CONFIANCE IA: TRUSTWORTHY AI IN QUEBEC

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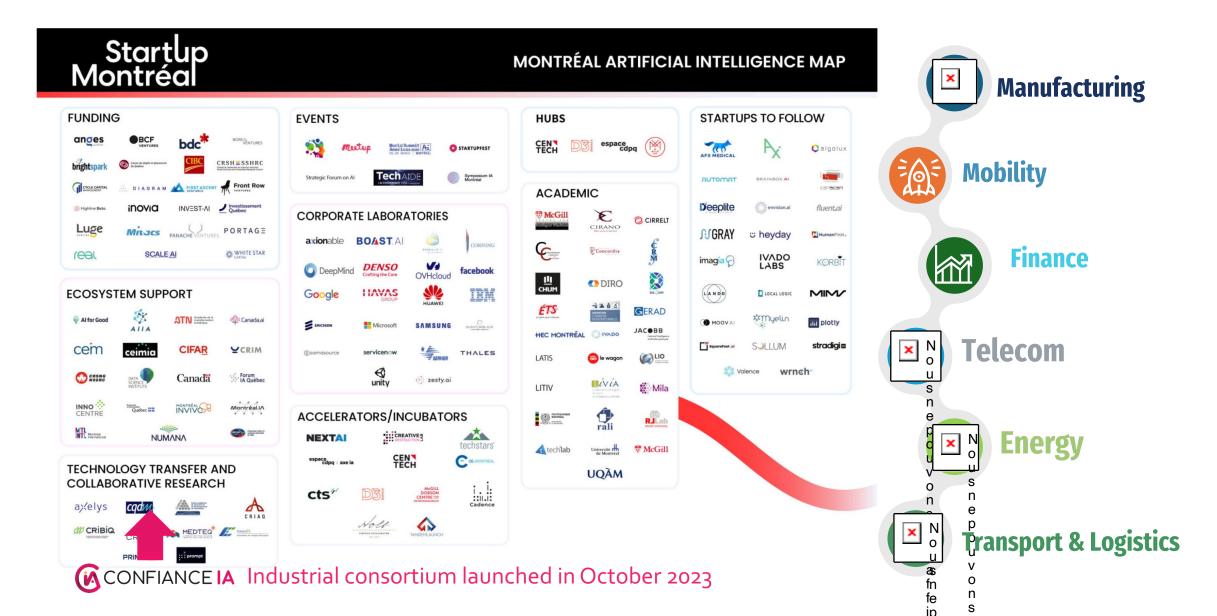**CEO, Confiance IA**

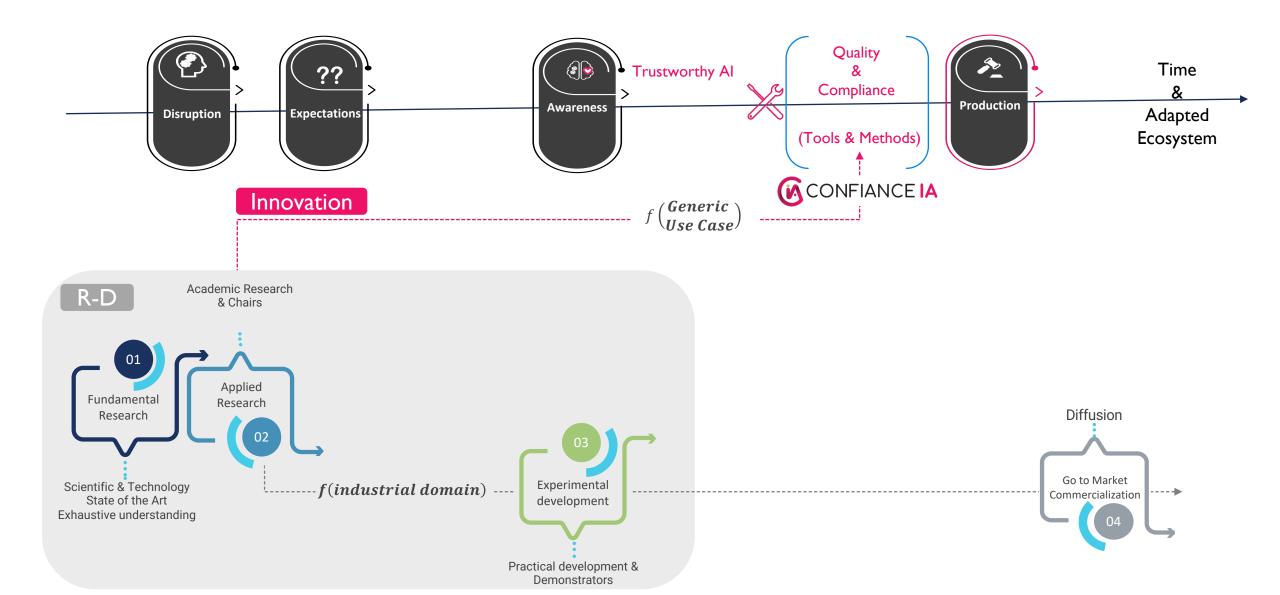CONFIANCE IA

FOR a trustworthy AI designed and realized by a network of companies

- *Québec (Canada)*

MONTREAL AI ECOSYSTEM

CONFIANCE IA Industrial consortium launched in October 2023

CONFIANCE IA : REVAMPED & BOOSTED HYPE CYCLE

Disruption > Expectations > Awareness >

Trustworthy AI

Quality & Compliance

(Tools & Methods)

Time & Adapted Ecosystem

CONFIANCE IA

Innovation

$f\left(\genfrac{}{}{0pt}{}{Generic}{Use\ Case}\right)$

R-D

Academic Research & Chairs

01 Fundamental Research

Scientific & Technology State of the Art Exhaustive understanding

02 Applied Research

$f(industrial\ domain)$

03 Experimental development

Practical development & Demonstrators

Diffusion

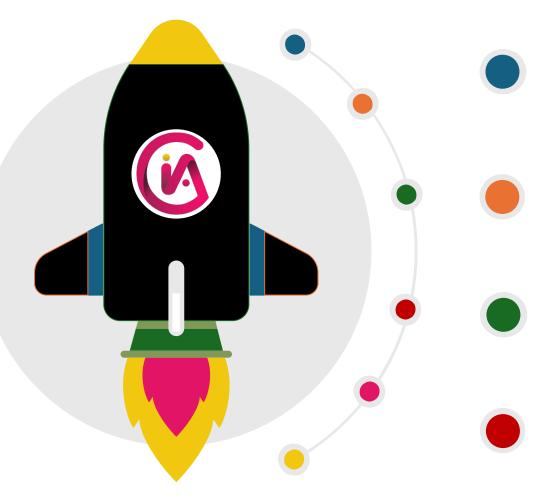Go to Market Commercialization

04

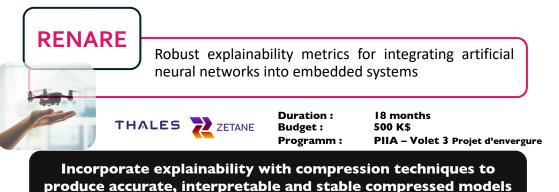# CONFIANCE IA : COINNOVATION FOR TRUSTWORTHY AI

Understand that to adopt AI, you need to move to a systematic approach to **AI quality management**

Moving beyond the one-size-fits-all R&D approach and choosing a **regulated innovation framework for AI**
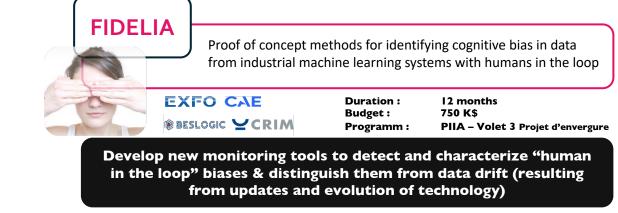
Bringing together industries, AI technicians and **societal disciplines (ethics, sustainability, security, etc.)**
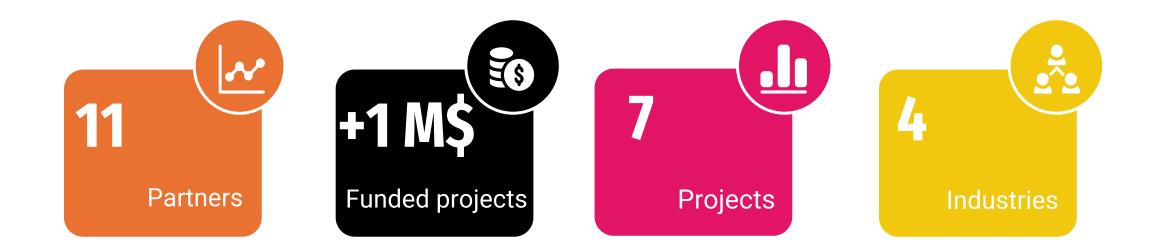
Be open to sharing **generic use cases** & **precompetitive tools and methods** to qualify and quantify trustworthyness properties of AI

CONFIANCE IA : EXAMPLE OF TRUSTWORTHY AI

RENARE

Robust explainability metrics for integrating artificial neural networks into embedded systems

THALES **ZETANE**

Duration :   18 months
Budget :   500 K$
Programm :   PIIA – Volet 3 Projet d'envergure

Incorporate explainability with compression techniques to produce accurate, interpretable and stable compressed models to improve both their real-time efficiency and reliability.

FIDELIA

Proof of concept methods for identifying cognitive bias in data from industrial machine learning systems with humans in the loop

EXFO CAE
BESLOGIC **CRIM**

Duration :   12 months
Budget :   750 K$
Programm :   PIIA – Volet 3 Projet d'envergure

Develop new monitoring tools to detect and characterize "human in the loop" biases & distinguish them from data drift (resulting from updates and evolution of technology)

11 Partners

+1 M$ Funded projects

7 Projects

4 Industries

CONFIANCE **IA** : NEXT STEPS

Strategy

Tactics

Operations

Influence the AI trustworthyness framework

- Depending on the strategical decisions of industries CEOs, influence with agility the regulation framework for AI

Concretize Norms & Standards

- Understand deeply and stay tuned about current regulations (CA & QC).
- Connect Ethics and AI

Support Industries & Experiment methods and Tools

- Provide co-innovation insights & Sandbox for anticipating and experimenting cuting-edge trustworthy AI that interest the industry sectors