THE NEXT GENERATION OF AI

The TRUST-AI project aims at bridging the gap between the analytical expressions derived from theory and the numerical models obtained with Machine Learning.
A novel paradigm will be developed, whereby humans and machines can collaborate and discover new solutions.

CONTACTS

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FINANCING
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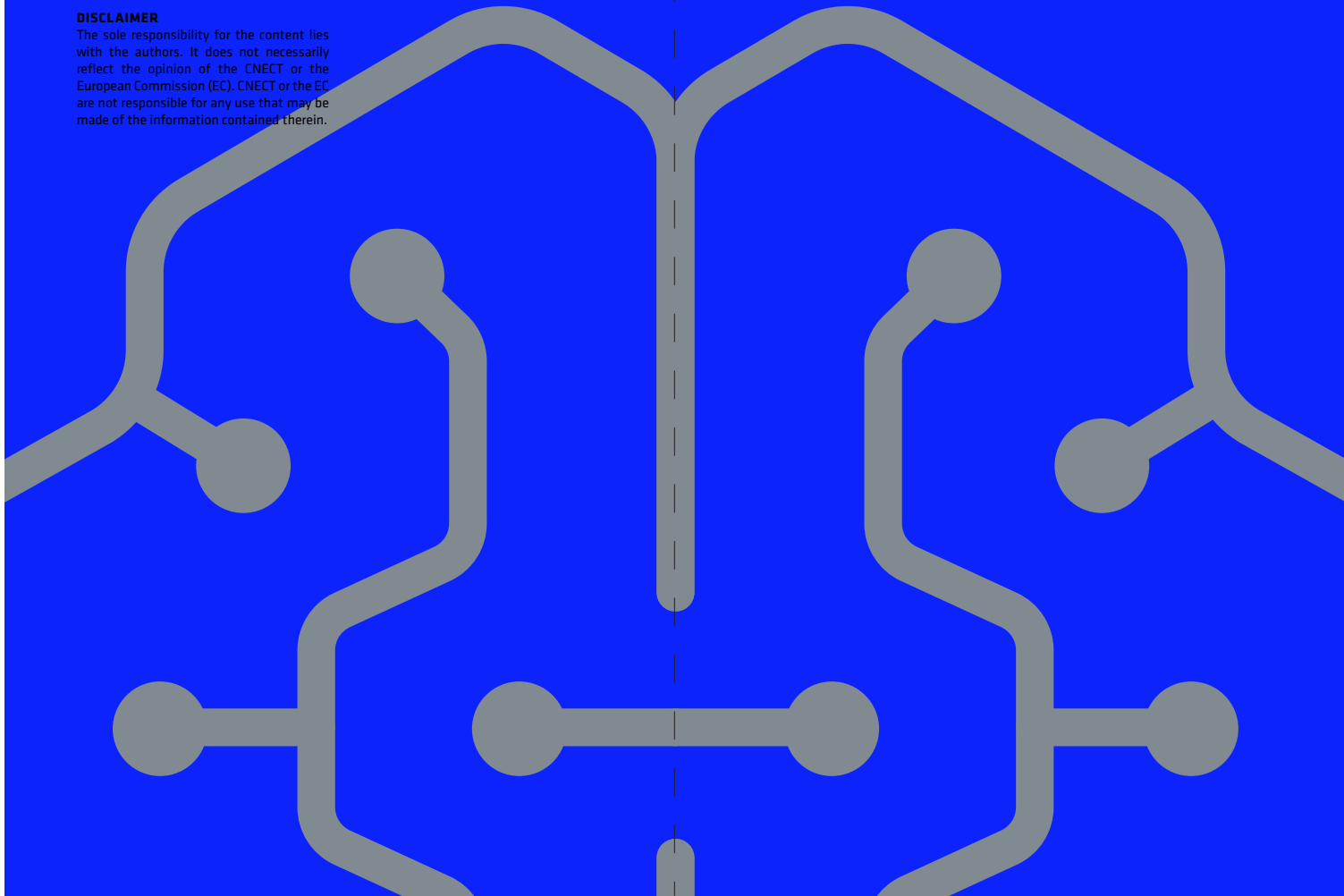
TRUSTAI

TRANSPARENT, RELIABLE & UNBIASED SMART TOOL

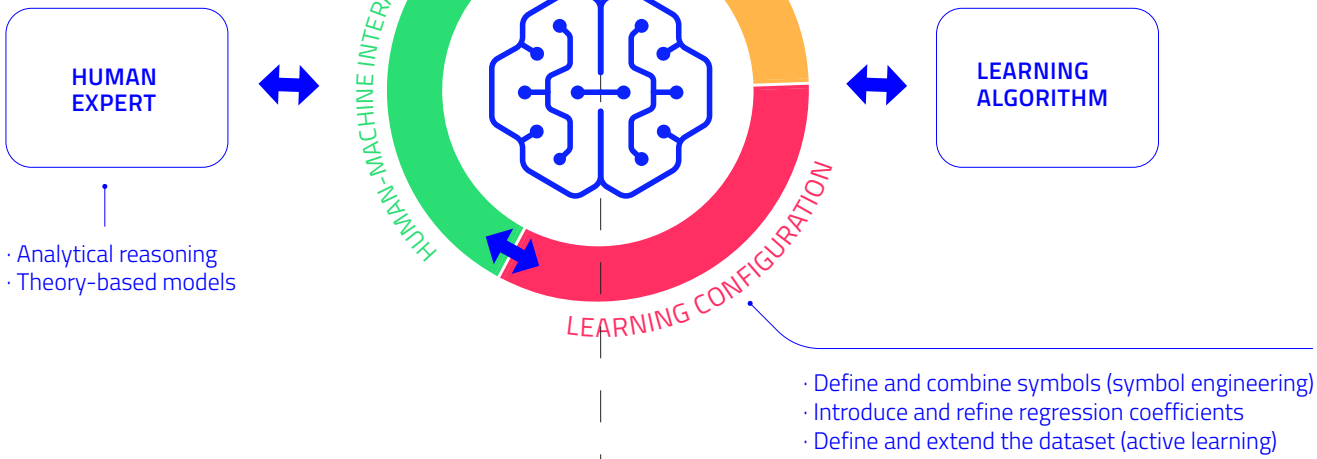


THE PROPOSED SOLUTION- TRUST SYSTEM

· Translate human requirement
· Multi-modal interaction

· Contrast solution, connect causes
· (Local understanding)

· Guide empirical search
· Convergence to short expressions



· Analytical reasoning
· Theory-based models

· Define and combine symbols (symbol engineering)
· Introduce and refine regression coefficients
· Define and extend the dataset (active learning)

TOTAL FUNDING OF 4 M€
7 PARTNERS INVOLVED

1 OCTOBER 2020 – 20 SEPTEMBER 2024

Project coordinator

INESCTEC

Research institutions

UNIVERSITY OF TARTU · Inria · NWO

SMEs

APINTECH SUSTAINABLE SOLUTIONS FOR THE INTERNATIONAL COMMUNITY · TAZI · LTP

THREE USE CASES

The three use cases approached will serve to guide the development of the framework, but will bring important short-term benefits, namely in cancer treatment, last-mile delivery and energy consumption.

	USE CASE 1	USE CASE 2	USE CASE 3
PROBLEM/APPLICATION	Cancer Treatment (Healthcare)	Time Slot Selection (Retail)	Demand Forecast (Energy)
AI TASK	Regression (Predictive)	Selection (Prescriptive)	Regression (Predictive)
KEY FEATURES	Risk, Learning from Small data	Fairness (to multiple stakeholders), Multi-criteria	Distributed Sources of Data, Incremental and Active Learning
PARTNER	LUMC Leiden University Medical Center	SONAE MC	APINTECH SUSTAINABLE SOLUTIONS FOR THE INTERNATIONAL COMMUNITY