



Graduate School & research

DS4H : Digital Systems for Humans

Masters
PhDs
Research
Innovation



Johan Montagnat
Director



UCA successes with PIA

- UCA is one of the 10 IDEX labelled Universities
 - Final evaluation in 2020
- One of the 4 sites hosting an AI insitute (3AI)



DIGITAL SYSTEMS
FOR HUMANS
GRADUATE SCHOOL & RESEARCH



UCA J.E.D.I.
UNIVERSITÉ CÔTE D'AZUR



LABEX



UCN
User Centric Network
@ SOPHIA



[2019]
3IA Côte d'Azur

[2018]
EUR DS4H

[2016]
IDEX UCA^{JEDI}

[2012]
LABEX



Digital Systems for Humans (DS4H)

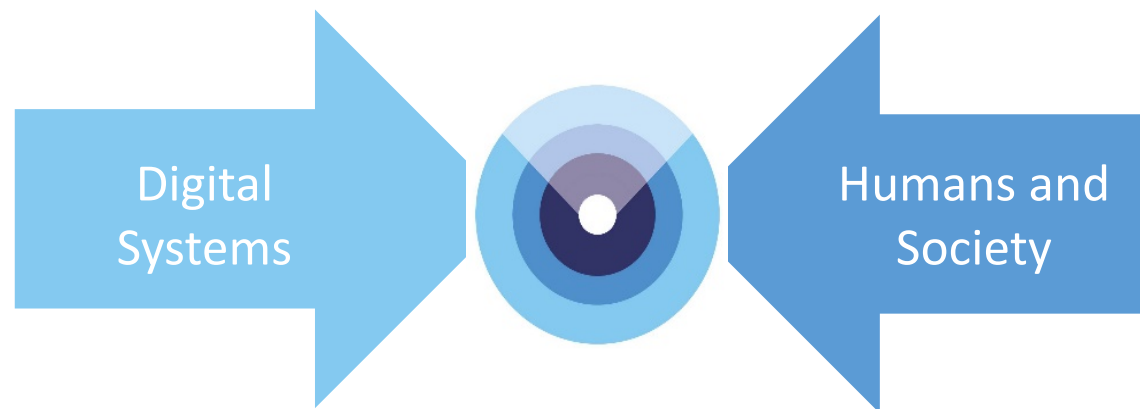
Graduate School & Research

Facing the challenges of the Digital World

- **Science & Technology**
electronics, networks, distributed systems, machine learning, Big Data...
- **Society**
usages, law, confidentiality, acceptability, ethics, security, trust...

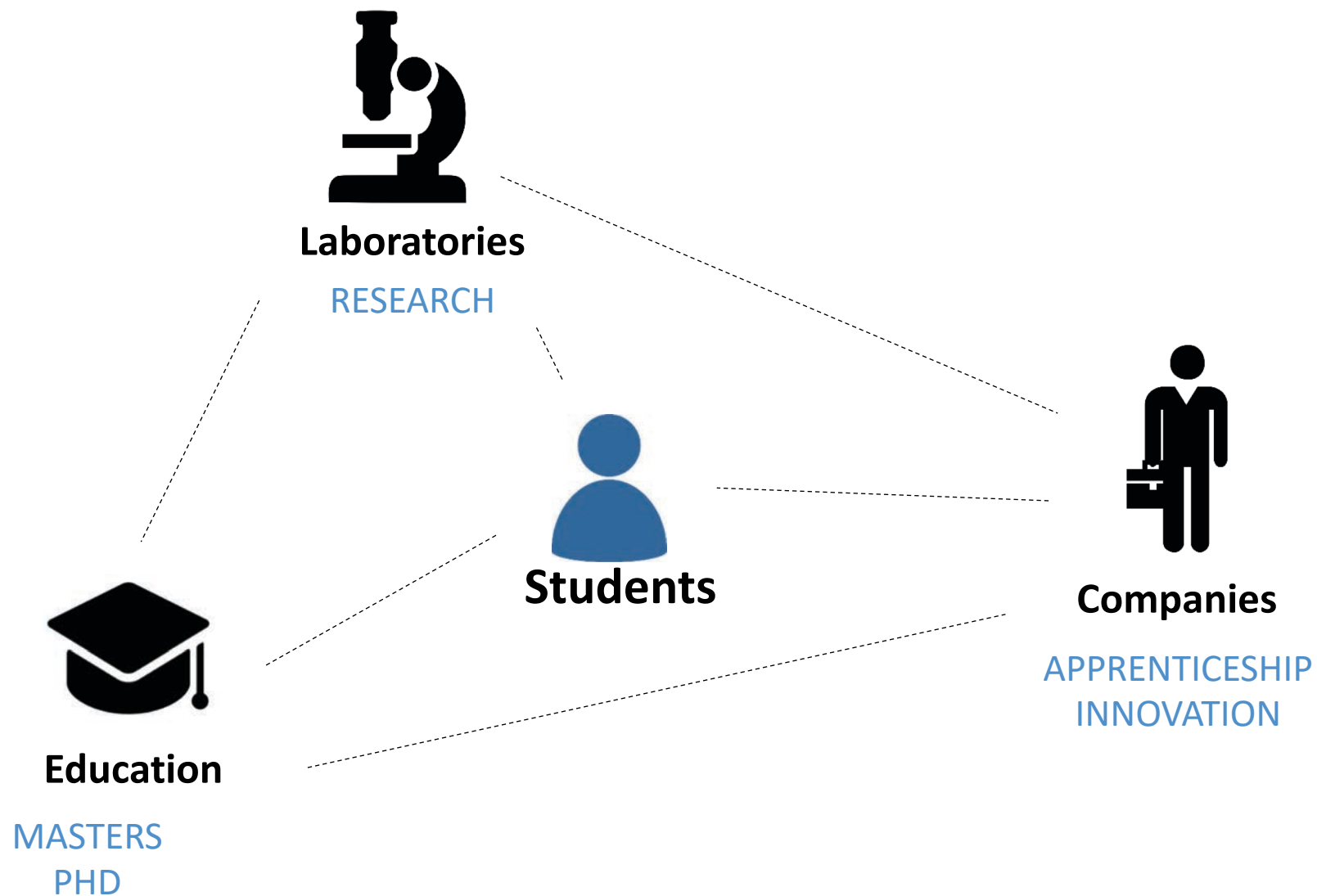
Digitals everywhere

- Digital life, digital jobs
- Globalization
- Climate change challenge





Graduate School & Research



Education driven by research



Keeping close to latest scientific discoveries



Research

UNIVERSITÉ
CÔTE D'AZUR



Laboratories



INPHYNI



LJAD

Education departments



Faculté des Sciences

Economics

Law

Management



Doctoral schools

ED STIC

Information and
Communication
Sciences and
Technologies

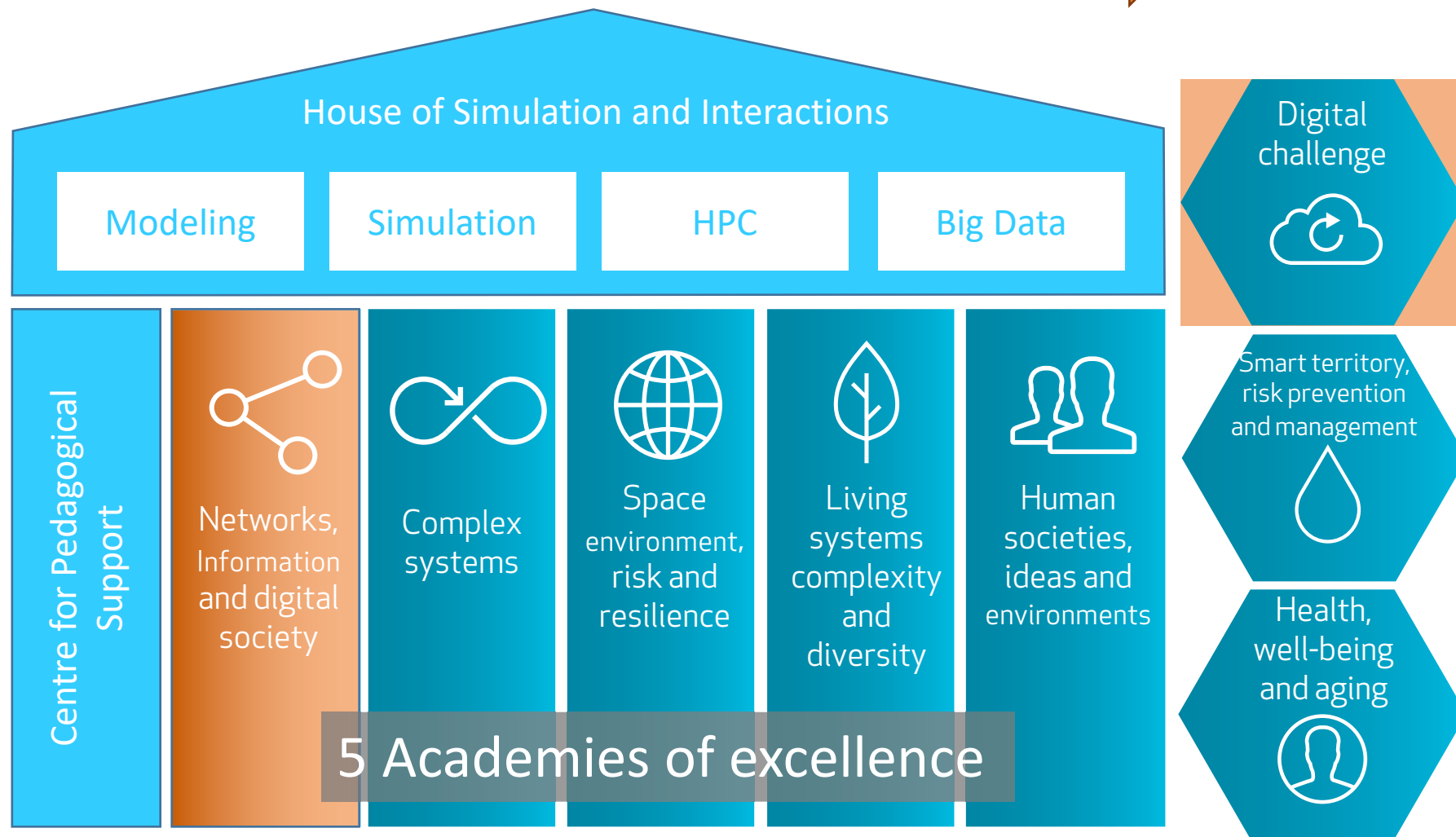
ED DESPEG

Economics, Law,
Management



Insertion in IDEX UCA^{JEDI}

Research  Innovation





Research program



1. Developing the convergence of Models, Data and Computation

Including advances in Computer Science, Applied Mathematics, Big Data, Software Engineering, HPC, Machine Learning, Physics of information

2. Harnessing the complexity of connected digital systems

Virtualized networks, Connected devices, Distributed infrastructures and algorithms, Autonomous systems, Linked data and network sciences

3. Anticipating the economical and legal challenges of digital systems

Digital Economy, Digital Law, Digital Humanities, Smart cities

4. Developing key digital applications

eHealth, autonomous vehicles, connected devices...

Tightly connected to Industry

Bitcoin

BTC

Ethereum

ETH

Ripple

XRP

Litecoin

LTC

Iota

MIOTA



Sophia Antipolis: largest Europe Science Park



2200+ companies

4000 academic researchers

5500 students



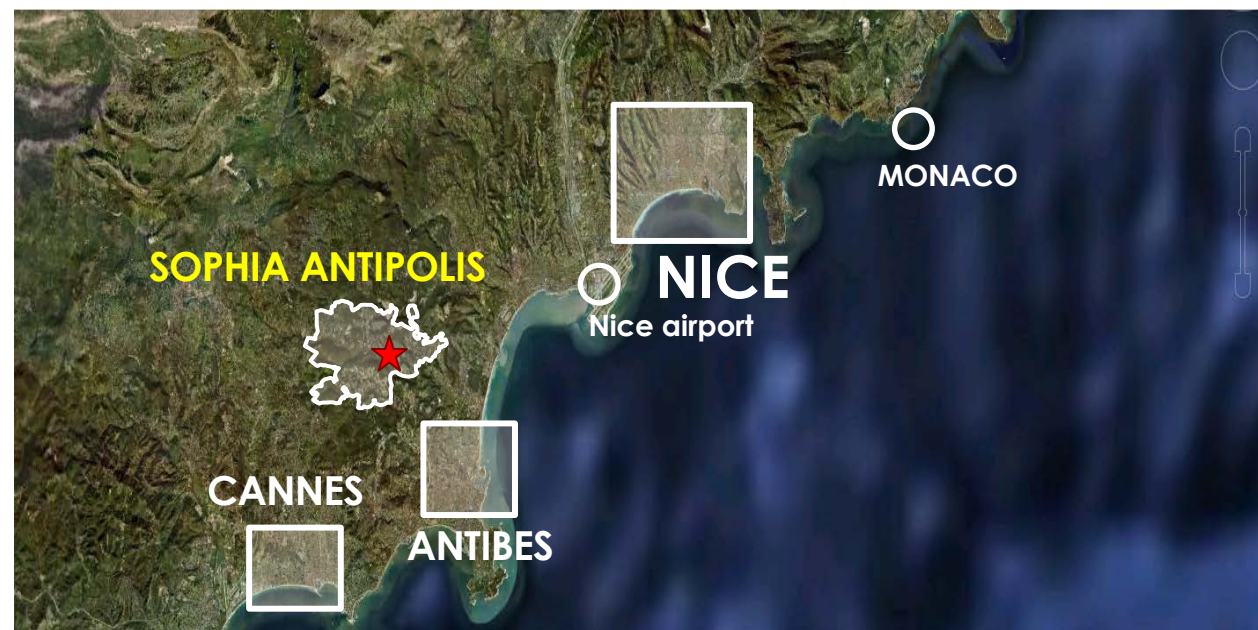
Network and information technologies

Artificial Intelligence

Health, Chemistry, Biotechs

Smart territories, autonomous vehicles

...



Individualized curricula





Pedagogy guidelines

New skills development

High degree of specialization

Multidisciplinary opening

Soft skills : co-working, agility, autonomy,
interdisciplinarity, communication...

Early professional integration

In laboratory : Master to PhD continuity

In company

Innovation projects

Autonomy and Self-initiative

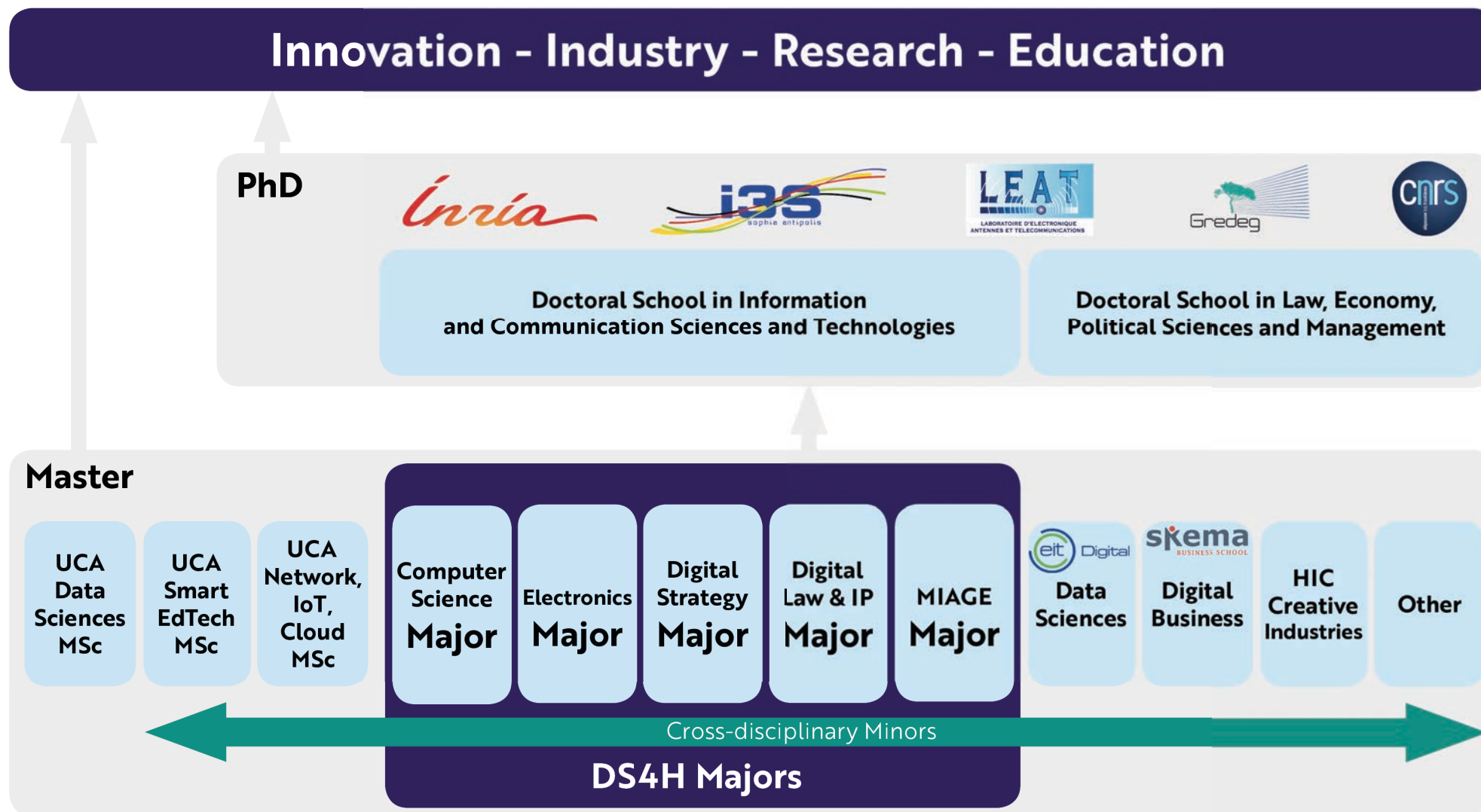
Individualized curricula

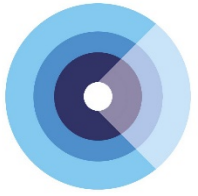
Training actor



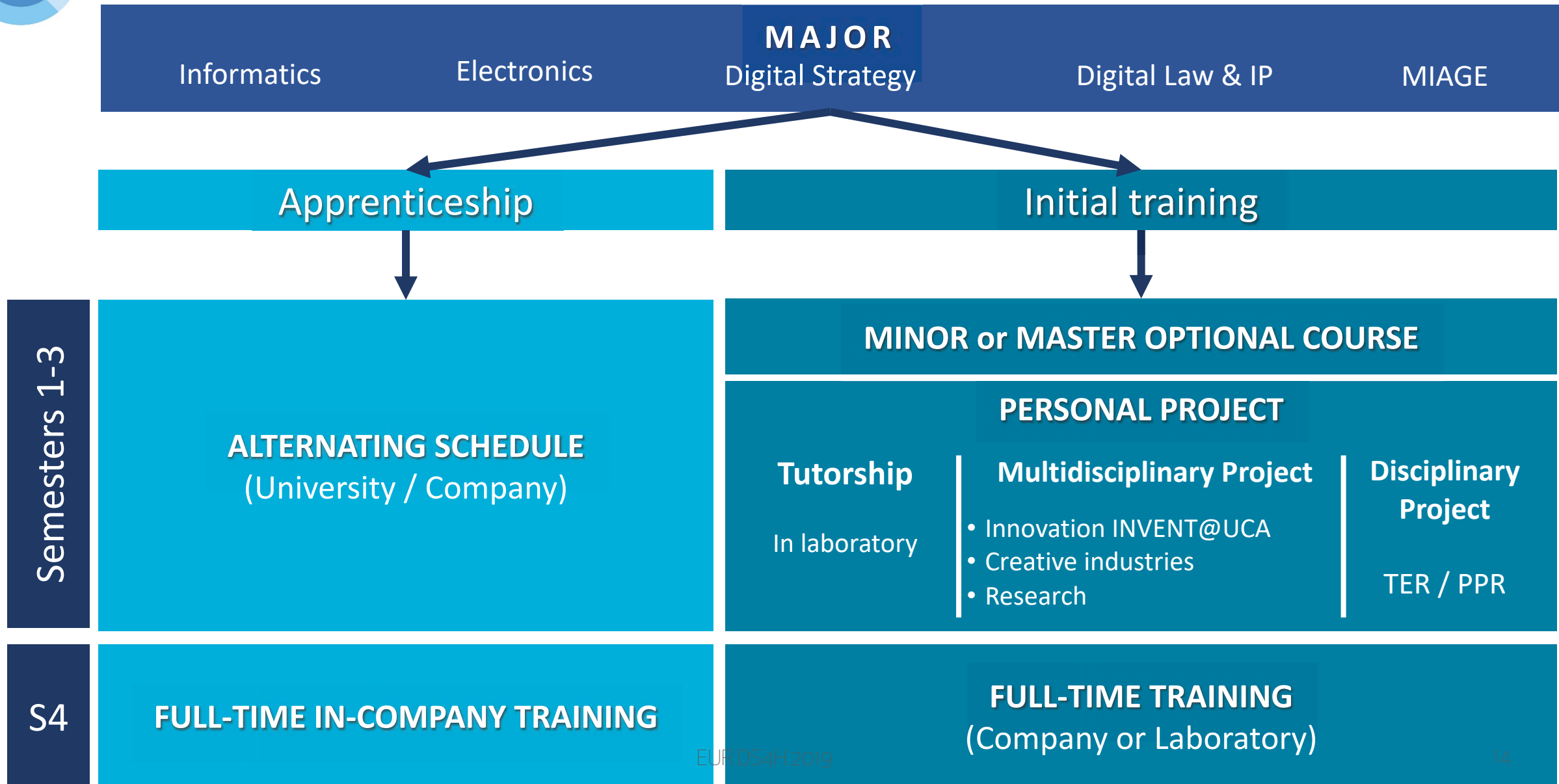


Education: across disciplinary silos





2-year Master





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@EUR_DS4H



DS4Hnews



DS4H