

EIT DIGITAL DRIVING EUROPE'S DIGITAL TRANSFORMATION

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EIT Digital

Driving Europe's Digital Transformation

Mission

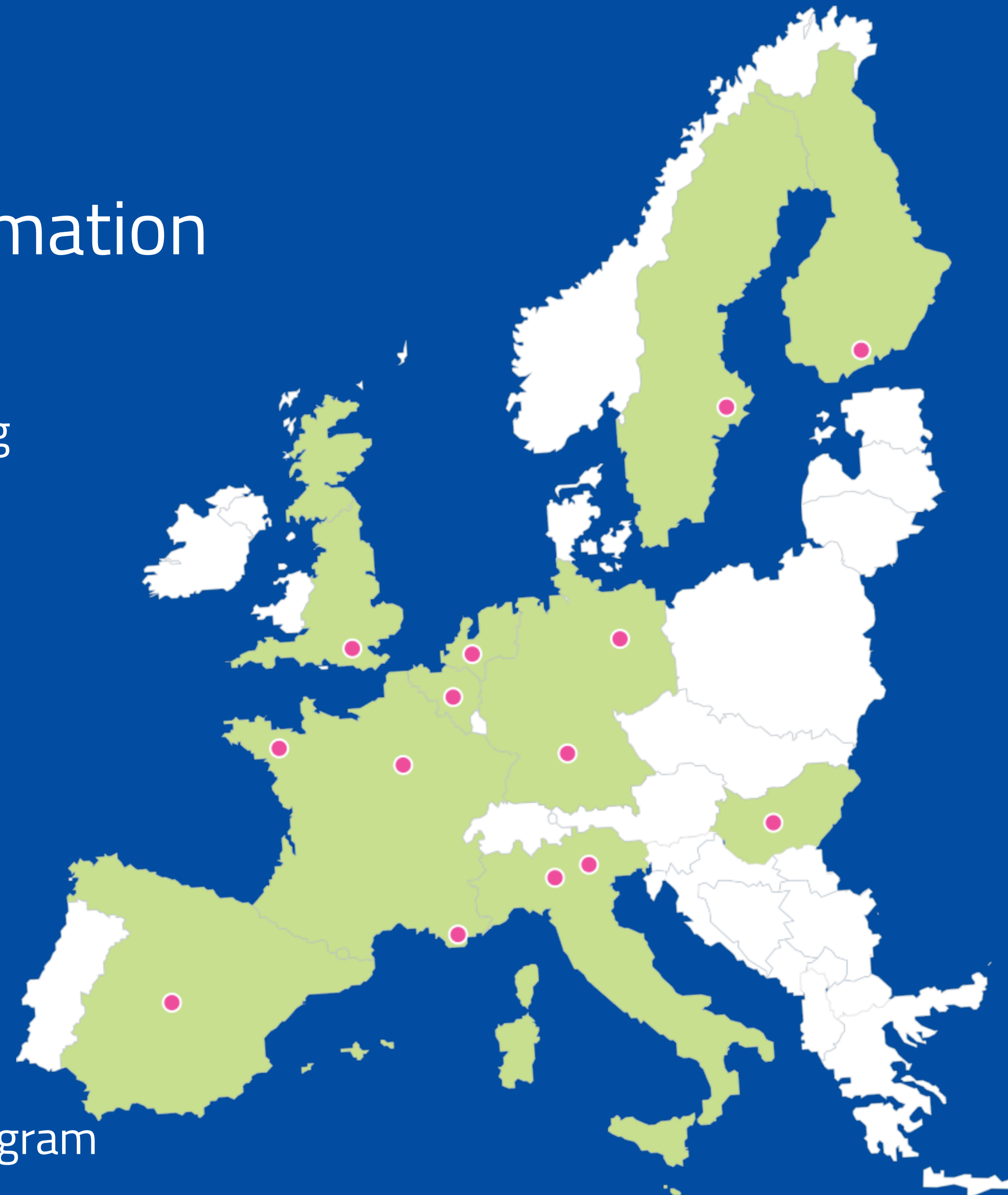
Support digital transformation in Europe by developing entrepreneurial talent and technological innovations

5 Innovation Action Lines

- Digital Wellbeing
- Digital Industry
- Digital City
- Digital Infrastructure
- Digital finance

Pan-European Ecosystem

- 184 partners
- 9 nodes + silicon Valley Hub
- 14 European Locations
- Serving the whole of Europe through the ARISE program



Digital

EIT Digital

Driving Europe's Digital Transformation

Innovation & Entrepreneurship

Innovation Action Lines

- Incubation, market uptake and growth of European research results
- 5 innovation Action Line
- 50+ Innovation Activities per year
- 80 new products and services commercially launched every year
- 10+ startups created per year

Entrepreneurial Education

EIT Digital Academy

- 3 schools delivering technical digital skills and entrepreneurial education at all stages of career
- Master School: two-year Masters program with 8 technical Majors and Minor in Innovation & Entrepreneurship
- Industrial Doctoral School: PhD program co-funded by Industry Partners
- Professional School: blended learning to keep European professionals at the forefront in today's fast-paced digital

EIT Digital Driving Europe's Digital Transformation



Partners

Partnership with over 130 top European corporations, SMEs, start-ups, universities and research institutes.



EIT Digital Driving Europe's Digital Transformation



EIT DIGITAL FRENCH ECOSYSTEM : 31 FRENCH PARTNERS (36 EOY)

21 large corporations, SMEs, startups



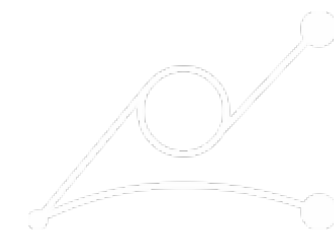
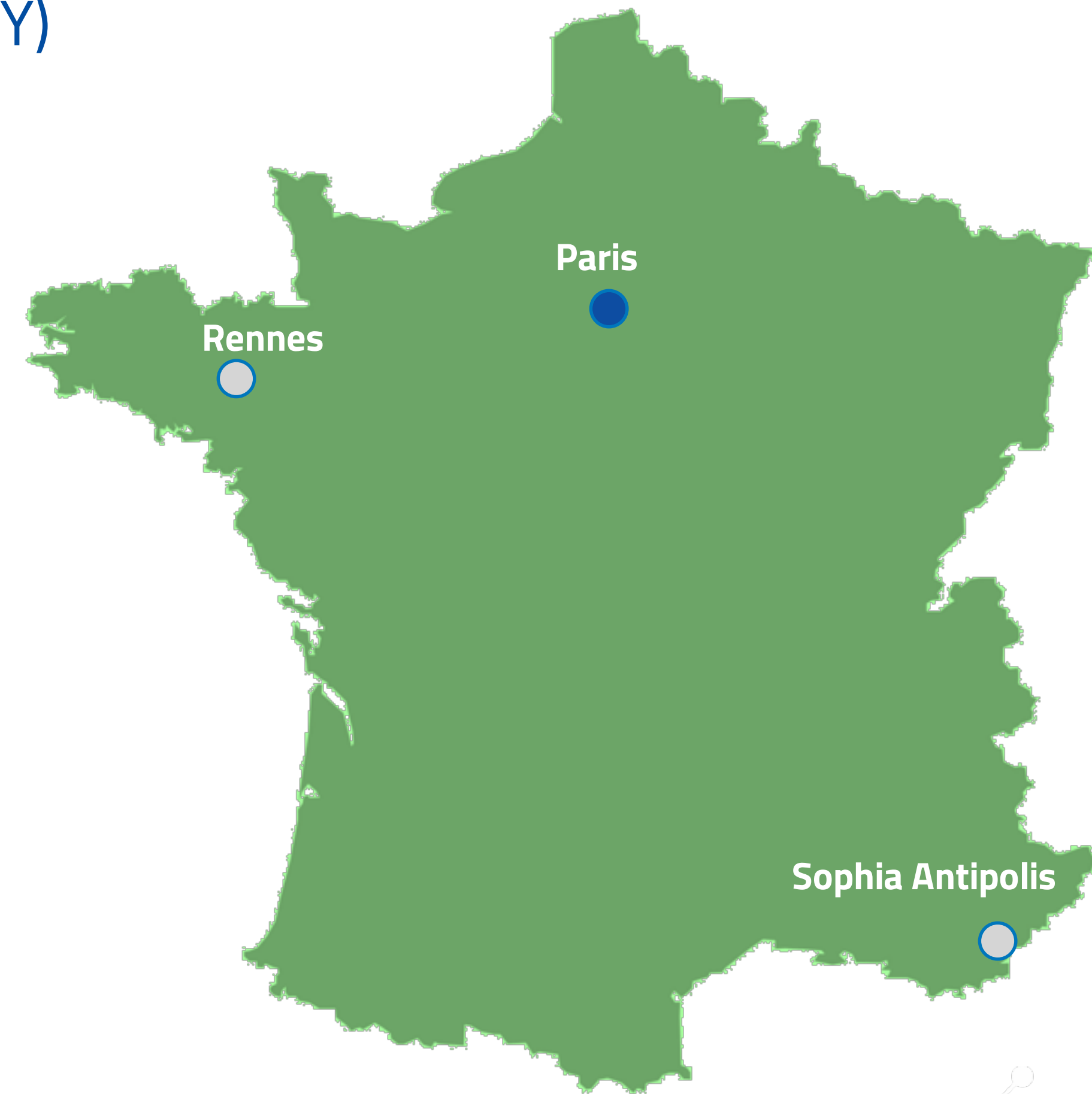
4 clusters



4 research institutes



7 universities



CO-LOCATION
CENTER

EIT DIGITAL
IN RENNES



Digital

RENNES CLC

SUPPORTED BY A STRONG ECOSYSTEM



Hosted by IRISA

- One of the biggest lab in computer sciences in France
- +250 PHD Students
- 5 priority technological fields: Agro/agri, Health, Cyber security, Cloud and Digital Cities

In the Middle of ICT Cluster

6	CENTERS OF EXCELLENCE
+350	COMPANIES & START-UPS
5200	IT STUDENTS
19	RESEARCH INSTITUTES
745	IT GRADUATES PER YEAR 10% FRANCE

A Hot Spot for I&E Education

	+400 Hours of I&E courses
	Pedagogical Innovation
	Content Development

A unified CLC right in to the scientific campus in a new building



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A COMPLETE OFFER TO FOSTER INNOVATION

TOTAL | 77 PEOPLE

EDUCATION

Master School

Cyber Security
Cloud Computing and Services
Summer School

CLC

Alvaro Pina Stranger / CLC Manager
Caroline Tanguy / Event Assistant
Martine Lemercier Assistant



STAFF
12

RESEARCH

Doctoral School

Raising awareness (RA)
Business modeling and
development (BMD)
Opportunity recognition (OR)

Education

Pierre Alain Fouque / CCS Program Coordinator
Mohamet Sabat / CCS Program Coordinator
Guillaume Pierre / CCS Program Coordinator
Shadi Brahim / CCS Program Coordinator
Ana Maria Falconi / Education Development
Valentin Gérard / Education Development
Yvonnick David / DS Lead
Frederic Renouard / Overall I&E Coordinator



INNOVATION
ACTIVITES
9

Innovation programs

Innovation activities
In link with local pre-incubators

Research

My Car Lot / Innovation Activity
– Leader, Maxime Bricet, + 5
DriveTrust / Innovation Activity
–Leader, Roman Prytkov, +1



PHD
14
2018
5 graduates

BUSINESS

Accelerator

BDA

Business

François Morin / BDA



MASTER
SCHOOL
42
29 | CCS
13 | CSE

Events

CLC Meet up
Coffee Tic
Joint events

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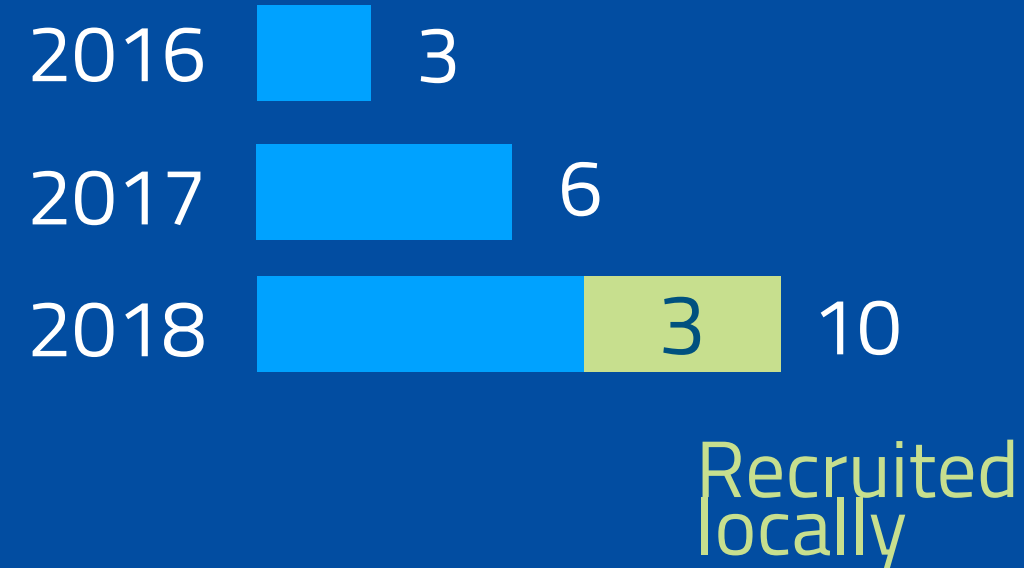


HIGHLIGHTS 2018

MASTERS PROGRAMS



Master in Cloud Computing & Services



Master in Cyber Security



2018 SUMMER SCHOOL DIGITAL CITIES



Students



Contributors



INNOVATION ACTIVITIES

2018 CEDUS

FIWARE-based software, called City Enabler for crawling and collecting valuable data at urban scale, supporting decision making processes, and allowing fast delivery of new digital urban services.

2019 UAV-RETINA

Flexible autonomous UAV (Unmanned Aerial Vehicle) platform for search and rescue operations for strategic niche markets: Improvised Explosive Devices (IED) detection, avalanche rescue and firemen operation support.

2019 MYCARLOT

MYCARLOT

Help plan parking strategies for local governments and better parking services for citizens, leveraging upon connected sensors, cloud infrastructure and artificial predictive algorithms.

DRIVE TRUST

Develop a car data collection and analytics solution which can be used in all cars. The data collection device looks like a USB car charger and is equipped with sensors, connectivity and a speaker.

AR4CUP

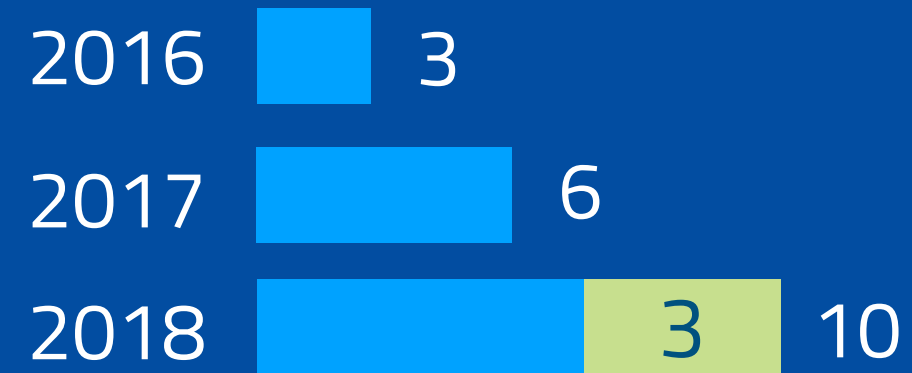
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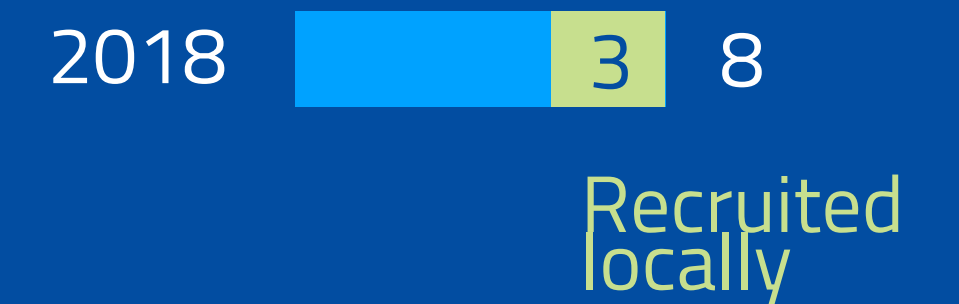
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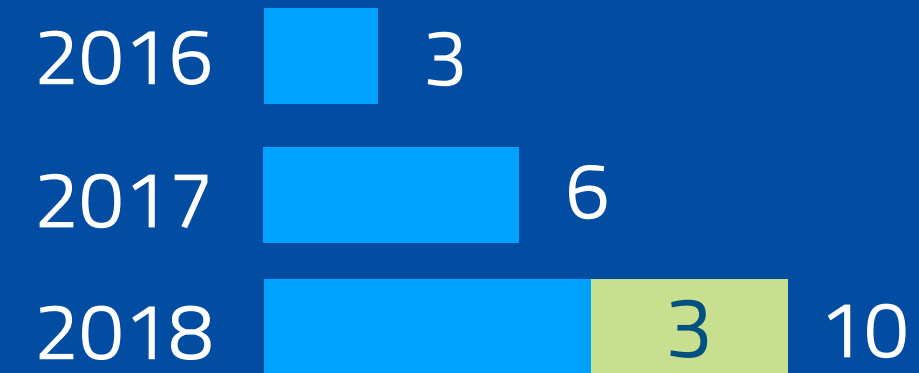
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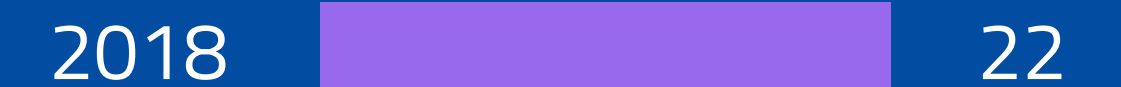
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EIT DIGITAL RENNES : OUR SPIRIT

THE WHOLE IS MORE THAN THE SUM OF THE ELEMENTS

Missions



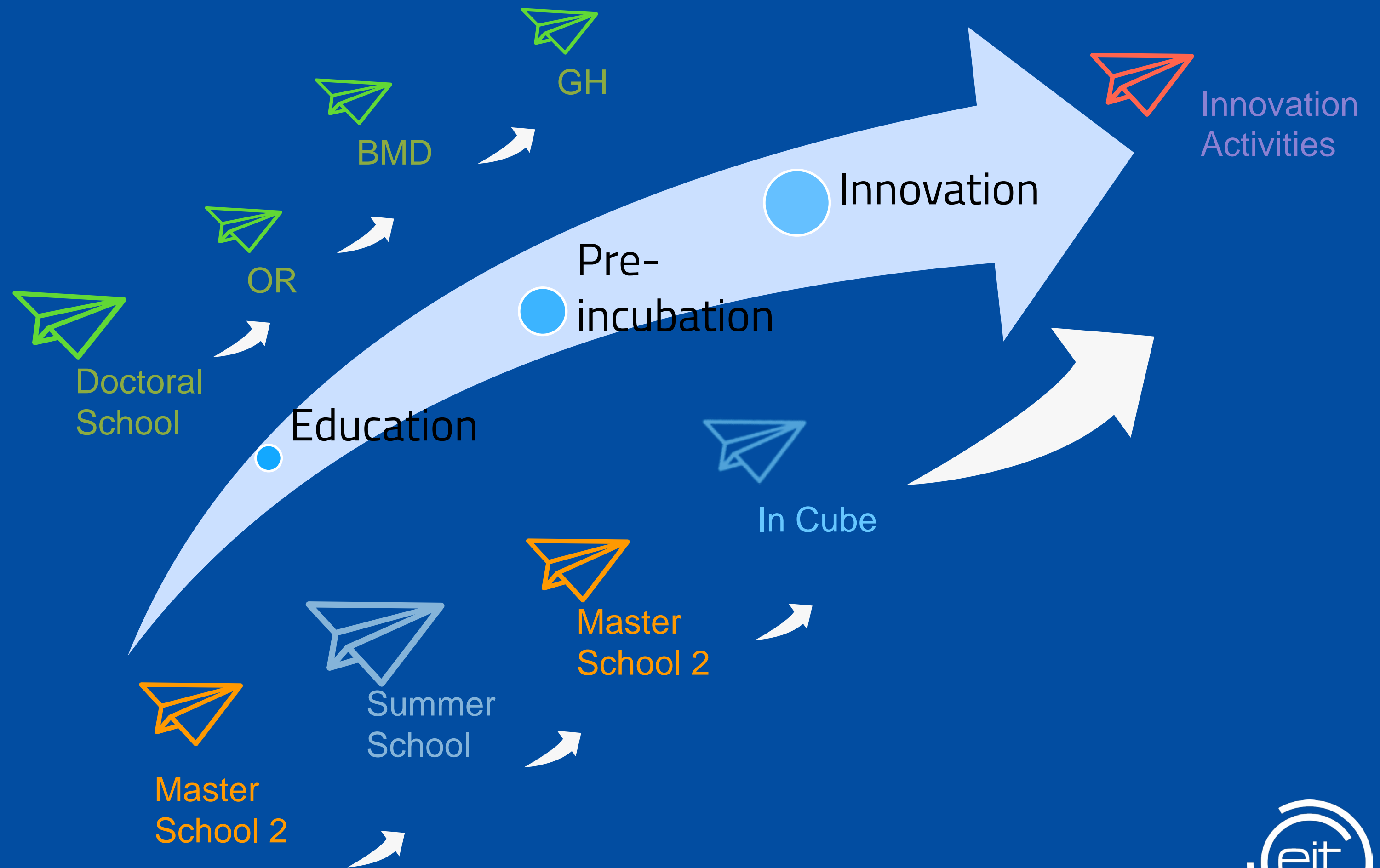
CREATE OPPORTUNITIES



IDENTIFY TALENTS



DEVELOP & MAINTAIN A COLLABORATIVE SPACE



INDUSTRIAL DOCTORAL SCHOOL



Industry value proposition

Talent harvesting

- Co-selection of top talent doctoral student
- Full view of all doctoral students

Pursuing industry research - innovation goals

- Co-development of the research landscape

Knowledge transfer

- Steering the creation of “usable” knowledge
- Co-investment in generating a startup
- Linking to broad research ecosystem
- Continuous education for companies employees

Access to co-funding

- Leverage EIT Digital access to funding

Program duration

- 3 to 4 years depending on the location chosen

Cost

- Anticipated cost per PhD student is approx 50K€ per year (EIT Digital will contribute max 50% per year. Industry cost to cover the rest)

Execution

- PhD works at CLC/Satellite
- Temporary short stays at industry premises as needed
- Temporary short stays at university as needed (e.g. for courses)



Digital

Student value proposition

Be a change driver for industry

- Research on advanced topics of industry relevance
- Connect and influence a broad ecosystem to turn your ideas into impactful actions

Bootstrap your business future

- Look for technology transfer
- Create your own start up

Be part of a thriving community

- Connected to industry environment
- Connected to academia research environment
- Connected to EIT Digital Innovation Activities
- Work as a team player in the EIT Digital Doctoral School at CLCs

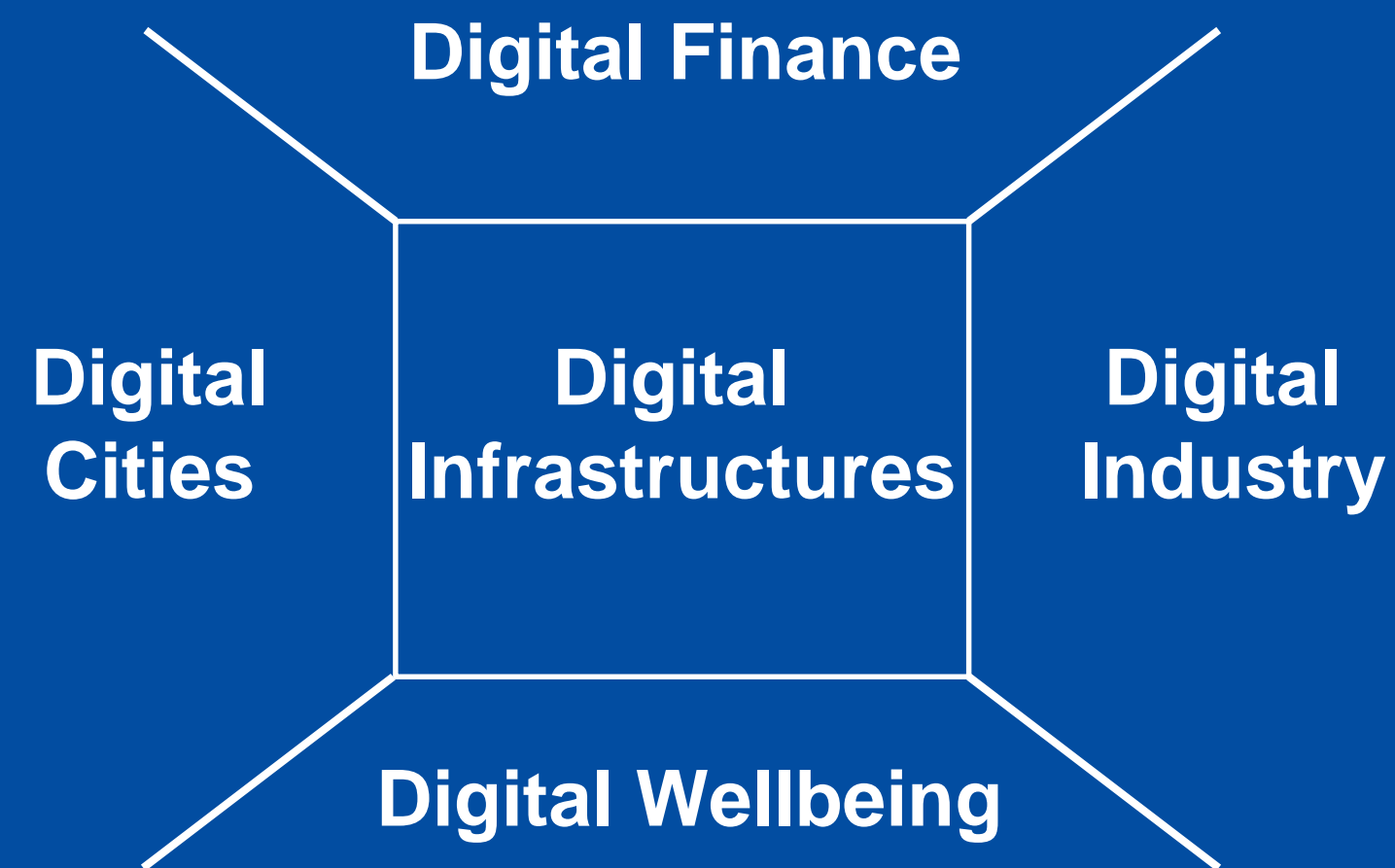


IDSL Program

- Industry driven, focussing on innovation fostering Digital Transformation
- European roots open to the world, experienced as context, engaged in an industrial/biz environment through an Industrial tutor
- Continuous tutoring from University and Industry in the 3/4 years doctorate, working at several innovation hubs, in academia, industry, marketplace
- Make ideas concrete incubating them in an industry environment, opportunity to “make it happen” through tech transfer, start up creation
- Connection to EIT Digital Innovation Activities is a boost
 - injection of forward looking ideas
 - feedback from the marketplace
 - Strong Match with the EIT Digital Strategic Innovation Agenda



IDSL Themes Map



Digital Finance, focus on :

- FUTURE OF RETAIL BANKING
 - Improving customer relationships
 - Cashless Society
 - Micropayments
- MODERNISE CORPORATE BANKING AND INSURANCE TECH
 - P2P risk distribution
 - Digitalisation of equity capital markets
 - Cybersecurity, blockchain
- DIGITALISE WEALTH ASSESS MANAGEMENT
 - AI and ML for investment decisions

Digital Wellbeing, focus on :

- BEHAVIORAL CHANGES
 - Increase personal awareness through sensors, wearables, data analyses
 - Assessing economic impact of healthier life style
- SUPPORT TO CHRONIC AILMENTS
 - Early depression signs detection
 - Support to cancer treatment, improving quality of life
 - Address autisms syndrome from early detection to early stage therapy to supportive therapy through lifetime



Digital

IDSL Themes

Digital Cities, focus on :

- ENABLERS

- City modelling and virtualization for simulation and service creation
- Data Infrastructure
- Autonomous Systems Interplay
- Improving citizens awareness

- VERTICALS

- Autonomous vehicles
- Use of mobility beyond people transport. Mobility as a service
- Integrating IoT and Transportation

Digital Infrastructures, focus on :

- LAYER 1-4

- Exploitation of abundant capacity through wireless drops
- Softwarization of resources (SDN/NFV)
- Transformation of the Edge with IoT

- LAYER 5-7

- Distributed real time processing and mgt, islands of Clouds in line with European reqs on Security, Privacy, Accountability
- Segmentation of Clouds into virtual spaces to support vertical application domains
- Pursuance of a European recognised identity applying to any entity, providing a standard for development of services in distributed loosely coupled environments

Digital Industry, focus on :

- PRODUCTION SIDE

- Data Driven Solutions
- Factory floor solutions with focus on predictive maintenance
- Circular economy and waste management

- RETAIL SIDE

- Customer insight understanding
- Product customisation at the retail point
- Product service customisation through the end usage
- On-line shopping and automatic offer portfolio



Digital

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- Doctoral School website: <https://www.eitdigital.eu/eit-digital-academy/doctoral-school/>
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