

# Barcelona Digital Technology Centre

[www.bdigital.org](http://www.bdigital.org)

**bdigital** BARCELONA TECHNOLOGY  
DIGITAL CENTRE

# 1. Barcelona Digital

**TECNIO**

Be tech. Be competitive

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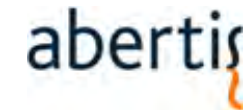
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unitronics

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# Barcelona Digital

The Catalan ICT Tech Centre of reference

**ALLIANCES**  
We collaborate,  
network, establish  
consortiums...

**MISSION**  
We foster...

- Growth of ICT sector
- Development of knowledge society

REGIONALLY

**OBJECTIVES**  
We promote,  
develop,  
disseminate...

- ICTs Use & knowledge
- Strategic R+D+I projects

NATIONALLY

**ASSETS**  
We combine, build,  
have...

- Scientific Language
- Business Understanding

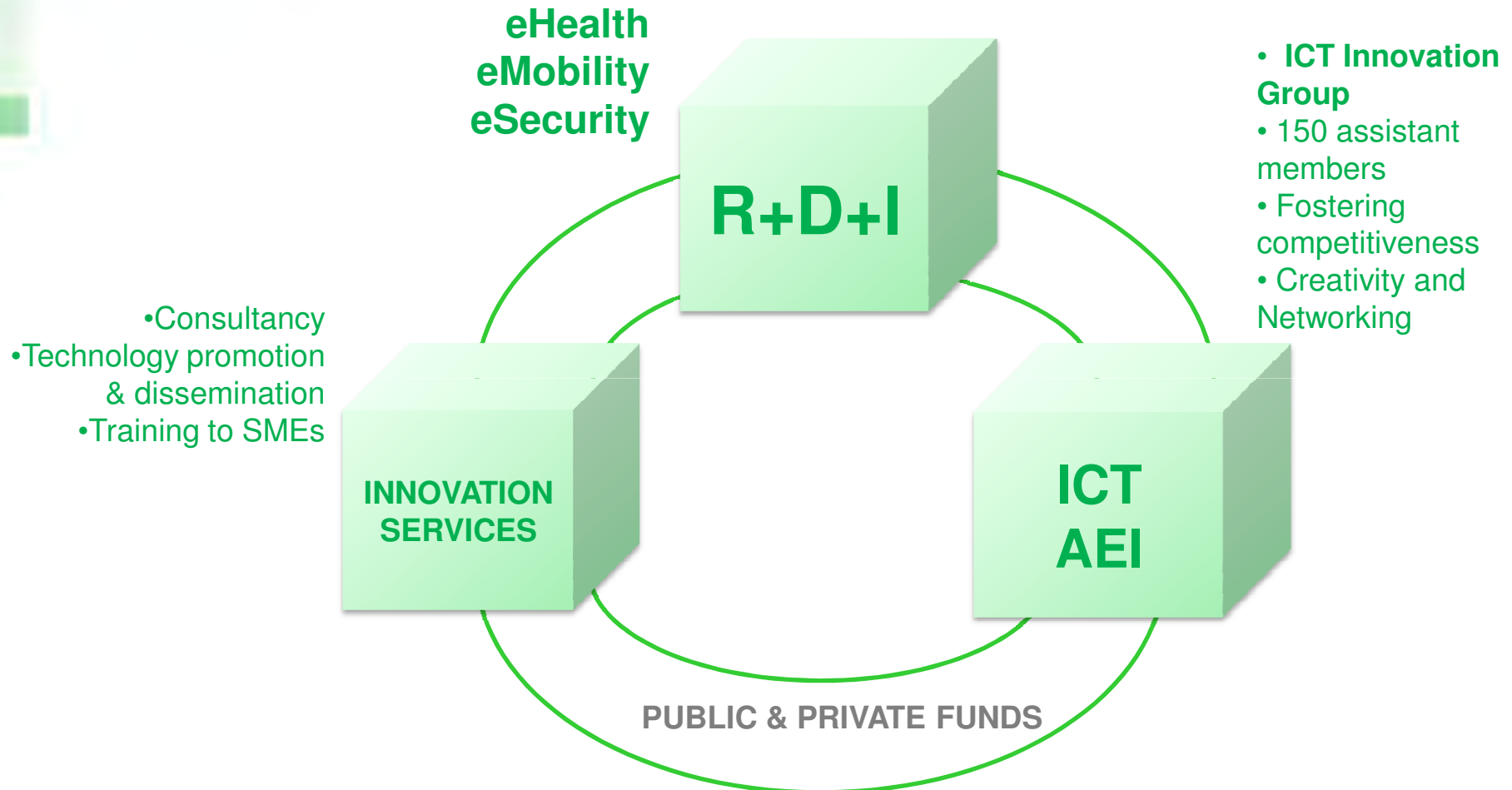
- Market oriented R+D+I
- Talented Team

INTERNATIONALLY

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# Strategic lines



# Our R+D ICT based solutions to:

IN HOUSE

R+D+I

projects

- Strategic
- Under contract

Meeting

industry needs

CONSORTIUMS

- National
- International

OPEN - COLLABORATIVE

## eHealth

- **develop novel** diagnosis, treatment and follow-up technologies for a **personalized** and **preventive** healthcare management,
- **create assistive** and **acesible** solutions for the **elderly** and the **disabled**

## eSecurity

- Ensure pervasive and **trusted network service infrastructure** and develop **antifraud solutions** (on line transactions and banking)

## eMobility

- Meet current and future **mobility needs of individuals, vehicles and goods** by enabling and managing **information ubiquity**.

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# ICT for eHealth

## R+D Lines

- ICT for medical rehabilitation
- Telemedicine
- Interoperability of eHealth applications
- Healthcare social networks
- Evidence-based medical decision support
- Assistive ICT for the elderly and disabled
- Simulation tools for medical planning



## PROJECTS

### BRAINABLE:

Autonomy and social inclusion through **mixed reality Brain-Computer Interfaces**: Connecting the disabled to their physical and social world

### NEUROREHAB\_3E+D

**New rehabilitation devices** to plan customized motor rehabilitation sessions for patients with acquired disabilities of neurologic origin

### CARENET:

**Advanced social healthcare network**: sharing of experiences & access to tools for own health monitoring

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# ICT for eSecurity

## R+D Lines

- **Anti-fraud solutions** for mobile access channels
  - Characterising Denial of Service attacks (**bonets**)
  - Identifying **emerging threats**
  - Methods to raise users **awareness of IT risks**

## APPLIED VISION TO THE SECURITY IN CAR RACES:

**Feasibility of automatic detection of events** through security cameras images

## ANTIFRAUD TOOLS:

**Recognition of behavioural patterns in real time** for multi modal accesses to electronic banking services.

## e-CRIME:

**New systems to prevent and block** phishing, malware, spam, or scam.

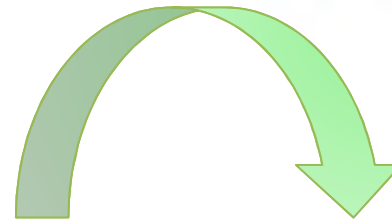
**PROJECTS**



# ICT for eMobility

## R+D LINES:

- Safe, clean and smart **urban mobility**
- **Intelligent and green vehicles**
- **Smart office and digital home**
- **Internet of things and ambient intelligence**
- **Context aware services and mobile platforms**

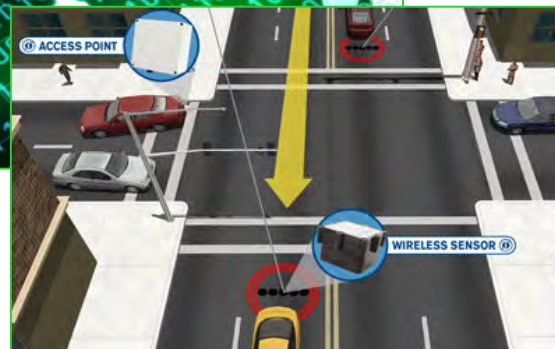


## PROJECTS:



### INREDIS:

**Ubiquitous accessibility** and seamless interoperability of e-services.



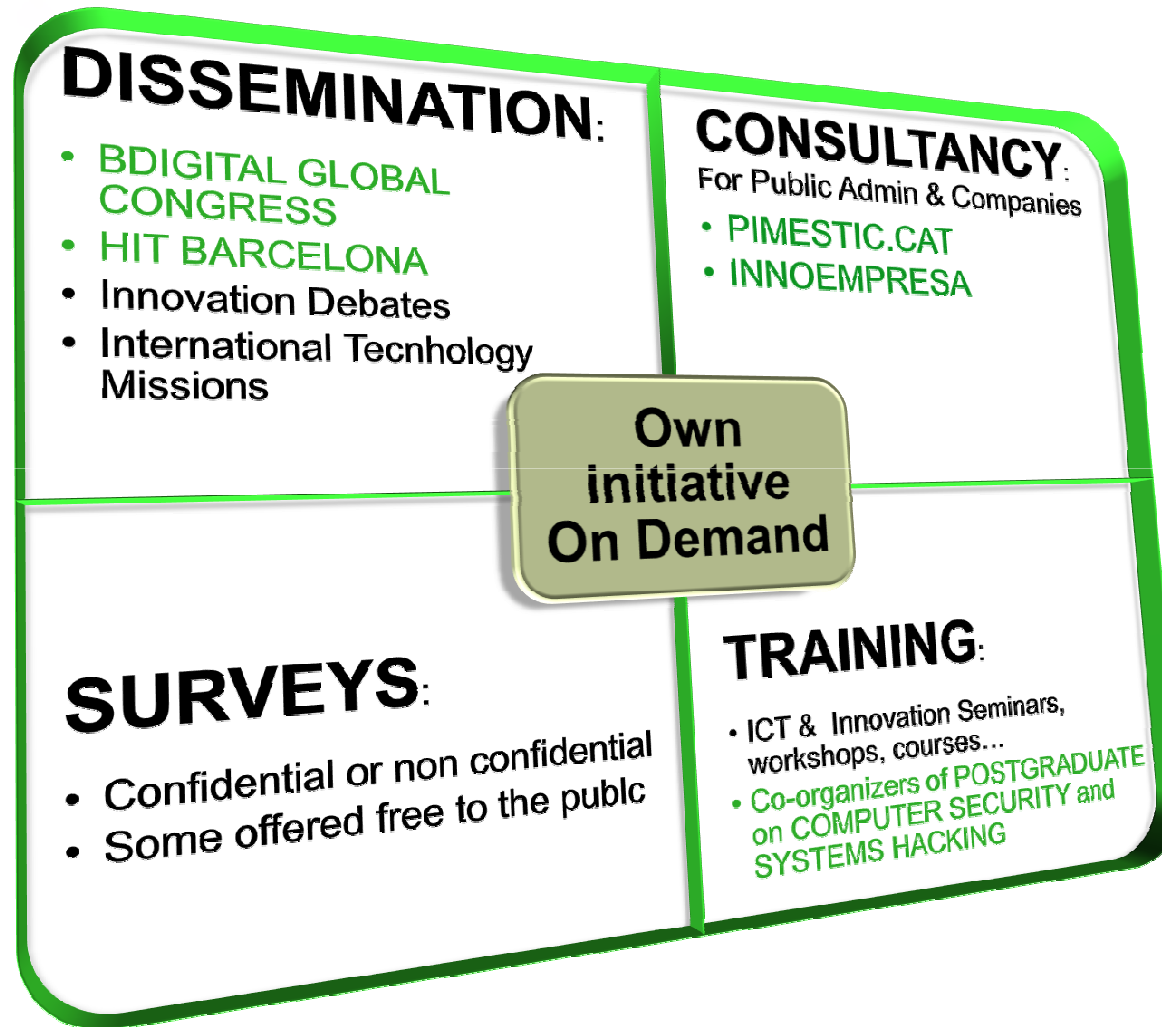
### PARKONLINE:

**Urban traffic management** for sustainable mobility based on sensor networks and mobile phone access.

### IA5, ACCELERATING COMPETITIVENESS THROUGH OPEN INNOVATION

Boosting Innovation capabilities of SMEs in an **Open Knowledge environment**.

# Innovation services



# ICT CLUSTER

**COMPETITIVENESS**

**Supporting companies to  
innovate at home and  
abroad**

- Fostering competitiveness
- Stimulating innovation
- Encouraging open collaboration

**INNOVATION:**

- Projects
- Special Services to members
- Innovative methodologies

**NETWORKING:**

- Consortiums
- Platforms
- Focused working groups
- International Missions

**CLUSTER** tic

**ICT Catalan Companies**

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# ICT CLUSTER: Innovative support for your innovation

- Debates
- Interaction
- Roadmap

**PILOT:  
ICT FOR  
TOURISM**

**TECH DRIVEN  
WORKING  
GROUPS**

**INNOVATION**

- AEI ratification
- Cross Sectors  
Pollination
- Cross Coaching

- Innovation Jam  
Sessions
- Digital Dinners
- A Coffee with...  
Meetings

**NEW  
METHODO  
LOGIES**

**PROJECTS**

- EXAMPLES:**
- PL Roadmap Catalan government
  - Neutral Tourism Services
  - Training with virtual Reality
  - Immersive Shopping

**ideing**  
Generating  
Ideas:



**THE CLUSTER  
TREASURES:**  
New type of corporate  
networking

**maduring**  
Streamlining and  
refining project  
proposals



- ICT CLUSTER:  
Our members

22 Arroba BCN, S.A.U	International Business Machines (IBM)
Abertis Telecom S.A.U.	Informática y Comunicaciones Avanzadas S.L.
Androme Ibérica S.L.	Innovation Strategies, S.L.
Capgemini España, S.L.U.	Institut de Recursos i Investigació per a la Formació S.L.
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Fundació Joan XXIII- CETEI	Kialti Tecnologías de la Información S.L.U.
Columbus IT Partner S.L.U.	Caja de Ahorros Pensiones Barcelona, La Caixa
Cometa Technologies, S.L.	Fundació Privada Universidad i Tecnologia (FUNITEC)
Comunicació Digital, Equip professionals, S.L.	Lavinia Interactiva S.L.
Conzentra Tecnologías de la Información, S.L.	Mediterranea Soluciones Informáticas Financieras, S.A.
D'Aleph Iniciativas y Organización S.A.	MicroArt S.L.
Davinci Consulting Tecnológico S.A.	Microsoft Ibérica, S.R.L.
Institut d'Estudis i Professions S.L.	Migjomser, S.L.
Deveoop Software, S.L.	Mizar Multimèdia, S.L.
EASY Innova, S.L.	OpenTrends Solucions i Sistemes, S.L.
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Genos Open Source SL	Telefónica España, S.A.
Getronics España Solutions, S.L.	T-Systems ITC Iberia, S.A.U.
GTD Sistemas de Información S.A.	Unitronics Comunicaciones S.A.U.
Hewlett - Packard Española, S.L.	



MEMBERS

# We are connected

We benchmark ICT policies of **Catalan government** and **BCN city council**

We are members of leading associations, platforms and specialized networks

- Hospitals
- R+D groups
- Universities
- Companies

**PUBLIC ADMINISTRATION**

**NETWORKING**

**CONSORTIUMS & PLATFORMS**



Ontario Centres of Excellence



Committed to Wiping Out Internet Scams and Fraud

Member of **European Network of Living Labs**



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# ENPI PROJECT. IT Cluster proposal

## ENPI PROJECT. Program description

The "**ENPI CBC Mediterranean Sea Basin Programme 2007/2013**" ([www.enpicbcmed.eu](http://www.enpicbcmed.eu)) is a multilateral cross-border cooperation programme co-financed by the European Union under the European Neighborhood and Partnership Instrument (ENPI). The general objective of the Programme is to contribute to promoting the sustainable and harmonious cooperation process at the Mediterranean Basin level by dealing with the common challenges and enhancing its endogenous potential.

The programme has 4 Programme Priorities and to the 10 related Measures. The most suitable for clusters was:

### 1. Promotion of socio-economic development and enhancement of territories

1.1. Support to innovation and research in the process of local development of the Mediterranean Sea Basin countries

1.2. Strengthening economic clusters creating synergies among potentials of the Mediterranean Sea Basin countries

1.3. Strengthening the national strategies of territorial planning by integrating the different levels, and promotion of balanced and sustainable socio-economic development

### Main Features:

**Programme:** the European Union under the European Neighborhood and Partnership Instrument (ENPI).

**Publication date:** 19/05/2009

**Deadline:** 20th October 2009

**Total Budget:** 32.8M€

**Duration:** max. 48 months

## Our proposal : CLINNT Project

IT Cluster, worked on ENPI project called **CLINTT (Clusters and Innovation, the concept of clusters and Technological centers, and their role for competitiveness and innovation in IT:** main results and lessons learned at Mediterranean countries) within the measure 1.1 about the "*Support to innovation and research in the process of local development of the Mediterranean Sea Basin countries*"

### Main goals:

**Specific objective:** The project aims to establish the factors at play and methodologies of work determining success, rules and recommendations for sustainable implementation and development of innovation and IT technology transfer centers at different Mediterranean countries.

**Expected results:** 1. Report on learned lessons on innovation and technological transfer among different countries. 2. DAFO of each country. 3. A Practical Guide with recommendations for successful and impactful collaboration between R+D+i IT centers and companies on their clusters in IT sector.

# REGIONS OF KNOWLEDGE

## Program description

The “Regions of Knowledge” initiative in FP7 responds to a need at European level to increase the overall capacity of regional players in enhancing science and technology based development.

Its purpose is to enable regions to strengthen their capacity for investing in and conducting research and technological development activities in a way which can contribute significantly to economic development. This shall maximize the potential for a successful involvement of regional actors in the European Research Area (ERA).

### Technical content/scope:

The call searches the contribution of the "Transnational cooperation between regional research-driven clusters" by covering the following activities:

1. Analysis, development and implementation of research agendas
2. Mentoring of regions with a less developed research profile by highly developed ones
3. Initiatives to improve integration of research actors and institutions in regional economies

Call Identifier: FP7-REGIONS-2010

## Our proposal : IT CLUSTER PROPOSAL, E-HEALTH Project

The “E-HEALTH cluster project” will identify and exchange best practice cases and “lessons learnt” out of past operations and activations of such centres. A particular focus of work shall be laid on the relevance of co-players such as SME CLUSTERS & INNOVATION/TT CENTRES on the one hand, and the applicability and appropriateness of OPEN INNOVATION METHODOLOGIES in the process of innovation and increasing competitiveness by the use of IT at ehealth sector.

**We search for partners:** other innovation or tech transfer centers of clear industrial orientation, promoters of such centres (governments, company consortia...) and users of such centres (companies, in particular SMEs, company clusters or networks).

# Our team

We have the expertise for a Win Win Collaboration



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# Just call us & let's talk!

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