RegioneEmiliaRomagna

AgendaDigitale ADER

Emilia-Romagna Digital Agenda

PIACENZA

PARMA

REGGIO EMILIA

MODENA

BOLOGNA

FERRARA

RAVENNA

FORLÌ CESENA

RIMINI

Area: 22.452,78 sq. km

Population: 4.454.393

GDP: 144.515 M €

GDP per capita: 32.487 €
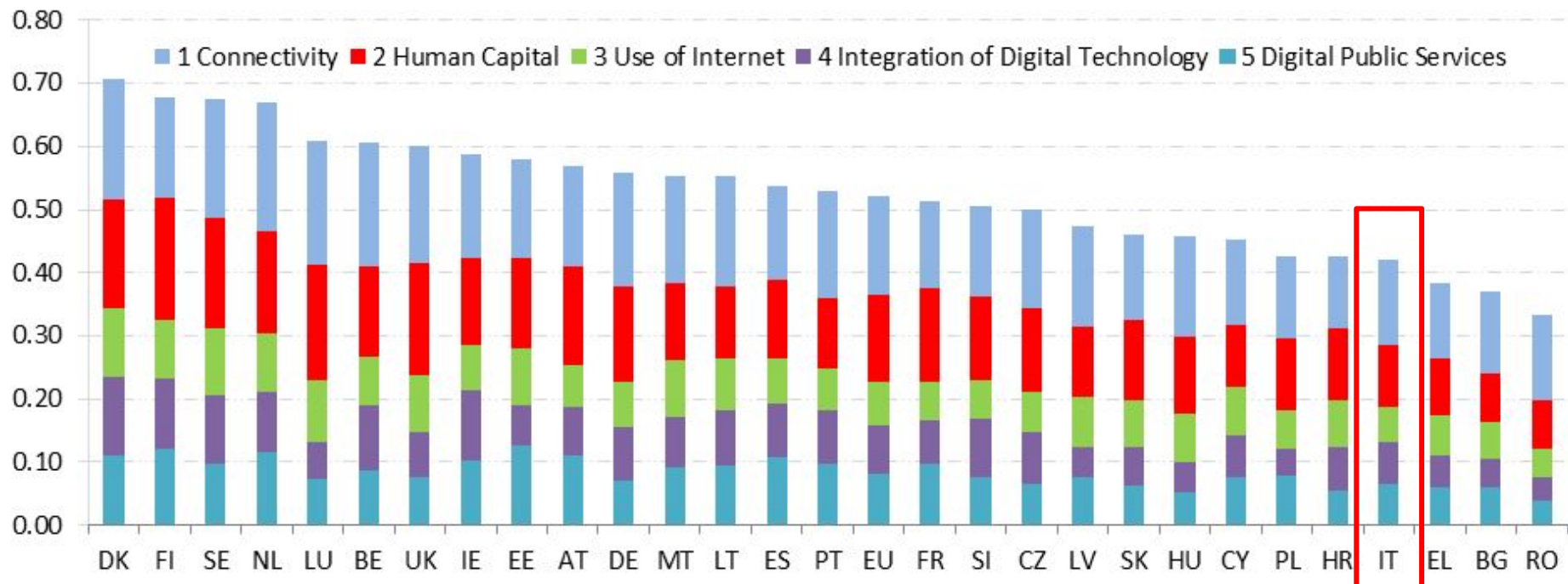
Unemployment rate: 6,9%
(Italy 12,3% - EU18 10,9%)

A SMART REGION AT THE CROSSROADS OF EUROPE

Digital Economy and Society Index (DESI) 2017 ranking

Legend: 1 Connectivity · 2 Human Capital · 3 Use of Internet · 4 Integration of Digital Technology · 5 Digital Public Services

Countries (left to right): DK, FI, SE, NL, LU, BE, UK, IE, EE, AT, DE, MT, LT, ES, PT, EU, FR, SI, CZ, LV, SK, HU, CY, PL, HR, IT, EL, BG, RO

EU digital agenda → Digital Single Market

The Pillars

Access: better access for consumers and businesses to digital goods and services across Europe;

Environment: creating the right conditions to make the EU's digital world a seamless and level marketplace to buy and sell.

Economy & Society: Ensuring that Europe's economy, industry and employment take full advantage of what digitalisation offers.

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EU digital agenda → Digital Single Market

Italian digital agenda

Emilia-Romagna digital agenda

The Italian strategy for next generation access network
developing a high speed optical access network throughout the country to create a future-proof telecommunication infrastructure.

The italian strategy for the digital growth
A roadmap to achieve the complete digitalisation of the country: public services switching from analog to digital, economic and social growth through enriched competences, coordinated and more qualified public investments in ICT.

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EU digital agenda → Digital Single
Market
Italian digital agenda
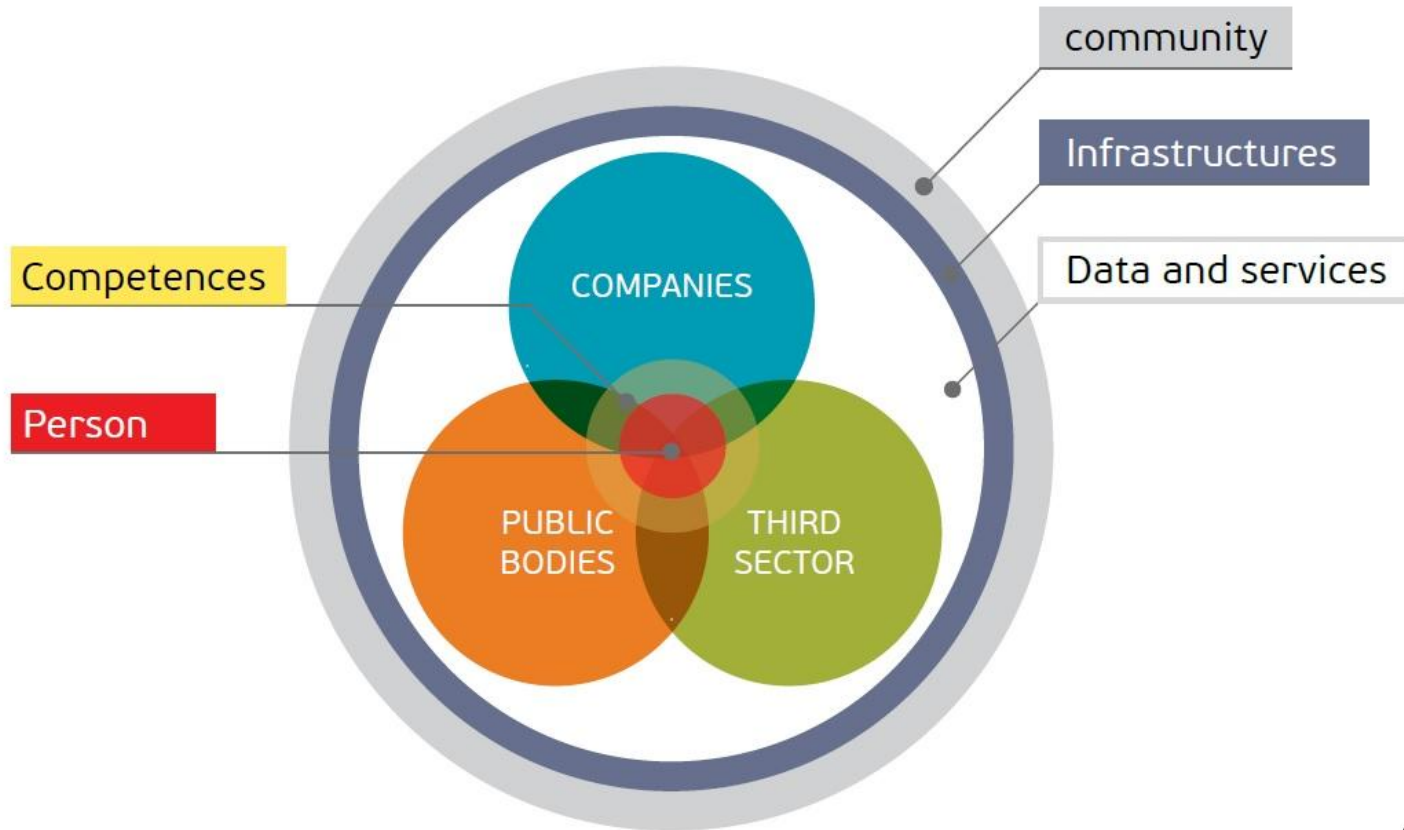**Emilia-Romagna digital agenda**

to get to a **fully digital Emilia-Romagna by 2025**: a region where people live, study, enjoy themselves and work using technologies and the internet as normal practice;

to have **digital rights fully satisfied with a "zero difference"** approach, with equal conditions for all places, people, companies and cities and the creation of common digital ecosystem.

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THE FOUR INTERVENTION AXES

1- infrastructures, 2- data&services,
3- digital competences, 4- communities

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Priorities

- Ultra-BroadBand (UBB)
- Emilia-Romagna WiFi
- 100% digital communities
- Digital Local Agenda
- Digital Competences
- Digital Festival

ULTRA-BROADBAND

citizens, industrial areas, schools, local authorities

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REGIONAL ULTRA-BROADBAND PLAN.

compliance with the EU Digital Agenda targets for 2020 (30Mbps to all citizens; 100Mbps to 85% of population)

Targets →

connectivity to **industrial districts** and **public administrations** (200 industrial districts and 100% Municipalities with UBB services)

connectivity to **schools** (100% schools with UBB services, of which at least 50% linked via optic fibre)

National plan →

part of the Italian national UBB Plan; use ERDF and EAFDR resources from Regione Emilia-Romagna and national funds
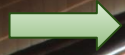
Time →

to be realised in 4 years, **ending in 2020**

Principles →

compliant with **technological neutrality** principles

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REGIONAL ULTRA-BROADBAND NETWORK *LepidaNetwork*

MAN ➔ *#79.000 KM* fiber-optics for **Metropolitan Area Networks**
#865 KM of Infrastructures MAN

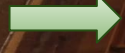**WAN** ➔ *#64.300 KM* fiber-optics for **Wide** (geographical) **Area Network**
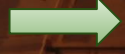*#2.760 KM* of Infrastructures WAN

DigitalDivide ➔ *#38.000 KM* fiber-optics network for bridging **Digital Divide**

PAL*epida* ➔ *#1.721* Point-of-Access **(PALepida)** in Emilia-Romagna

Peering ➔ *#40 peering* services for **TelCos**

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UBB MODEL FOR INDUSTRIAL AREAS – *#Net4All.*

passive infrastructures owned by the **public sector** are made available **for free** to host the optic fibre
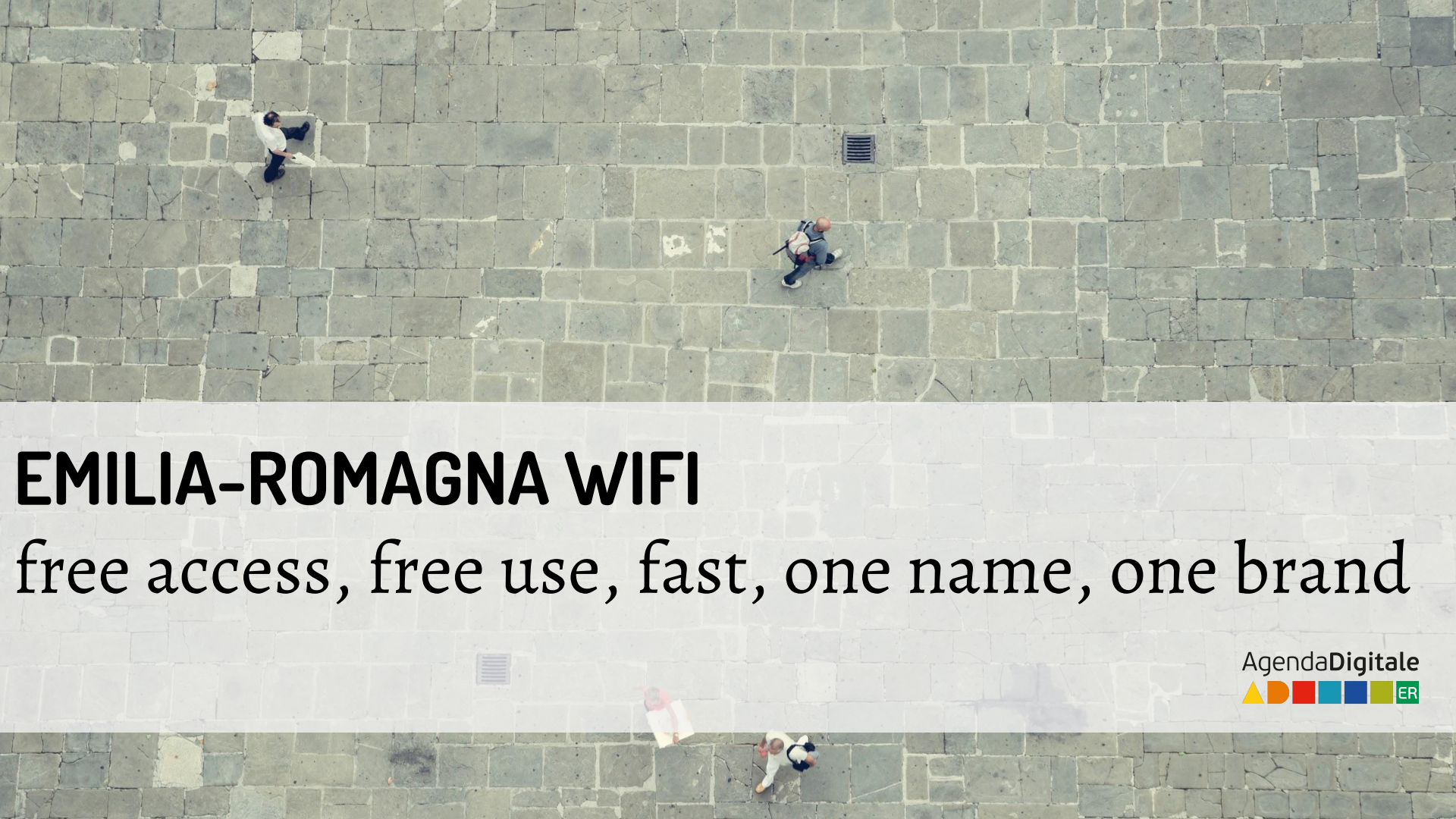
involved companies pay for the fiber and its laying, as an *una tantum* contribution

European Broadband Award

2016

backbone starts from the closest POP of the **Lepida Network**

private TelCos provide connectivity and other added value services at an extremely favorable cost

https://ec.europa.eu/digital-single-market/en/news/winners-european-broadband-awards-2016

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EMILIA-ROMAGNA WIFI

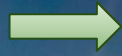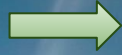free access, free use, fast, one name, one brand

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Free Access → *#NoAuthentication required*

Free Use → *#24/7 web surfing with no limitation & restrictions*

Fast → *#UltraBroadBand thanks to Lepida fiber-optics network*

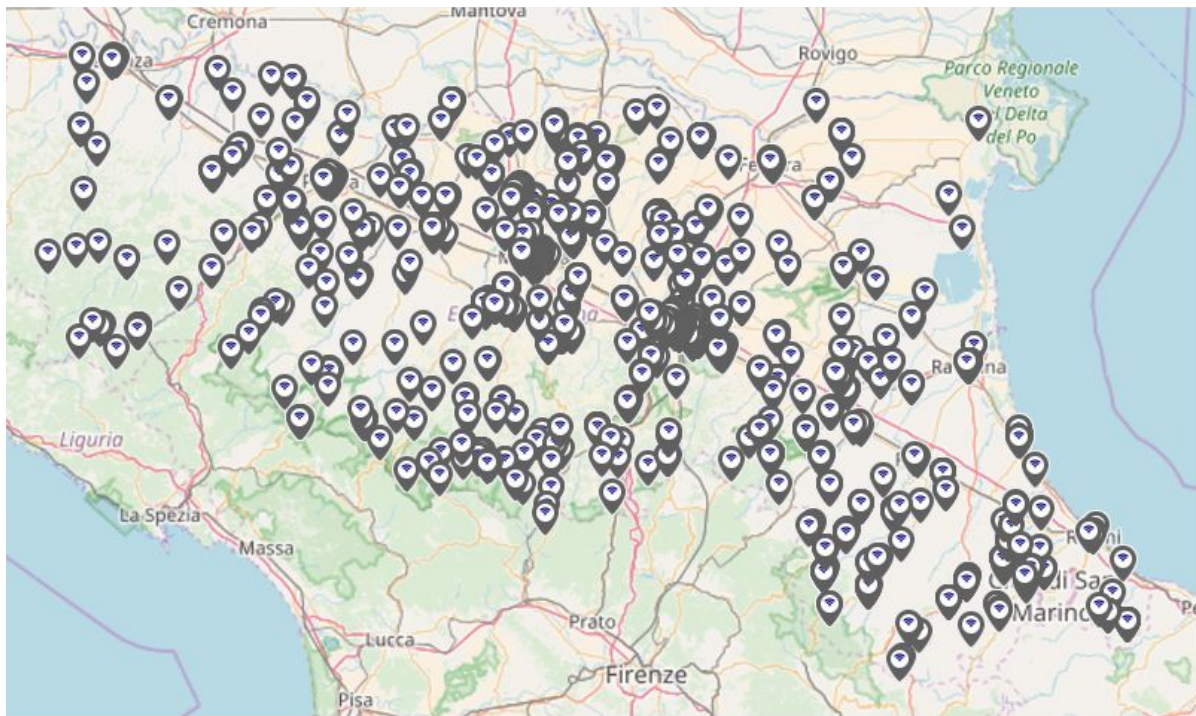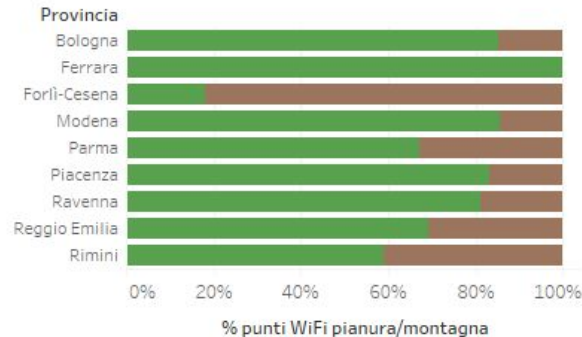**One Name** → *#EmiliaRomagnaWiFi - only one SSID within regional boundaries*
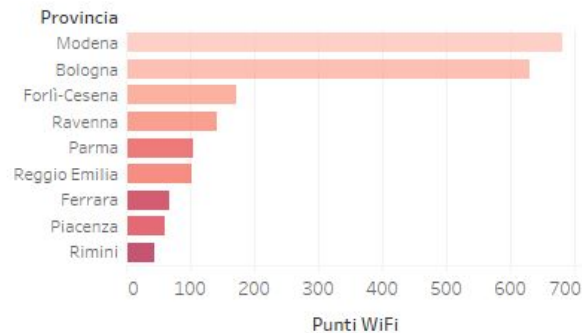
One Brand → *#HighVisibility through WiFi stickers & branded sign-posting*

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2017 -> 2000 WiFi access points

2020 -> 4000 WiFi access points

100% DIGITAL COMMUNITIES [IN THE MOUNTAIN AREA]

towns/villages as "living-lab", test and monitor the impact of ICT, social and economic dimensions, participation

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100% DIGITAL COMMUNITIES [IN THE MOUNTAIN AREA].

Towns/villages situated in the Appennino area **as "living labs" to test and monitor the impact** of an intensive use of digital tools and resources, technologies and Internet, applied to all social and economic dimensions of those communities.

Initiatives planned in ADER will be actuated in the areas where these labs are located, as a support to the initiative, but they will by no means be the only experiences to be put forward: **labs will be the places where good practices will find a way to be tested and possibly adopted**.

Implemented via the **active collaboration** of citizens, local institution, schools, local associations and local entrepreneurs.

Towns and villages hosting the labs will have to answer to some specific preconditions: be in the UBB plan, seat of an high school, have local actors interested in co-financing the initiative also with human resources.

ADLER – DIGITAL LOCAL AGENDA
digital policy at local level, shared methodology, participatory process

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Ensure digital rights to everybody

100% digital territory with zero differences (same objectives as ADER)

DLA

Create an environment ready for innovation

Improve Public Administration services and organisation

Involve citizens, enterprises, volunteers, third sector in our projects

A "PACT FOR INNOVATION" with our territories

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DIGITAL COMPENTENCES

competencies for a complete citizenship, new rules and tools, competencies for a renewed public administration, digital school

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Digital competences for young people and for people in work or looking for work, particularly those with managerial roles, ICT roles and citizens in general

Digital competencies for a complete citizenship: it is aimed at allowing everybody to fully live citizenship's rights in a digital era. To bring digital literacy to everybody in partnership with Municipalities, libraries and local associations

Testing of **new rules and tools to produce learning objects** (Open Educational Resources approach) and the development of **digital competences' "certification"** which are now gained in a highly diversified context (formal, non formal, informal)

Digital competencies for a renewed public administration: providing public administrations and civil servants with competencies to manage and use all the potentials offered by digital resources and implement the innovation processes which are part of ADER

Digital school --> see "Integration"

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Digital Schools

coming soon...

Agreement between the Emilia-Romagna Region and the **Italian Ministry of Education**, University and Research to jointly implement the actions of the National Digital School Plan

Support to the **Regional Inner Areas local network** in planning initiatives for digital school

Regional information campaign to **promote STEM for girls** against the digital and technological gender gap

Summer School for Girls in ICT aimed to involve girls in the digital and technological fields

Innovative tools for the Italian language learning "Let's meet on SELF" tutorial for the organization of on-line courses of Italian Language (L2), "Fare Parole" web application for illiterate migrants (adults)

"**Digital Generation Gap in Migrant an Low Educated Families**" Erasmus Plus project to promote digital literacy in Immigrants' communities
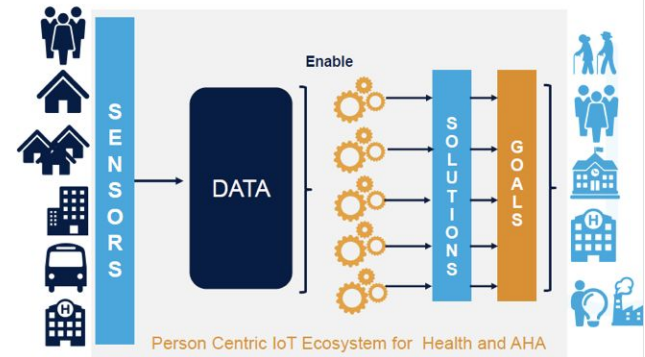
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eHealth

Prevention, lifestyle changes and personalised medicine: big data and Personal Electronic Health Record (Fascicolo Sanitario Elettronico – FSE)

Electronic Personal Health Record service for Europe and cross-border interoperability: National Contact Point eHealth (Italian Ministry of Health) under Connecting Europe Facility
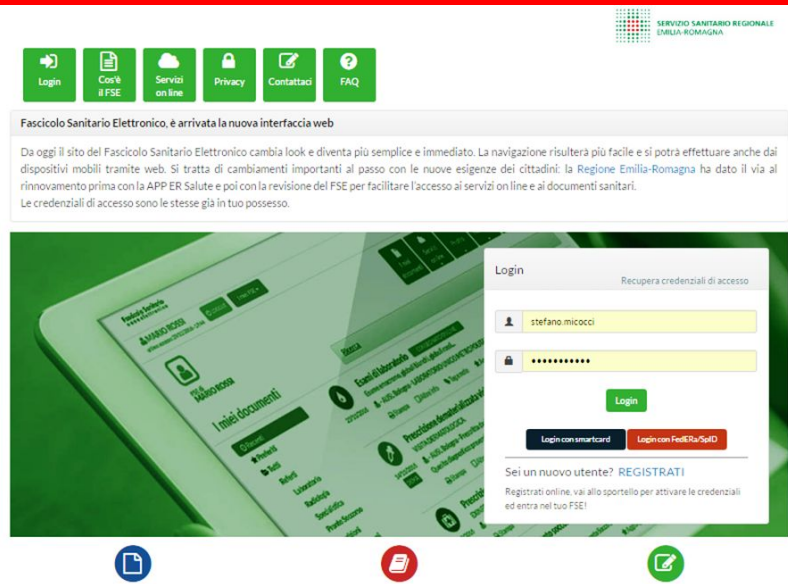
Ageing society, smart living and home care, de-hospitalization: connected "Health House"(Casa della Salute) and Internet of Things (H2020 Activage project and Memorandum of Understanding with Wellness Foundation)

Person Centric IoT Ecosystem for Health and AHA

linking policies to practice. Modena sept. 2017

festival-*izing* digital.

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digital is way part of our lives. Policies then must tell a story of **everyday life** where future is already available and accessible to everyone. Digital must be taken for granted: we need to understand what to do **after** digital, i.e. when it stops being extraordinary and becomes **normal**.

vision

today *is* tomorrow.

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40

demo
future technologies

10

labs
and exhibitions

35

conferences

OFF Events

⏻

Concert [bit]
Silent Disco
Instagram Contest
BUS tour
Food and entertainment
Bike ride
Off conference

the festival in numbers

100+ speakers...

2018 see you in Reggio Emilia

after.....*

FUTURI DIGITALI

thank you