

CIDAI

Centre of Innovation
for Data tech
and Artificial Intelligence



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Director
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www.cidai.eu

A key element for the Catalonia.IA strategy

Mission:

Demonstrate the advantages and speed up the adoption of innovative data exploitation and Artificial Intelligence technologies.

Vision:

To promote the Catalan ecosystem to become an international reference for trustworthy AI innovation and adoption both, at an enterprise and at a social level.



Proximity

In constant dialogue with companies and organizations across the region in order to assess their main challenges and opportunities.



Usefulness and impact

Prioritize and promote the most relevant initiatives in order to inspire and facilitating access to state-of-the-art technologies.



Excellence, neutrality and ethical principles

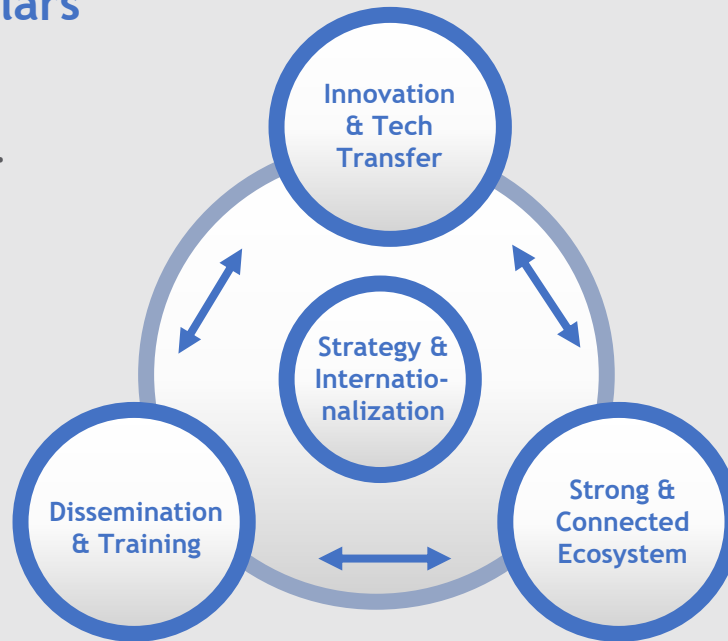
Activities and projects led by sectorial experts, with continuous technology scouting and ethical & best practices application.

CIDAI follows the Digital Innovation Hub guidelines defined by the European Commission. It will operate as a networked center to serve companies and institutions.

CIDAI's Pillars & Environment

CIDAI'S four activity pillars

- Design and implement of applied Innovation projects.
- Link and promote the Catalan AI ecosystem.
- Execution of specialized dissemination & training-related activities.
- Strategy and internationalization



CIDAI environment

- Create an active and dynamic community involving all the region's major players.
- Establish a well-connected Catalan ecosystem as an international hub of reference.
- Strong commitment of few Core Partners key for the development of the strategy.



Objectives and CIDAI's pillars



1

INNOVATION AND TECH TRANSFER

To generate, validate and transfer high added value AI technologies to foster innovation in Catalonia's strategic economic sectors, including public administration and third sector.

2

STRONG & CONNECTED ECOSYSTEM

To become the main AI-expert contact for organizations in Catalonia, assisting them individually and by creating a vibrant and collaborative community that connects offering and demand.

3

DISSEMINATION AND TRAINING

To promote AI adoption amongst companies and society by specific dissemination actions and training activities throughout the region.

4

STRATEGY AND INTERNATIONALIZATION

To foster the Catalan AI ecosystem as an international reference hub, reflecting on international trends and best practices and participating in the main AI national and International initiatives.

Activity: Innovation and Tech Transfer

1

INNOVATION AND TECH TRANSFER

To generate, validate and transfer high added value AI technologies to foster innovation in Catalonia's strategic economic sectors, including public administration and the third sector.

High Impact & Ground Breaking Projects

Ground-breaking initiatives with large impact will be ideated, promoted and executed among the CIDAI partners with the collaboration of highly specialized external parties, members of the community, focusing in strategic sectors and use cases.

Cutting-edge proof of concepts

Implementation of cutting-edge proof of concepts validating a practical application of a novel AI/Data technology by CIDAI partners.

White Papers

Generation of white papers focusing on a wide range of aspects, from pure technological insights to business, managerial or societal perspectives. A first series of white papers are being written focusing in AI innovation opportunities in strategic economic sectors, including inspiring success cases.

AILabs

Identify and map regional infrastructures and labs accessible by the community, which can accelerate AI innovation and keep an updated catalogue.

Data4AI

Promote best practices on data sharing and assist projects and organizations with datasets identification and access.

Innovation and Tech Transfer

Catalonia.AI strategy



Agri-food



Health and well-being



Education



Cultural and experience
based industries



Language



Mobility



Energy and
sustainability



Industry 4.0

CIDAI's prioritization in 2020



Mobility



Cultural and experience based
industries



Health and well-being

Projects & PoCs

High Impact & Ground Breaking Projects

- ✓ Smart data platform for agents in the tourism sector
- ✓ Data-driven Road Safety Analytics
- ✓ Epidemiologic Observatory

Proof of Concept

- ✓ Deep learning to support the diagnosis of lung tumors
- ✓ Real voice translator in Catalan to text
- ✓ Recovery of recoverable objects in waste streams
- ✓ AI for public administrations documents

Activity: Strong & Connected Ecosystem

2

STRONG & CONNECTED ECOSYSTEM

To become the main AI-expert contact for organizations in Catalonia, assisting them individually and by creating a vibrant and collaborative community that connects offering and demand.

1st point of contact

CIDAI will act as the first point of contact to organizations willing to start or reinforce their Data & AI strategy, providing a wide set of innovation-based services as well as acting as the main connecting stakeholder in the region.

Members Mapping and Dynamization

All AI ecosystem will be mapped, and concrete action plans will be defined together with the main stakeholders in the region to maximize CIDAI's impact in all its activities.

Innovation Workshops

Hold quarterly interactive workshops to present the main AI&Data Tech innovations and success cases in strategic sectors and fields, in order to identify opportunities and tackle existing challenges through collaborations with the community.

Activity: Dissemination & Training

3

DISSEMINATION AND TRAINING

To promote AI adoption amongst companies and society by specific dissemination actions and training activities throughout the region.

Annual Conference

Hold one annual conference where trends, use cases and state-of-the-art technologies are explained. With few presentations from international speakers, this event mostly highlights impactful projects and technologies developed and/or applied nationally.

Demo Space

A Demo space in Barcelona will be set up, where prototypes and demos will be permanently showcased. This space will be used also as a meeting location to attract a broader audience and different societal sectors.

Skills and Training

CIDAI will map all education and training possibilities in Catalonia and structure the complete offer and will execute some activities to achieve a better understanding of the industry needs and assist the training offer, such as the promotion of a Data Tech and AI job and internship board.

Masterclasses

Masterclasses with lessons learnt about applying state-of-the-art technologies will be given by reputed technologists members of the CIDAI.

AI & BIG DATA CONGRESS BARCELONA

6^a Ed. | 14 & 15 OCT 2020

Keynote

Oriol Vinyals - Google DeepMind

Research Director in Deep Learning

TITLE: The Deep Learning Toolbox in 2020

WHAT WILL YOU FIND AT THE PROGRAMME?

In this edition, we will enhance the content on Artificial Intelligence that is increasingly present and convergent. This year we will also offer strategy, technology and workshops sessions.

STRATEGY & TRENDS SESSIONS:

Present and future
of Artificial
Intelligence and
the exploitation
of data

Artificial
Intelligence
in crisis
situations

Success stories

TECHNOLOGY & DEVELOPMENT SESSIONS:

Equity and
interpretability
of the IA
algorithms

Architectures,
platforms and
effective
infrastructures
for the AI

Pionering fields
and applications
(strong AI)

CIDAI's workshops in 2020

AI Use Case Roadmap → November

Best practices for the adaptation and prioritization of use cases of advanced analytics in the business environment.

AutoML Concepts and Techniques → December

AutoML from a strategic as well as from a practical perspective, including insights on the main challenges, limitations, and other considerations inherent in using AutoML (such as its impact on ethical AI).

Activity: Strategy & Internationalization

4

STRATEGY AND INTERNACIONALIZATION

To foster the Catalan AI ecosystem as an international reference hub, reflecting on international trends and best practices and participating in the main AI national and International initiatives.

Advisory Board

An international Advisory Board will be set up consisting of international reputed individuals in the field, that will assess CIDAI's strategy and issue recommendations to the Catalan AI Strategy and ecosystem.

International Networking Programs and Projects

CIDAI will be present to the main European networks related to AI and Data Technologies and will actively seek partnerships with other AI-related initiatives and will promote its participation in relevant programs.

Trends & Initiatives Scouting

CIDAI will select and recommend the main news (international and regional) in the field every month. At the end of every year a collaborative reflection upon the main news and survey results will be written and disseminated.

AI4Good

In close collaboration with the Catalan AI Observatory (led by the University of Girona) CIDAI will foster AI4Good projects and it has an own Ethical Committee that will embrace and guarantee Ethical guidelines through all its activities.

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Microsoft



CIDAI, above all, is a collaborative initiative aiming at maximizing synergies with existing stakeholders, willing to help any organization and open to new partnerships to accelerate innovation and adoption of AI in Catalonia.

Let's Talk!

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