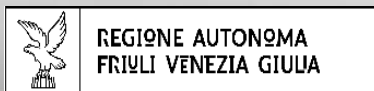
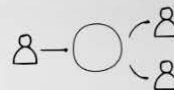
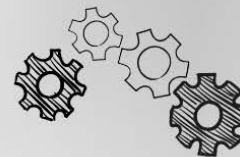


**OPEN INNOVATION SYSTEM
BASED ON RESEARCH AND INNOVATION
TO ENHANCE ECONOMIC GROWTH AND DEVELOPMENT**



MINISTERO DELL'ISTRUZIONE DELL'UNIVERSITÀ E DELLA RICERCA

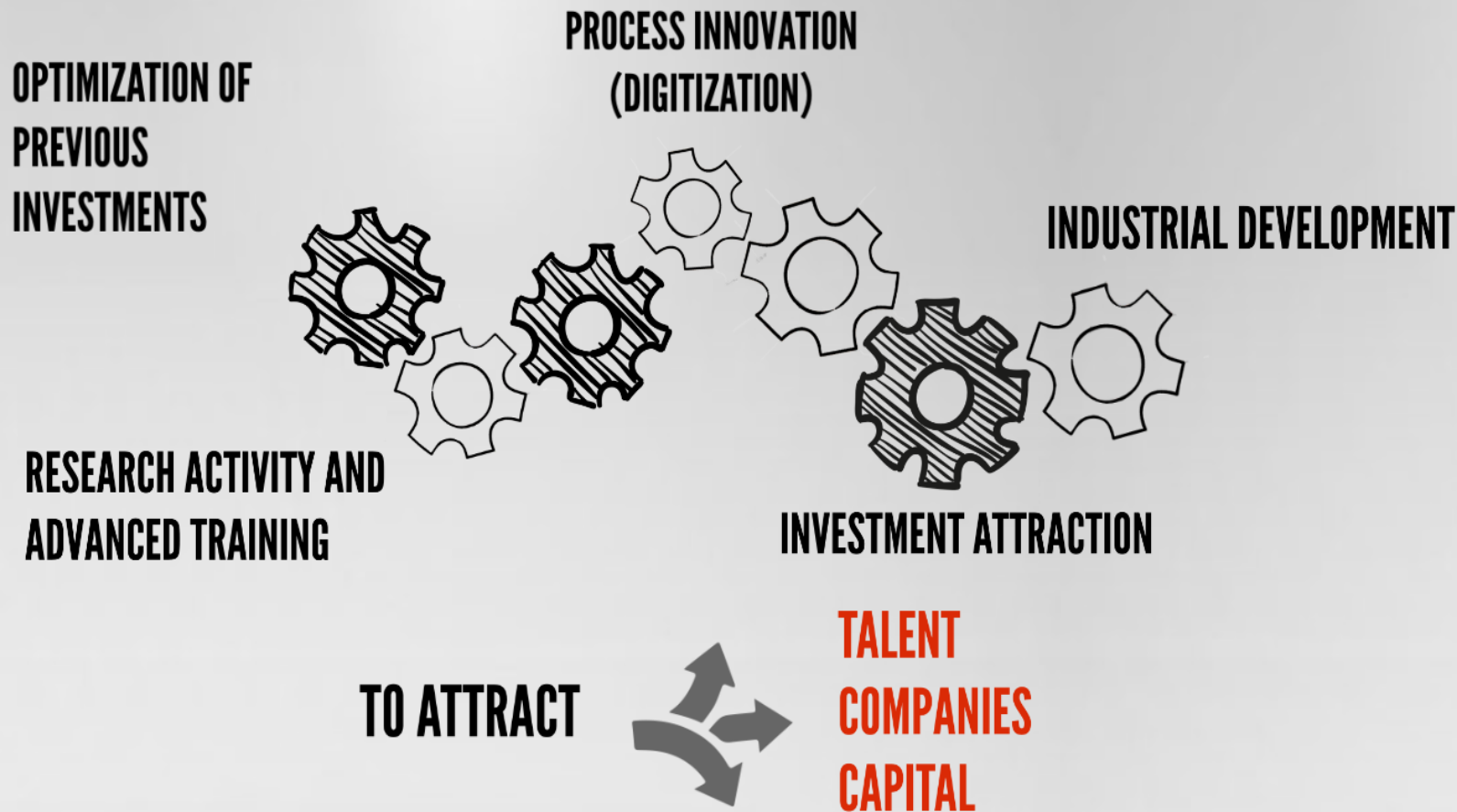


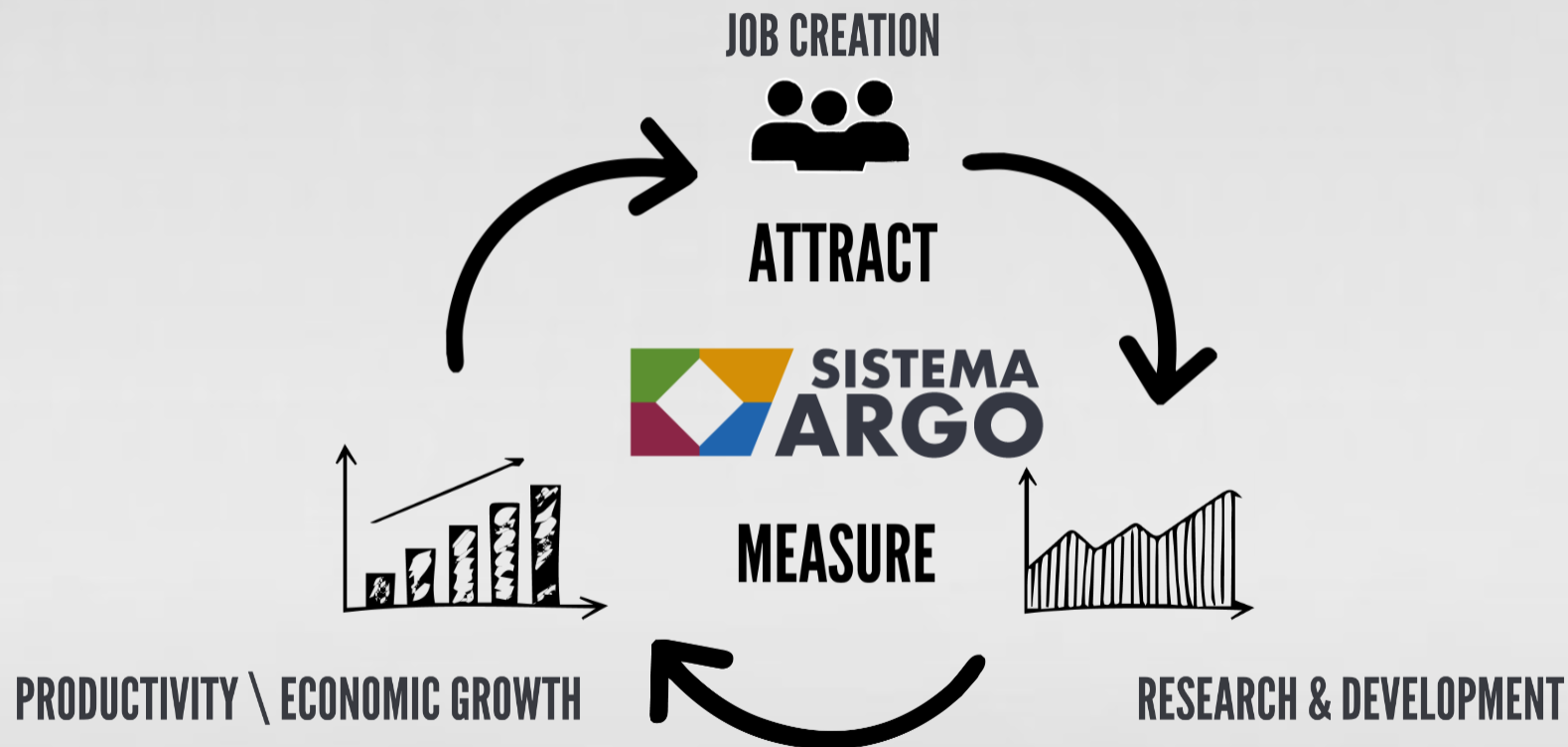
Ministero dello Sviluppo Economico

A system managed by



ARGO SYSTEM: WHY?





IMPACT

Jobs and investment generated



new staff
members



+69

under 30
research fellows

16

permanent
employees

23

people employed
thanks to
Java BioColloid

30

sustainable
circular
economy

engineering
IT
electronics

*specialisation
sectors*

generation
of businesses



€5,89 M

2018-2019
total investments

**INNOVATIVE
INDUSTRIAL
SETTLEMENTS**



4 PILLARS

**NEW BUSINESS
CREATION**



**PROCESS
INNOVATION**



**TECHNOLOGY
PLATFORMS &
OPEN LABS**



INNOVATIVE INDUSTRIAL SETTLEMENTS



PROCESS INNOVATION



4 PILLARS

NEW BUSINESS CREATION



SCIENTIFIC & TECHNOLOGICAL PLATFORMS



INNOVATIVE INDUSTRIAL SETTLEMENTS



4 PUBLIC PARTNERS

COSELAG



Autorità di Sistema Portuale
del Mare Adriatico Orientale
Porti di Trieste e Monfalcone



Comune di Trieste



- Municipality of Trieste
- Municipality of San Dorligo della Valle
- Municipality of Muggia

**PLANNING AND EXPERIMENTATION
OF A NEW INDUSTRIAL DEVELOPMENT MODEL
IN THE COSELAG AREA**

1 PRIVATE PARTNER



Samer & Co. shipping

FREEWAY TRIESTE
THE INDUSTRIAL INNOVATION HUB



**DEVELOPMENT AND STRENGTHENING OF FREEWAY
IN COOPERATION WITH SAMER GROUP**



INDUSTRIAL INNOVATION HARBOUR

Creating a haven for industrial innovation



Evolutionary
scenario
analysis

✓
done

Industrial
development
model

✓
done

Active
working
table

9

New
manufacturing
companies created

1

Industrial
settlements

1800 SQM
renovated warehouses

Investments

€ 3M

Jobs
created

30

Negotiations
for new
settlements

4

in progress

STUDY CENTRE | Understanding and anticipating technological trends

Studies
carried
out

3

Studies
ongoing

1

Pilot
projects

4

Proprietary data
platforms
developed

1

Data
platforms
available

3

Competence
Centre
"Innovation"

✓
active

Competence
Centre
"Life Sciences"

✓
active

Competence
Centre
"Sustainability"

✓
active



SCIENTIFIC & TECHNOLOGICAL PLATFORMS



1. GENOMICS & EPIGENOMICS PLATFORM



Center of a nation-wide hub&spoke genomics network

2. ADVANCED/HIGH TECH MATERIALS PLATFORM



3. STRUCTURAL BIOLOGY PLATFORM



Research/Industry
Open Lab
Collaborative System



Elettra Sincrotrone Trieste





PLATFORMS AND PARTNERS



OPEN
LAB
SYSTEM

1) ADVANCED/HIGH TECH MATERIALS PLATFORM



2) GENOMICS AND EPIGENOMICS PLATFORM



3) STRUCTURAL BIOLOGY PLATFORM





OPEN LAB



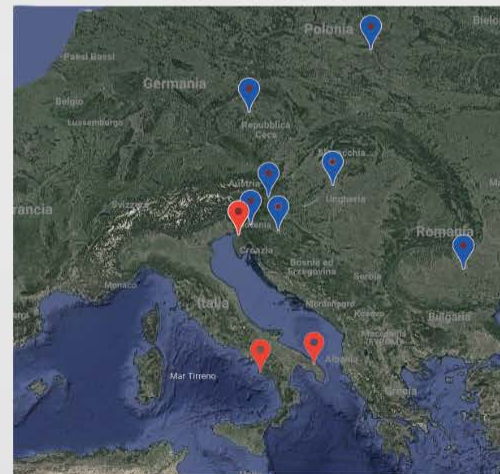
TECHNIQUES



- Cryogenic-temperature Electron Microscopy (CryoEM)
- Transmission Holographic Electron Microscopy (Holo-TEM)
- Mass Spectrometry Imaging (MSI)
- Next Generation Sequencing (NGS)

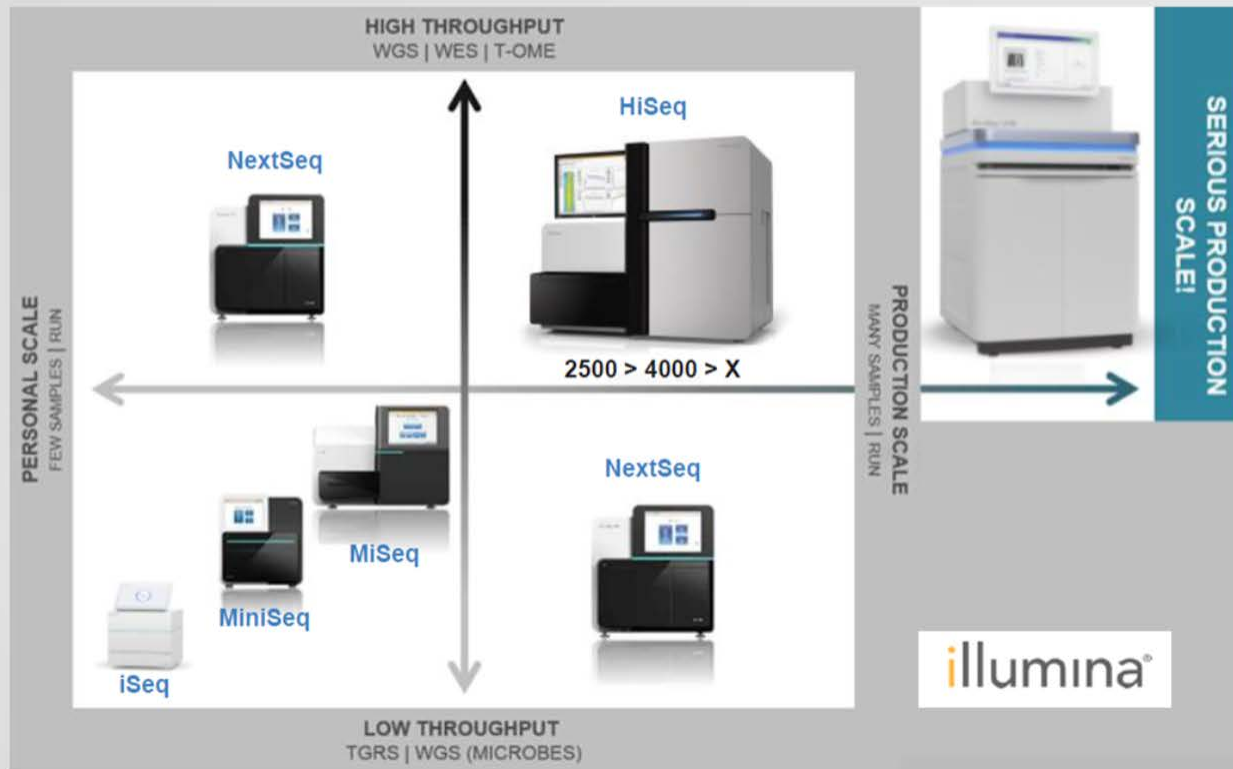


CERIC





GENOMICS AND EPIGENOMICS PLATFORM



- processes 48 genomes in 44 hours
- 6.000 GB
- more than 10 runs since March



TECHNOLOGICAL PLATFORMS

Promoting a cutting-edge national scientific network



Investments

€ 2,15 M

Last-generation sequencer

1

procured and functioning

Sequencing runs

32

Agreements on the use of platforms

8

Days of functioning

112

Days devoted to research activities

68

Allocation for research activities

55%

Machine usage

22%

Data output

28,4

Terabytes

Involved research projects

4

Research projects in the pipeline

10

Data Center

1

procured and undergoing testing

Total available memory

13

Terabytes

Storage capacity

2,4

Petabytes

In band network speed

100

Gigabyte/second

Core Nodes

472

overall



PROCESS INNOVATION - IP4FVG

OPEN AND INCLUSIVE REGIONAL PLATFORM TO
PROMOTE THE DIGITAL TRANSFORMATION OF SMEs
AND THE CONTINUOUS TRAINING OF ICT OPERATORS

4

NODES

2

PROGRAMMES

+700

COMPANIES INVOLVED -
TARGET 2021

+20

STRATEGIC ICT PROJECTS



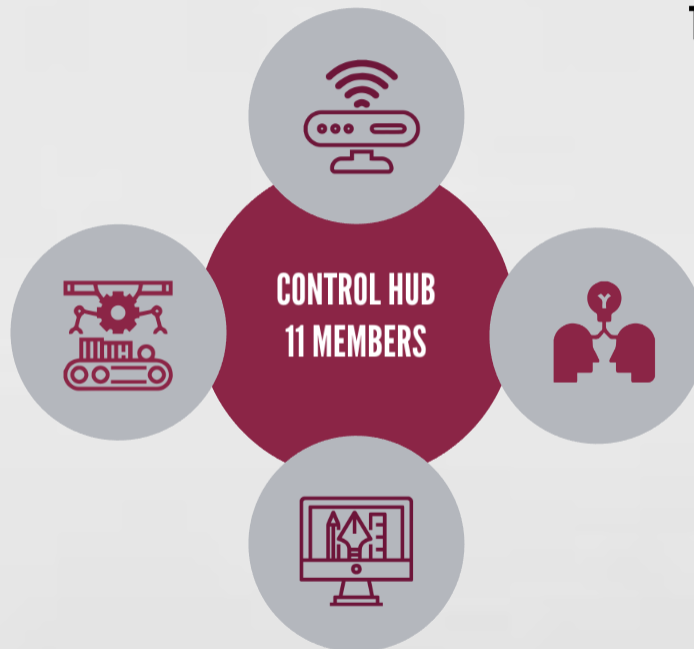


NODES

INTERNET OF THINGS
Amaro (UD)

**EACH NODE HAS 2 MAIN FUNCTIONS:
ACCESS POINT FOR LOCAL ENTERPRISES
THEMATIC SPECIALIZATION**

**ADVANCED
MANUFACTURING
SOLUTIONS**
Pordenone



**DATA ANALYTICS &
ARTIFICIAL INTELLIGENCE**
Udine

DATA OPTIMIZATION & SIMULATION
Trieste

WWW.IP4FVG.IT



25 PARTNERS



INTERNET OF THINGS
Amaro (UD)

2 FOR EACH NODE
FVG REGION
COMPETENCE CENTER SMACT
AREA SCIENCE PARK

DATA ANALYTICS &
ARTIFICIAL INTELLIGENCE
Udine

DATA OPTIMIZATION
& SIMULATION
Trieste

ADVANCED
MANUFACTURING
SOLUTIONS
Pordenone



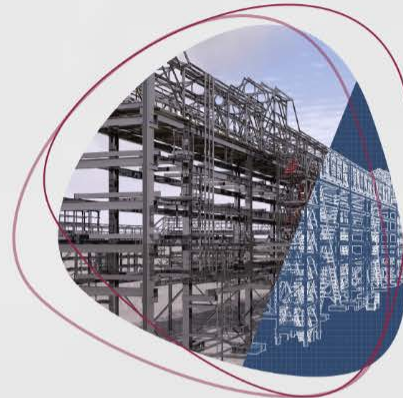
PROGRAMMES



"INDUSTRIA 4.0"

ALL INDUSTRIAL SECTORS

Specialized demonstrators in each node



"CANTIERE 4.0"

BUILDING SECTOR

Roadshow demonstrator at local authorities





IP4FVG

Boosting digital transformation



Investments

€ 1,35 M

Mapping regional ICT market



ongoing

Digital Readiness Assessment

89

companies involved

Living Lab on enabling technologies

4

acquisition in progress

Collaborative robots

1

procured and functioning

Cantiere 4.0 Building Constructions

2

demo corners

BIM interactive Catalogue



ongoing

BIM training for the public sector

4

events

BIM training for the public sector

350

participants

BIM Coordinator Specialist courses

1

under development

Awareness events for companies

10

Training courses for enterprises

7

Awareness and training for enterprises

450

participants

High school training days

20

School- Work Alternation Catalogue

10

patterns offered in the regional catalogue

Training for researchers and PhD students

2

International Summer Schools focusing on AI (2018-2019)



4

PARTNERS-REGIONAL CERTIFIED
INCUBATORS

8M€

INVESTMENTS
COLLECTED

16M€

AGGREGATE
TURNOVER

+108

NEW BUSINESSES
CREATED

+650

NEW JOBS



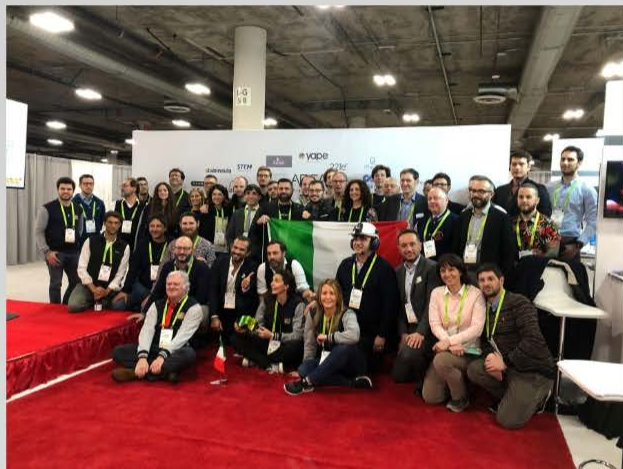
NEW BUSINESS CREATION

STARTUP GENERATION SYSTEM
PRE-INCUBATION AND ACCELERATION SERVICES AND
PRE-SEED AND SEED CAPITAL PROGRAMMES IN SPECIFIC
INDUSTRIAL/TECHNOLOGICAL SECTORS





LAS VEGAS 2020



49
startups in the
delegation

300
investors and partners
involved

1
startup awarded with
Innovation Awards Ces
2020

HIGH IMPACT NET

Generating and strengthening startups



CES | Consumer Electronics Show, Las Vegas

Italian Delegation
to 2019 CES in
Las Vegas



done

Startups
presented

49

scale-up programmes

Startups
evaluated for
2020 CES

89

Startups selected
and trained for
2020 CES

50

OTHER ACTIVITIES

National/
international events
with investors

4

organised

Managerial training
programmes for
entrepreneurs

2

organised

Call to support
the creation and
development of
enterprises

1

published

Coaching
activities

9

development groups
followed

CULTURAL AND CREATIVE SECTOR

Supported
entrepreneurs and
aspiring startupper

227

Supported
cultural creative
startups

31

Cultural
creative
Startups

27

new projects to be
launched

Managed
resources

€ 902.003

Territorial
events

6

organised

Sectoral
studies

1

ongoing

Coordinating
FVG incubator
network



done

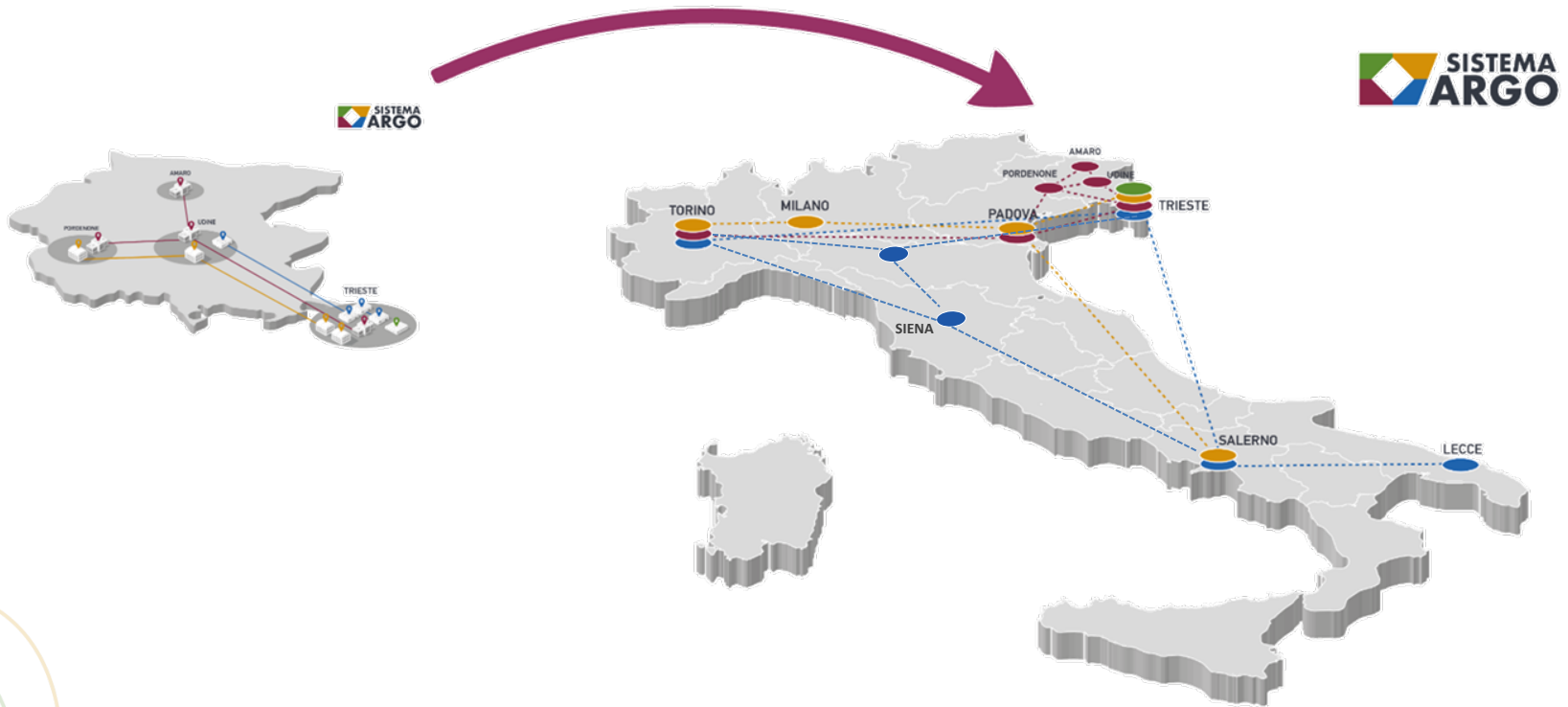
Regional
sectoral
cluster

1

to be launched



NATIONAL EXTENSION



FUTURE INTERNATIONAL PARTNERSHIPS