

FinTech and Insurancetech case studies digitally transforming Europe's future with BigData & AI driven innovation

The INFINITECH Project

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Background



Historically, the financial and insurance services sectors are “**conservative**” (resistant to digital transformation and technology disruptions)



Digital Technologies are rapidly **transforming** the financial and insurance services industry



The vast majority of digital transformation applications for the finance and insurance sectors are **data-intensive** and leverage technologies on **fragmented** data sources



Endless quest for **cost-effective** applications exploiting Big Data also coming from IoT and Data Lakes

Infnitech

- H2020 Program Grant
 - Innovation Action
- Project Budget: 21.080.482 €
 - EC Grant: 15.870.480 €
- Timeframe: 01/10/2019-31/12/2022
- 47 Participants (Industry, Academia, FinTechs)

Tailored IoT & BigData Sandboxes and Testbeds for Smart, Autonomous and Personalized Services in the European Finance and Insurance Services Ecosystem

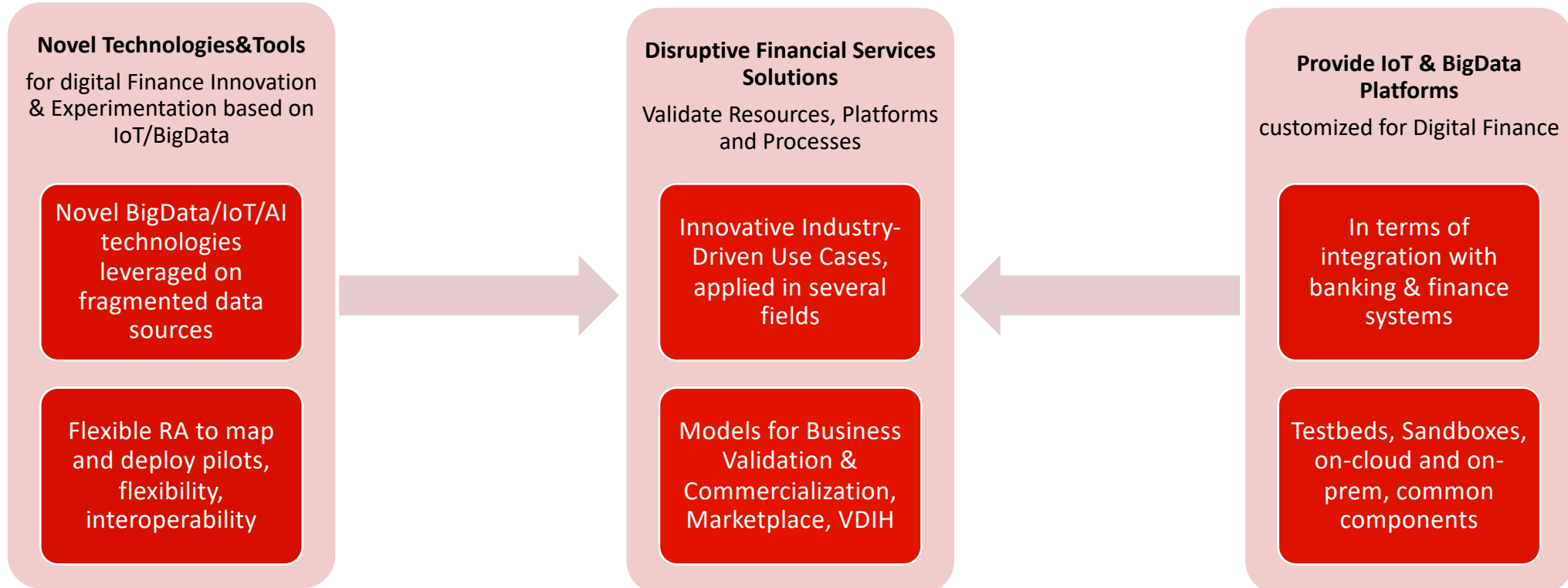


INFINITECH Vision

Innovation

Market

Execution



INFINITECH Team

Innovation

Universities and Research Centers

NUI Galway
 OÉ Gaillimh
 UNINOVA
 FONDAZIONE BRUNO KESSLER
 University of Glasgow
 UNIVERSITY of NICOSIA
 UNIVERSITY OF PIRAEUS RESEARCH CENTER
 CTAG
 Centro Tecnológico de Automoción de Galicia
 Jožef Stefan Institute
 gradiant
 Connectivity Intelligence Security for your business

Market

FinTechs & High-Tech AI/IoT SMEs

CROWD POLICY
 privé: technologies
 jrc
 Finance Innovation
 Pôle de compétitivité mondial
 UNPARALLEL
 COPENHAGEN FINTECH
 agroapps
 DIGITAL TOOLS
 dwf
 INNOVATION SPRINT
 reportbrain
 Roessingh
 UBITECH
 ubiquitous solutions
 LEAN SCALE
 wanalyze
 Innov-acts

Execution

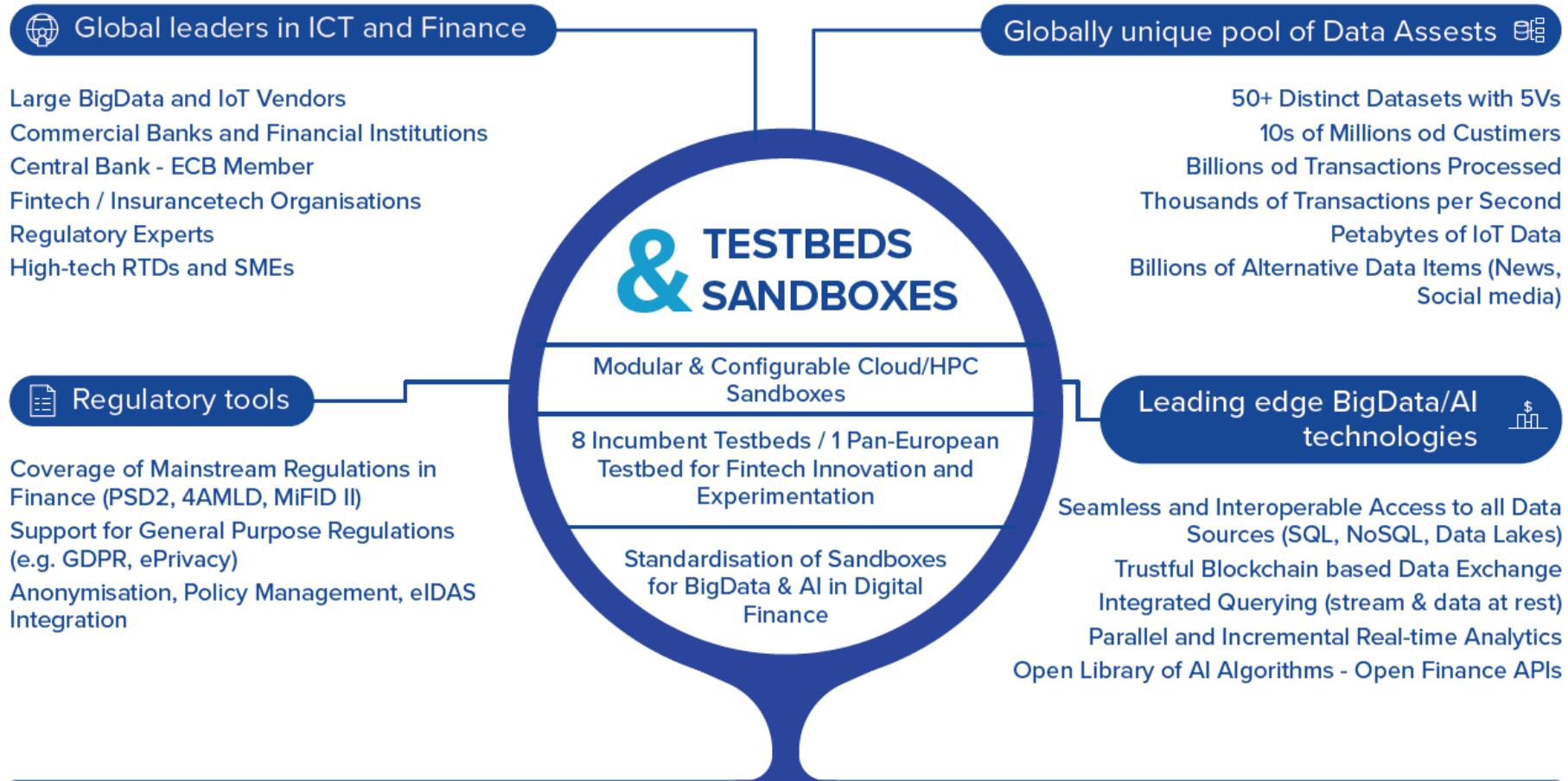
Digital Finance Vendors & Integrators

GFT
 Atos
 SIA
 IBM
 FUJITSU
 Hewlett Packard Enterprise
 Singular Logic



INFINITECH Overview

Innovation



- **Flexible Reference Architecture to map the 15 Pilots**



Shaping Europe's digital future

Innovation

Open, democratic and sustainable society

- Control and protection over data
- Anonymization and encryption techniques
- Entirely ethic and legal compliance
- Coverage of regulations (e.g. GDPR, PSD2)

Technology that works for the people

- Fraud detection, AML and combat terrorism
- AI/ML respecting users privacy
- Trusted digital services
- Access to trainings and services

A fair and competitive digital economy

- Hyperconnectivity, Big Data and IoT
- Marketplace and Virtualized DIH
- Open sources information extraction
- Shared testbed to facilitate SMEs deployment



The INFINITECH Pilots (Finance)

Market



Personalized Retail and Investment Banking Services

- KYC & Customer-centric Data Analytics
- Personalized Portfolio Management & “Democratization” of Investment Banking
- Smart & Personalized Pocket Assistant for PFM
- BFM tools delivering a Smart Business Advise
- Personalized Closed-Loop Investment Portfolio Management for Retail Customers



Smart, Reliable and Accurate Risk Assessment

- Invoices Processing Platform for a more Sustainable Banking Industry
- Real-time Risk Assessment in Investment Banking



Predictive Financial Crime and Fraud Detection

- Operation Whitetail – Avoiding Financial Crime
- Platform for Anti Money Laundering Supervision
- Analyzing Blockchain Transaction Graphs for Fraudulent Activities
- Real-time cybersecurity analytics on Financial Transactions’ BigData



The INFINITECH Pilots (Insurance)

Market



Personalized Usage-Based Insurance Pilots

- Personalized insurance products based on IoT connected vehicles
- Real World Data for Novel Health-Insurance products



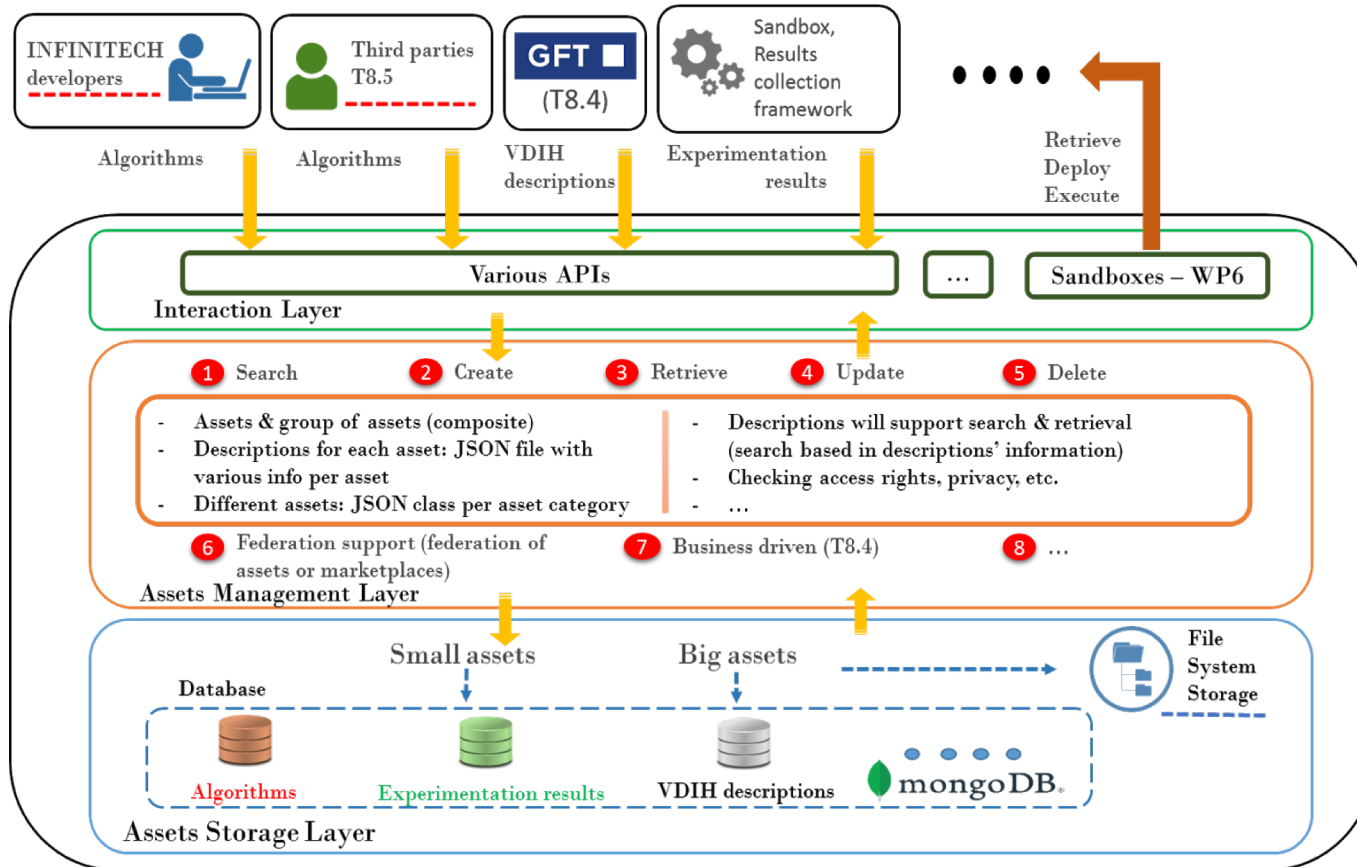
Configurable and Personalized Insurance Products for SMEs and Agro-Insurance

- Alternative/automated insurance risk selection - product recommendation for SME
- Big Data and IoT for the Agricultural Insurance Industry



Marketplace, VDIH and ISA

Market



ISA INFINITECH
STAKEHOLDERS
ALLIANCE

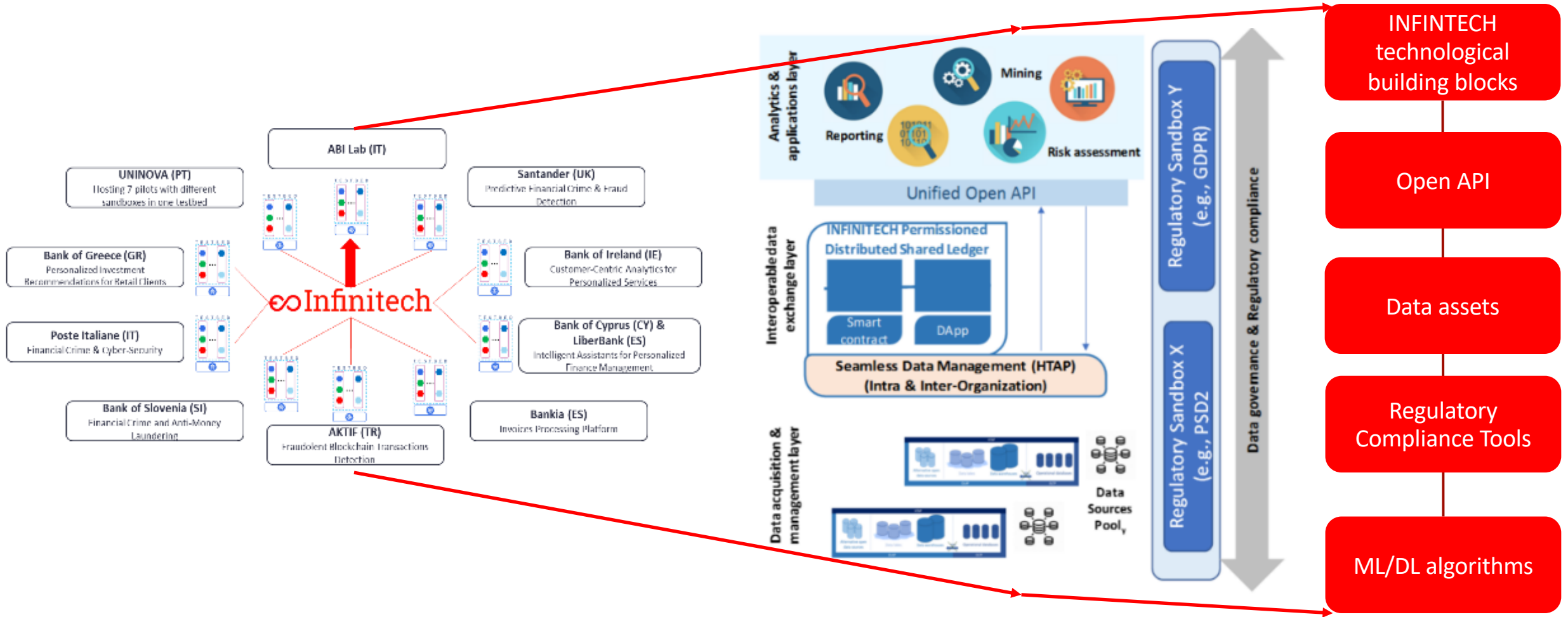
ISA is the main vehicle for engaging relevant stakeholders

- Stakeholder **ecosystem**
- Structured **communication**
- Privileged access to **information**
- Collaboration with **R&I**
- **Newsletter** with focused information



Testbeds, Sandboxes & Building Blocks

Execution



Thank you for the attention

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