AI Sovereignty

How Can Artificial Intelligence Change the World for the Better?

Daniel Dobos
12. Nov. 2026



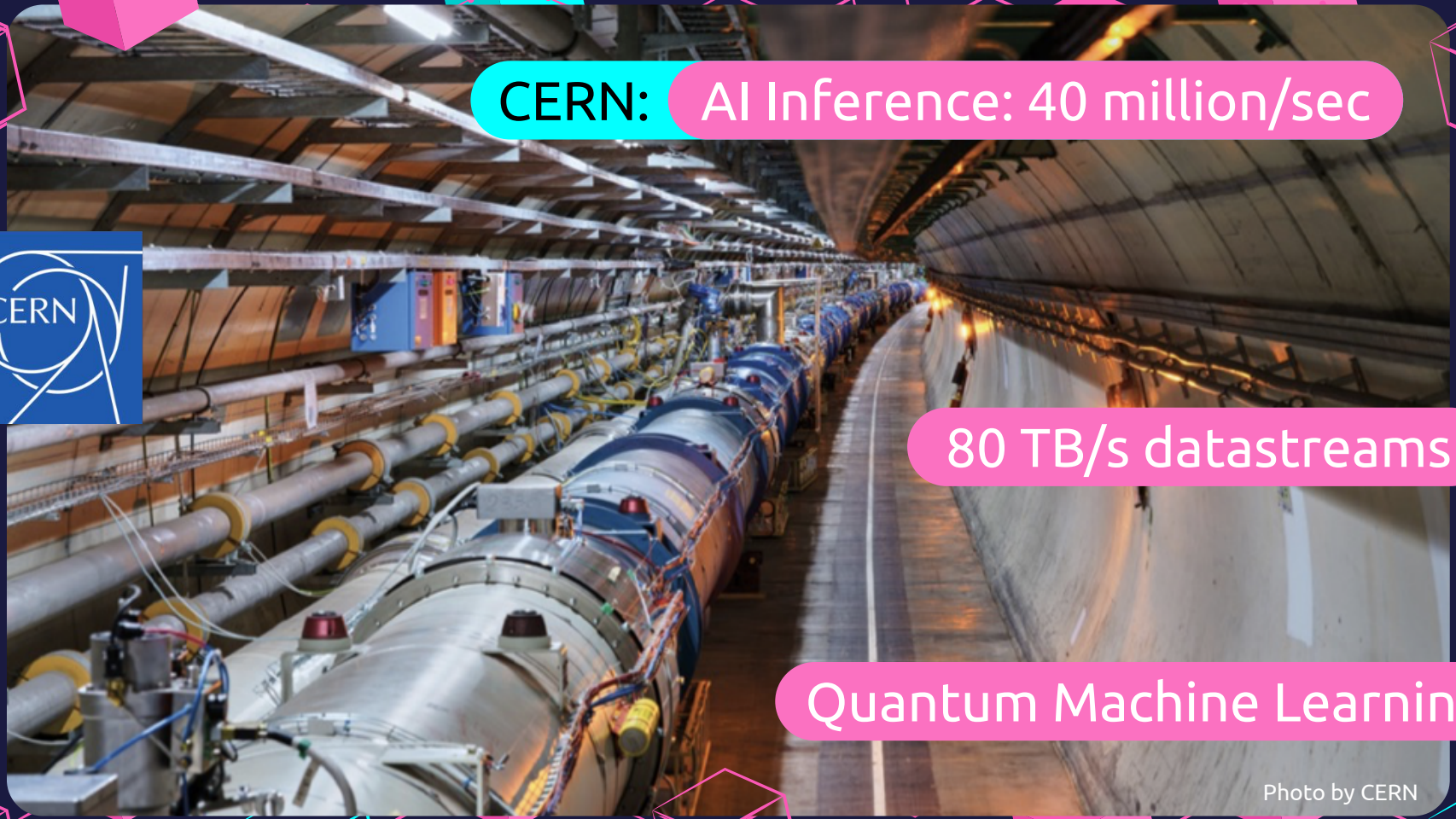

Photo by Pparl, Wikipedia



AI generated, Image by StockCake



Photo by Federal government of the United States


CERN:
AI Inference: 40 million/sec
CERN
80 TB/s datastreams
Quantum Machine Learning
Photo by CERN

THE Port: Humanitarian Hackathons at CERN

Interdisziplinary teams

International Organisation’s challenges



Photo by THE Port, CERN

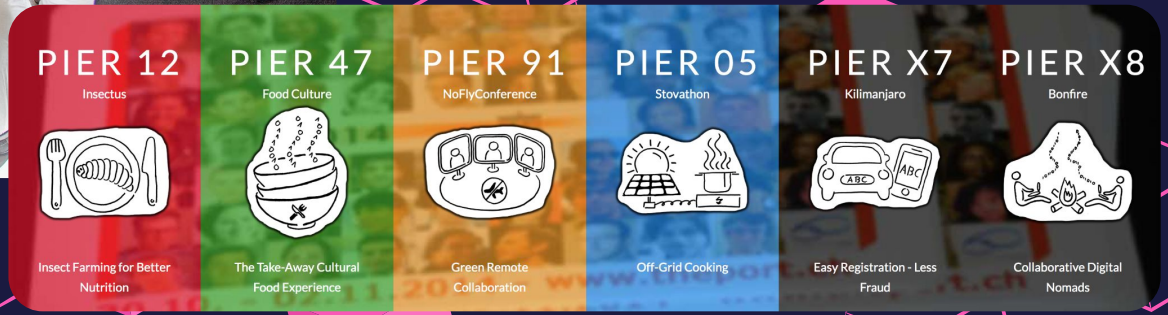
THE Port: Humanitarian Hackathons at CERN

www.theport.ch

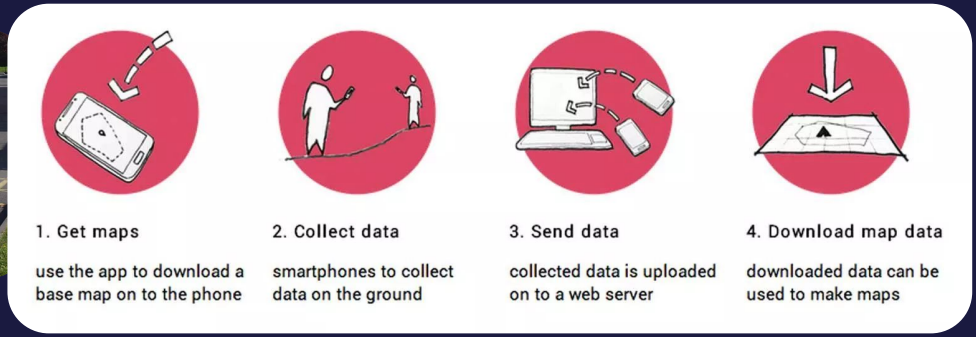






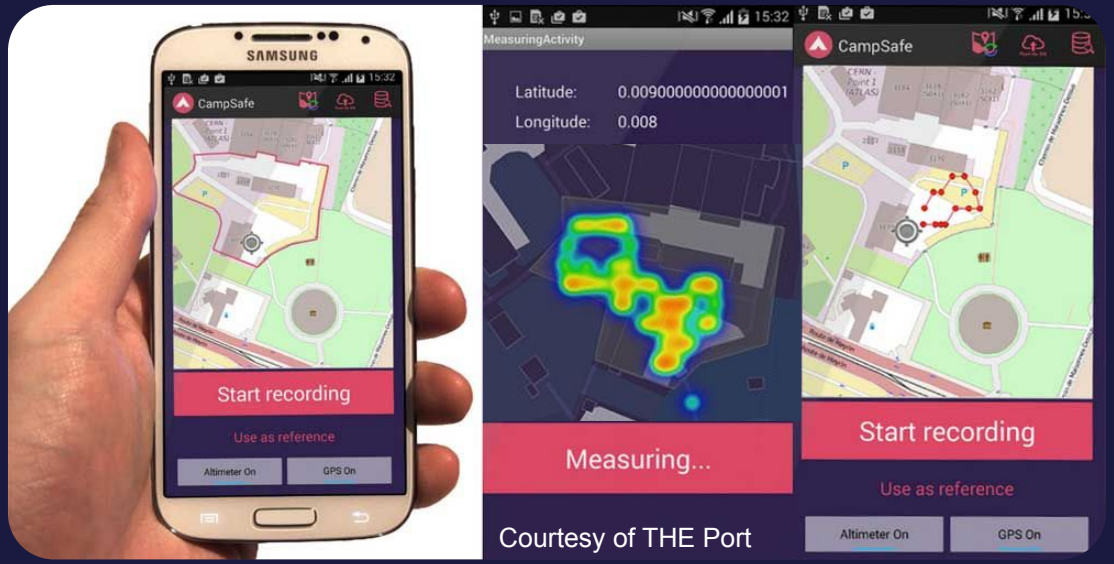






2014 - Project CaSa

The **determination of safe, accessible, and usable locations for refugee camps** is paramount to the success of the camp. While viable locations can be investigated with field surveys by persons in the field or with the rather costly use of satellite technology, it is vital to have a **precise understanding of the elevation** of the terrain to ensure the camps will be **free from natural dangers such as flooding**.

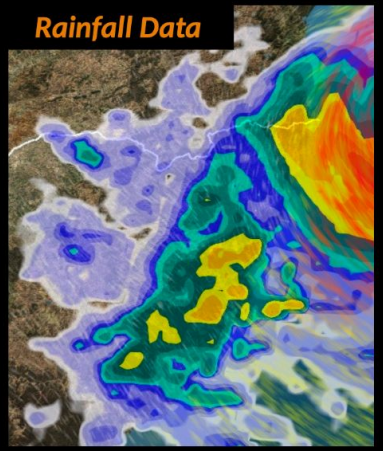


Courtesy of THE Port

2026 - AI Accelerated Global Flooding Simulation

REOR20

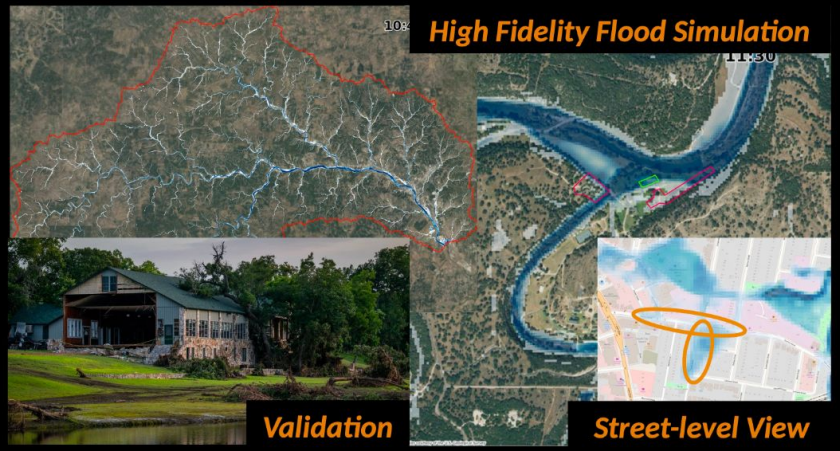
The first physics trained AI engine to simulate flood anywhere at anytime



DeepWater

Powered by. REOR20





Alert 18h before rainfall

On-demand & Global

1 GPU & < 3' min

No Hardware, no Historical Data needed

1500 km² simulated with depth and momentum over 12h

Results in Minutes

10 m Resolution Depth and Momentum

Courtesy of REOR20

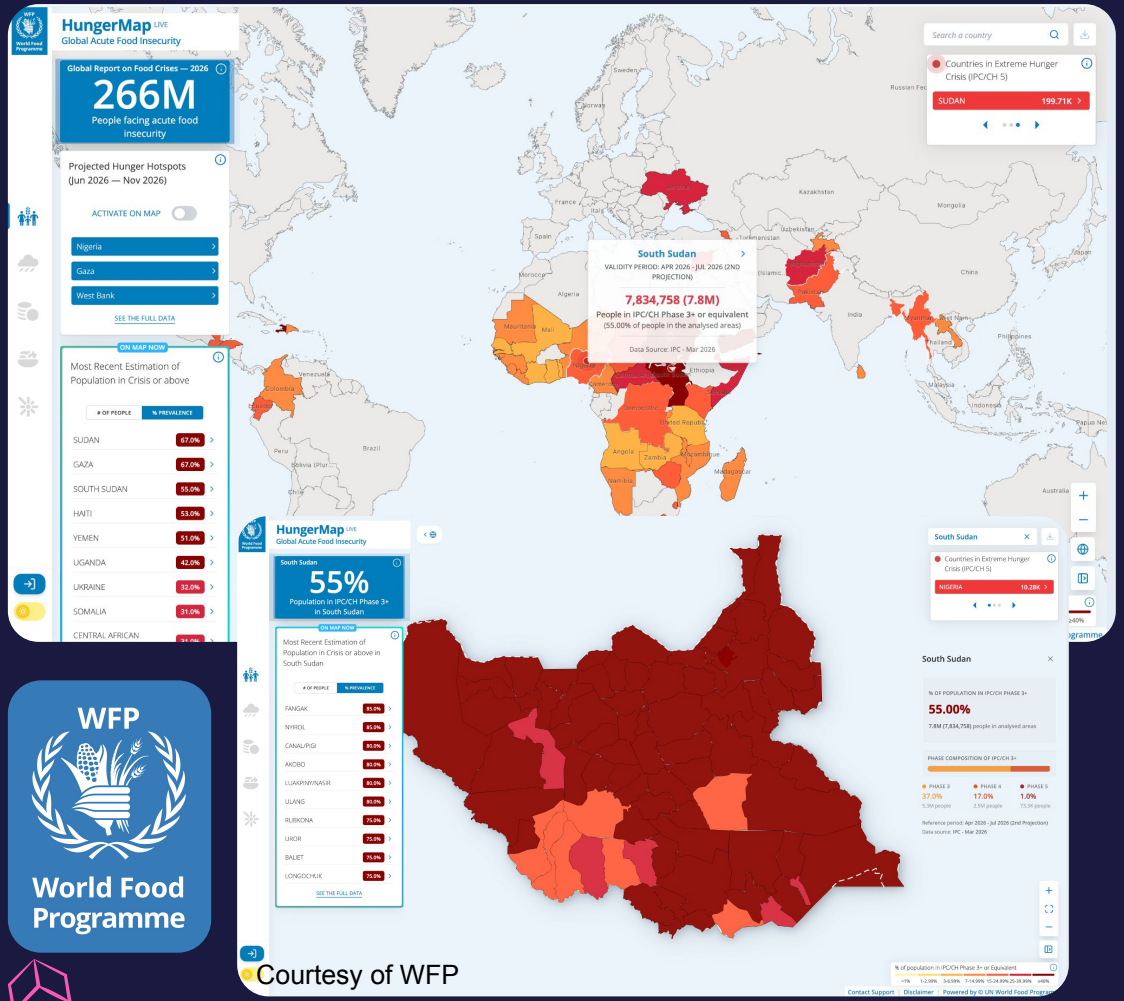
UN: Strategic AI Foresight

UNOPS

Global Humanitarian Labs



Photo by UNOG Geneva



Courtesy of WFP

HungerMap Live

HungerMap LIVE is WFP's **global hunger monitoring system** — tracking food security across 95+ countries in near real-time. Powered by **machine learning** and **near real-time data**, it helps decision-makers identify emerging food crises and respond faster to save lives.

Food insecurity — global acute food insecurity levels and trends

Climate hazards — floods, droughts, and storms affecting food access

Economic shocks — inflation, currency trends, and food prices

Nutrition — dietary micronutrient inadequacy across populations

Conflict — population exposure to conflict events and violence


AI for Good
ITU: AI For Good
using these. Anthropomorphic metaphors in your speech. Where does that come from?
It comes from the very language and culture that created me.
17,000+ participants
1,000+ speaker



Innovate for Impact



AI Readiness

AI for Good

Impact Initiative Projects



Robotics for Good Youth Challenge



Young AI Leaders Community



AI Skills Coalition

Driving meaningful change

The AI for Good Impact Initiative is our collective intention to **drive meaningful change through the implementation** of RESOLUTION 214 (BUCHAREST, 2022)'Artificial Intelligence technologies and telecommunications/ICTs' and **build a network of supporters to help fund and resource** our AI for Good activities globally.



Innovation Factory



AI/ML in 5G Challenge



AI for Good Sandbox

aiforgood.itu.int/impact-initiative

An ICU for every newborn



AI for Good

Nemocare Raksha

A n**on-invasive AI-powered wearable** that continuously **tracks 6 vital signs** (oxygen saturation, heart rate & HRV, respiration, temperature, perfusion index) and flags neonatal sepsis and distress early via a central dashboard.



Photo by AI For Good

nemocare

Winner of AI for Good Innovation Factory India 2025 and a Grand Finale finalist

Targets India's ~400,000 annual newborn deaths; turns any hospital bed into an ICU-grade monitoring environment for resource-limited settings.

Backed by Google & the Gates Foundation.

www.nemocare.in

Winner of the AI for Good Innovation Factory 2025

MamaMate (Ele-vate AI Africa)

Small solar/USB-powered **AI gadget for first-time mothers in rural areas** — works offline, **speaks local languages** (Swahili, Zulu, Arabic), **tracks baby care**, gives **culturally relevant advice**, and checks in on mental well-being.

www.ele-vate.co.za/mamamate



ELE-VATE





$25–40/unit.

Winner of the AI for Good Innovation Factory 2026

"AI-powered fintech platform that makes digital payments more accessible, affordable, and efficient for businesses across Africa."



www.nearpays.com

AI for Good

Nearpays



Photo by AI For Good

Nearpays

AI-powered fintech focused on financial inclusion across Africa. The company has built a SoftPOS solution that turns ordinary smartphones into payment acceptance devices, eliminating the cost of traditional point-of-sale terminals for small businesses and informal merchants


ROAD TO
GENEVA
AI SUMMIT
21–22 JUNE 2027
Swiss
{ai} Weeks
Drive AI adoption in Switzerland
www.ai-weeks.ch
#makeAIright

We established a nationwide dialog

Swiss {ai} Weeks

5 Weeks of National Reach

- 33 cities across Switzerland (37+ @2026)
- 154 partners involved (220+ @2026)
- 240 events organized

Community and awareness

- 4'150 participants
- from zero to 4'400 LinkedIn followers

Innovation in Action

- 15 hackathons held in 11 cities
- 140 prototypes
- 40 Apertus validations with ETH Zürich and EPFL
- 93% rated us highly satisfactory

Public recognition

- SRF Tagesschau, 10 vor 10, RSI and 3sat
- official address by Federal Councillor Rösti



Fully Open Foundation Model for Sovereign AI
Developed by the Swiss AI Initiative as a collaborative effort between EPFL, ETH Zurich, and CSCS. Open weights, open data, open science.

Swiss {ai} Weeks

APERTVS

www.apertus-ai.org

1.5

Swiss fully open models become more useful in practice: multimodal input, reasoning, longer context, and better instruction following

EPFL ETH zürich CSCS

Apertus 1.5 8B
Apertus 1.5 70B

Public AI


Swiss {ai} Weeks
Thanks Team !


Swiss {ai} Weeks


6 Challenges
01
AXA Legal Assistance
Rechtliche Beratung für Privatpersonen
Tough
02
Swiss Government RAG
Konsistente Rechtsauskunft
Tougher
03
Aussendienst-Assistent
Challenging
04
05
Marketing Assistent
Content-Generierung für KMUs
Good Start
06
ZHAW
Good Start
BotWerkstatt
Challenge 2
Schweizer Eidg.: Tritt nicht in die Falle


Swiss {ai} Weeks
Stato e prospettive dell'AI in Ticino

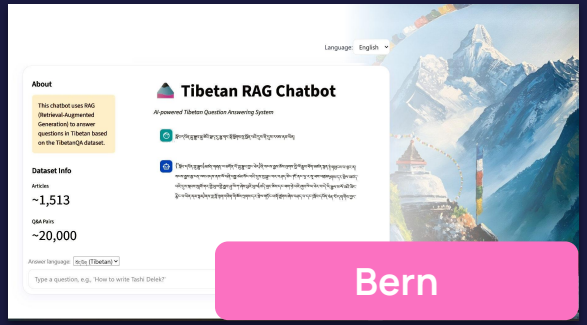
Over 150 partner joined the movement (>220 in 2026)

Swiss {ai} Weeks

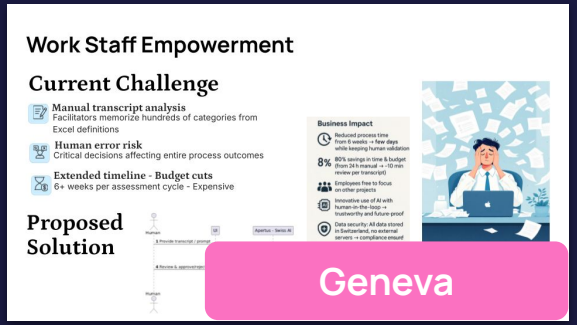


15 hackathons delivered tangible results

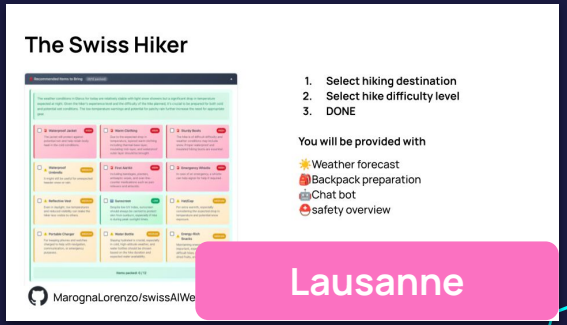
Swiss {ai} Weeks



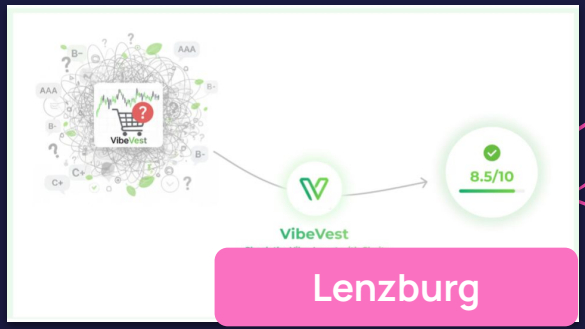
Bern



Geneva



Lausanne



Lenzburg



Zurich



Brugg-Windisch

www.plusx.ai

AI+X SUMMIT



AI Global Dialogue on AI Governance
6–7 July 2026
Geneva, Switzerland



"For the first time, every country has a seat on the table." - UN Secretary-General António Guterres







UN: Independent International Scientific Panel on AI

”**The world cannot govern what it cannot understand.** The Panel’s report provides independent science, drawn from every region, and available to every government.” - UN Secretary-General António Guterres

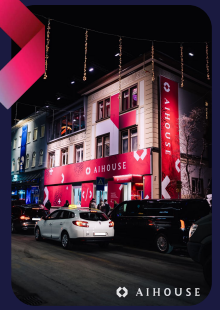


”**Policymakers** seeking to shape this governance **face an evidence dilemma**: they **need evidence to make informed consequential governance decisions**, but by the time the evidence exists, it might be too late to make them, as the **evidence lags behind the pace of AI development.**”

AIHOUSE

From dialogue to action, shaping responsible AI at scale.





The AI House is a non-profit multi-stakeholder platform for visionary dialogue and collaboration on key questions shaping the next frontier in AI. Represented by the AI House Association, we unite leaders, governments, and researchers on neutral ground to co-create an inclusive, aspirational path for human potential.



www.aihousedavos.com

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GENEVA AI SUMMIT

21 – 22 JUNE 2027

will bring the global conversation on AI to the heart of multilateralism.



www.genevaaisummit.swiss



- Explore the challenges of AI
- Meet industry leaders
- Discover innovative projects

The largest global AI conference:

🇬🇧 2023 - Bletchley Park, UK - hosted by Rishi Sunak

🇰🇷 2024 - Seoul, Korea - hosted by Yoon Suk Yeol

🇫🇷 2025 - Paris, France - hosted by Emmanuel Macron

🇮🇳 2026 - New Delhi, India - hosted by Narendra Modi

🇨🇭 2027 - Geneva, CH - hosted by Albert Rösti and Ignazio Cassis


The Choice
is Yours
Take it consciously

Contact Me

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