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PRESS RELEASE

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AI ACTION SUMMIT : “CONVERGENCE AI” CHALLENGES REVEAL !

Ahead of the AI Action Summit, scheduled to take place in Paris on February 10th and 11th 2025, Bruno Bonnell, Secretary-General for Investment in charge of France 2030 and Anne Bouverot, Special Envoy of the French President for the AI Summit, have announced the 35 selected “Convergence AI” challenge leaders. These challenges have been chosen based on their ability to solve concrete problems across the globe thanks to AI.

The selected challenges have proven their ability to introduce innovative approaches to AI that address current global issues while fostering international ecosystems around shared, large-scale goals. The AI Action Summit, hosted by France on February 10 and 11 2025, will highlight the tangible outcomes of these challenges.

SIX THEMATIC CHALLENGES TO ADDRESS CRITICAL CURRENT ISSUES

The challenges focus on AI will address the following areas of interest:

- Health and Life Sciences
- Skills and Jobs of the Future
- Climate Adaptation and Agriculture
- Culture, Information, and Democracy
- Inclusion
- The Fundamentals of AI (components, data, models, evaluation)

These ambitious challenges reflect a shared momentum among global innovation ecosystems. They will be undertaken in Ethiopia, Côte d’Ivoire, Morocco, India, the United States, Canada, the United Kingdom, Poland, Denmark, Germany, and France.

All these challenges aim to harness and leverage the potential of AI to transform key sectors of our societies by:

- **Preparing the future of R&D** in areas such as chemistry or material science. Through **predictive modeling**, AI can discover new materials, new medicines, and new molecules. The selected challenges aim to significantly accelerate development processes while precisely fine-tuning their properties for specific applications. By pushing the frontiers of polymer science, for instance, some challenges aspire to create previously inaccessible molecular architectures. These advancements are set to catalyze innovation across multiple industries, from food production to medicine.
- **Revolutionizing healthcare** by imagining automated hematology diagnostics, solutions to prevent cardiovascular diseases, methods to detect serious illnesses in newborns, and enabling individuals to regain sight through the development of an artificial retina.
- **Accelerating climate goals** through smart platforms to better manage flooding, improve sustainable agricultural practices, protect our biodiversity, and monitor air quality in real time.
- **Strengthening democracies and promoting inclusion**, notably through tools such as real-time sign language translation, deepfake detection, and the preservation of cultural heritage through 3D modeling.

These initiatives all demonstrate how AI can not only improve everyday life but also pave the way for a fairer, more sustainable future.

Leader	Challenge	Web site
HEALTH AND LIFE SCIENCES		
Health Data Hub	Cytologia : develop an AI tool to automate the diagnosis of pathologies in biological hematology	
HEC Paris and American Heart Association	HeartAI: Transforming Cardiovascular Disease Prevention with AI	
ArtPark	Medical Imaging and Information Datasets (MIDAS)	
Institut du Cerveau en coopération avec l'APHP	Newborn Neuro Digital, neonatal asphyxia detection	https://institutducerveau.org
Owkin en partenariat avec Servier	AI for GBM Hackathon	https://www.owkin.com/connect/ai-for-gbm-hackathon-pre-registration
Prophesee	Most advanced neuromorphic vision system	
Synboli	Pushing the Limits of Materials with AI-Designed Polymers	www.synboli.com
SKILLS AND JOBS OF THE FUTURE		
EdTech France et DemoES	AI at the Service of Educational Performance	https://edtechfrance.notion.site/defi-ia-education-sommet
Probabl	Data Science for Impact: AI Skills Competition for the Public Sector	https://hello.probabl.ai/ai-action-summit-2024-scikit-learn-certification-challenge
CLIMATE ADAPTATION AND AGRICULTURE		
La Ferme Digitale		

With	Ethiopia Artificial Intelligence Institute	GAIA (Generative Artificial Intelligence for Agriculture)	
	CocoVeto		
Joint European Disruptive Initiative (JEDI)		JEDI Agri Carbon Tracker – JEDI ACT	https://www.jedi.foundation/AgriCarbonTrackerChallenge
CivicDataLab (CDL)		Intelligent Data Solution for Disaster Risk Reduction (IDS-DRR)	https://civicaldata.in/work/climateaction/
Oberon Sciences		Aerotape	
Natural Solutions		AI for biodiversity	
InstaDeep		Geospatial tools fueled by AI to solve climate adaptations in Africa	
CULTURE, INFORMATION, AND DEMOCRACY			
INA INRIA BnF		Snoop	
Solaya		AI-powered 3D Modeling for Cultural Heritage Preservation	https://www.solaya.ai/
Yinovise		AI Music Preservation & Performance Challenge	https://yinovise.com/
MagicLemp		Défi HERMES (High-Efficiency Real-time Media Evaluation System)	https://magic-lemp.com/
OCDE IEEE, AI Commons et UNESCO		The Global AI Trust Challenge	https://globalchallenge.ai/
Laboratoire de Systèmes d'Information Répartis à l'EPFL		Simulation and automated mediation of controversial debates with Large Language Models	
INCLUSION			
Migam		Hear us - écoutez-nous	https://migam.org/en/
THE FUNDAMENTALS OF AI			
HuggingFace		Frugal AI Challenge	https://frugalaichallenge.org/
Hugging Face, Cohere, Meta, Carnegie Mellon University, Salesforce		AI Energy Score	https://huggingface.co/spaces/AIEnergyScore/2024_Leaderboard
PrismEval		GenAI Red-Teaming Leaderboard	www.prism-eval.ai
German Federal Agency for Disruptive Innovation		AI Composite Learning	https://www.sprind.org/en/impulses/challenges/composite-learning
Shark Robotics		Disruptive unmanned firefighting system	https://www.shark-robotics.com
Bunka		Optimizing Human-Data Interaction: Developing AI Systems to Support Decision-Making in the Era of Massive-Scale Information	https://www.bunka.ai/
IRIT, AI Cluster « ANITI »		NLP an inspiration and a challenge	

Pasqal	The Blaise Pascal Quantum Challenge : Combining Quantum AI for Sustainable Innovation	https://www.agorize.com/en/challenges/blaise-pascal-quantum-challenge-2025
Apollo Research	Developing test suite to evaluate whether frontier Large Language Models have the capability to deceive	https://www.apolloresearch.ai/
NyBerMan Bioinformatics Europe	AI-Driven Enzyme Optimisation Platform for Producing High-Value Alternative Sugars	www.nyberman.com
Confiance.ai	Internationalization of Confiance.AI	
Open Source Alliance	Uniting global Open Source communities to shape the future of software freedom	
Direction interministérielle du numérique (DINUM) - Incubateur ALLiance	GenAI Hackathon for Public Good	https://alliance.numerique.gouv.fr/ai-action-summit/

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ABOUT FRANCE 2030

- ✓ **Has a dual ambition:** to sustainably transform key sectors of our economy (health, energy, automotive, aerospace, and space industries) through technological innovation, and to position France not just as a participant, but as a leader in shaping the world of tomorrow. From fundamental research to the emergence of an idea and the production of a new product or service, France 2030 supports the entire innovation lifecycle up to its industrialization.
- ✓ **Is unprecedented in scale:** €54 billion will be invested to ensure that our businesses, universities, and research organizations successfully navigate transitions in these strategic industries. The goal: to enable them to respond competitively to the ecological and attractiveness challenges of the future and to foster the emergence of future leaders in our fields of excellence. France 2030 is defined by two overarching objectives: dedicating 50% of its expenditures to decarbonizing the economy and 50% to emerging actors driving innovation, without any spending detrimental to the environment (in line with the "Do No Significant Harm" principle).
- ✓ **Is implemented collectively:** designed and deployed in consultation with economic, academic, local, and European stakeholders to define strategic directions and flagship actions. Project leaders are invited to submit their proposals through open, rigorous, and selective procedures to benefit from State support.

- ✓ **Is overseen by the General Secretariat for Investment** on behalf of the Prime Minister and implemented by the French Agency for Ecological Transition (ADEME), the National Research Agency (ANR), Bpifrance, and the Bank of Territories.

For more information: france2030.gouv.fr | [@SGPI_avenir](https://twitter.com/SGPI_avenir)