AGILE -

Adoptive Gateways for dIverse MuLtiple Environments

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CREATE-NET, Trento, IT

ICT30–2015 Internet of Things and Platforms for Connected Smart Objects

- The Call: **ICT 30 – 2015: Internet of Things and Platforms for Connected Smart Objects**

- Deadline: **April 14th 2015**

- Budget:

  49M

- Submitted:

  abt 150 proposals

- Accepted:

  7 RIA, 2 CSA

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Problem to solve…

© Matt Turck (@mattturck), Sutian Dong (@sutiandong) & FirstMark Capital (@firstmarkcap)

AGILE OBJECTIVES

Community Engagement & Exploitation

Modularity

Extensibility

Device & Data Management

Privacy - Data Provenance

IoT Apps Ecosystem

AGILE

Workflow recommendation

Graphical App Development

Snappy Ubuntu

Diverse Pilots

External Clouds

AGILE Testbed

AGILE Consortium – 17 Partners
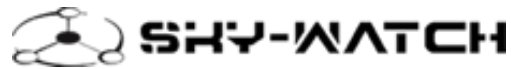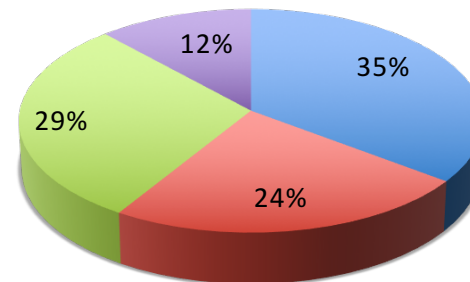
- **SMEs/Startups** — 35%
- **Industry/Large Enterprize** — 24%
- **Research** — 29%
- **NGO/Community** — 12%

ESR

Total Score: 14.5

Excellence: 4.5

The proposed solution is targeted towards both industry and individuals and will form the basis of an ecosystem of IoT applications shareable among its users and developers.

A range of suitable Use Cases are identified which provide the clear context and operational complexity to drive the proposed innovation.

The research challenges underlying these developments are less developed.

Impact: 5.0

The expected impacts of delivering an IoT platform and ecosystem can be effectively met by the project thanks to its strong open source approach and its crowd and participative relays.

The proposal has the potential to achieve an economic impact through the ecosystem of AGILE users. The environmental impact of the project is well identified and convincing.

The project will demonstrate the application of the IoT technologies and use cases in delivering solutions that can assist in the protection of the environment and wild life.

Communication and exploitation approaches are well structured.

ESR

Total Score: 14.5

Quality & Efficiency of Implementation: 5.0

The work plan is very well described with an effective breakdown of work packages, tasks, deliverables and responsibilities to achieve the project goals.

There is a high degree of complementarity amongst the consortium partners and there is a very good match between the experience and

expertise of particular partners and their responsibilities in the project.

The critical risks are well identified and the mitigation measures are convincing.

The procedures for the competitive open calls are clear and well structured

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Best practices

Ecosystem

Product

Use Cases

Impact

Community

Sustainability

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AGILE ECOSYSTEM

DEVELOPERS/ MAKERS
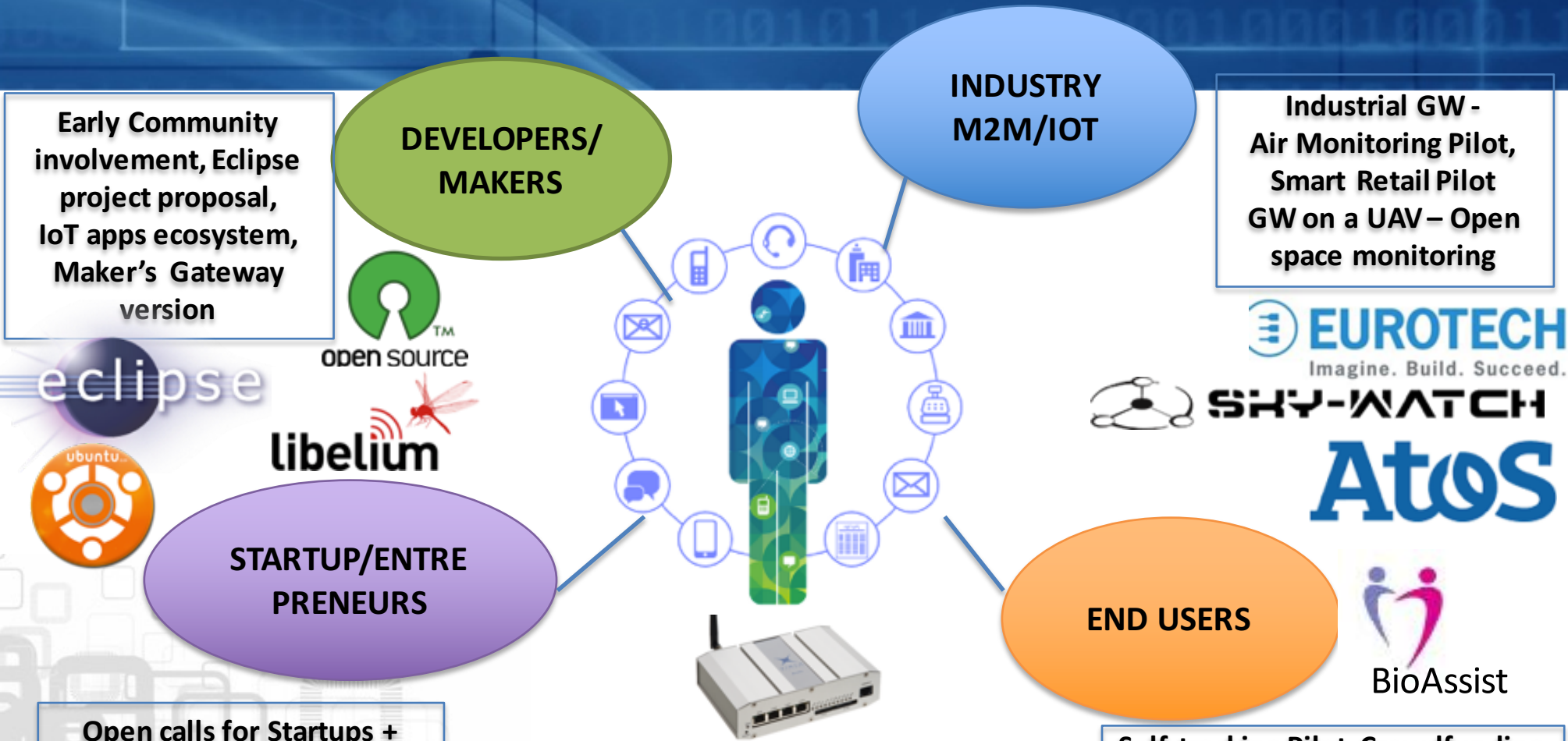
INDUSTRY M2M/IOT

STARTUP/ENTRE PRENEURS

END USERS
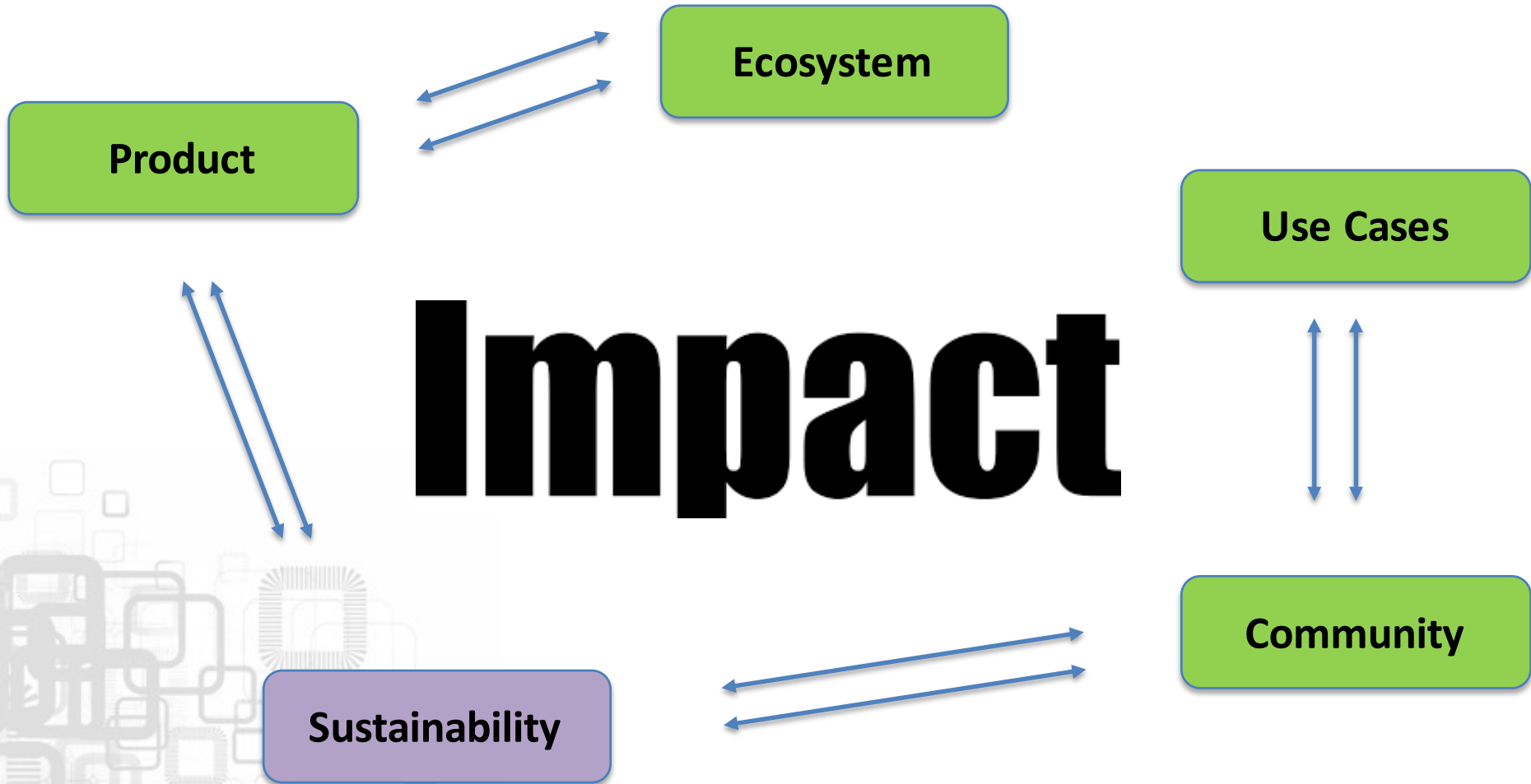
Early Community involvement, Eclipse project proposal, IoT apps ecosystem, Maker's Gateway version

Industrial GW - Air Monitoring Pilot, Smart Retail Pilot GW on a UAV – Open space monitoring

Open calls for Startups + SMEs for use cases & user adoption, Promotion to Accelerator programs
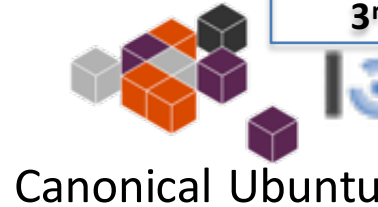
Self-tracking Pilot, Crowdfunding campaign IoT Testbed, IoT apps ecosystem, 3rd party apps (open calls)

open source™

eclipse

libelium

ubuntu

EUROTECH
Imagine. Build. Succeed.

SKY-WATCH

Atos

BioAssist

iMinds
CONNECT.INNOVATE.CREATE

startupbootcamp
The Accelerator for Global Startups

IoTango™

IoT-lab
CF

Inria

Canonical Ubuntu

Quantified Self-tracking

Open space monitoring

Build Apps

Share Data

Collect/Manage Data

300+ users

Crowdfunding campaign

AGILE Gateway

5 locations Monitoring of Air, Land, Livestock, and Port

AGILE IoT Testbed: 2500+ sensor nodes

SENSORS
- Light, humidity & temperature sensors
- Presence sensor
- Pressure sensor (bed, chairs, ...)
- Water sensor
- Electrical sensor
- Doors & windows sensors
- Open/close sensor
- Video camera
- PC

Bedroom

Livingroom

Kitchen

Bathroom
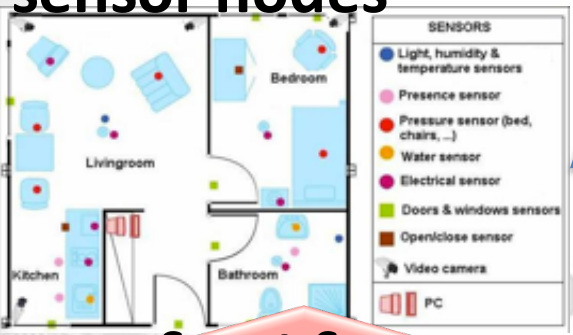
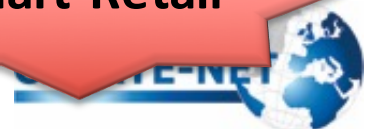**Smart Space monitoring + fleet management**

Open Calls

Additional Use Cases

Analytics, Notifications

Smart Retail

Reference Implementations

Eclipse SmartHome

Eclipse Kura

Ubuntu Snappy

Node-RED

RethinkDB

fi-ware

PaaS Enablers/APIs

Snappy Ubuntu

Modules

Marketplace

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Community Building

Eclipse IoT Project

Developers direct participation (RFCs, Competitions, etc.)

Open Calls

Crowdfunding campaign

Workplan Implementation

M1->M18   SW/HW Development

M18->M36 Maintenance & Dissemination

Contact

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