

Lina Zuluaga Ocampo

Colombia

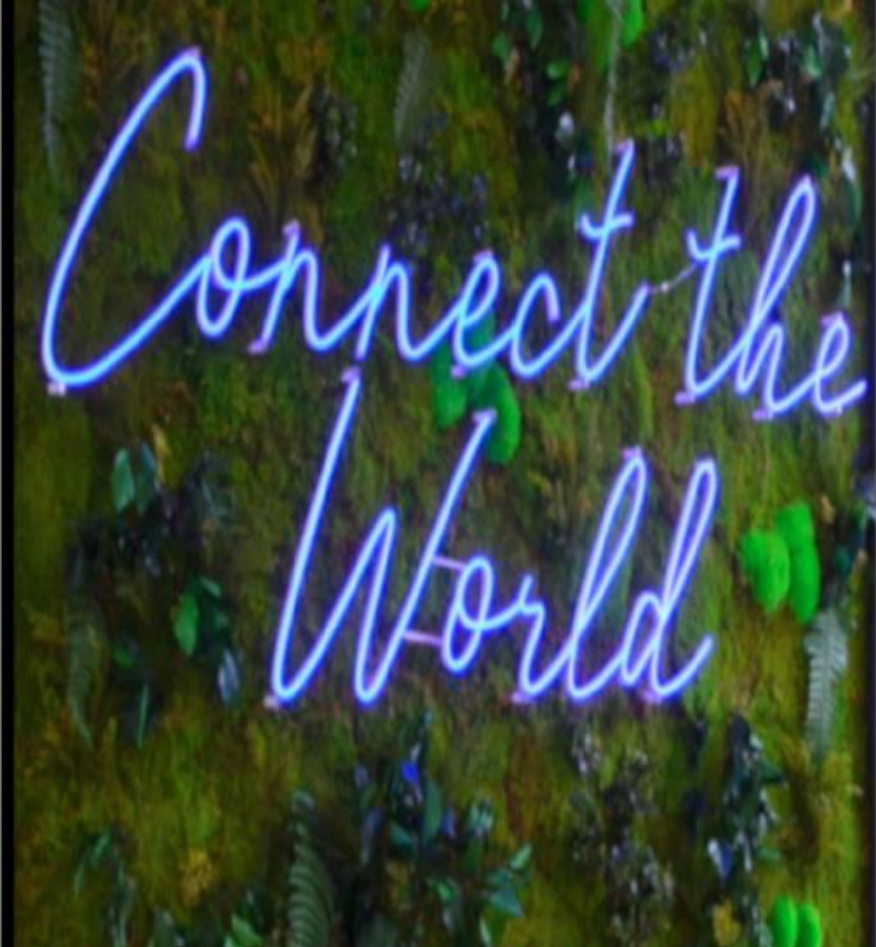
Georgetown University

Data Wise Coach at Harvard University

Former Vice-chair of the AIGO – AI Working Party at OECD 2023-2024

Chair LATAM SG5- ITU-T

ANE, International Advisor



Doreen Bogdan-Martin

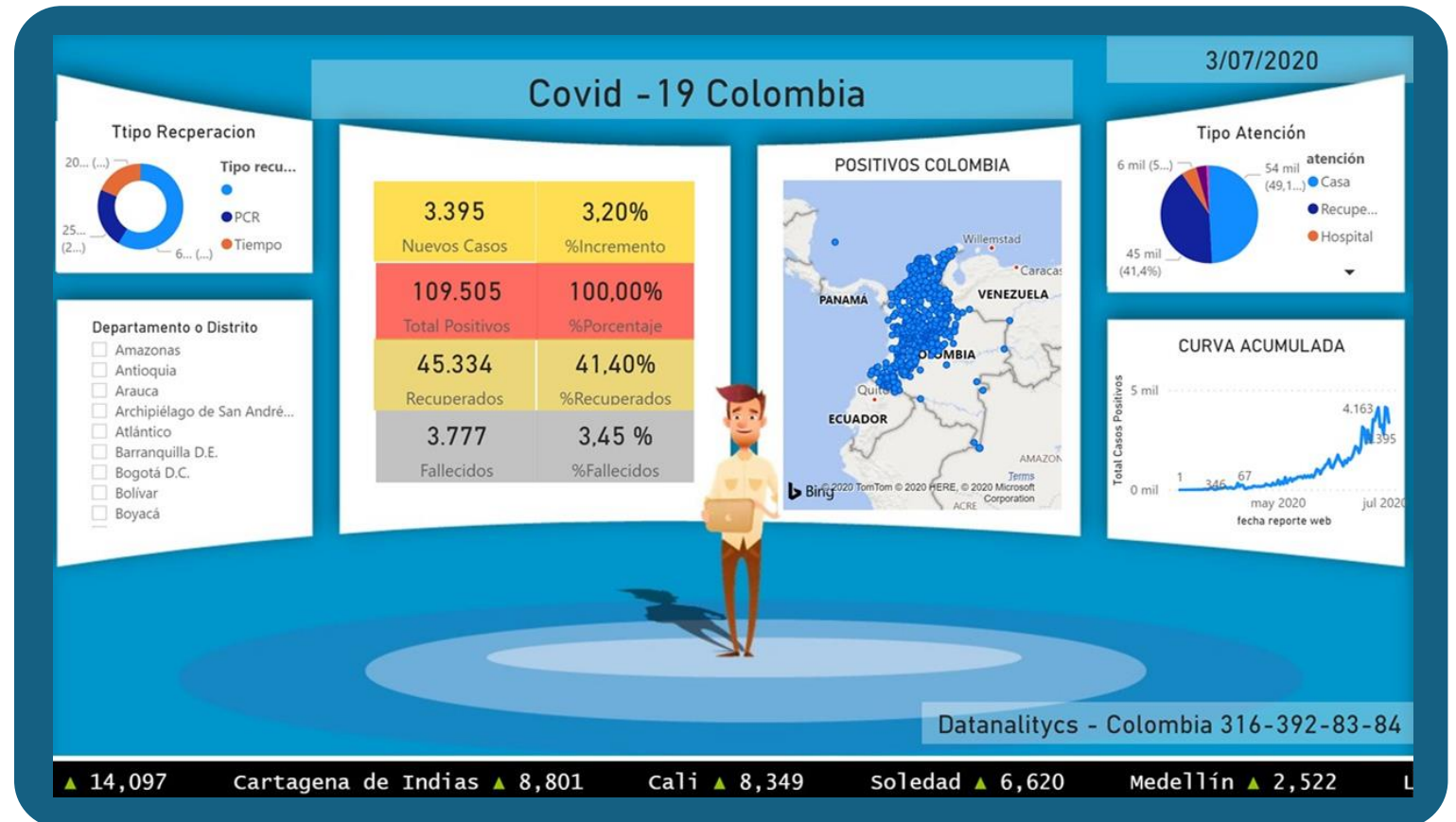
<https://youtu.be/nG3CBR5yubw>

According to FAO,
in 2022, between 691 and
783 million people suffered
Hunger.





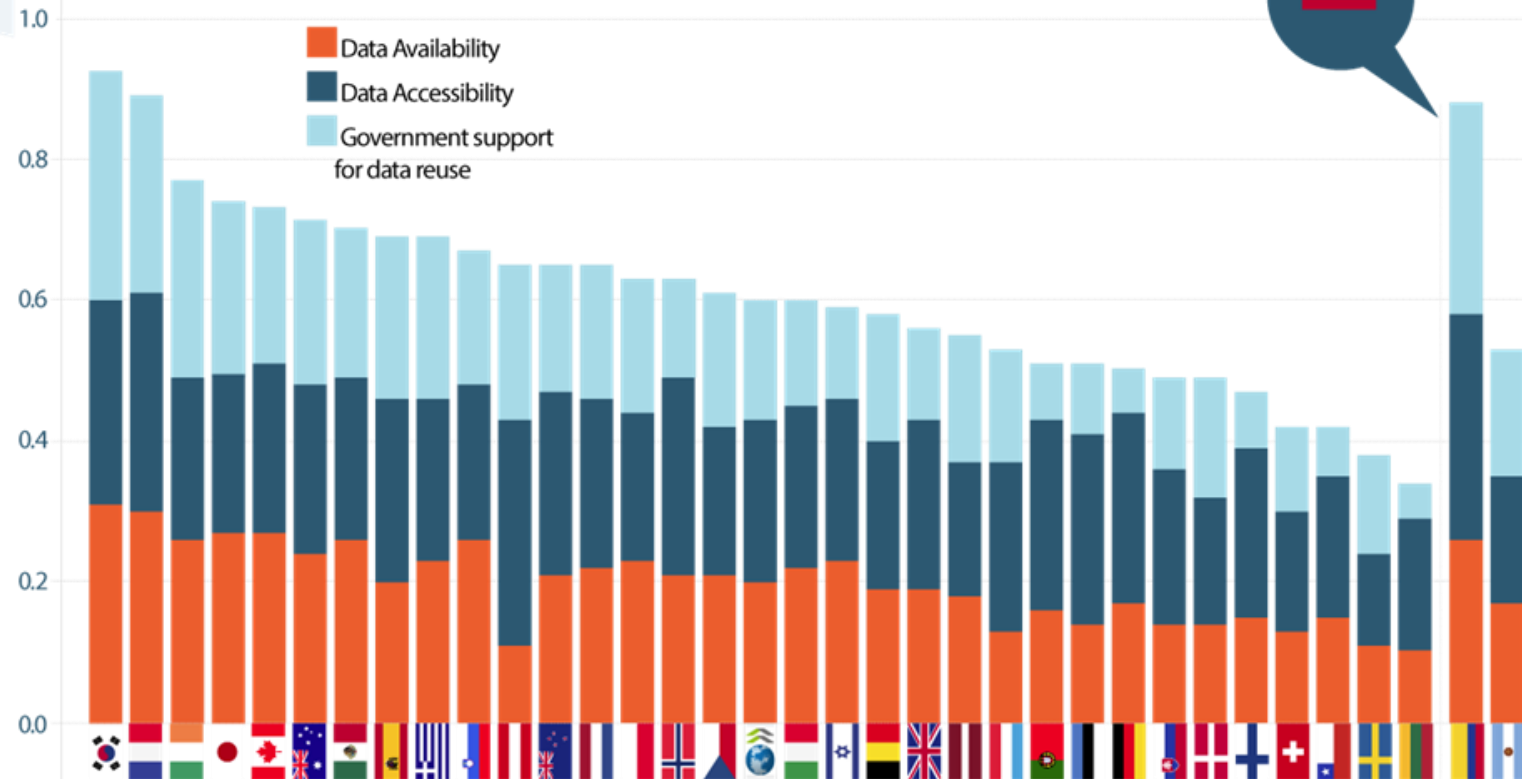
Colombia was the first
**country in Latin
 America** to publish
 open government data
 of **COVID 19**


▲ 14,097
Cartagena de Indias ▲ 8,801
Cali ▲ 8,349
Soledad ▲ 6,620
Medellín ▲ 2,522



Colombia

OECD OURdata Index: 2019



Governance for Open Government Data

Institutional
Governance

Policy Framework

Legal and Regulatory
instruments

What type of OGD in Colombia are available for this kind of solution?



Instituto de Hidrología, Metrología y Estudios Ambientales

- Wind Direction and Speed
- Precipitation
- Maximum and minimum air temperature



Unidad de Planificación Rural Agropecuaria

- Agricultural exports
- Production chains
- Crop suitability zoning



Agricultura

Ministerio de Agricultura

- Crop yields in Colombia by year
- Harvested areas per crop
- Agricultural Assessments



Corporación Colombiana de Investigación Agropecuaria

- Soil analysis databases
- Characterisation of pests, diseases and beneficial organisms of an agricultural commodity

AgrodatAI, transforming the colombian countryside with AI

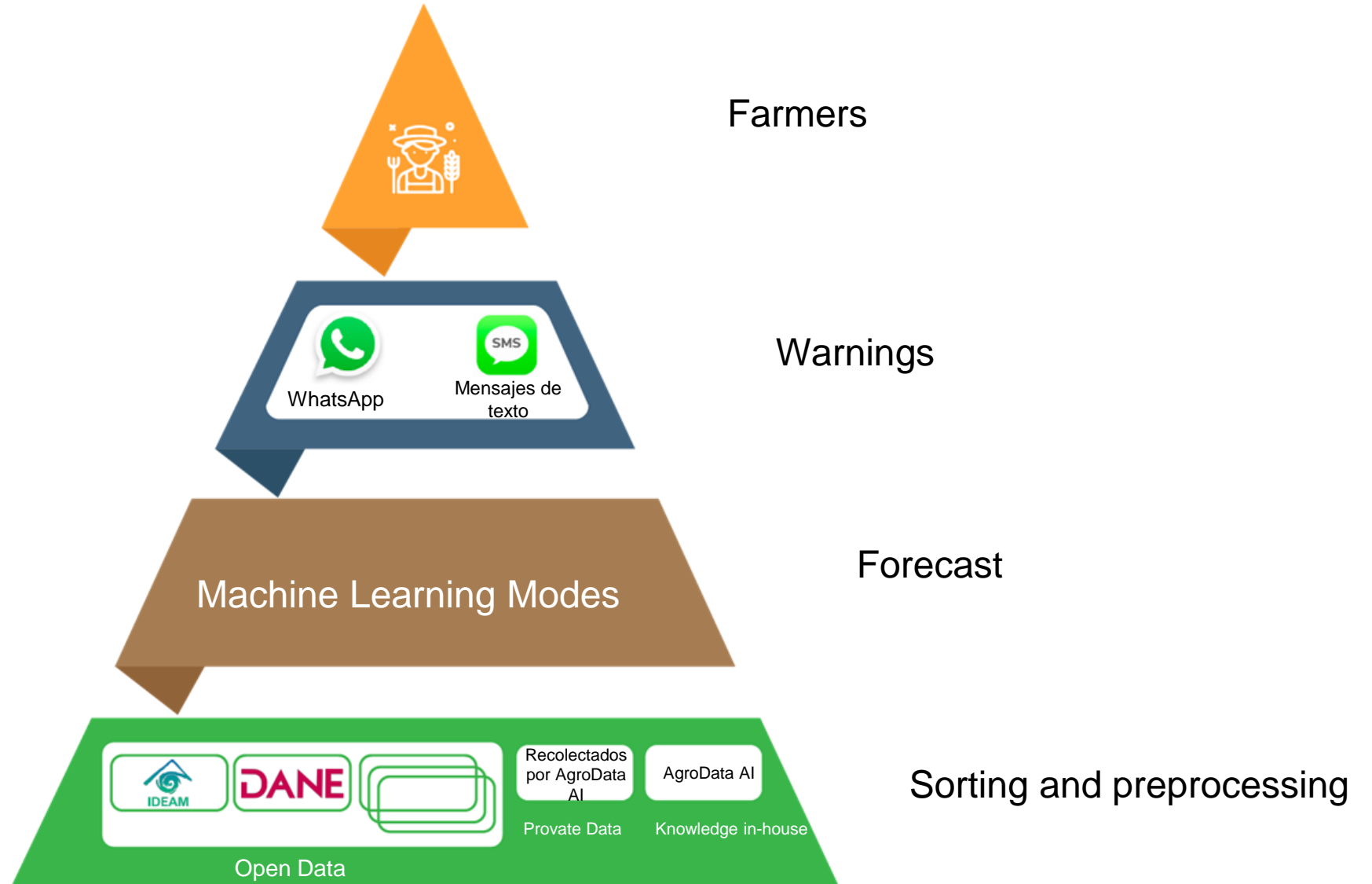
Hola, soy Don Tulio
tu asesor agropecuario.

 agrodatAi

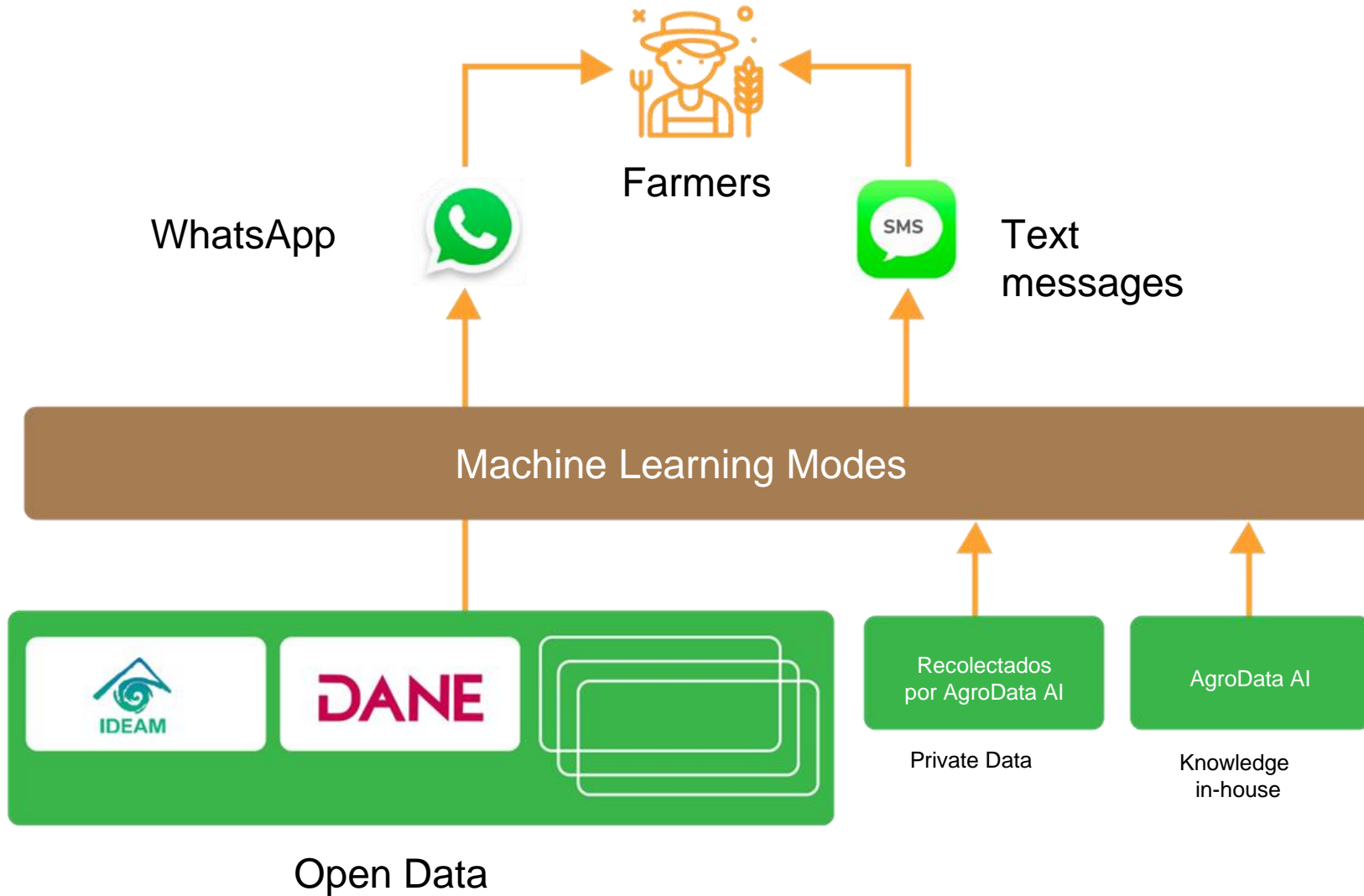
Don Tulio, a virtual farmer chatbot that accompanies primary producers via SMS and WhatsApp providing information on crop management, agricultural finance, access to credit and agricultural insurance.




AgrodatAI, transforming the colombian countryside with AI



AgrodatAI, transforming the colombian countryside with AI





A close-up photograph of two hands sorting through a large pile of interlocking puzzle pieces. The pieces are primarily blue, with some purple and pink pieces visible. The hands are positioned over the pile, with fingers reaching in to select or move pieces. The background is a plain, light-colored surface.

Lack
of interoperability,
quality, and data
standardization

Lack of **digital abilities**
in the countryside



On la trouvait plutôt jolie - Extrait gratuit

François garda espoir quand Bamby acheva de déboutonner sa chemise, quand elle frôla son corps avec son corps, quand elle l'effleura de son odeur. Ce n'était qu'un jeu. Plus excitant encore !

Qu'est-ce que pouvait lui vouloir cette petite ? Il n'avait rien à se reprocher. Il ne possédait pas plus de 200 euros sur lui. Le faire chanter ? Elle pouvait bien courir ! Maintenant que Mélanie et Hugo étaient majeurs, ça lui fournirait plutôt un prétexte pour quitter Solène. Il était presque parvenu à se rassurer, à apprécier de se retrouver ainsi à la merci de cette fille sublime. A quarante-neuf ans, il ne se mettait plus jamais en danger, il avait atteint ce si sécurisant point d'équilibre... quand il ressentit la douleur dans son bras.

Une piqûre ! Dans une veine. Cette salope lui avait injecté quelque chose dans le sang !

François paniqua, tira sur les membranes, hésita à hurler, même s'il savait que ces foutues chambres étaient capitonées, isolées pour que les amants puissent cohabiter sans perturber l'intensité de leurs jouissances. Et à la réflexion, Bamby ne lui avait rien injecté. Il avait simplement senti... une aspiration. Cette fille lui avait fait une prise de sang !

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Disjointed
projects



AI policy landscape in Colombia

AI with
social
purpose

- Inter-institutional Table on Artificial Intelligence
- AI Roadmap Policy
- MinTIC AI Laboratory/Delivery Unit/ Colombia Minciencias

Recent International efforts led by Colombia

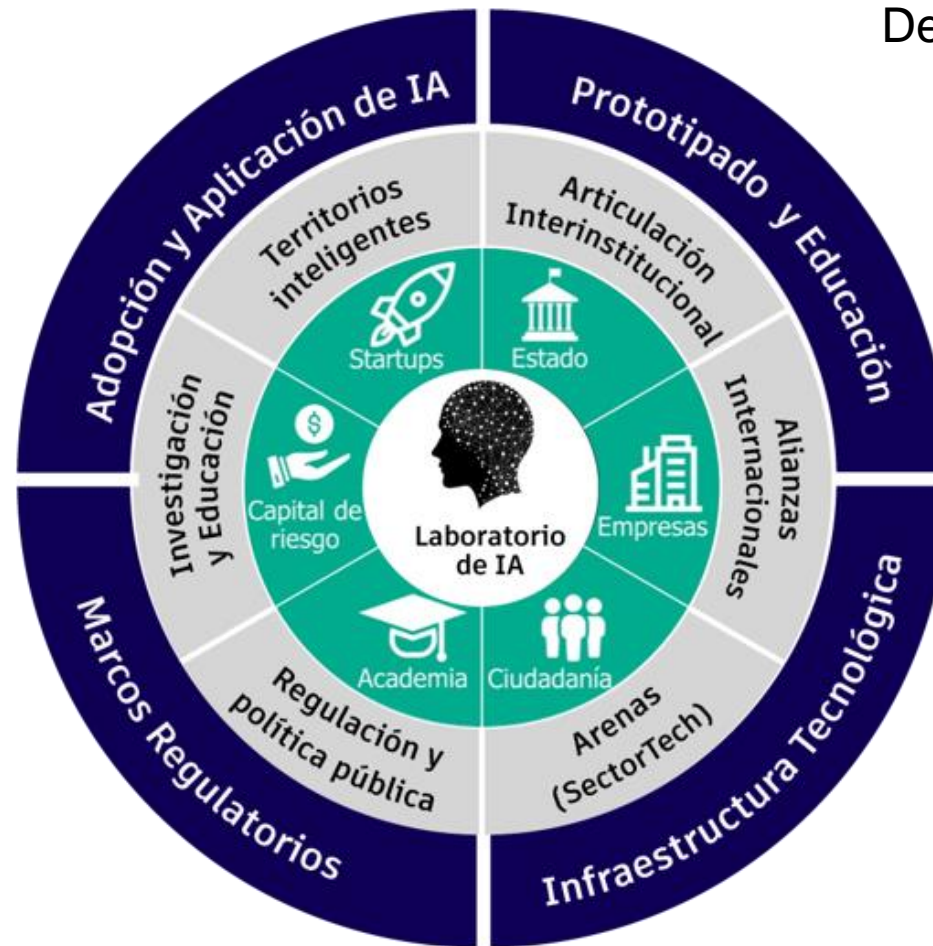
▶ **OAS / 41 MEETING OF THE PERMANENT EXECUTIVE COMMITTEE OF CITEL (COM/CITEL)**
November 1 to 3, 2023

- Decision: **PCC.I to study, evaluate, and propose inputs, policies, plans and measures that contribute to the development of best practices and strategies for the adoption of AI within the region**
- Decision: **Open Data Infrastructure Project for Agriculture and Climate in the Americas**

▶ **WTSA - India** - Resolution 73 – Information and communication technologies, environment, climate change and circular economy

AI policy landscape in Colombia

Ministry of ICT - AI
Laboratory
Delivery Unit



AI policy landscape in Colombia

Índice Latinoamericano
de Inteligencia Artificial



Colombia

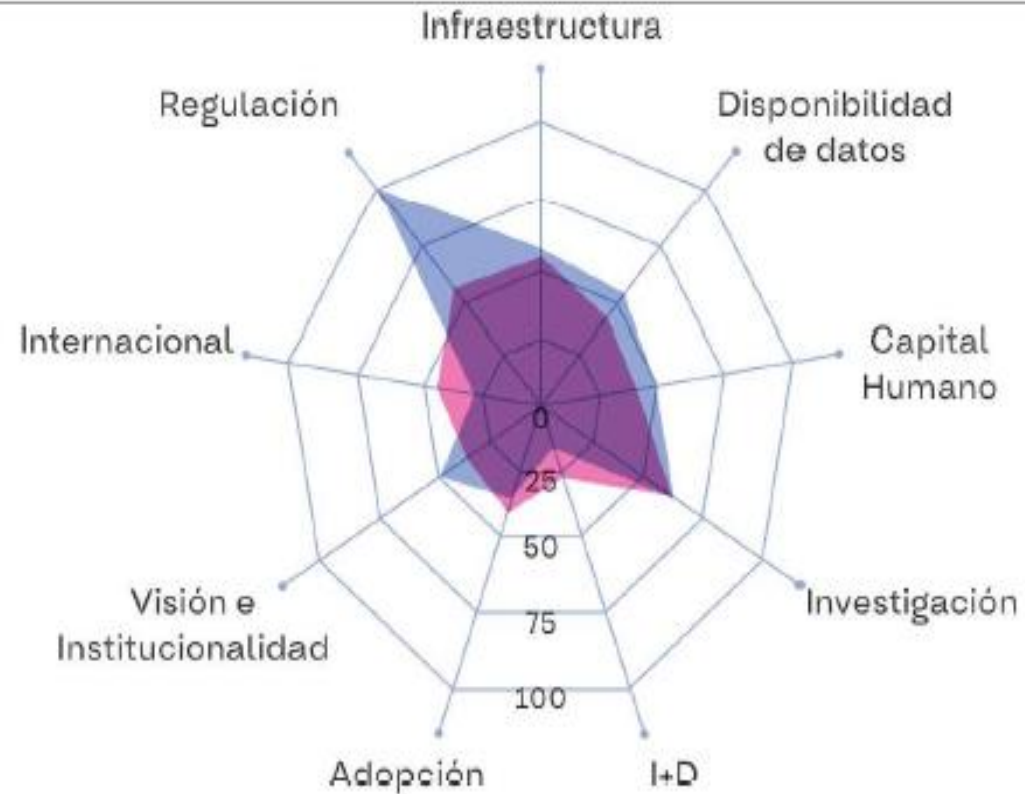
Puntaje del Índice **47,62**

Ranking **6**

Colombia



Latam





Join us:
Scientist, satellites, AI with
focus on food security and
planet sustainability:

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Impact of AI on the environment

SUCCESS · CLIMATE CHANGE

AI doesn't just require tons of electric power. It also guzzles enormous sums of water.

BY JANE THIER

September 23, 2024 at 2:44 PM EDT



CLIMATE

AI already uses as much energy as a small country. It's only the beginning.

The energy needed to support data storage is expected to double by 2026. You can do something to stop it.

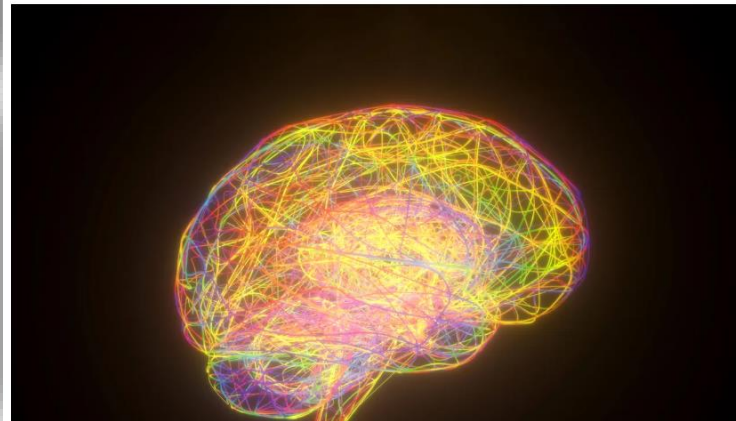
by Brian Calvert

Mar 28, 2024, 8:00 AM EDT



AI's Energy Demands Are Out of Control. Welcome to the Internet's Hyper-Consumption Era

Generative artificial intelligence tools, now part of the everyday user experience online, are causing stress on local power grids and mass water evaporation.



MIT
Technology
Review

SIGN IN

SUBSCRIBE



CLIMATE CHANGE AND ENERGY

AI is an energy hog. This is what it means for climate change.

How worried should we be about AI's effects on the grid?

By Casey Crownhart

May 23, 2024

21 SEP 2024 | STORY | ENVIRONMENT UNDER REVIEW

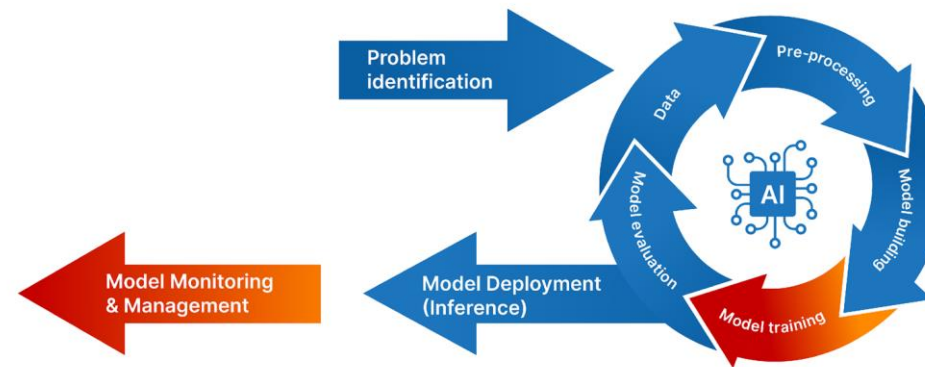
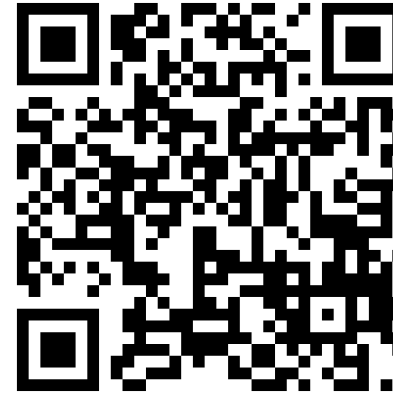
AI has an environmental problem. Here's what the world can do about that.

SciencePhoto Library via AFP



AI and the environment

This report addresses the intersection of AI and environmental sustainability, emphasizing the importance of international standards in guiding the ICT industry.



Artificial intelligence life cycle



Ongoing work on AI and Environment

L.FCC

Energy consumption management and optimization platform Framework for cloud computing

●○○

L.TR_TA_GC

Testing and Assessment method of Green Computing Power

○○●

L.Env_DC

Guidelines on Multi-Dimensional Environmental Metrics and Management for Data Centres

○○●

L.IEDL

Energy saving strategy for deep learning computing

●○○

L.MM_Computing_power

Computing power efficiency matrix and measurement methodology

○○○

L.CFSP

Guidelines for the assessment of the carbon footprint of Software products

○○●

L.ClimAI:

Guidelines for Assessing the Impact of Artificial Intelligence on Environment

L.S_AI:

Recommendation for the design of Environmentally Sustainable AI-based and XR-based Systems

L.DLEE:

Deep Learning Computing Energy Efficiency Evaluation Framework and Metrics



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[SG5: Environment, climate
change and circular economy](#)