



Overcoming challenges in AI adoption with funding and support from ICT49 EU initiatives

New Challenges for Europe's Cohesion



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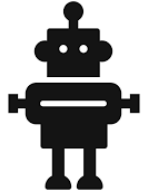


EUROPEAN WEEK OF
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New Challenges for
Europe's Cohesion

AI Adoption Use Cases across different sectors and regions in Europe



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STARWAI



AI4
Copernicus



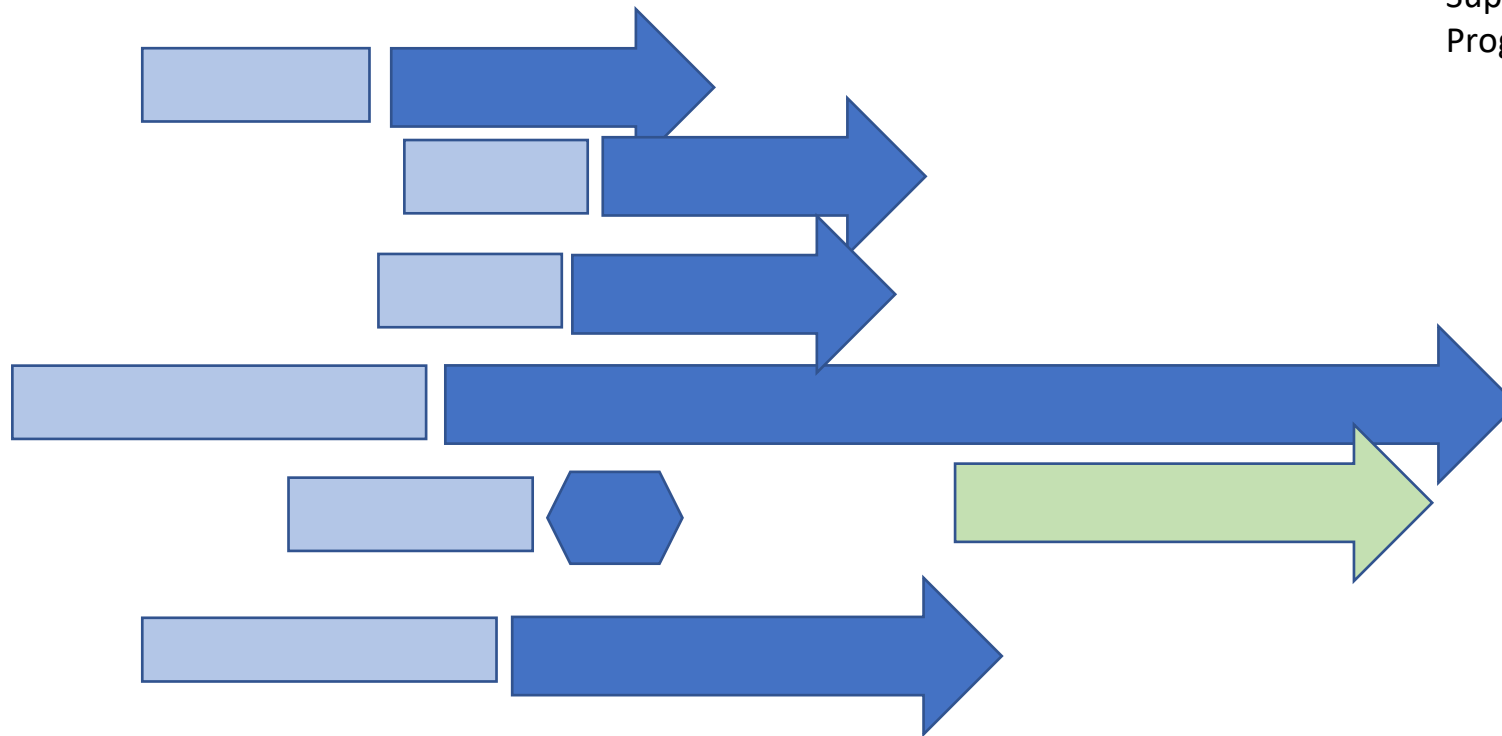
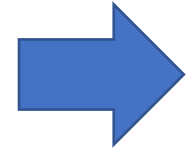
AI Adoption Use Cases across different sectors and regions in Europe

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Open Call



Support
Programme



2021

2022

2023



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STAIRWAY

Beneficiary from: Open Call 1 for Adopters (Nov 21 - Jan 22) for low-tech SMEs from any industry to test and validate AI resources to improve their products, services, or value chains focusing on one of the call-specific challenges.

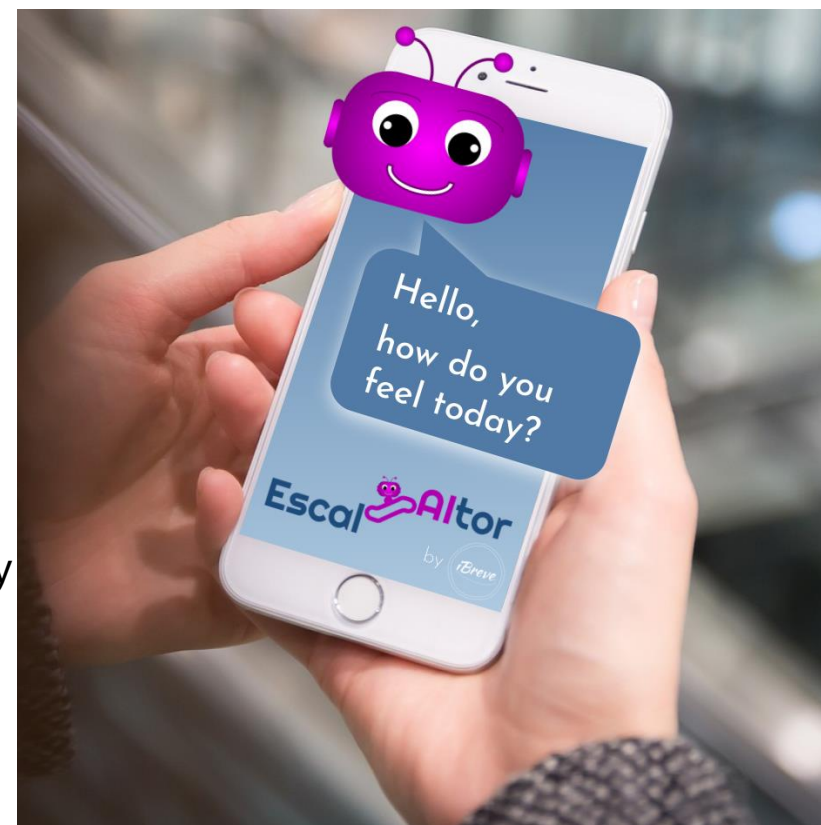
Use Case participant: **iBreve Ltd, Ireland**

Use Case: HEALTH - Chatbots Challenge

EscalAitor: Emotion Sensing Chatbot And Lingual AI Treatment in Oncology Rehabilitation based on lingual analysis & real-time sensing

Funding received: 60.000 EUR, Ongoing Support Programme

Tell us about your experience of applying to funding/open call. How much time you spent on proposal?



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Why have you decided to apply to Open Call?

Beneficiary from: Open Call 2 Use Cases (Nov 21 - Feb 22) for individuals and companies to provide AI Planning use-cases.

Use Case participant: Antoine Marot, Lead AI Scientist at RTE chez RTE Réseau de Transport d'Electricité

Use Case: L2RPN (Learning to run a power network with planning). This use case is in the energy sector. At a time of Energy Transition and Climate Change, AI-based assistant with planning capabilities are urgently needed for human operators to operate the grid with anticipation in this complex world.

Funding Received: : €1500 per use-case to attend a workshop to further develop and specify use-case in the context of AI Planning

Antoine will participate in the next open call for innovators-Track C (Nov 2022). The project will select technology specif bridge (TSB) - developers (organisations and/or individuals) to address his use case.

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He will be funded with 30,000 Eur and the selected company/individual will be with 60,000 Eur.





How participation in I nergy project changed your business?

Beneficiary from:

Open Call 1 Tech Transfer 1 (Nov 21 - Jan 22). Looking for building blocks for new AI algorithms / services and small-scale experiments (Prototypes)

Use Case participant: **Rebase.energy, Sweden**

Use Case: E-ModelOps, the world's first ModelOps platform tailored for energy open source forecasting, optimisation and simulation use-cases it will solve challenges in different domains: AI applications in energy, Data governance and data valorisation for energy services, Analytical applications in energy, Monitoring, energy usage optimization and Demand forecast.

Funding received: 50.000 EUR

Ongoing Support Programme



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What is the role of DIH in execution of your project?

Beneficiary from: DIH4AI 1st Open Call (Sep 2021 – January 2022) for SMEs and DIHs to promote and develop innovative experiments in any AI domain.

Use Case participants: R4P (Italy), MADE s.c.a.r.l (Italy) and Technická univerzita v Košiciach (Slovakia)

Use Case: Boosting **AI vision system for robotics assembly line** through cross regional DIHs cooperation (**DIH_okAI**). Developing an AI algorithm integrated in the machine vision system allowing to boost automated process flexibility, handling larger and heavier components; customizing measuring system configuration in a parametric way on each plant and robot allowing for conformity check; availability, having higher pick availability. Enhanced manufacturing process competitiveness delivering an innovative AI vision system for robotics assembly line leveraging cross regional DIH L-BEST services



Funding received: 100.000 EUR, ongoing support programme.

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What kind of help and support
AI4C provided you on the
technical side?

Beneficiary from: AI4C 1st Round of Open Calls (Jun- Sept) 2021 for developing and testing AI technical solutions that address industrial challenges by exploiting AI resources and Earth Observation Data.

Use Case participants: **SOLAIS and Transvalor, France**

Use Case: SLIDE: Satellite Images Prediction with Deep Learning.

Forecasting solar irradiation for the 4 hours to come, based on satellite imagery, is challenging using traditional cloud motion methods. Increasing performance of this short-term forecast using Deep Learning is particularly important for the management of energy system and the same operation of the power grid.

Funding received: up to € 120.000€ (2-partner consortia)

Ongoing: will be concluded in July 2023

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Beneficiary from: Open Call 1 for AI Talents, (Sep 21 - Nov 21) demonstrate the capacity to execute the AI model training (Data Science), AI development and integration tasks with resources and services available through Bonseyes Marketplace.

Use Case participants: **Elif Lab, Italy**

Use Case: Robotics sector, AVOID (Collision Avoidance). Developing an artificial intelligence solution that could allow the onboard camera input of an autonomous vehicle, drone or robot to be used to estimate the probability of collision with obstacles during the navigation and to autonomously activate the right indications (action and steering angle) in order to avoid these obstacles and continue the navigation safely.

Funding received: 70.000 EUR, Finished in July 22

Now as you finished the support programme, what are your plans with the AI Solution developed?



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Next:



Mayte Carracedo

*Co-founder & Partnerships
and Business Development
Manager at FundingBox*

**New Challenges for
Europe's Cohesion**

Introduction to:

**DIHs role as n AI
Adoption channel.**

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