



AIOTI

ALLIANCE FOR INTERNET OF THINGS INNOVATION

An overall Presentation

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Technology Interplay

Internet of Things (IoT) Ecosystem

IoT Platforms
Federation Inter-operability



Cloud

Big data

5G

Semantics

User Centric

- *Security*
- *Trust*
- *Privacy*
- *Architecture Reference Model*
- *Security/Privacy/Trust by Design*

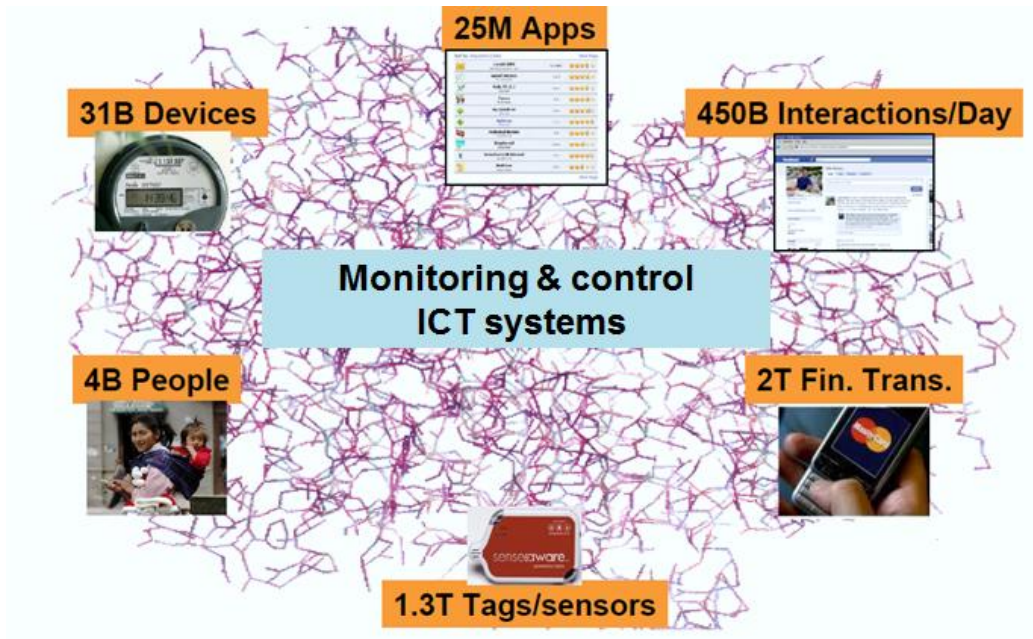
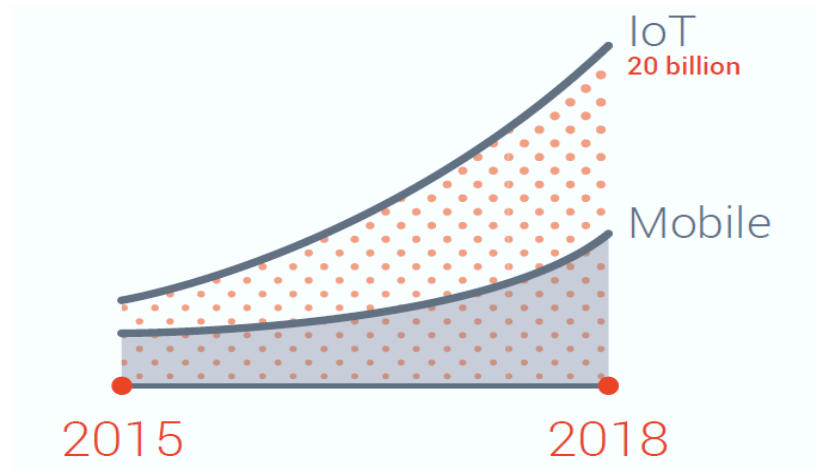


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IoT Opportunities for Growth in the EU

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.



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Five key challenges on IoT in the EU



Rapid technological development



Users' take up and acceptability



Need to move into deployment



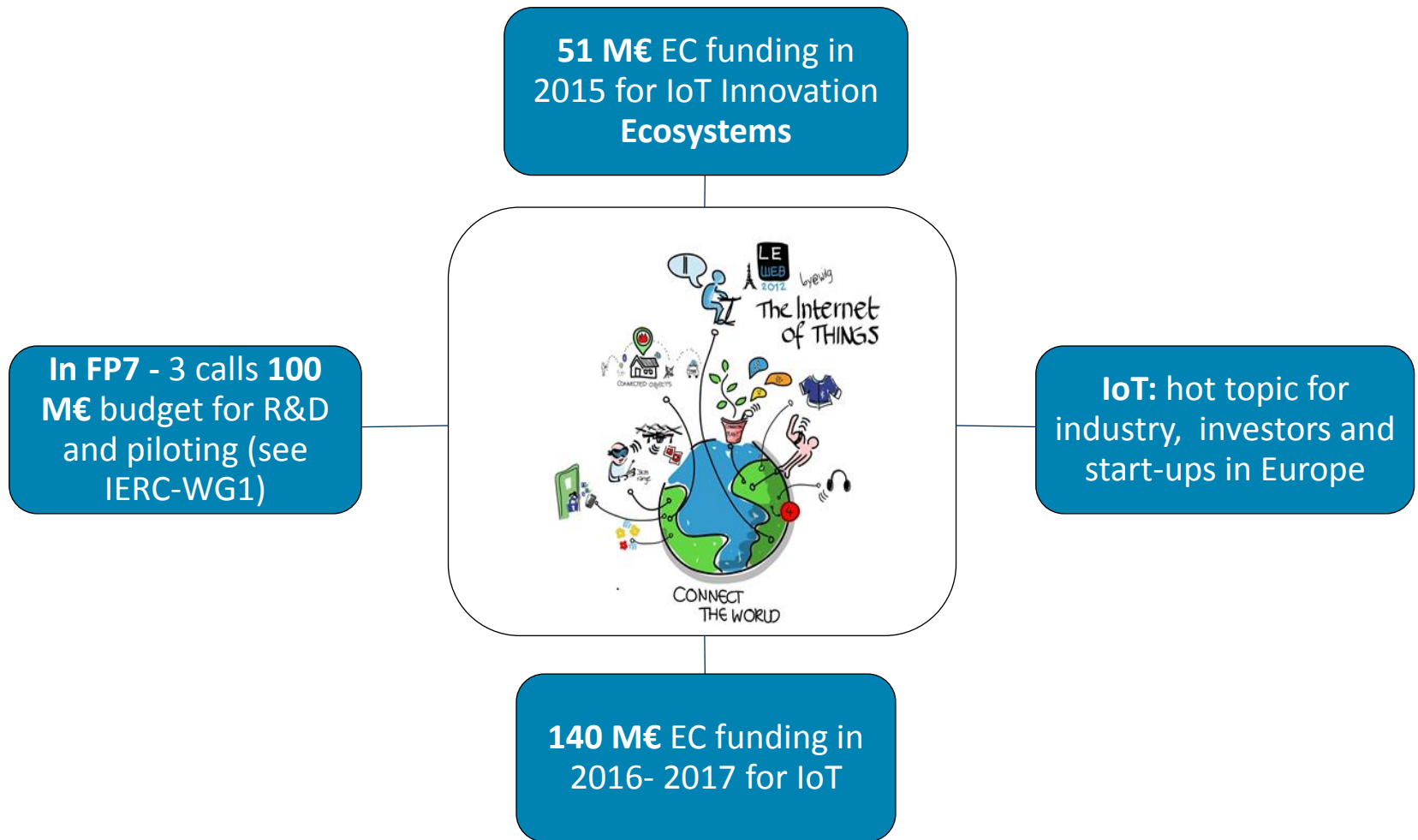
Risk of fragmentation



International competition



What has the European Commission done until now?



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)

WHERE TO APPLY: <http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/calls/h2020-iot-2016-2017.html#c.topics=callIdentifier/t/H2020-IOT-2016-2017/1/1/1&callStatus/t/Forthcoming/1/1/0&callStatus/t/Open/1/1/0&callStatus/t/Closed/1/1/0&+identifier/desc>.

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

- ICT-37-2016: China: Collaboration on Future Internet (CSA) --- CLOSED
(<http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/5079-ict-37-2016.html>)
- EUJ-02-2016: Japan: IoT/Cloud/Big Data platforms in social application contexts (RIA) --- CLOSED
(<https://ec.europa.eu/research/participants/portal4/desktop/en/opportunities/h2020/topics/2419-euj-02-2016.html>)
- EUK-02-2016: South Korea: IoT joint research (RIA) --- CLOSED
(<http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/2334-euk-02-2016.html>)
- EUB-02-2017: Brazil: IoT Pilots (RIA)
(<http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/2080-eub-02-2017.html>)

Alliance for Internet of Things Innovation (AIOTI)



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



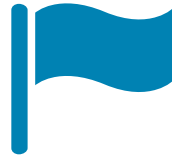
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AIOTI Mission Areas

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

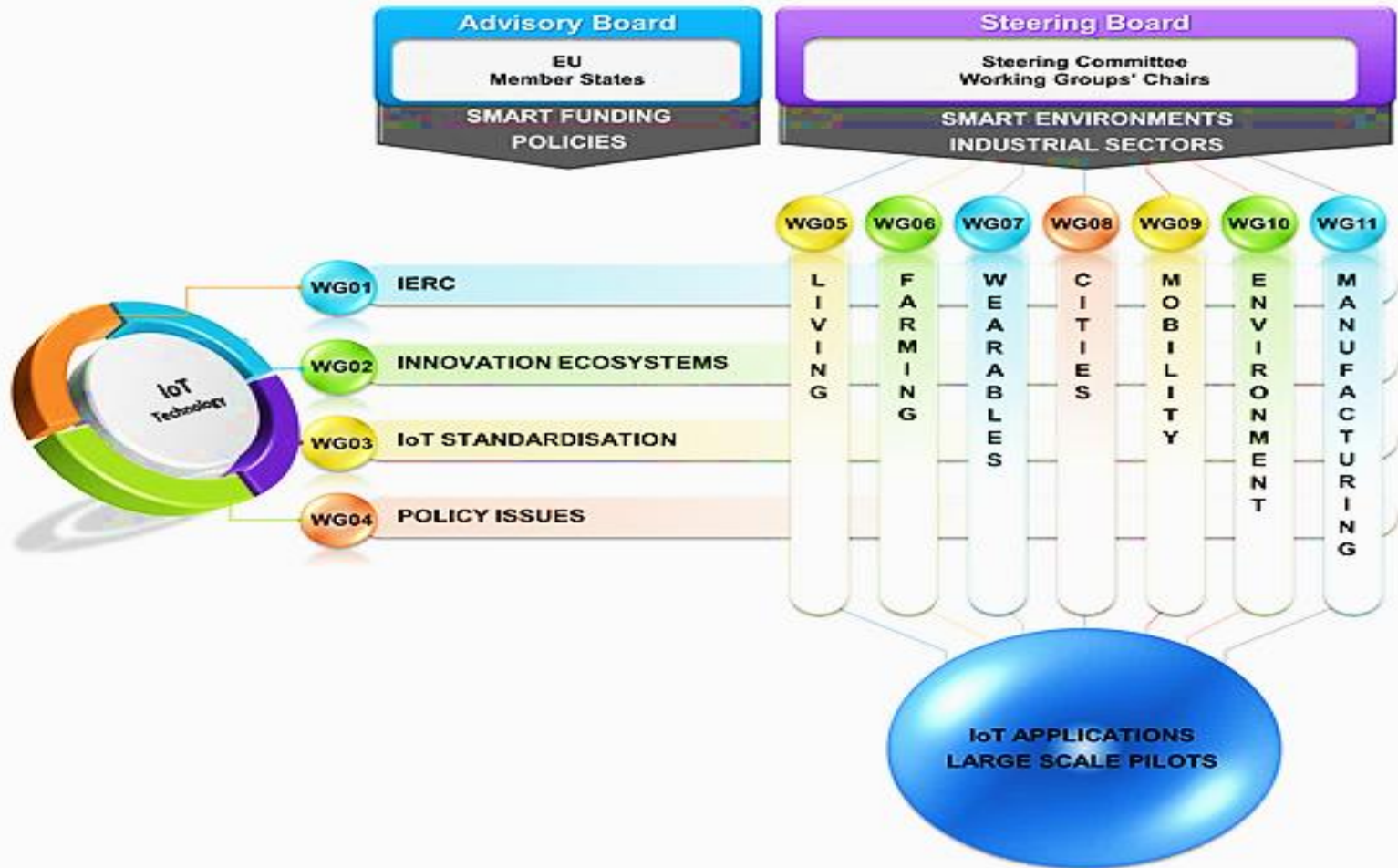


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Structure of the AIOTI

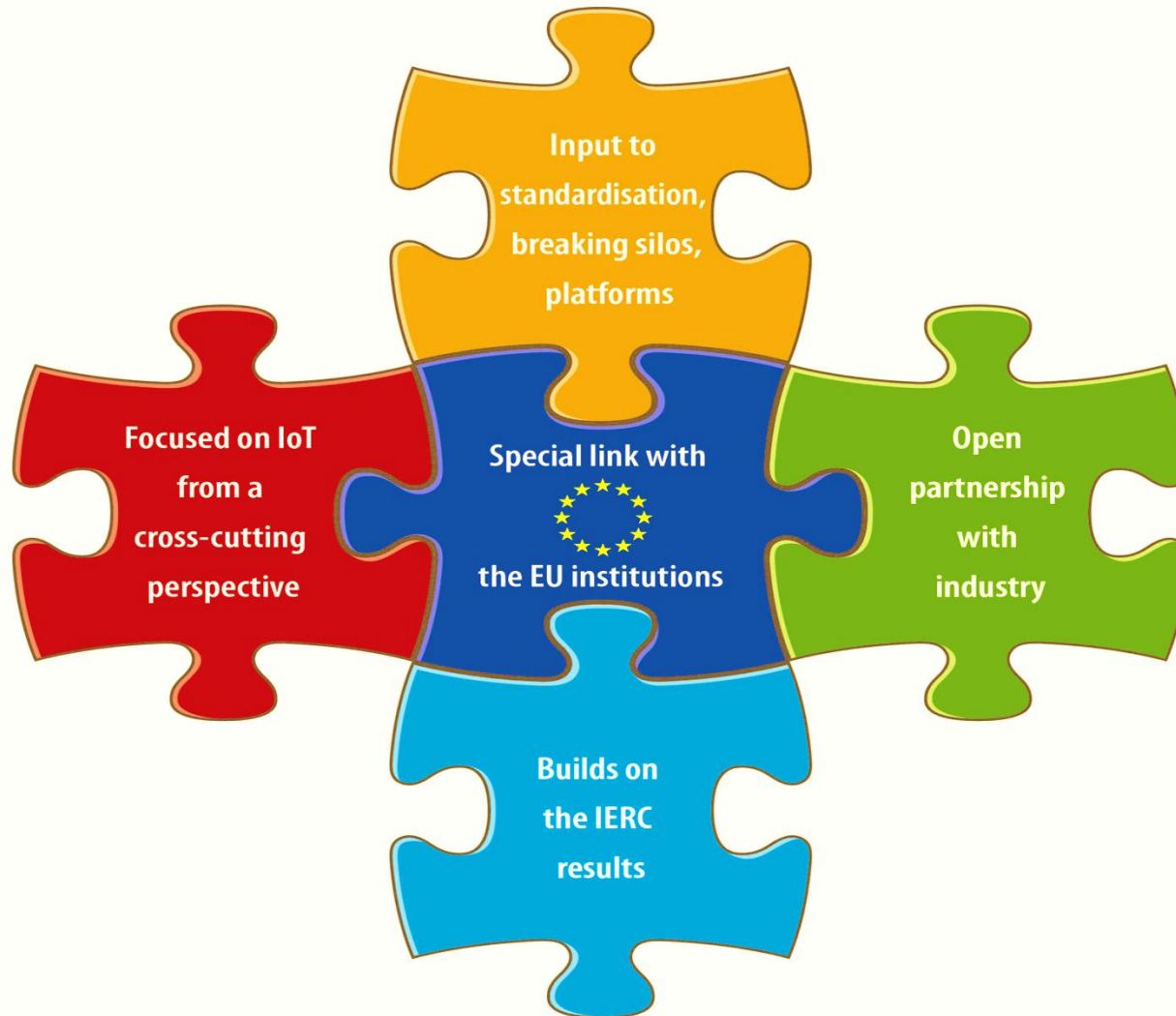
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Why the AIOTI is unique?



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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

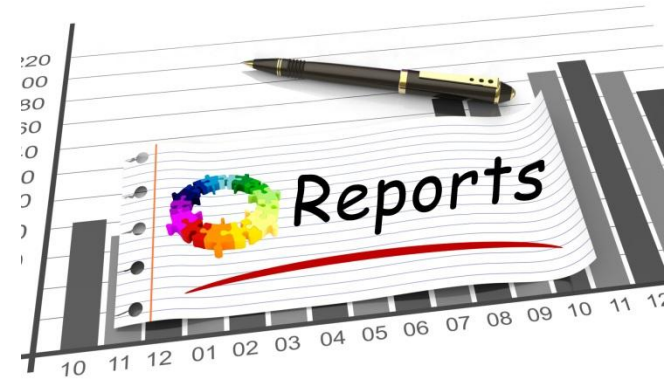


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AIOTI Recommendations for future IoT innovation and deployment are now published #H2020

<https://ec.europa.eu/digital-agenda/en/news/aioti-recommendations-future-collaborative-work-context-internet-things-focus-area-horizon-2020>



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

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

IoT Alliance	ARM	CISCO	Honeywell	IBM	intel	SAMSUNG
Alliance for the Internet of Things Innovation (AIOTI)	●	●		●	●	●
Allseen Alliance		●	●	●		
Industrial Internet Consortium		●	●	●	●	●
Internet of Things Consortium						●
IPSO Alliance	●	●			●	
LoRa Alliance		●		●		
Open Interconnect Consortium		●	●	●	●	●
Thread Group	●				●	●
Z-Wave Alliance			●			●
ZigBee Alliance	●	●	●			●

Image Credit: Peter C Evans



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AIOTI in the long term and stepping stones



2015

March
Phase 1: Ignition



2015

December
Phase 2: First Positioning



2016

April
Phase 3: Awareness raising



2017

Phase 4: Strategy road map



2020

Phase 5: Sustainability



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The Role of AIOTI in boosting IoT Business Value



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IAMalekos

The future of AIOTI and the participation of Greek Stakeholders

 **QUESTIONS?**



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Useful links

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<http://ec.europa.eu/digital-agenda/en/internet-things-Network-Technologies>

<http://ec.europa.eu/digital-agenda/en/network-technologies>

<http://www.aioti.eu>

#H2020

THANK YOU!!



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