APIs and digital ecosystems in Lombardy

An effective way to spread public value to citizens & private companies

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APIdays Conference, Barcelona

Summary

- **Region Lombardy and ARIA**

- **Strategic goals**

- **APIs & digital ecosystems in Lombardy**

- **Main workstreams & challenges**

Region Lombardy and ARIA

Region Lombardy: beauty and complexity
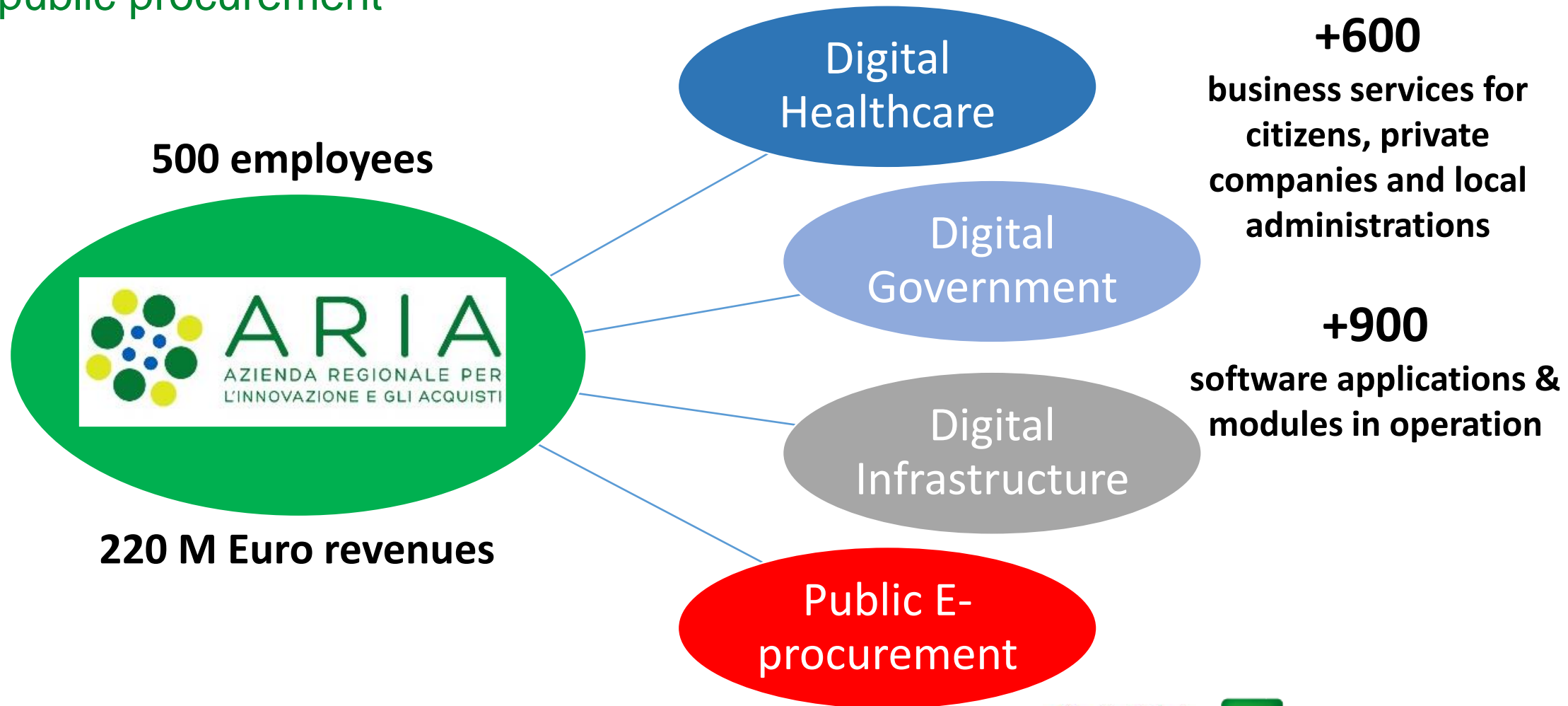
10 Millions citizens   +1500 Municipalities   816.000 companies   366.500 M Euro GDP

Regione Lombardia

ARIA spa

The Regional in-house company focused on digital innovation and public procurement

500 employees

220 M Euro revenues

Digital Healthcare

Digital Government

Digital Infrastructure

Public E-procurement

+600

business services for citizens, private companies and local administrations

+900

software applications & modules in operation

Strategic goals and reference scenario

4 Steps towards a full Digital Government

All is Digital

Digital ecosystems

Open data & open services

E-Gov

New processes enabled by data and algorithms (smart machines)

API sharing and digital relationships

Publishing of Public data & services

Gov Websites and Online services

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Regione Lombardia
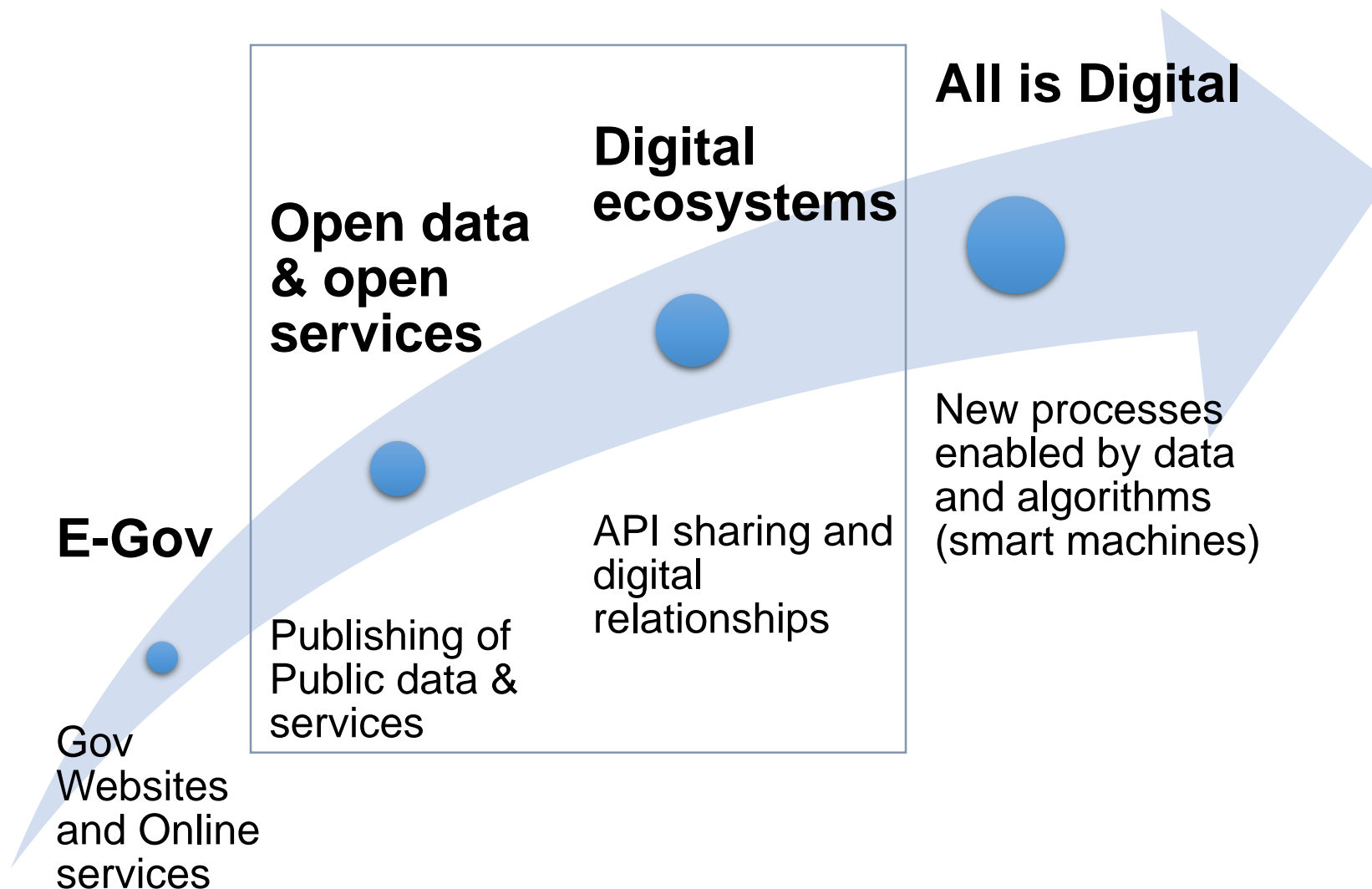
Strategic goals
Openess and Digital relationships

- Fostering the growth of digital ecosystems and relationships to leverage the digital transformation of Region Lombardy and its territories

- Using an API-driven approach to open the overall Regional Information System and spread «public value» to citizens, private companies and other Public Administrations

- Encouraging public-private partnerships to share APIs and co-design and implement brand new digital public services

API definition: a non-technical perspective

Technical definition

An application program interface (API) is a **set of routines, protocols, and tools** for **building software applications**. Basically, an API specifies **how software components should interact**

HOW TO ?

Business definition

An application program interface (API) is a **service interface, technology independent**, which exposes **business functionalities** that can be used to create **new digital services and new relationships** inside a **digital ecosystem**

[FOR] DOING WHAT?

API: what does it mean in Lombardy?
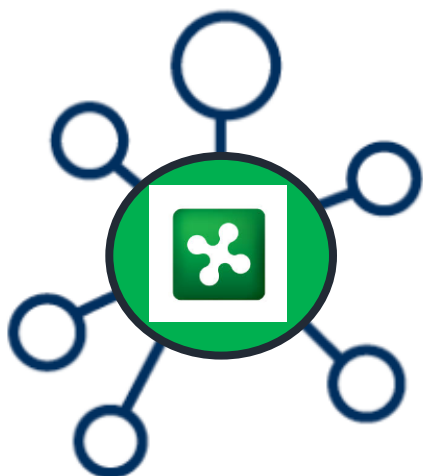
Administrations

Public value

Interoperability

APIs & Digital Ecosystems

Reference scenario

WHO

Everyone

Public Administrations
and Private companies

Local and National
Public Administrations

WHERE

Open ecosystems

(opendata & geoservices)

Community ecosystems

E015
digital ecosystem

Closed ecosystems

(Healthcare, Urban planning, Sustainability, Public Safety, Education-Training-Occupation …)

Public APIs

Community APIs

Restricted APIs

WHAT

Digital Information assets

Internal APIs

Regional Information System

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Lombardia

Public APIs and open ecosystems

The Lombardy Opendata Portal

dati.lombardia.it

- More than 3.300 public datasets
- All datasets accessible through Rest APIs
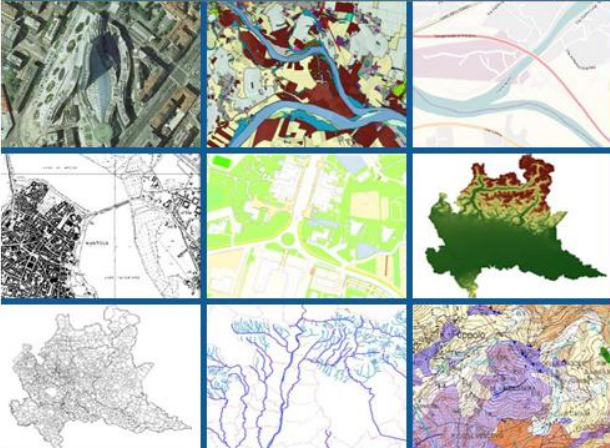- Datasets published both by Region Lombardy and other Local Administrations

The Lombardy GeoPortal

- GeoCatalog

- More than 250 maps available through APIs (Rest APIs & OGC Webservices)

EO15 digital ecosystem: a public-private community ecosystem

E015 digital ecosystem

An experience born to support EXPO 2015 World Exposition in Milan

E015 Board

Regione Lombardia

CONFINDUSTRIA

CAMERA DI COMMERCIO MILANO

CONFCOMMERCIO
IMPRESE PER L'ITALIA

CONFCOMMERCIO
IMPRESE PER L'ITALIA
MILANO · LODI · MONZA E BRIANZA

ASSOLOMBARDA
Confindustria Milano Monza e Brianza

Cefriel
POLITECNICO DI MILANO

E015
digital ecosystem

www.e015.regione.lombardia.it

The E015 Digital Ecosystem is a digital environment and organizational model which favors the birth of new digital relationships amont different subjects, both public and private, who want to value their digital assets and enrich their end-user applications by using APIs

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Regione Lombardia

E015 in numbers
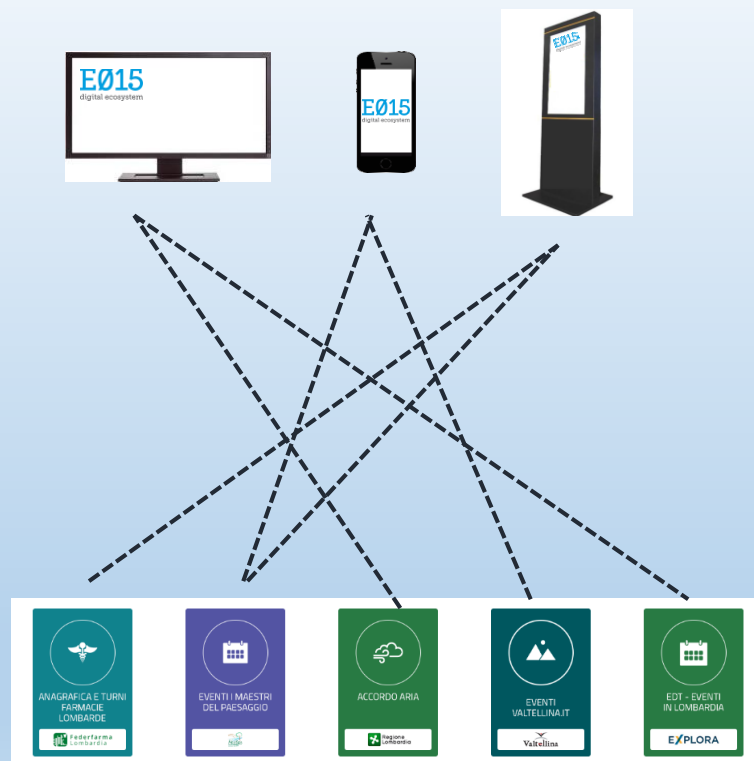
E015
Participants: **600+**

E015
Applications: **80+**

E015
Digital Relationships **400+**

E015
APIs **160+**

E015 in action
Some examples of applications

Public transport
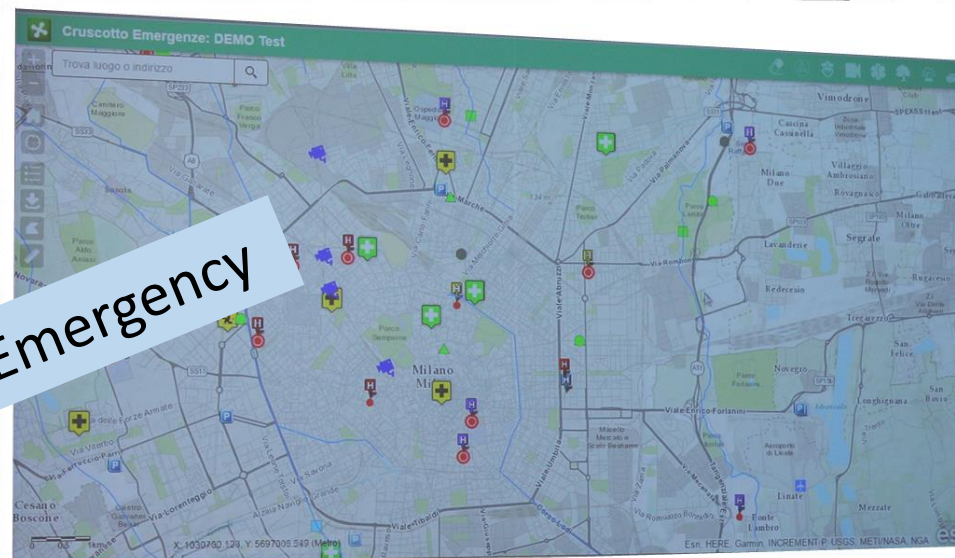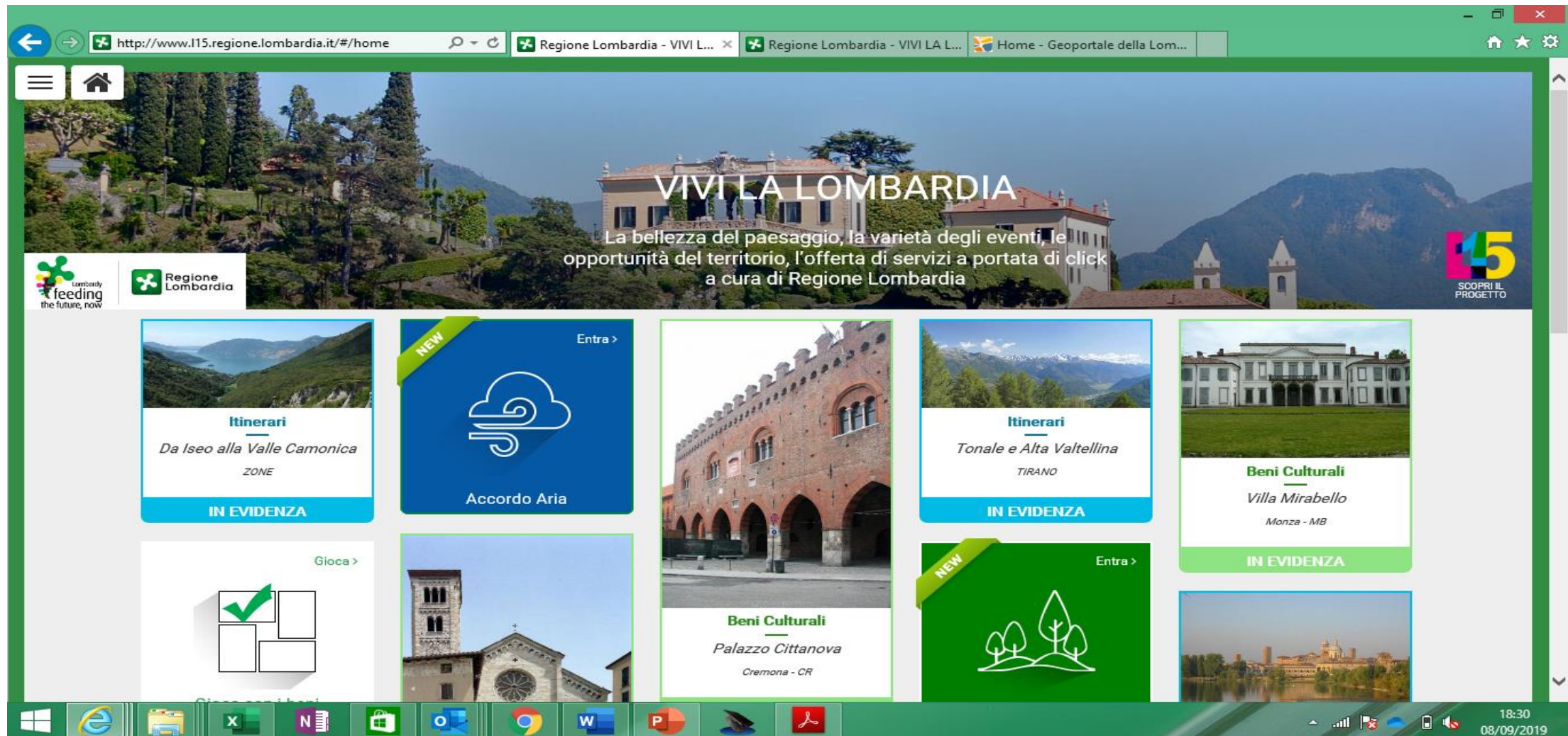
Commerce

Culture & Tourism

Safety & Emergency

18

L15 application «Vivi la Lombardia»
A way to demonstrate the E015 potential

Closed ecosystems

Closed digital ecosystems

- Thematic/Territorial communities
  - Healthcare
  - Civil Protection
  - Urban planning
  - Waste management
  - …

- Strong Digital relationships
- Personal & sensitive data (GDPR)
- High level of Compliance to specific laws or policies
- Mainly focused on data exchange rather than «app» creation

- More than 300 APIs for restricted or internal use

What's next?

What we are working on…

| API Communication	API Governance	API Management	API Monitoring
API Marketplace (business & technical views)	Steering and technical committee	API Manager & Gateway evolution	**API usage reporting**
API Storytelling	National interop model	Centralized team to support API publishing	**API social & economic impact**
	Standards and guidelines		
	Addressing new opportunities		

Giving faces to interfaces

Just a sample of API storytelling

Lombardy is waiting for you at the future
Winter Olympic Games 2026

#MilanCortina2026
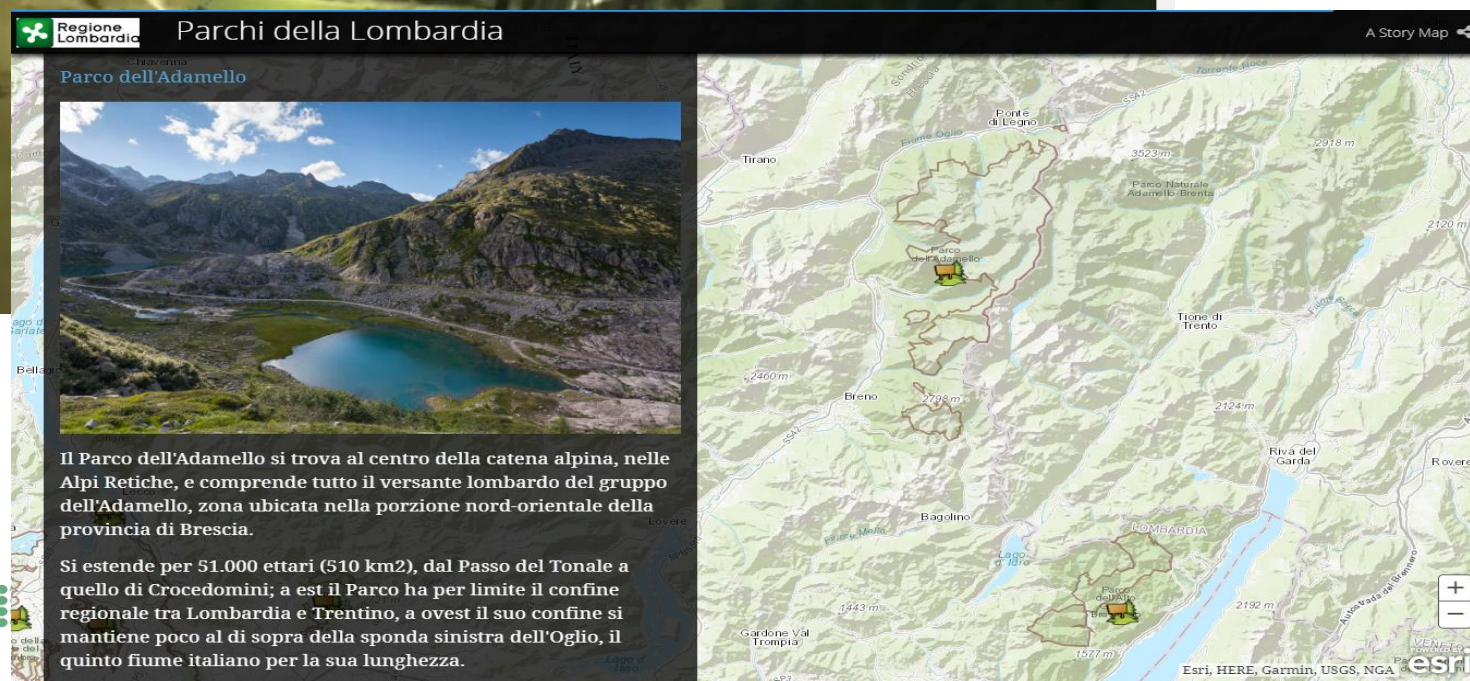
Thanks for your kind attention

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