Things (#H2020)

1. **IoT-01-2016: Large Scale Pilots**  Total Budget 100 MEUR (funding rate: 70%)
   - Pilot areas:
     - Pilot 1: Smart living environments for ageing well (EU contr. up to 20 MEUR)
     - Pilot 2: Smart Farming and Food Security (EU contr. up to 30 MEUR)
     - Pilot 3: Wearables for smart ecosystems (EU contr. up to 15MEUR)
     - Pilot 4: Reference zones in EU cities (EU contr. up to 15MEUR)
     - Pilot 5: Autonomous vehicles in a connected environment (EU contr. up to 20 MEUR)


2. **IoT-02-2016: IoT Horizontal activities.**  Total budget: 4 MEUR
   - a) up to 3 MEUR (funding rate: 100%),
   - b) up to 1 MEUR (funding rate: 100%)

3. **IoT International Cooperation.**  Total budget: 17 MEUR
Alliance for Internet of Things Innovation (AIOTI)

Official launch of the AIOTI (25/03/2015)
AIOTI Mission Areas

**Deployment**
- Identify barriers
- Gather evidence
- Contribute to the Digital Single Market

**IoT Ecosystem**
- Build across different application areas
- Mapping and bridging of IoT innovation activities
- Encourage the growth of start-ups in IoT

**IoT Uptake**
- Identify spearhead players
- Communicate
- Champion

**Large Scale Pilots**
- Experimentation, replication and deployment
- Convergence
- Interoperability
- H2020
Structure of the AIOTI
Why the AIOTI is unique?

- Input to standardisation, breaking silos, platforms
- Special link with the EU institutions
- Focused on IoT from a cross-cutting perspective
- Builds on the IERC results
- Open partnership with industry
More than 400 AIOTI members from 24 countries

Large companies

Associations

Start-ups

SMEs

AIOTI is an IoT global key player and the voice of #Europe on #IoT
AIOTI Recommendations for future IoT innovation and deployment are now published #H2020


AIOTI is listed among IOT international key players, according to Forbes

### Internet of Things: Collaborating to Compete
Companies active across multiple IoT Alliances

<table>
<thead>
<tr>
<th>IoT Alliance</th>
<th>ARM</th>
<th>CISCO</th>
<th>Honeywell</th>
<th>IBM</th>
<th>INTEL</th>
<th>SAMSUNG</th>
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*Image Credit: Peter C Evans*
AIOTI in the long term and stepping stones

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<tr>
<th>Year</th>
<th>Phase</th>
<th>Details</th>
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<td>2015</td>
<td>March</td>
<td>Phase 1: Ignition</td>
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<td>2015</td>
<td>December</td>
<td>Phase 2: First Positioning</td>
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<td>2016</td>
<td>April</td>
<td>Phase 3: Awareness raising</td>
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<td>2017</td>
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<td>Phase 4: Strategy road map</td>
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<td>2020</td>
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<td>Phase 5: Sustainability</td>
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The Role of AIOTI in boosting IoT Business Value
The future of AIOTI and the participation of Greek Stakeholders

QUESTIONS?
Useful links
Follow us on Twitter @NetTechEU IoT


http://www.aioti.eu

#H2020

THANK YOU!!