

Delivering AI for Climate Action in Developing Countries

AI Driven Climate Solutions

23 April 2026, Climate Week Yeosu

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Global Green Growth Institute



HAVE YOU FIGURED
OUT HOW AI WILL
IMPACT OUR
BUSINESS?



WORKING
ON IT.



How will AI impact
our business?



There are many ways
that AI can impact

TOM
FISH
BURNE

GGGI has secured 18.5 billion in investment commitments.

Total Green Investment Commitments Mobilized
18.5 billion

Private
10 billion

Public
8.5 billion

Sustainable Finance
14.4 billion

Infrastructure Finance
3.8 billion



605

advisory outputs on green growth investments delivered

GGGI delivered results in over **50 countries**,

helping governments and communities transition to sustainable and economic growth.



1,032

advisory outputs on green growth policies delivered



303

green growth policies adopted

7.3 million

people to be provided with access to sustainable waste management



3,429

capacity-building sessions delivered



8.3 million

people to be provided with access to clean energy

496

projects have explicit impact, outcome for gender equality and/or women's empowerment

59 million

people to be supported to cope with the effects of climate change

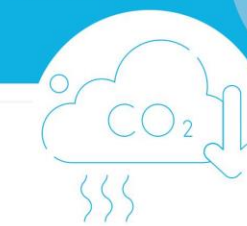


428

projects have explicit poverty-related impact and outcomes

1,282

knowledge products published



540 million

tCO₂e to be reduced



21 million

hectares of sustainably managed natural capital



2.8 million

green jobs to be created

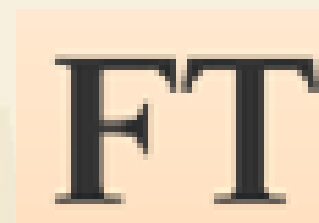


Andreas Galatoulas

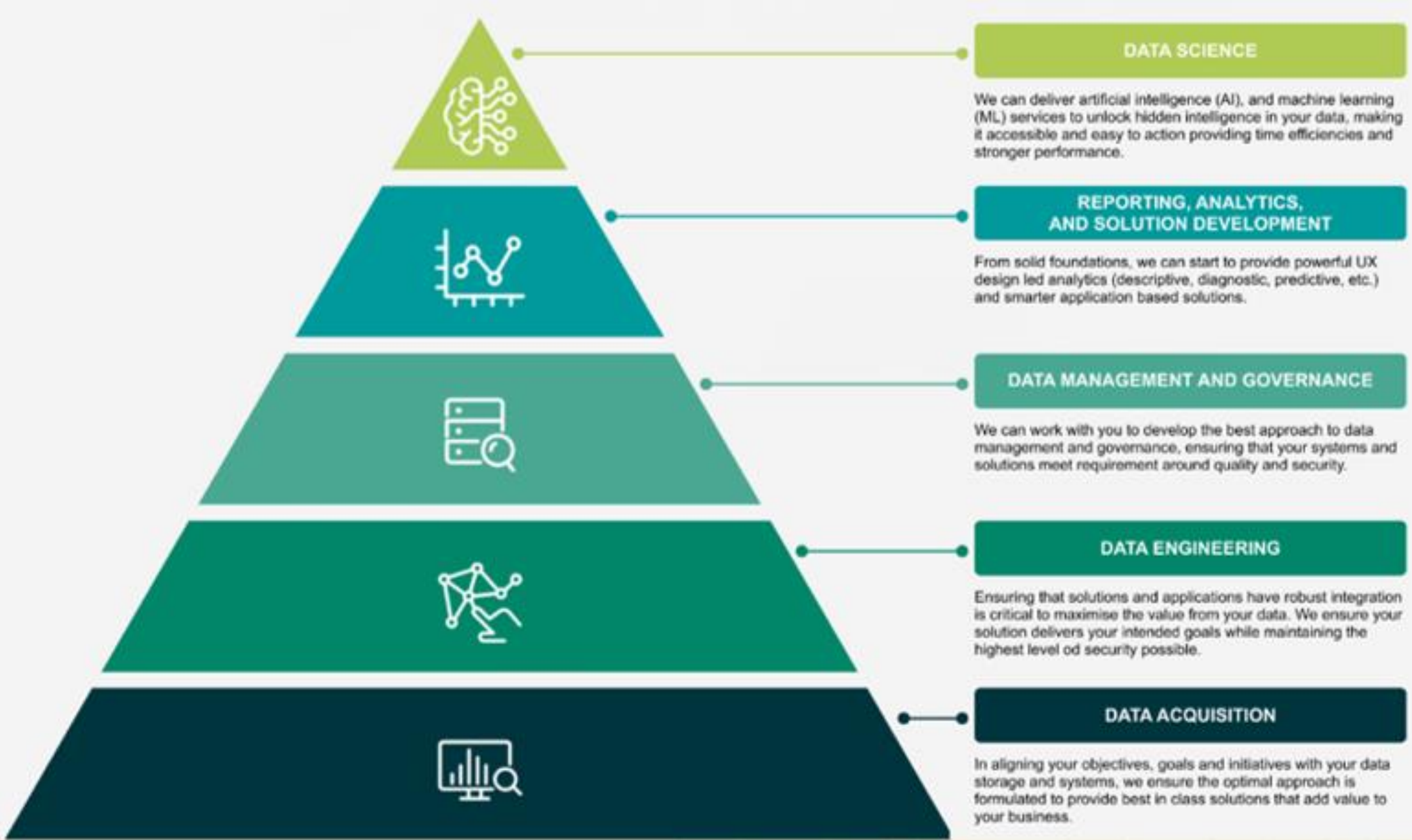
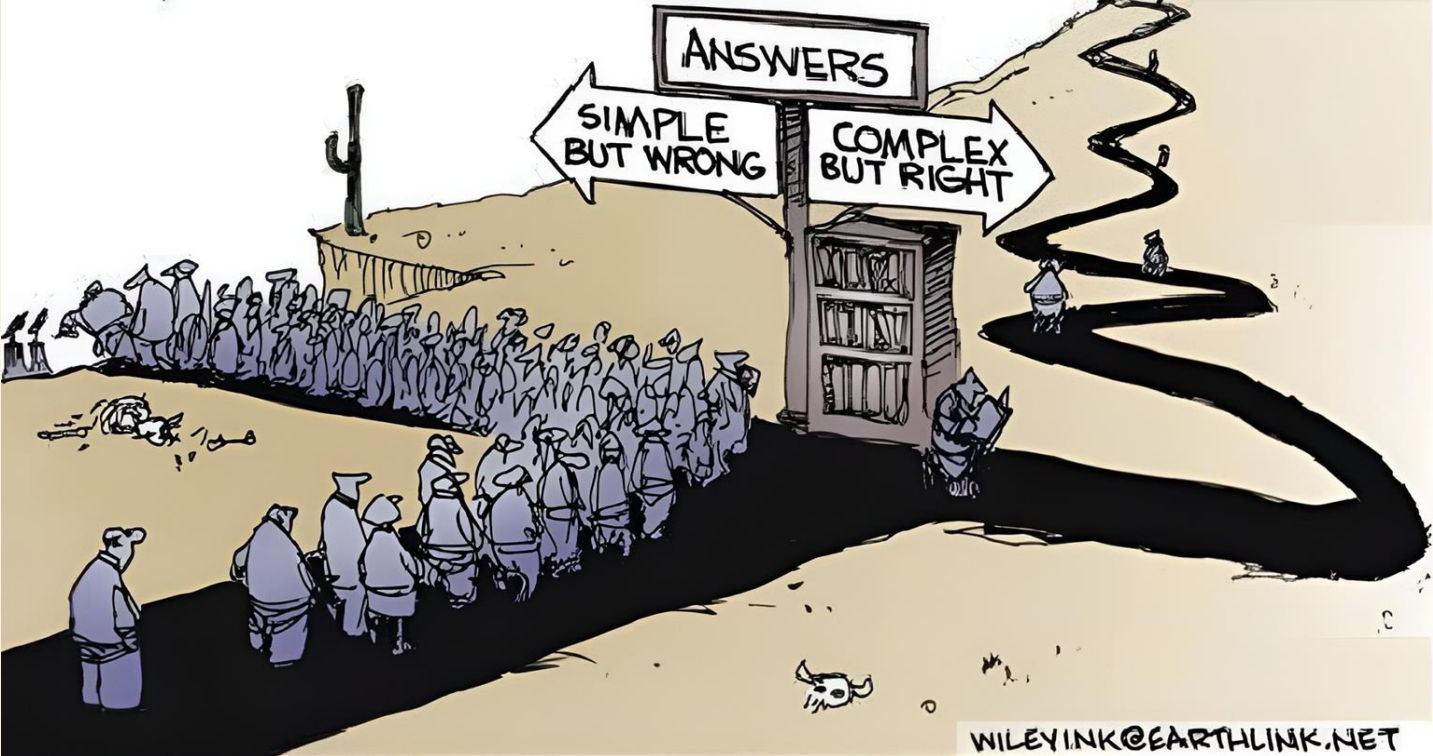
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Pearson



Innovation = discipline + humility + domain knowledge



AI in Action

Early warning systems in Ecuador

When Storm Strikes , Minutes Matter

In Ecuador, extreme weather events intensify in minutes — leaving communities with no time to prepare, no time to evacuate, and no time to protect critical services.

01



The Threat

Severe thunderstorms, heavy rains, hail and wind gusts can escalate without warning, giving communities minutes — not hours — to respond.

02



The impact

Flash floods, mass movements and landslides cut off roads, power, hospitals and clean water — hitting the most vulnerable hardest.

03



The problem

The data existed. Satellites, sensors, weather stations. But no system could process it fast enough to issue warnings before the damage was done.

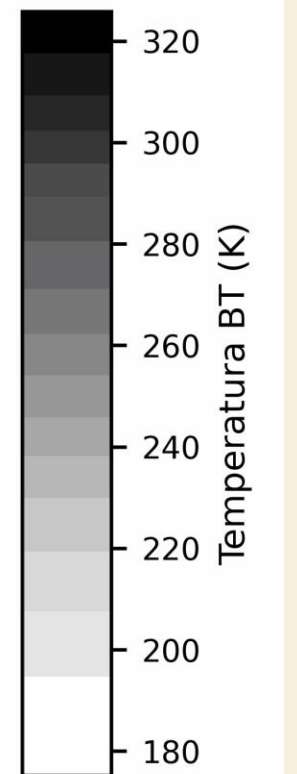
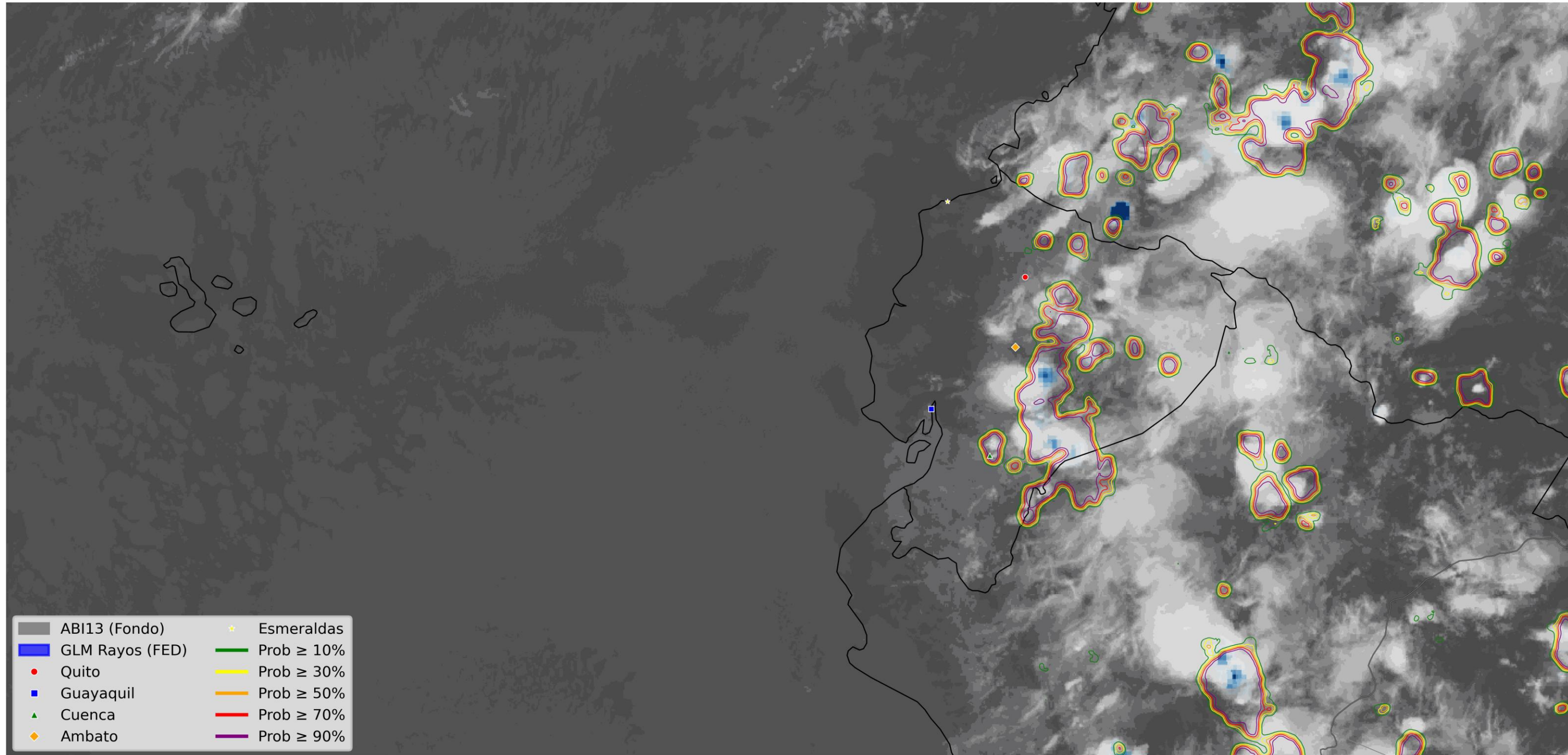
04



The Solution

GGGI built an AI nowcasting system with INAMHI that predicts extreme events 60 minutes in advance — turning data into time, and time into lives saved.

Nowcasting - 2025-10-15 19:00 ECT



Scaling AI

New Frontier Group

Cities + AI - What's Next

Something is coming. We are building a new initiative that connects cities, technology partners and funders around AI-powered urban climate solutions. It is not launched yet — but if you want to be part of shaping it, find me after this session.



Thank you.

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