

Telecom Platform (PFT)

An Ecosystem for R&D, test & characterization of innovative wireless services & components



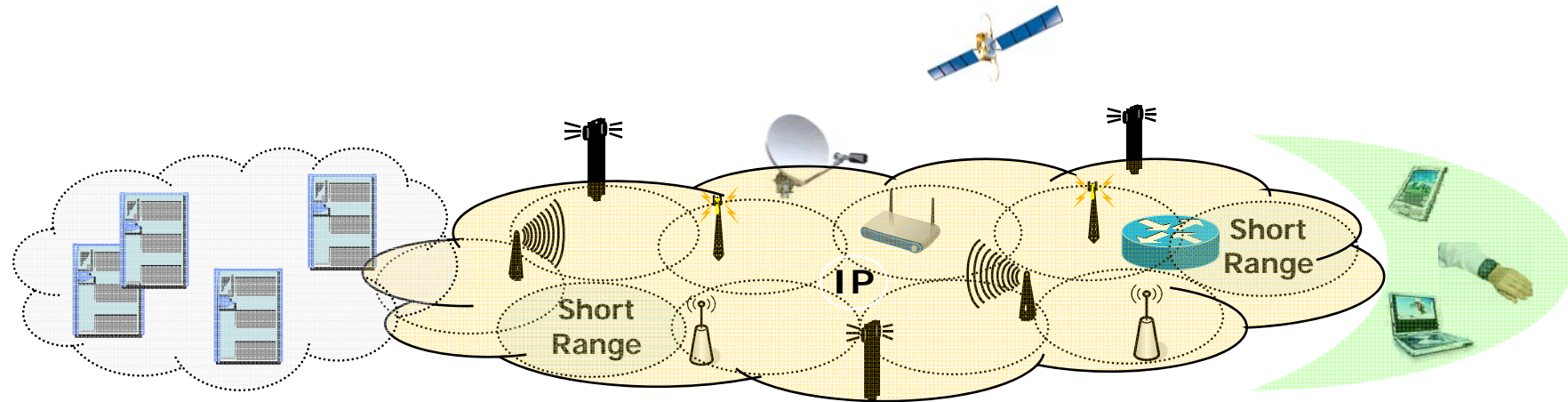
Claude Hary - Telecom Valley

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Objectives

- ❑ Focus on the convergence of wireless networks, services and communicating objects
 - ❑ Provide an open, perennial and real scale wireless ecosystem
 - ❑ Federate existing and experimental network technologies and applications middleware
 - ❑ Provide access to exclusive environment and resources for research, development and validation of communication technologies, applications and solutions' interoperability and convergence issues
 - ❑ Provide a training environment
 - ❑ Be a standard of reference for interoperability testing
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- ❑ Be used at national and European level
 - ❑ Increase synergy and performance
 - ❑ Accelerate development cycle
 - ❑ Stimulate the emergence of innovative products and services

An Ecosystem for R&D, test & characterization of innovative wireless services & components



Application environment

- Platforms
- IP / SIP / IMS Multimedia
- M2M application middleware & Decision tools
- Towards Internet of Things
- Access to PlanetLab
- Application & collaborative tools

Technologies & Network

- IP Convergence
- Access Network
WiMAX/ 4G / LTE
Meshed WIFI
Emulated WiMAX / LTE
- Mobile TV : DVB-H, DVB-SH...
- Satellite links
- Backhaul connections
- Short Range network
Zigbee, Wavenis, RFID, NFC...

Terminals

- Mobile phones
- Smartphones
- Prototypes
- Wireless sensors & other devices

scenarios

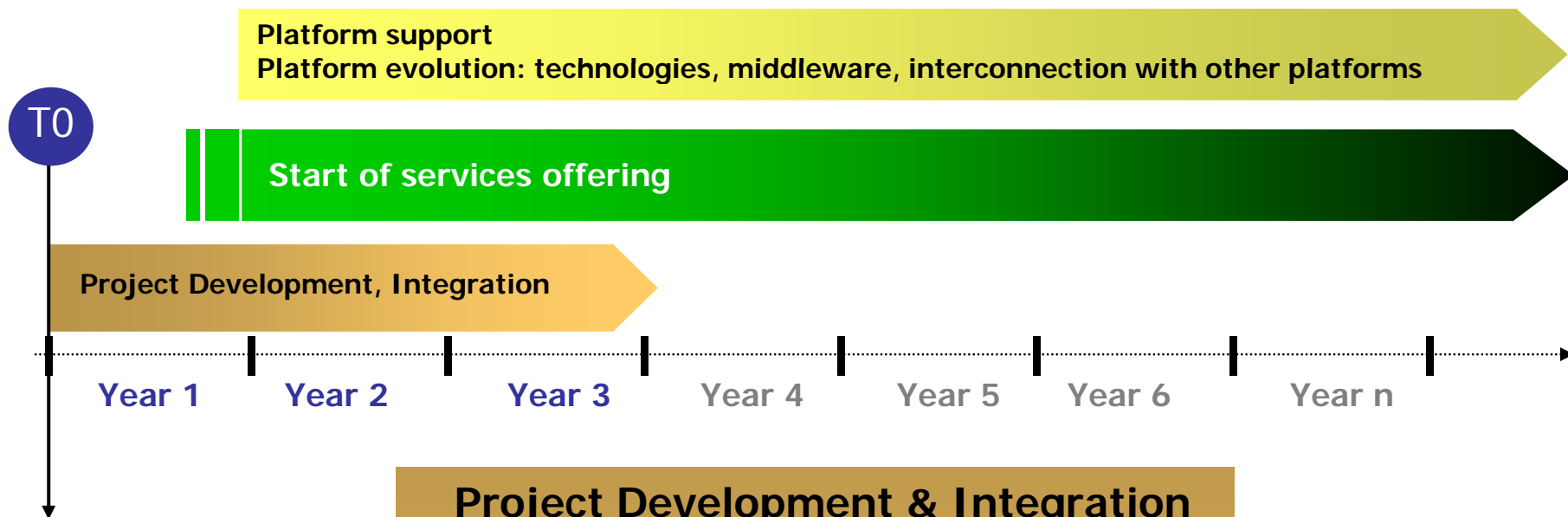


Experimentation Process Control
Methods & Tools: Performance, SLA , Traffic Generation



Measurements

Project synoptic



Project Development & Integration

- Network and technologies setup
- Network and services of the future
- Middleware and application for IP Multimedia sessions and services
- Middleware and applications M2M
- Experimentation methods and tools

Services offering

- ❑ Access to the platform environment
 - Development, test & characterization of product and services
 - R&D work
 - One to several technology cluster
- ❑ Access to methodology & tools for experimentation automation
- ❑ Access to consultancy services on technology & application
- ❑ Access to experimentation results, newsletter, web forum
- ❑ Access to experimentation center

- ❑ Business model
 - Based on client user organization size and type
 - Annual subscription
 - Daily fee depending on
 - Numbers of technology clusters used
 - Simultaneous or exclusive access
 - Type of usage : industrial or research

Usages examples

- ❑ Test terminal, applications, protocols ...
- ❑ Test integration, interoperability
- ❑ Analyze behavior, traffic routing and handover issues
- ❑ Perform resources training on new and to come technologies
- ❑ Need for a ready to go & easily configurable wireless environment

- ❑ Characterize prototype and pre product
- ❑ Develop & test technological and applications components with IP / SIP / IMS Layers in heterogeneous environment
- ❑ Develop & test communicating objects & their M2M management applications in a combine long and short range network environment
- ❑ Test behavior of distributed applications and contents through different networks types (WiMAX/LTE, satellite, internet access...)

Infrastructure & Location



- ❑ Accessible from any where via the network
- ❑ Components hosted at
 - Partners' premises
 - Experimentation & Demonstration Centers
- ❑ Working environment at experimentation center
- ❑ Infrastructure distributed and interconnected through the French South-Eastern Region (PACA)
- ❑ Operated by Telecom Valley

Benefits to Users

- ❑ Access to a real scale network and applications laboratory that could not be afforded other wise
 - ❑ Experience and results sharing
 - ❑ Accelerate development, integration, and validation
 - ❑ Use the Platform as a “Label of Reference”
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- ❑ Use the environment as a showroom
 - ❑ Reduce development and test cycle cost
 - ❑ Augment company and product visibility
 - ❑ Gain in time to market

The Consortium

Founding Partners



Currently integrating additional partner



Platform ported & operated by Telecom Valley for SCS Cluster



Financial support from public funding



Questions ?

Join the platform as

- Partner
- Member and user

Contacts

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