

INNOVECOS IS DRIVING OPEN INNOVATION & VENTURING AS GLOBAL INNOVATION HUB

InnovEcoS

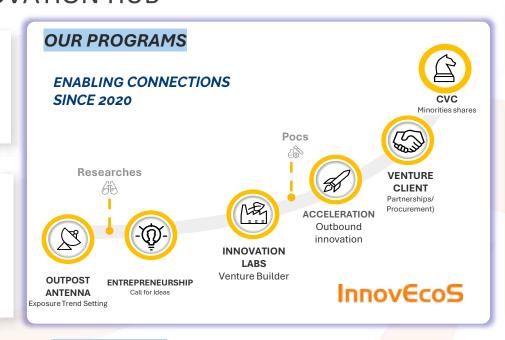
INSIGHTS AND TRENDS

+18 Publications and Researches

INTRAPRENEURSHIP

+50 Ideas Received

+7 Internal Ideas
Accelerated



ACCELERATION

+10

Startup Accelerated Fintech

Aeroporto di Bologna

Copenhagen

OUR PARTNERS









CVC

+20

CVC
Portfolio Of
Investments

VENTURE CLIENT

+630 Startup Scouted

+68 Intercepted

+27 Proofs Of Concept Delivered

-12 Pilots

VENTURE BUILDING STREAMS

+2

Gen Al Lab Metaverse Lab



WHO WE ARE

InnovEcoS represents a dynamic network of **multidisciplinary experts**, united by a passion for innovation and boasting a **wealth of experience** ranging from 5 to over 25 years in the **Fintech industry**. Our professionals serve as pivotal local influencers and thought leaders worldwide, driving fintech acceleration and shaping market trends.

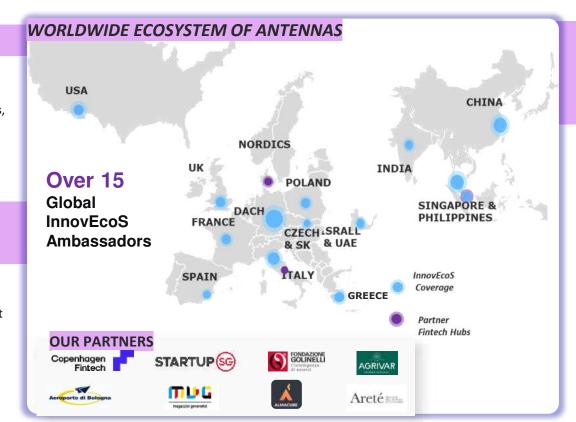
Backed by **CRIF's extensive global ecosystem**, we leverage over three decades of cumulative growth in customer relations, data analytics, product development, and service excellence to empower and transform the financial landscape.

GLOBAL INSIGHTS

We provide expert guidance on navigating disruptive challenges and identifying potential threats, ensuring you remain at the cutting edge of global digital innovation trends

STRATEGIC STARTUP ALLIANCE FRAMEWORK

We facilitate strategic partnerships with startups, guiding them from initial concept through to successful market deployment.



VENTURE CLIENT ACCELERATION FOR STRATEGIC INNOVATION

We identify the essential needs of business units, scout and engage with suitable external partners, and manage collaborations.

Our expertise extends to validating innovative ideas and overseeing their rollout to ensure alignment with strategic goals.



InnovEcoS

WE FOSTER and ACCELERATE GLOBAL INNOVATION AT CRIF

InnovEcoS is CRIF's Global Open Innovation Hub, accelerating CRIF's leadership as both a Fintech innovator and enabler. We are dedicated to discovering promising business models and forging impactful partnerships to drive business growth. Through cutting-edge research, experimentation, and strategic collaborations, we champion open innovation and foster the creation of dynamic ecosystems.









Our Team



Natalia Shchelovanova Open Innovation and Start-ups Ecosystem Director



Maria Giustina Greco Open Innovation Engagement & Research Specialist



Emilio Tropea Open Innovation & Venture Manager



Olivier Mathurin Senior Research & Innovation Specialist



Giacomo Baldisserri Open Innovation & Venture Specialist



Massimo Gentilini Corporate CTO



Daniel Skiba Senior Manager



Global InnovEcoS
Ambassadors



Michele Zaccherini
Open Innovation &
Ecosystem Specialist







1. Early Adopters and Continuous Innovators in Generative Al

Pioneering Generative AI Since the Beginning



InnovEcoS

Core business vs innovation



It's not that I don't trust you, It's just that I don't trust you.

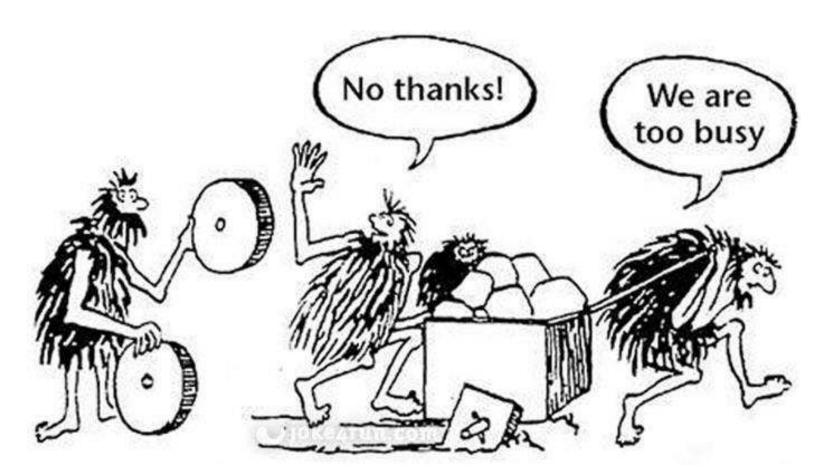






... the risk of Failure

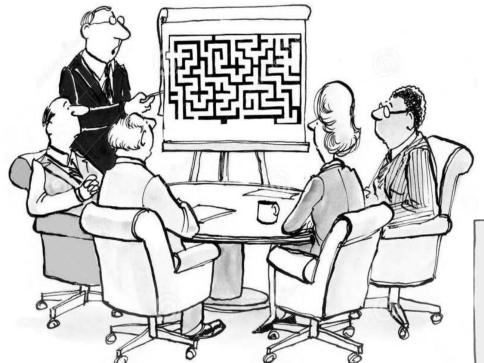












"What we've done is make it dramatically easier to navigate the corporate hierarchy."



Omissions Bias

judging inactivity that causes damage to be acceptable

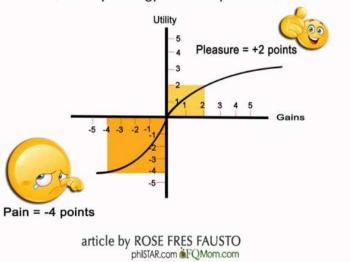


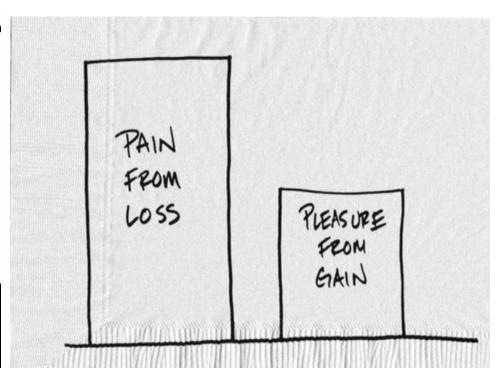
Omission bias

The tendency to judge harmful actions (commissions) as worse, or less moral, than equally harmful inactions (omissions).

LOSS AVERSION

(The Psychology of Money Series*)





Loss aversion: We are driven more strongly to avoid losses than to achieve gains



Culture does not change over night, but culture does not change until you start innovate.



Open Innovation

1. Innovation Leadership as a Necessity:

- innovation leadership isn't just a trend but a necessity. The traditional financial models are continuously challenged by rapid technological advancements.
- Innovation leaders stay ahead by anticipating and integrating emerging technologies proactively into their strategic planning, rather than merely reacting to trends.

2. Driving Cultural Change:

 Leaders in this space shift the conservative, risk-averse mindset of the financial industry towards a culture of creativity and open-mindedness. They encourage experimentation and embrace failure as part of the innovation process.

3. Collaboration:

 Effective innovation leaders facilitate collaboration across departments and with externa entities like fintech startups or other industries. This cross-pollination of ideas leads to neproducts

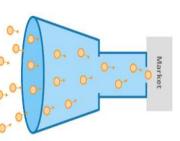
4. Balancing Creativity and Compliance:

 Innovation leaders are adept at navigating complex regulations while still pushing forward with innovative ideas. They balance creativity with the strict compliance requirements.

5. Nordic Design Principles:

- Incorporating principles of Nordic design into innovation leadership offers a way to enhance
 the process. Characteristics like simplicity, functionality, human-centricity, sustainability
 collaboration, and inspiration foster a more resilient, motivated, and user-oriented team.
- This design approach helps build sustainable growth while aligning innovation with busine goals.
- 6. Overall, innovation leaders are tasked with balancing visionary thinking with pragmatic execution, navigating challenges such as skepticism and risk, and ensuring alignment with business objectives.

Closed Innovation Corporate limit Internal Idea



Open Innovation

Corporate limit

Internal idea External idea

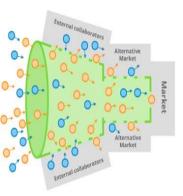
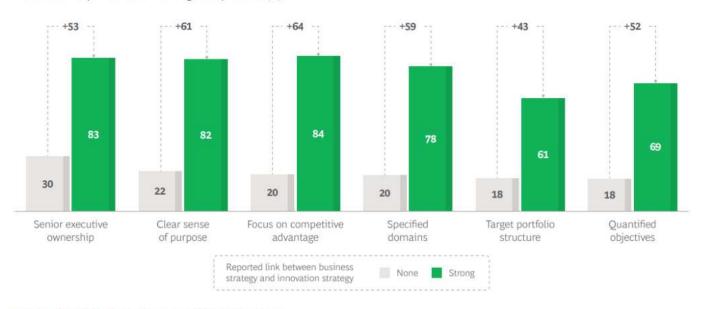




Exhibit 6 - Organizations with a Strong Link Between Business Strategy and Innovation Strategy Are More Likely to Exhibit Six Best Practices

Percent of respondents exhibiting best practice (%)



Sources: BCG Global Innovation Survey 2024; BCG analysis.

Notes: n = 124 for strong link; n = 525 for no link. Numbers may not sum due to rounding.



New level of speed and adaptiveness for Innovators

 Sharpening Business strategy for the race ahead to define the priority innovation domains.

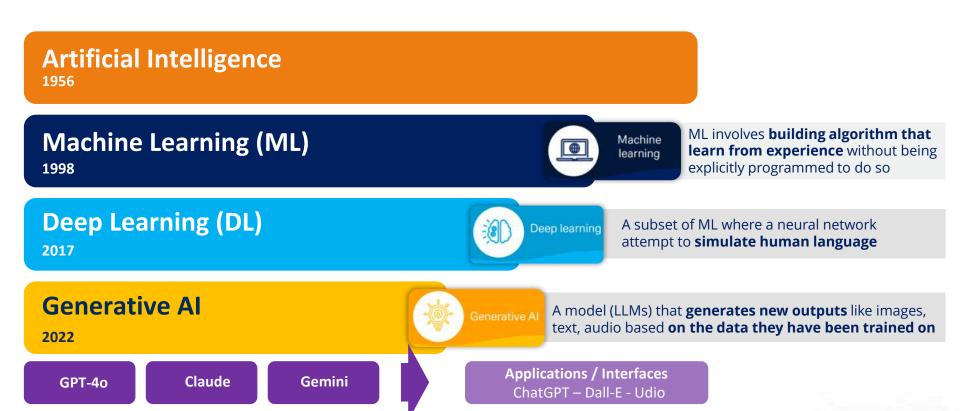
 Align innovation strategy with business strategy to create value.

- Innovators to recommit to strategy> resource allocation, pipeline shape to win in the priority domains.
- Incorporating GenAl is crucial to avoid falling behind and accelerate





Putting the base on data and AI in Generative AI



ARTIFICIAL INTELLIGENCE IN CRIF DATES BACK TO 2010

From linear regressions to plugins based on Large Language Models

Regressions applied to traditional databases

Machine

Learning

Tree-based models, credit data, customer data, CLV on cloud Computer Vision, Text Mining and Time Series with neural networks

Team dedicated to GenAI

databases

Big Data &
Advanced Analytics

Deep Learning

GenAl











MULTIDISCIPLINARY TEAM

Data Scientist, Data Engineer, Machine Learning Engineer, Cloud Architect, Business Specialist, ...

2010 2011 2012 2013 2014 2015 **2016** 2017 2018 2019 2020 **2021** 2022 **2023**









Credit Marketing

Benchmarking and riskweighted targeting solutions GIS & Network Analysis

Supply chain analysis andgeospatial marketing

Insurance and other industries

Analytics scores for technical sophistication and anti-fraud

ESG

Sustainability indicators for business and consumers

2024



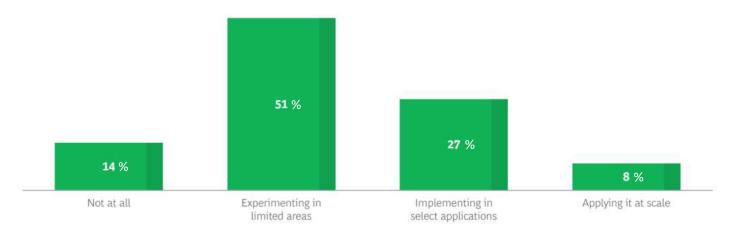
COMPETITIVE

Business oversight, Compliance by design, data driven



Exhibit 8 - Nearly All Companies Are Experimenting with GenAl for Innovation, but Most Are in the Early Stages of Their Journey

How extensively is GenAI being integrated into your company's innovation/R&D/product development function? (%)



Sources: BCG Global Innovation Survey 2024; BCG analysis.

Note: n = 1,003 for global respondents.

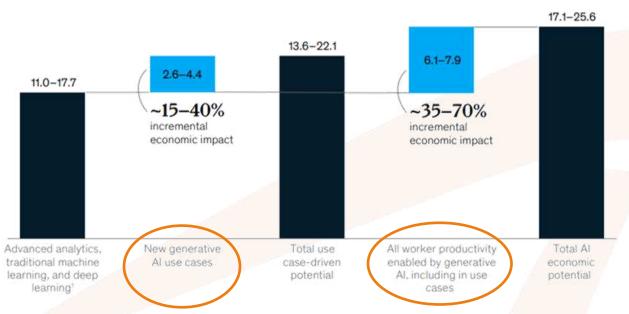




Gen-AI can unlock additional value on top of traditional AI

from new use cases and productivity improvement

Al's potential impact on the global economy, \$ trillion



75% of the value

that generative AI use cases could deliver falls into four areas: ,

- Marketing and sales,
- Software engineering
- Customer operation
- Product R&D

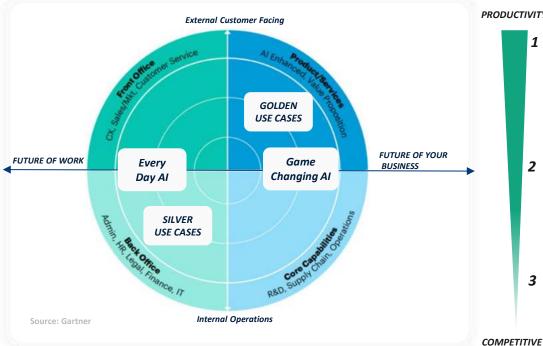


[&]quot;Updated use case estimates from "Notes from the Al frontier: Applications and value of deep learning," McKinsey Global institute, April 17, 2018. Source: McKinsey, 2023



GenAl Reclassification & common Definition

CRIF approach follows Gartner's definition



PRODUCTIVITY

ADVANTAGE

GEN AI FOR EVERYDAY USAGE

- · Personal Productivity
- Upskilling
- · Knowledge share

GEN AI APPLIED TO

Internal Process efficiency

«Silver Cases»

Improvement of Existing Products or customer facing

«Golden Cases»

GAME CHANGING AI

Projects that involve strategic decisions at company level (common direction, shared consensus, communication,...)

Sample use cases:

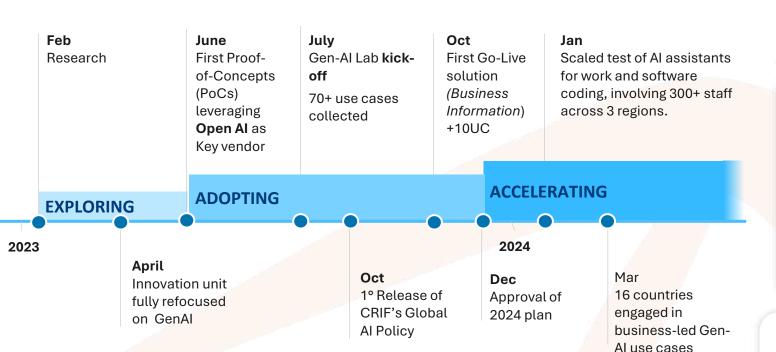
- · New channel of offering (eg. selling data thought convesational tools)
- Building a CRIF proprietary Foundation Model (leveraging our data)





Since 2023, CRIF invested massively in Generative Al

InnovEcoS



COLLEAGUES

70+

engaged

KNOWLEDGE MATURED

120+

use cases selected for 2025

22

Completed

TECH ADOPTION

(2) Pinecone



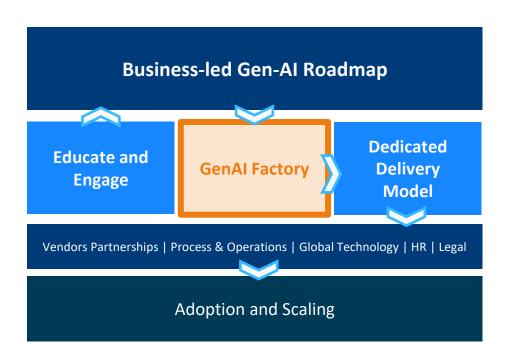


collection



We built a multidisciplinary team of experts as first adopters





"GenAl Factory"



Creation of a group-wide, central, multi-disciplinary dedicated laboratory.



Focus on internal needs, and use cases.



2. What we are pushing

with a quick tour of the Cutting-Edge in Generative AI



GENERATIVE AI TOOLS ARE EASIER TO USE EVERYDAY

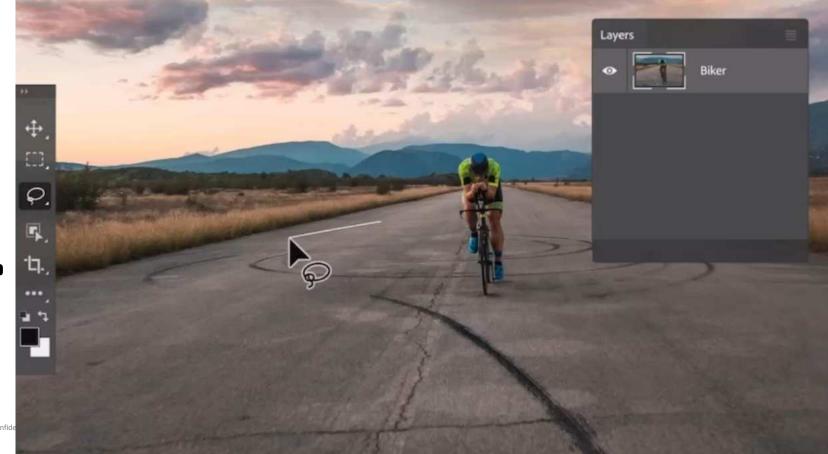
MIDJOURNEY V5 \rightarrow

TEXT-TO-IMAGE





GEN AI SLOWLY INTEGRATES INTO EVERYDAY TOOLS



ADOBE PHOTOSHOP

ADOBE FIREFLY



GEN AI MAKES IT EASIER TO SHARE CONTENT AND EDUCATE

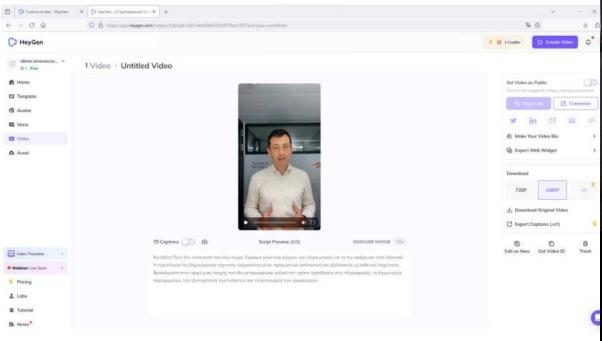
Video Translation



GEN AI MAKES IT EASIER TO SHARE CONTENT AND EDUCATE

HeyGen

Train the model once (1min video). Give input text, and it generates this \rightarrow

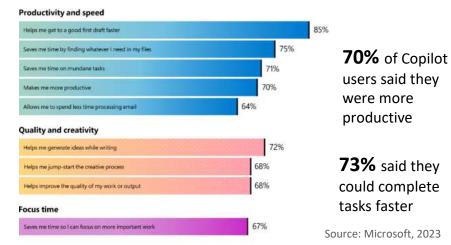




Market Trends

2024: GenAI in the workplace has become a commodity.

- Broader Availability from Vendors
- Workers expect it, concerned about job security, stress and expect trainings from employers



Reuters

Technology

Klarna using GenAI to cut marketing costs by \$10 mln annually

By Supantha Mukherjee

May 28, 2024 12:30 PM GMT+2 - Updated 8 days ago



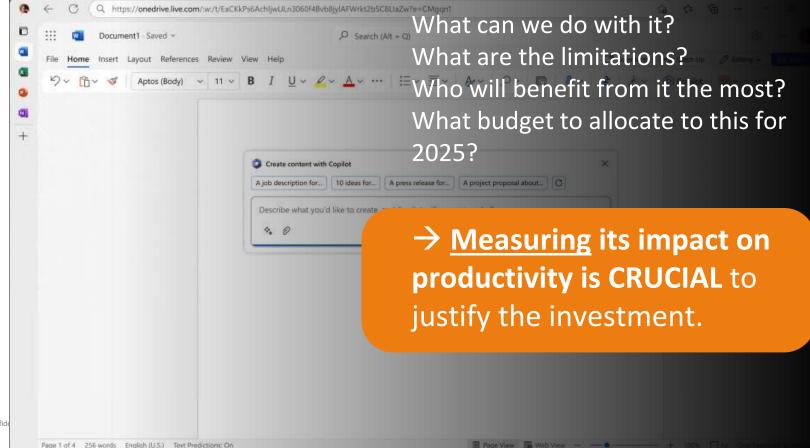
Klarna, Klarna, Klarna, Klarna *arna, Klarna,* Klarna, Klarna, Klarna, Klarn rna. Klarna. V Klarna, Klarna, Kla Vlarna. K a. Klarna darna. Klarna. Klarn. Klarna. Klarna. Klarna. Klarna

A smartphone displays a Klarna logo in this illustration taken January 6, 2020. REUTERS/Dado Ruyic/illustration/File Photo Purchass Licensing Rights [1]

STOCKHOLM, May 28 (Reuters) - Fintech firm Klarna, one of the early adopters of generative AI (Gen/ said on Tuesday it is using Al for purposes such as running marketing campaigns and generating imag saving about \$10 million in costs annually.

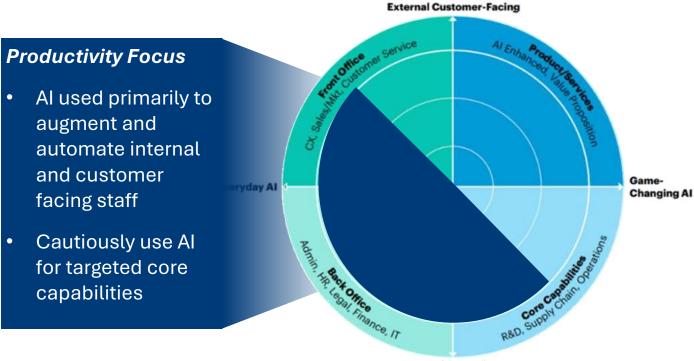
GEN AI SLOWLY INTEGRATES INTO EVERYDAY TOULS

COPILOT FOR MICROSOFT 365



What we are pushing

The AI Opportunity Radar



FUTURE OF BUSINESS

Internal Operations

Source: Gartner 799922 C





4. Real Impact: Our Generative Al Success Stories



VIDEO – ADOPTION OF GEN AI







Crif Ratings: Step forward with Generative Al

June 2024

5. Current Applications of Generative AI in Banking

Generative AI: Transforming the Banking Landscape Today





Financial Institutions are experimenting Gen AI to leverage the three main capabilities offered

- Chathot to assist customer-care staff and financial advisors
- Customer service automation
- Chatbot to serve consumer or corporate and investment banking clients









Deutsche Bank ČESKÁ 📥

- Compliance Chatbot
- **Business process automation**
- Deriving Insights Out of Unstructured Data









Make complex data intuitively accessible

Generating **Content** at the click of a button

- Software Coding efficiency
- Summarize unstructured data
- Synthetic data for ML

INTESA M SANDAOLO





J.P.Morgan





ING 🌬







Making online

interactions

conversational





How Generative-Al applies to Banking processes

with selected examples

EXTERNAL FACING

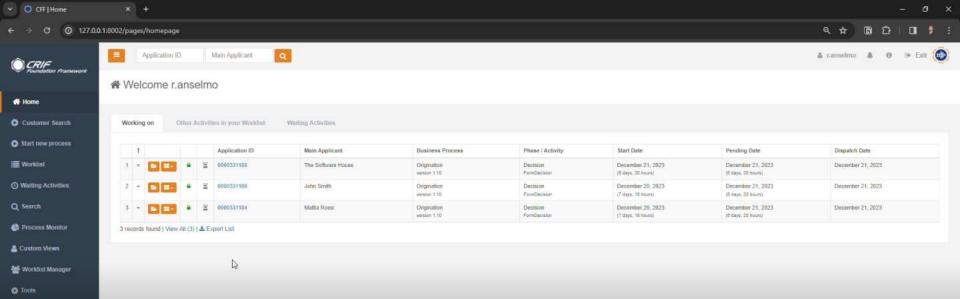
Improve customer experience

INTERNAL FACING

Improve Productivity







LOAN ORIGINATION

Al-Assistant for Credit Decision

LOAN ORIGINATION

Software House

Approver

Giacomo Aceto

Raffaele Anselmo

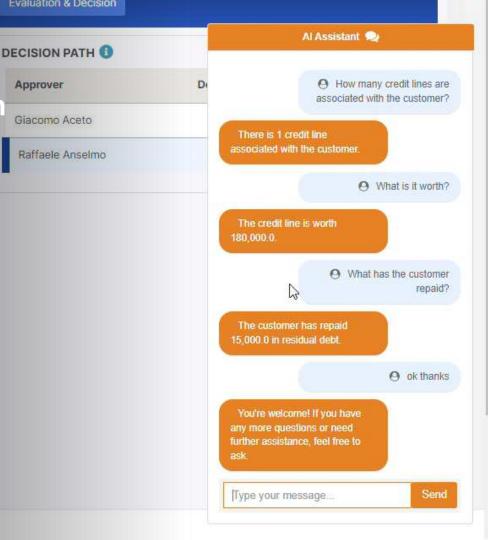
Al-Assistant for Credit Decision

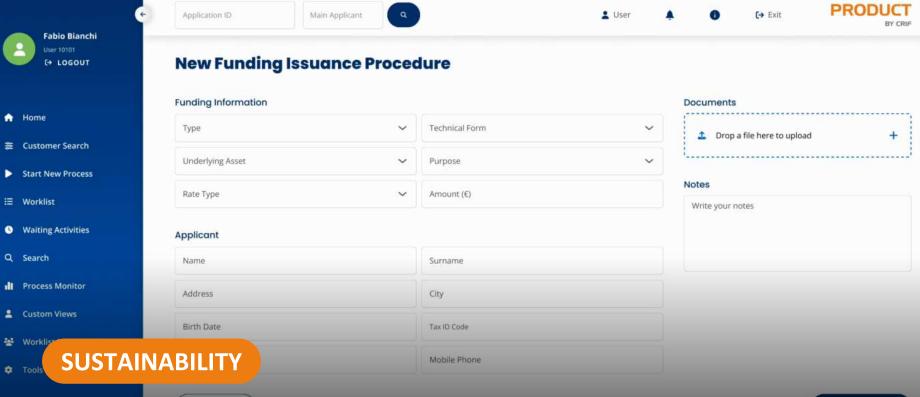
SUPPORTS AND GUIDES managers throughout the process

ANALYSES THE DOCUMENTS necessary for the investigation

UNDERWRITING

REPORT ANOMALIES AND OFFERS INSIGHTS about the credit application





Automated extraction of CSR information using GenAl

ANALYSE WITH AI

We recommend our clients to start with a Feasibility Study (AI-Drive) to discover and identify the most relevant GenAI use cases and match against the skills and governance and delivery model in place to meet the internal needs for Gen AI adoption.









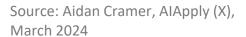


6. Al: What to expect next?



Trends

More Real-time capabilities









TREND Even more realism and liveliness



INPUT: 1x Picture, 1x audio



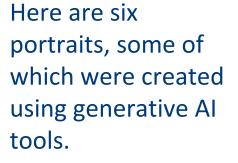


Can you spot the fake?















Five are fake.

Only one is real.

Which one?













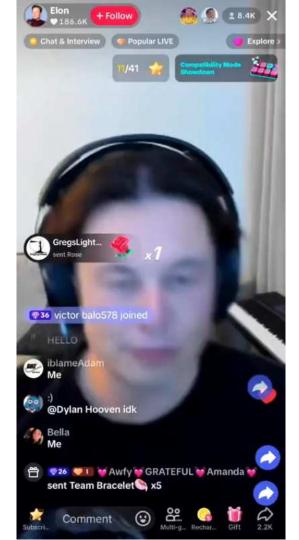
InnovEcoS

1 picture

This is what *Deep Live Cam* requires in order to create a real-time deepfake of anyone.

3sec of audio

Three seconds of audio is all what is needed to clone a voice with 85% voice match from the original





It becomes too difficult for us humans to distinguish the true from the false

2 out of 3 people perceive an Al-generated face as "more authentic" than a genuine human face.

Not only are Al-generated faces no longer distinguishable from human faces, but they are even perceived as "more human" than real human faces.

We need Al to fight Al

The only human face →







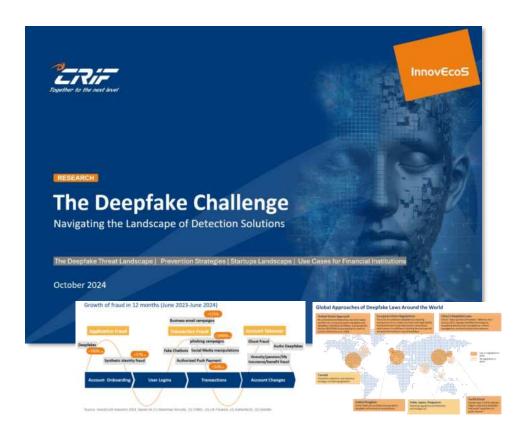








New Research (October 2024)





SCAN TO DOWNLOAD A FREE SAMPLE

Landscape of Deepfakes Detection Solutions

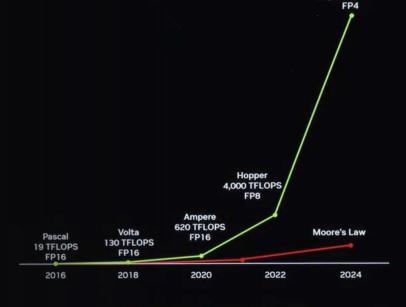
- Key startups and industry leaders
- Partnerships between banks, tech providers, and detection vendors
- Insights on emerging technologies
- Frameworks for evaluating solutions
- Case studies
- Regulatory requirements

TREND

This is just the beginning.

Al training compute **doubles every 6 months.**

- → More capable models
- → Lower cost of "intelligence"



8 年內 1,000X 的人工智慧運算 1,000X AI COMPUTE IN 8 YEARS





Key Findings and Take-aways



What We Have Learned In This Year And A Half

WE CAN CONSISTENTLY APPLY GENAL

BEING ON CLOUD ACCELERATE
OPTIONS

DATA IS THE KEY ELEMENT



NO NEED TO HAVE PROPRIETARY LLM

MAKE SURE YOU HAVE THE RIGHT SKILLS TO DRIVE GENAI INITIATIVES

IT IS NECESSARY TO FIND THE RIGHT LEGAL FRAMEWORK

- 1. Ensuring CRIF and our customers that data will not used by tech providers (google, aws, Microsoft,..)
- 2. Ensuring that we are respecting the policies of Al adoption
- 3. Addressing properly the responsibility of AI solutions

EXPERIMENT

BE OPEN, SCALE AND TAKE INSPIRATION FROM USE-CASES



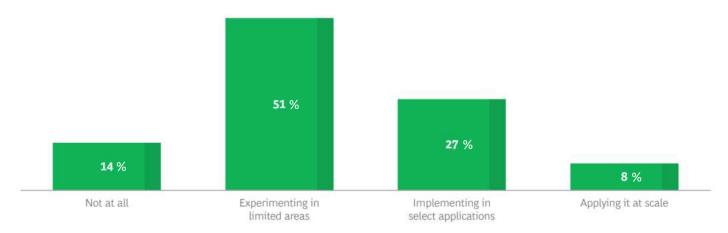


Gen AI is a Booster for pivoting the Digital/ Process/ Business transformation



Exhibit 8 - Nearly All Companies Are Experimenting with GenAl for Innovation, but Most Are in the Early Stages of Their Journey

How extensively is GenAI being integrated into your company's innovation/R&D/product development function? (%)



Sources: BCG Global Innovation Survey 2024; BCG analysis.

Note: n = 1,003 for global respondents.



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