WHY eurecat

Centre Tecnològic de Catalunya

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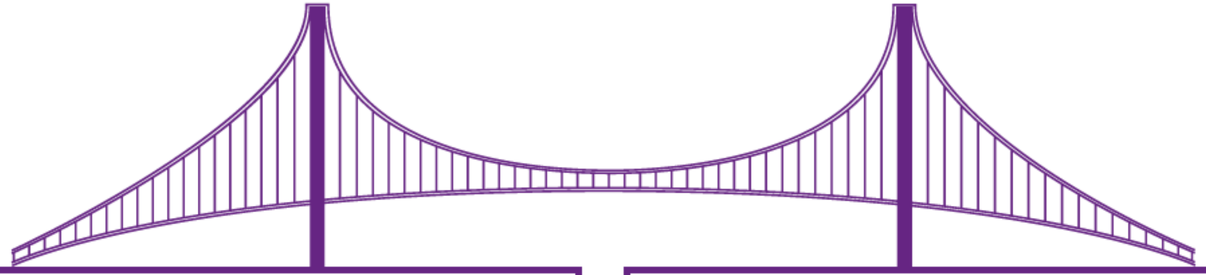

R&D SYSTEM

Public Research Organisations
+
Universities

Knowledge generation

PRODUCTIVE SYSTEM

Companies

Value generation

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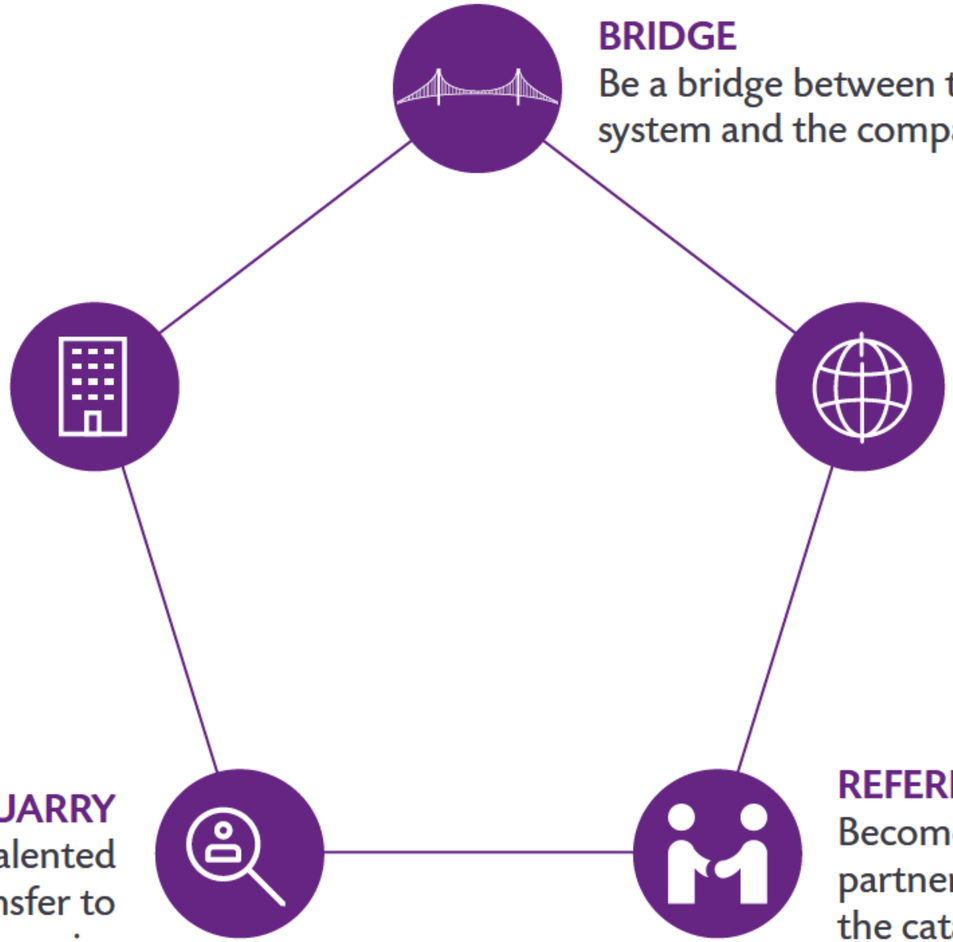
/ REASONS FOR CREATING EURECAT.



BRIDGE
Be a bridge between the research system and the companies

INTERNATIONAL
Internationalise catalan R&D

REFERENCE POINT
Become a technology partner of reference for the catalan companies

QUARRY
Attract and train talented people to transfer to companies

INNOVATIVE SME
Increase the amount of catalan innovative companies with a special focus on SMEs

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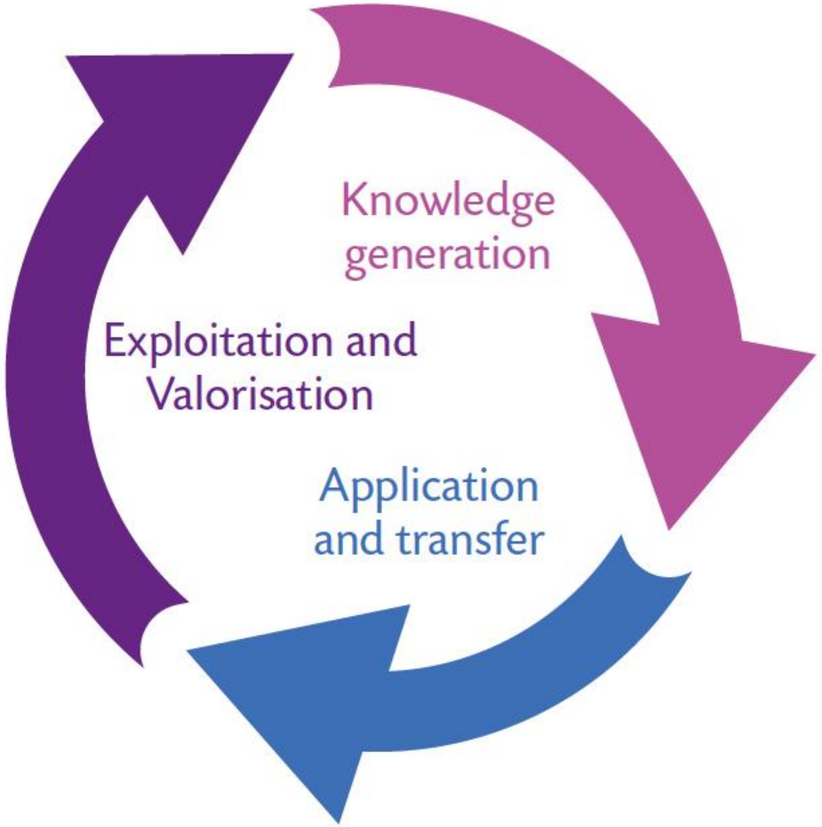
MISSION

To promote competitiveness of companies and society through applied research, innovation and knowledge transfer.



VISION

To become the reference point in industrial research and knowledge transference in our innovation system.

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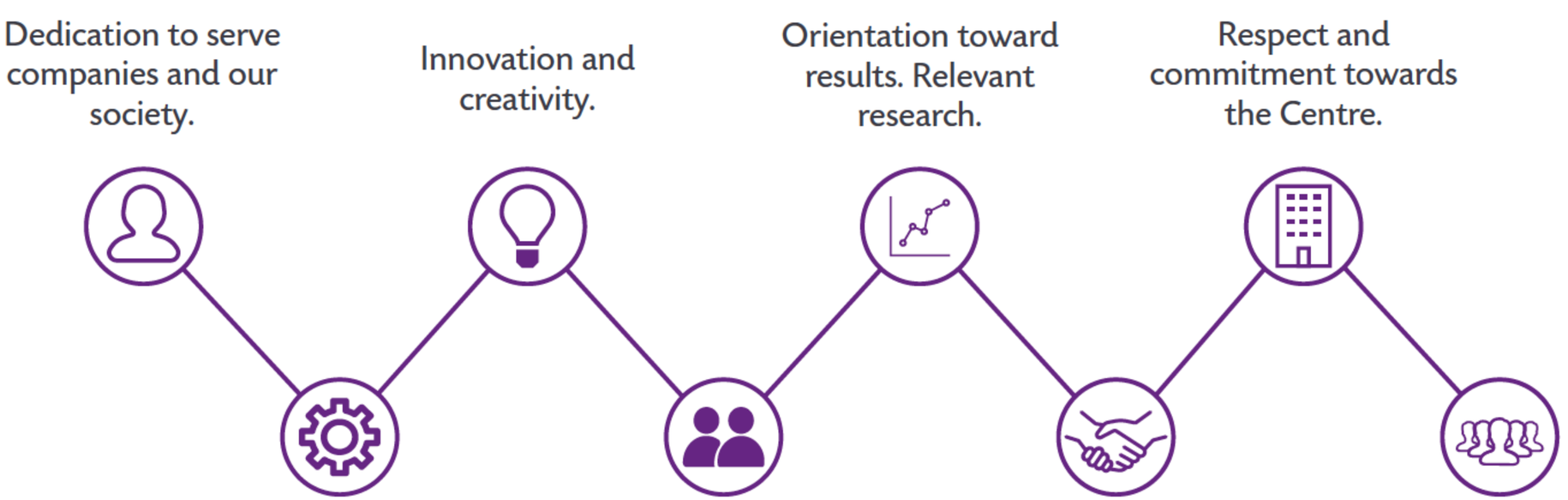
/ VALUES.



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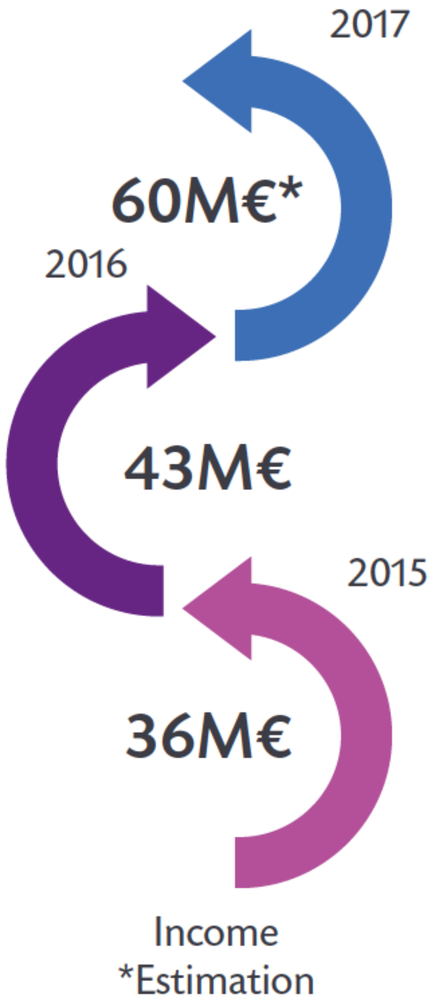
/ EURECAT IN NUMBERS.



+ 1.000
Client companies

+ 73
Patents

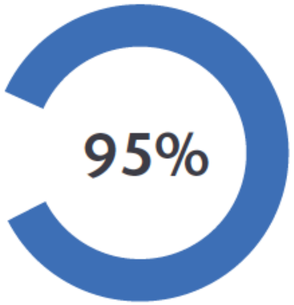
+ 160
Large R&D projects

+ 8
Spin-off

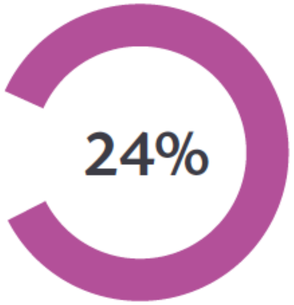
600 professionals

♂ **60%**

♀ **40%**



R&D projects



International projects

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/ FOR WHOM? SECTORS.

Eurecat is promoted **by the industry and for the industry.**

Eurecat's activity supports the implementation of
l'Estratègia d'Especialització Intel·ligent de Catalunya (RIS3CAT)

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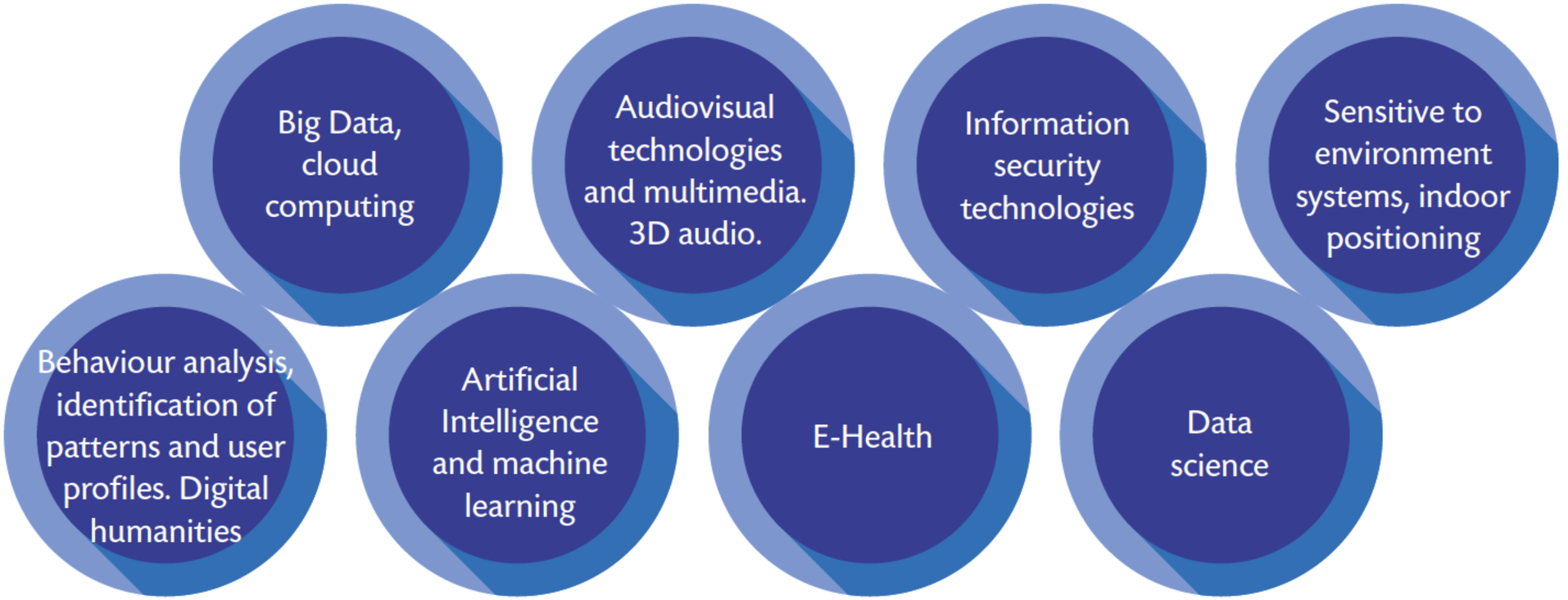
/ WHAT DO WE HAVE?

Digital technology area.



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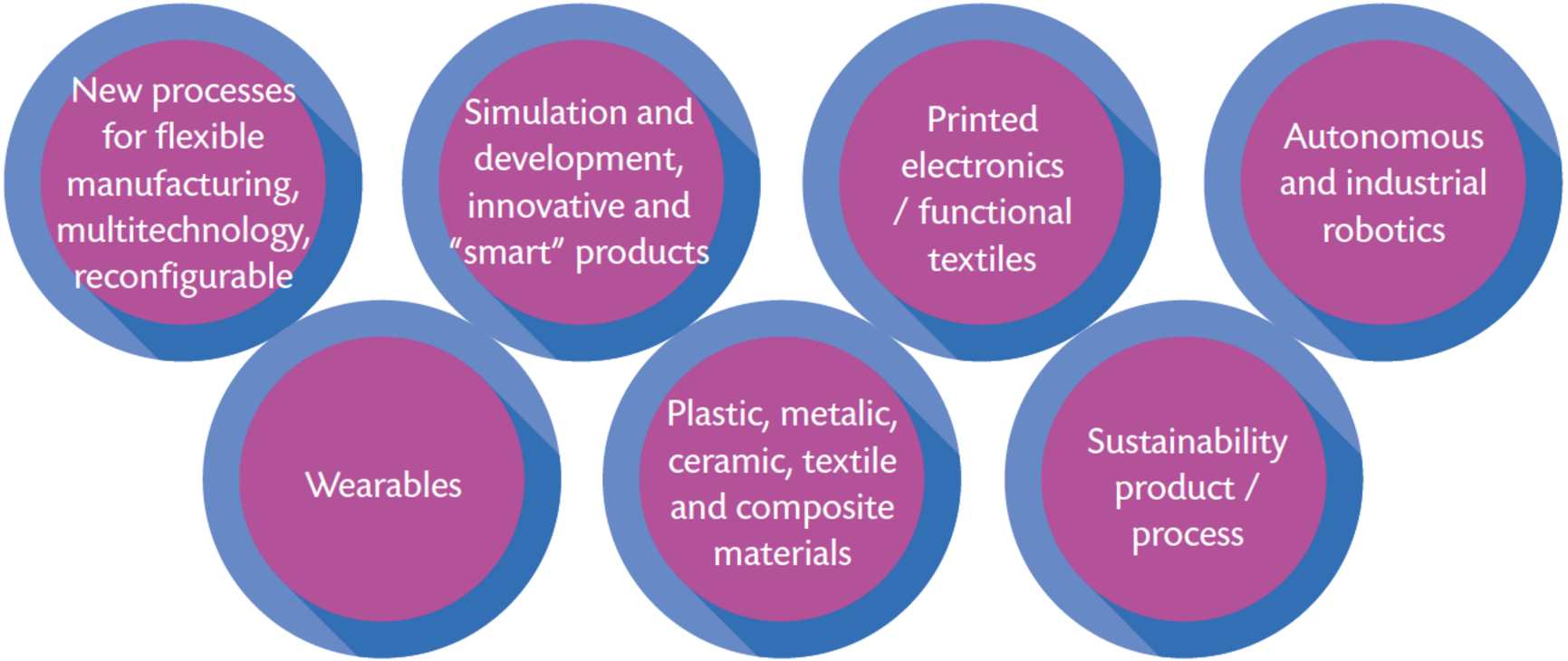
/ WHAT DO WE HAVE?

Industrial technology area.



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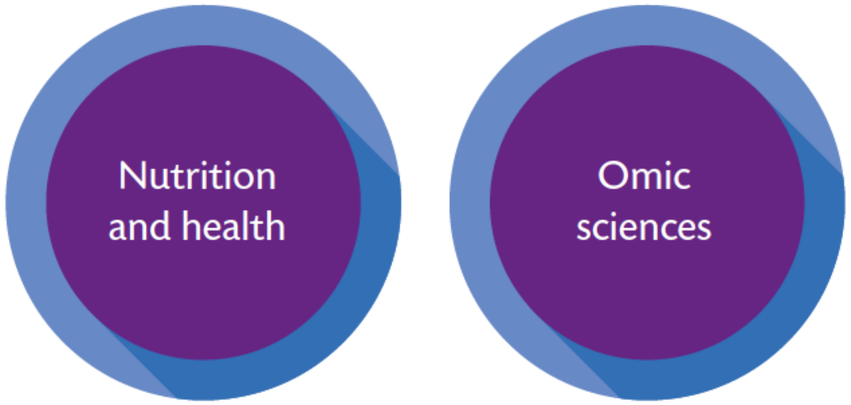
/ WHAT DO WE HAVE?

Biotechnology area.



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/ HOW DOES EURECAT HELP COMPANIES? TO INNOVATE...

+ SPEED

- → Technology watch
- → National and international benchmark
- → Internal time saving

+ UP TO DATE

- → Qualified professionals
- → Expertise
- → Multi-disciplinarity

- COSTS - RISK

- → Availability of infrastructure and laboratories
- → Proofs of concept
- → R&D&I units working together for companies

+ DISRUPTIVE

- → Scientific and technological forefront
- → Network of relationships
- ∞ Public calls

+ KNOWLEDGE

- → Specialised training
- → Qualified personnel

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Eurecat at the service of companies and the society

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/ EURECAT'S SYNERGY.

Creation and data retrieval
Advances in interfaces (Wearable, mobile, M2M, Social Media, IoT).

Data Science
New algorithms, methods and platforms to approach new challenges.

Data storage and Infrastructures
Big Data architectures and Cloud Computing.

Visualization and User Experience
Simulation environments, Visual environments. Audiovisual technologies.

Digital

SUSTAINABLE, DIGITAL & SMART: INDUSTRY 4.0

Today's science is tomorrow's technology.

Advanced Manufacturing

New efficient technologies
Sustainable processes.

Functional materials
Adding properties to products of the future.

Intelligent systems
Boosting the concept of intelligent factories.

Industrial Laboratories of the Future
From the concept to the industry.

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/ EURECAT, AT THE SERVICE OF COMPANIES AND THE SOCIETY.

Technological centre oriented towards results. Some examples...

Improvement and creation of industrial processes

- New patented system of micromolding for polymeric parts.

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/ EURECAT, AT THE SERVICE OF COMPANIES AND THE SOCIETY.

Technological centre oriented towards results. Some examples...

Data analytics for city management.

Data Science & **Data analytics**: Data mining for data retrieval and real time city management.

Innovative systems.

Autonomous and collaborative robotics.
Aerial Robot for the Sewer system Inspection.

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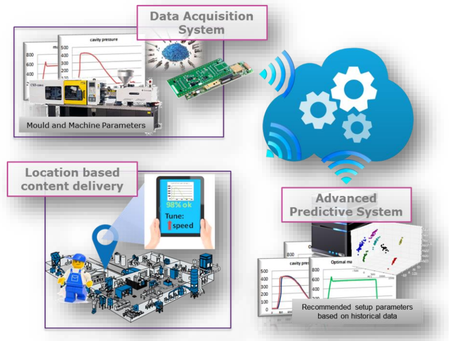
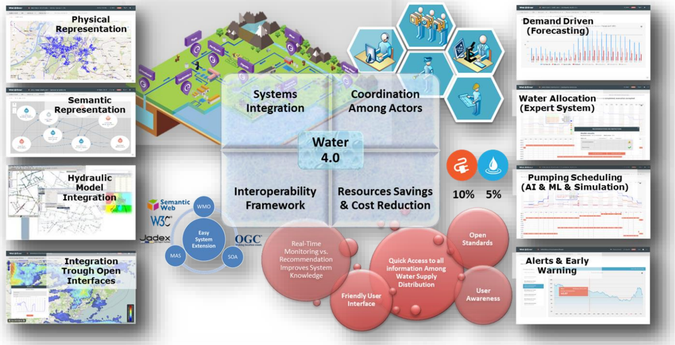
/ EURECAT, AT THE SERVICE OF COMPANIES AND THE SOCIETY.

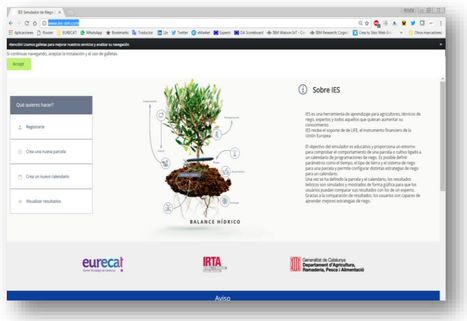
Technological centre oriented towards results. Some examples...



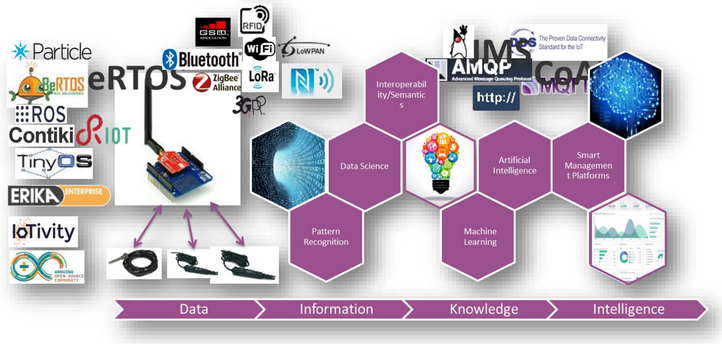
Industry 4.0



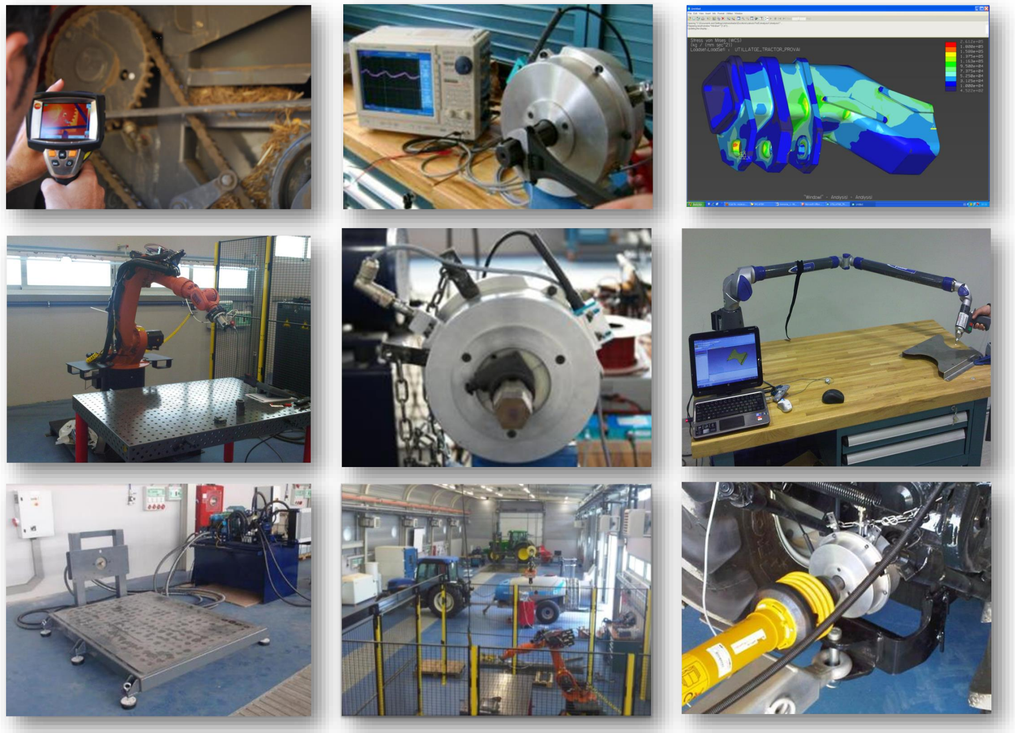
Big Data Analytics



Simulation tools



IoT Platforms & Interoperability



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Technological centre oriented towards results. Some examples...

Big Data Center of Excellence @Barcelona

"Promoting Data Culture

BIGDATACoE BARCELONA by eurecat

Partners

Ajuntament de Barcelona · Barcelona Activa

Generalitat de Catalunya Departament de la Presidència

eurecat Centre Tecnològic de Catalunya

ORACLE

GOALS

- *Brake entry barriers*
- *Prototype innovative solutions*
- *Train supply and demand within the new data culture*
- *Create a reference ecosystem*

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BDV i-Space

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Technological centre oriented towards results. Some examples...

Infrastructure

- Analytic Tools
- Data Sets
- Data Engineers & Scientists
- Success Cases & Best Practices
- Innovation & Demo Space

AgriTech Big Data

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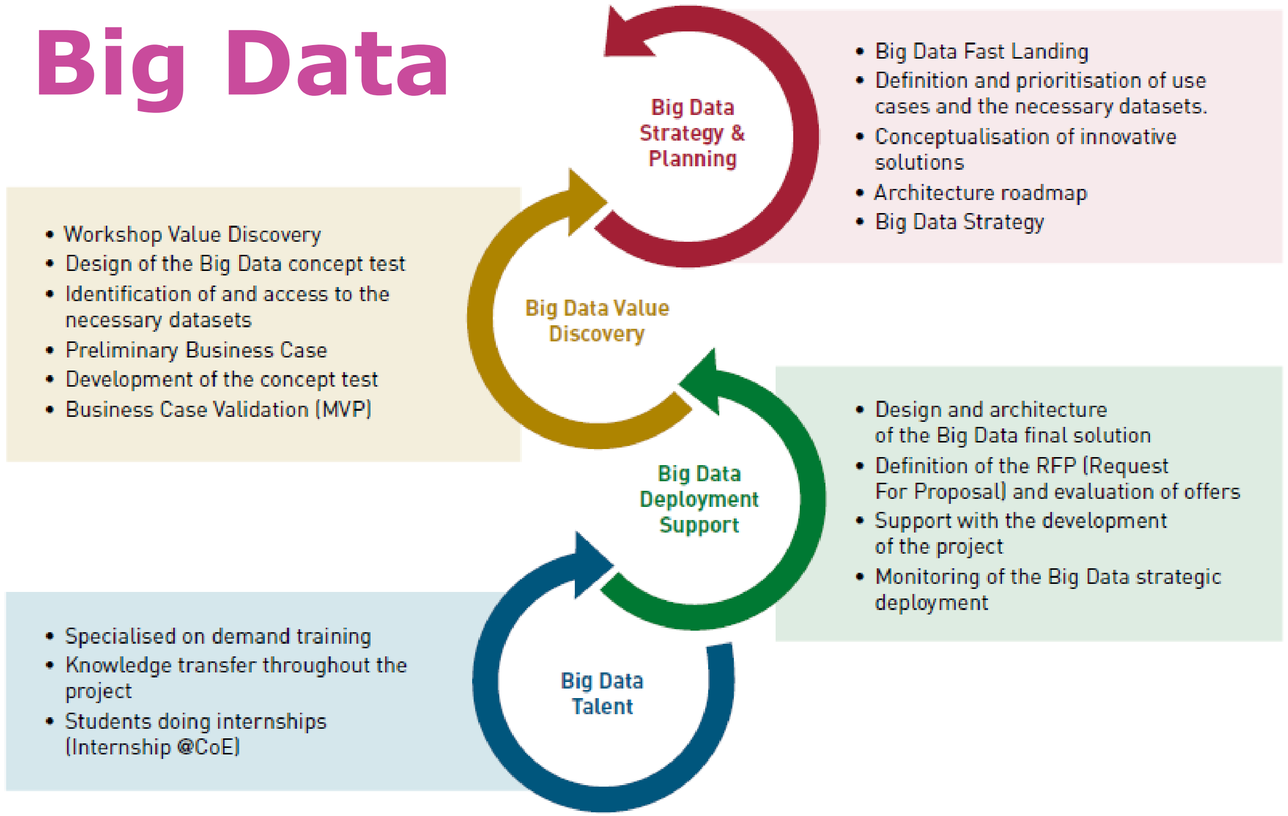
Universitat de Lleida



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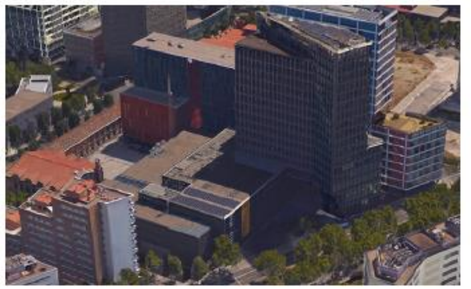
/ ALONGSIDE THE COMPANIES, THROUGHOUT THE TERRITORY.

Canet

Mataró

Reus

Cerdanyola



Barcelona

Manresa

Girona

Lleida

Amposta

Brasil

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Simon
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CTM

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General Directorate for Industry

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Relats

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Hipra

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Relats

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Director

/ ADVISORY BOARD.

Representatives of all stakeholders of the Catalan innovation system.

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/ DELEGATE COMITTEES.

Ascamm's sectorial comission: AP Photo Industries, Dicomol, Cie Automotive, Torrents Research, Sener, Moldes GBC, Tade, Moldes ITM, Simon Holding, MC Prevención, Cerámicas Piera, Cambra de Comerç de Sabadell, Amec, UPM, UAB, UPC i Generalitat de Catalunya (dgi-ACCIÓ)

Barcelona Media's sectorial comission: UPF, Mediapro, PROA, Ccma, Indra, RBA, Kelonik, Yahoo, UOC, Ajuntament de Barcelona, Generalitat de Catalunya (Cultura-Economia-Indústria)

BDigital's sectorial comission: Cellnex, IBM, Fujitsu, Tecnocom, Hewlett Packard, Cap Gemini, S-System, Microsoft, Oracle, Telefonica, UPF, UPC, URV, UOC, Cambra de Comerç de Barcelona, Fundació Esade, Ajuntament de Barcelona, Generalitat de Catalunya (Societat Informació-Indústria), Caixabank

Cetemmsa's sectorial comission: Hartmann, Telstar, Nae, Simon Holding, Relats, Bóboli, Carbures, FAGEM, AEGP, Fundació Tecnocampus, UPC, Consell Comarcal del Maresme, Ajuntament de Mataró, Generalitat de Catalunya (ACCIÓ)

Tarragona's sectorial comission: URV, Andres Pintaluba, Unió Agraria Cooperativa, Ajuntament de Reus, Repsol, Grupo Navec, Basf, Ajuntament de Vila-seca, Ajuntament de Salou, FEHT, Ajuntament de Falset i DOP Priorat.

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THANK YOU

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tecnio catalonia
ACCIÓ Generalitat de Catalunya
Fins a 31/12/2019