

# OECD's work on AI With a view on COVID-19

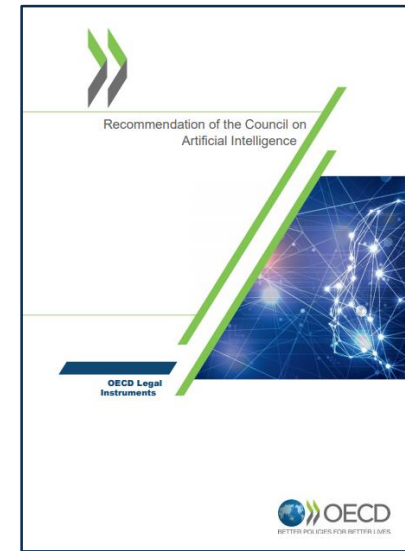
Webinar:

*“Artificial Intelligence in the time of COVID-19:  
Insights for Latin America and the Caribbean”*

Karine Perset  
Administrator, OECD.AI  
5 November 2020

- OECD AI Principles
- Implementation efforts
  - OECD AI Policy Observatory (OECD.AI)
  - OECD Network of Experts on AI (ONE AI)
  - The AI Wonk
- COVID-19 resources

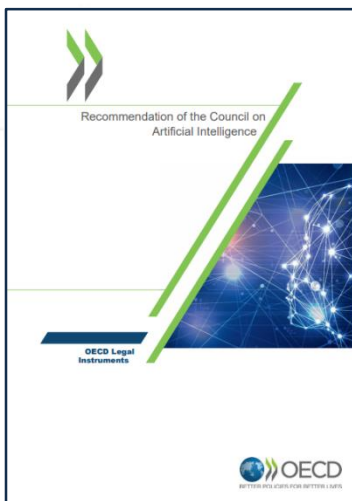
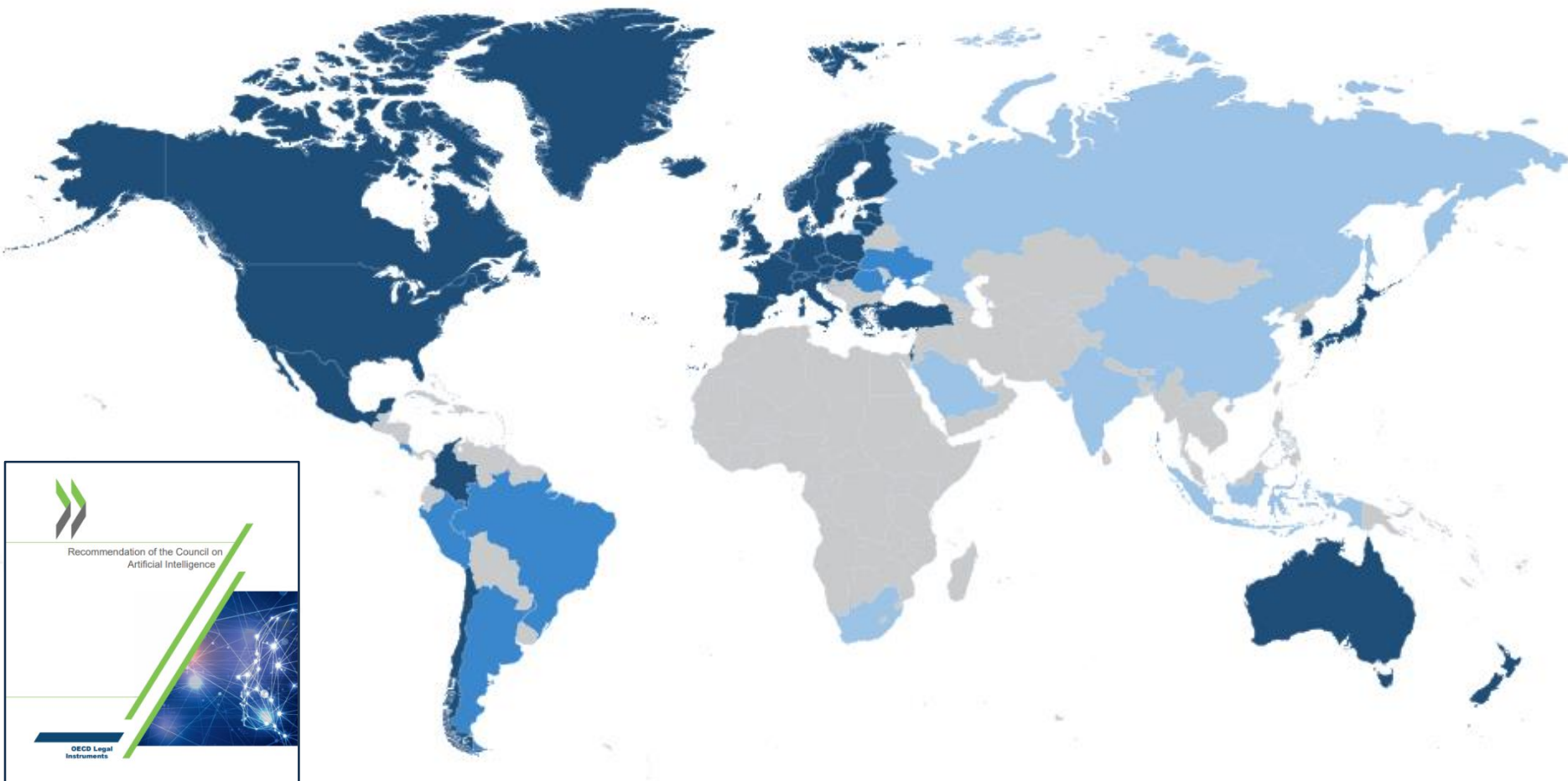
- Goal: foster policy ecosystem for trustworthy AI that benefits people and planet.
- Inter-governmental standard. Adopted May 2019 by 37 OECD + 7 partner countries. Same as G20 AI Principles approved June 2019.
- Non-binding yet strong political commitment to implement & OECD monitoring.





# Governments that have adhered to the OECD or G20 AI principles

■ OECD members   ■ Adherents   ■ G20 principles, based on OECD



## 10 Principles for Trustworthy AI, covering two areas:

### **Values-based principles**

Socio-economic & environmental benefits

Human rights, privacy, fairness

Transparency, explainability

Robustness, security, safety

Accountability

### **National Policies**

Investing in research

Data, compute, technologies

Enabling policy environment

Jobs, skills, transitions

International cooperation

***To realise the full promise of AI to combat COVID-19, AI systems should be aligned with the OECD AI Principles***

## OECD Network of Experts on AI (*ONE AI*)

Guidance on  
policies for AI



## Global Partnership on AI (*GPAI*)

Research & applied  
AI experiments



## OECD Global Parliamentary group on AI (*GPN AI*)

AI legislative hub



**AI  
Principles**

OECD.AI Policy Observatory

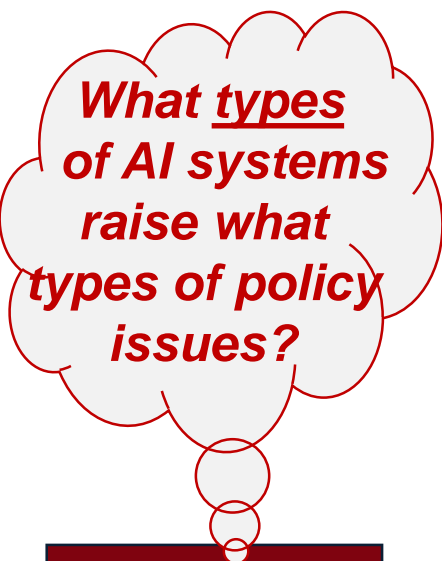
**PARTICIPATION**  
in complementary  
initiatives by  
partner  
institutions

- EC
- G20
- UNESCO, UN
- CoE
- IDB, CAF
- ISO, IEEE

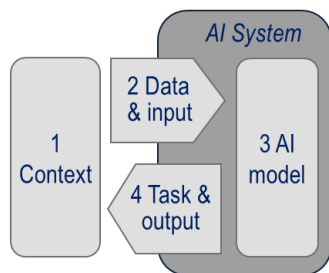
...



# Implementing the AI Principles in POLICIES – 3 ONE AI priorities



**Classifying  
AI systems**



## 10 Principles for Trustworthy AI

### Values-based principles

Socio-economic & env<sup>tal</sup> impacts  
Human rights, privacy, fairness  
Transparency, explainability  
Robustness, security, safety  
Accountability

### National Policies

Investing in research  
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Jobs, skills, transitions  
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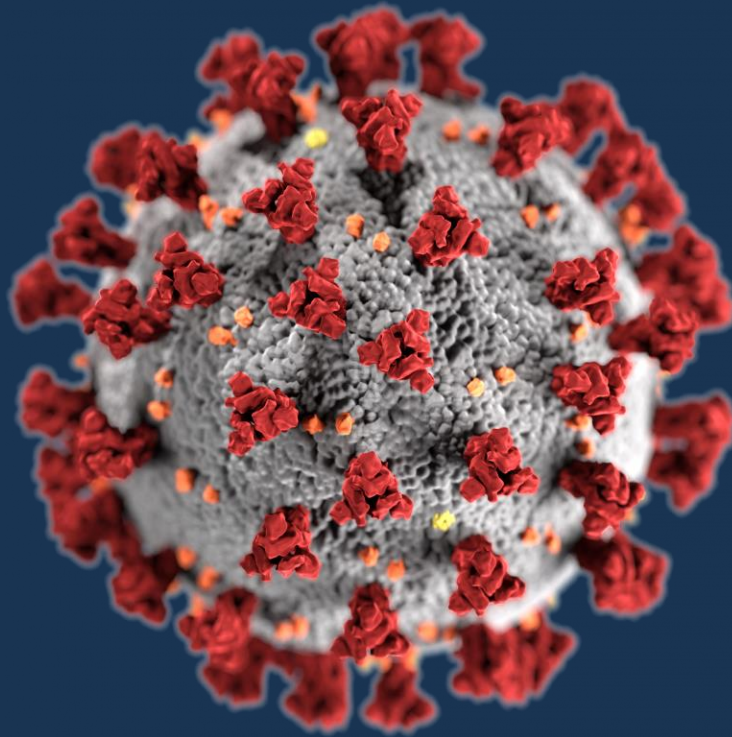


**Tools for  
Trustworthy AI**

**National AI  
policies**



# COVID-19 Resources





# Policy brief: AI and COVID-19

*“Using artificial intelligence to help combat COVID-19”*

## AI and COVID-19 A crisis management framework

### Detection

#### Early warning

Detecting anomalies and digital “smoke signals”  
eg. *BlueDot*



#### Diagnosis

Pattern recognition using medical imagery and symptom data  
eg. *CT scans*



### Prevention

#### Prediction

Calculating a person’s probability of infection  
eg. *EpiRisk*



#### Surveillance

Monitor and track contagion in real time  
eg. *contact tracing*



#### Information

Personalised news and content moderation to fight misinformation  
eg. *via social networks*



### Response

#### Delivery

Drones for transporting materials; robots for high exposure tasks at hospital  
eg. *CRUZR robot*



#### Service automation

Deploying triaging virtual assistants and chatbots  
eg. *Canada’s COVID-19 chatbot*



### Recovery

#### Monitor

Track economic recovery through satellite, GPS and social media  
eg. *WeBank*



### Accelerating Research

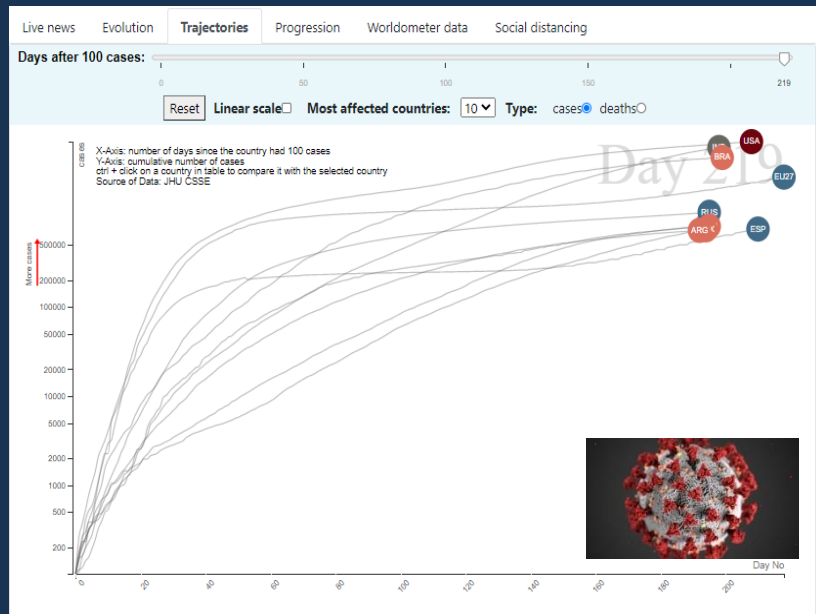
Open data projects and distributed computing to find AI-driven solutions to the pandemic, e.g. drug and vaccine development



# COVID-19 Resources

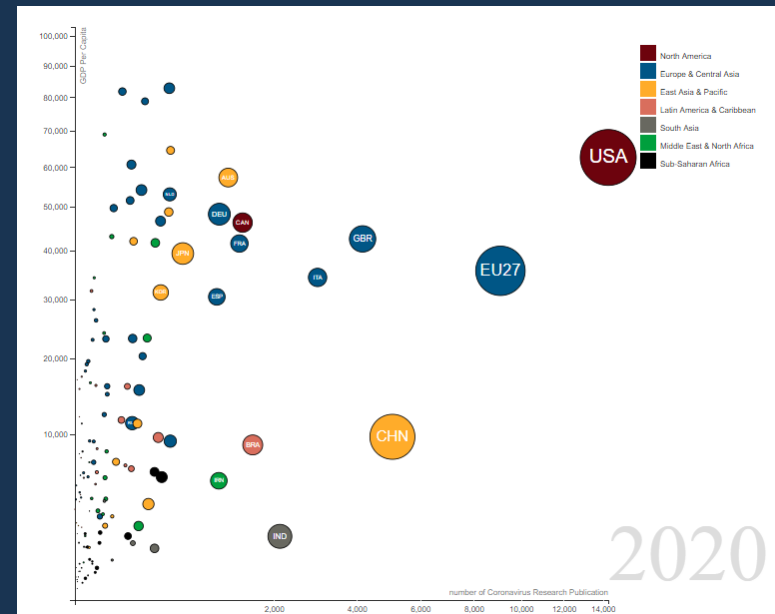
## AI-powered COVID-19 tracker

*Follow the latest COVID-19 developments in your country in real time*



## COVID-19 research

*Live data on COVID-19-related publications (MAG)*



Live news

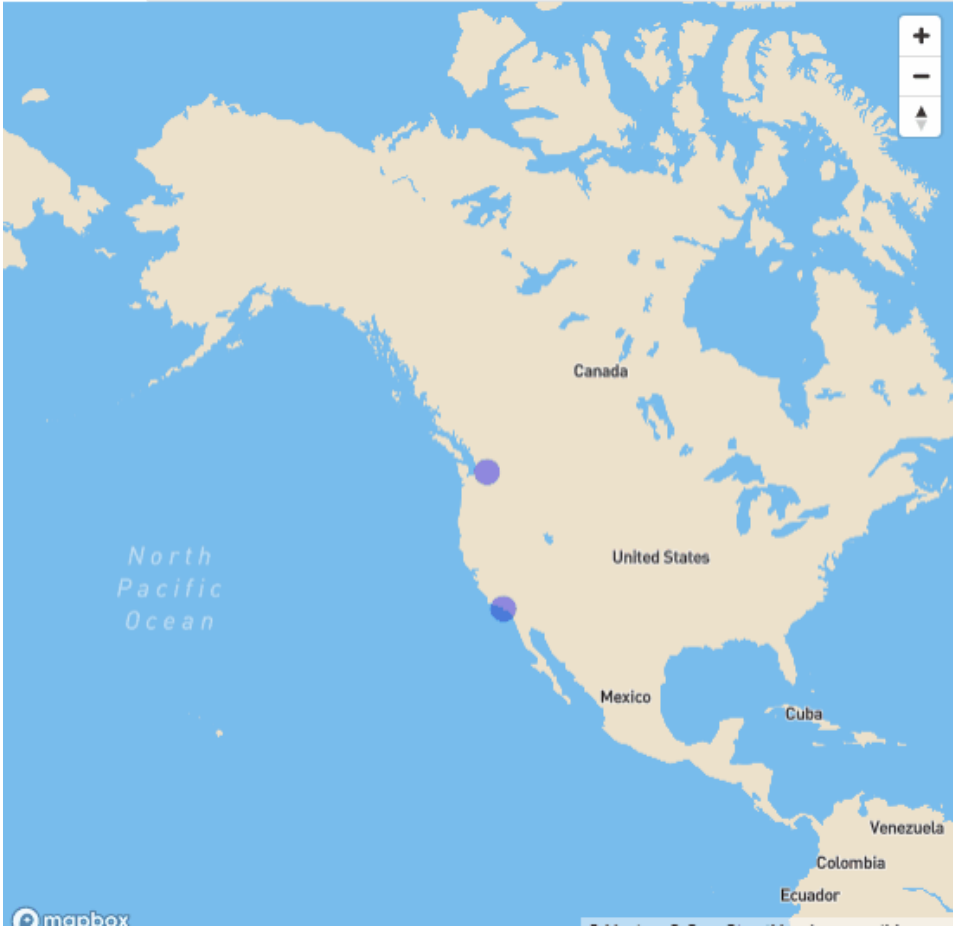
Evolution

Trajectories

Progression

Worldometer data

Social distancing




Map showing North America (Canada, United States, Mexico) and surrounding regions (Cuba, Venezuela, Colombia, Ecuador). The map includes zoom controls (+, -, and a location pin icon) and a mapbox logo.

Tue Sep 29 2020, 10:51:00 PM

**To UN, Israeli Prime Minister says 'no doubt' more Arab countries will soon...**


While telling the UN General Assembly on Tuesday there was "good news" to report about the "expanding circle of peace" between Israel and some Arab countries, Prime Minister Benjamin Netanyahu also accused Hezbollah militants of storing weapons in a residential area of Beirut. Opening his video address, pre-recorded due to the coronavirus pandemic, on a positive note, Mr. Netanyahu said that while the Middle



Washington Examiner

**New York voters receive absentee ballots with...**

Tue Sep 29 2020, 10:51:00 PM



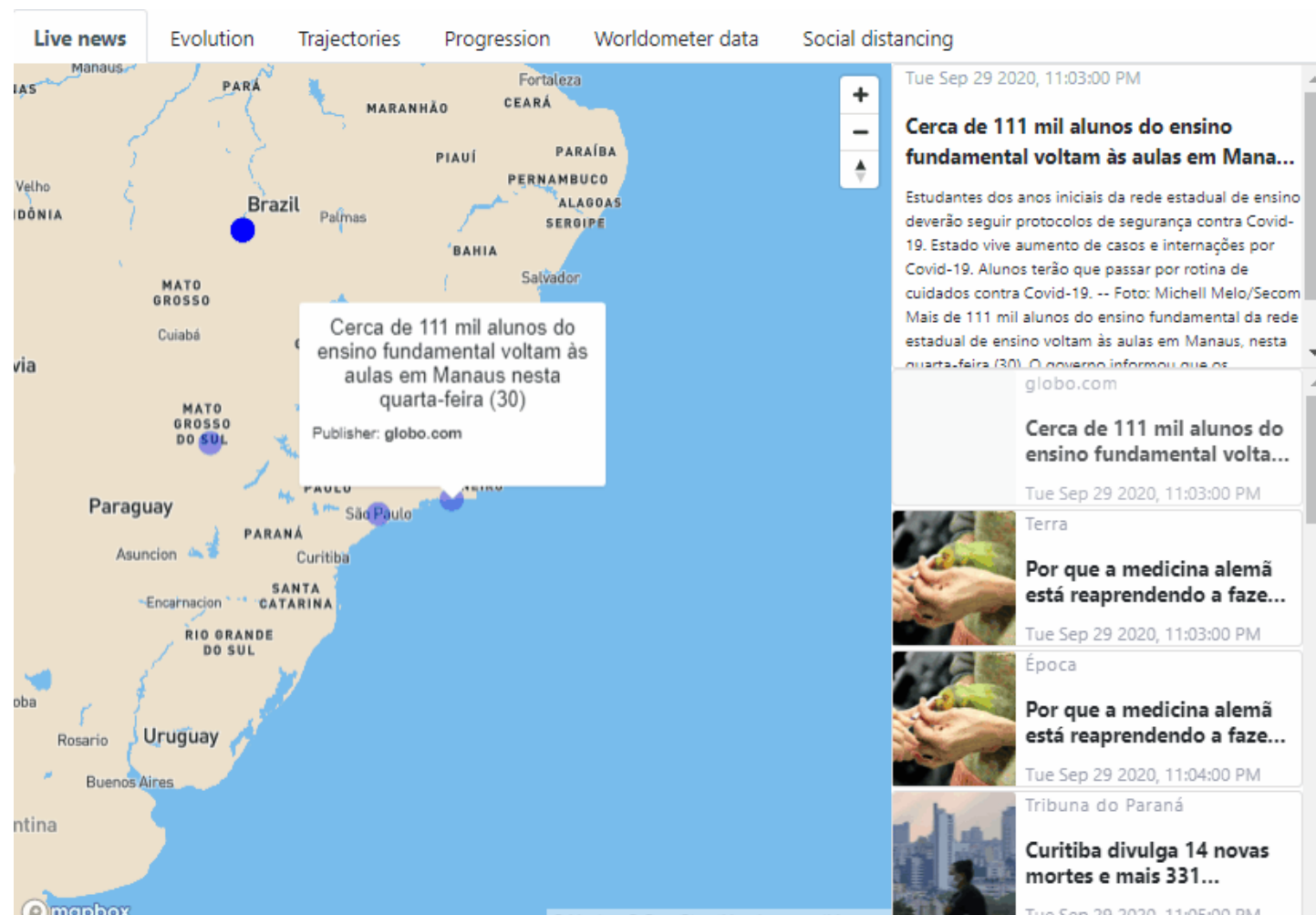
Yahoo Sports

**Commissioner Goodell sends COVID-19 message to all N...**

Tue Sep 29 2020, 10:51:00 PM

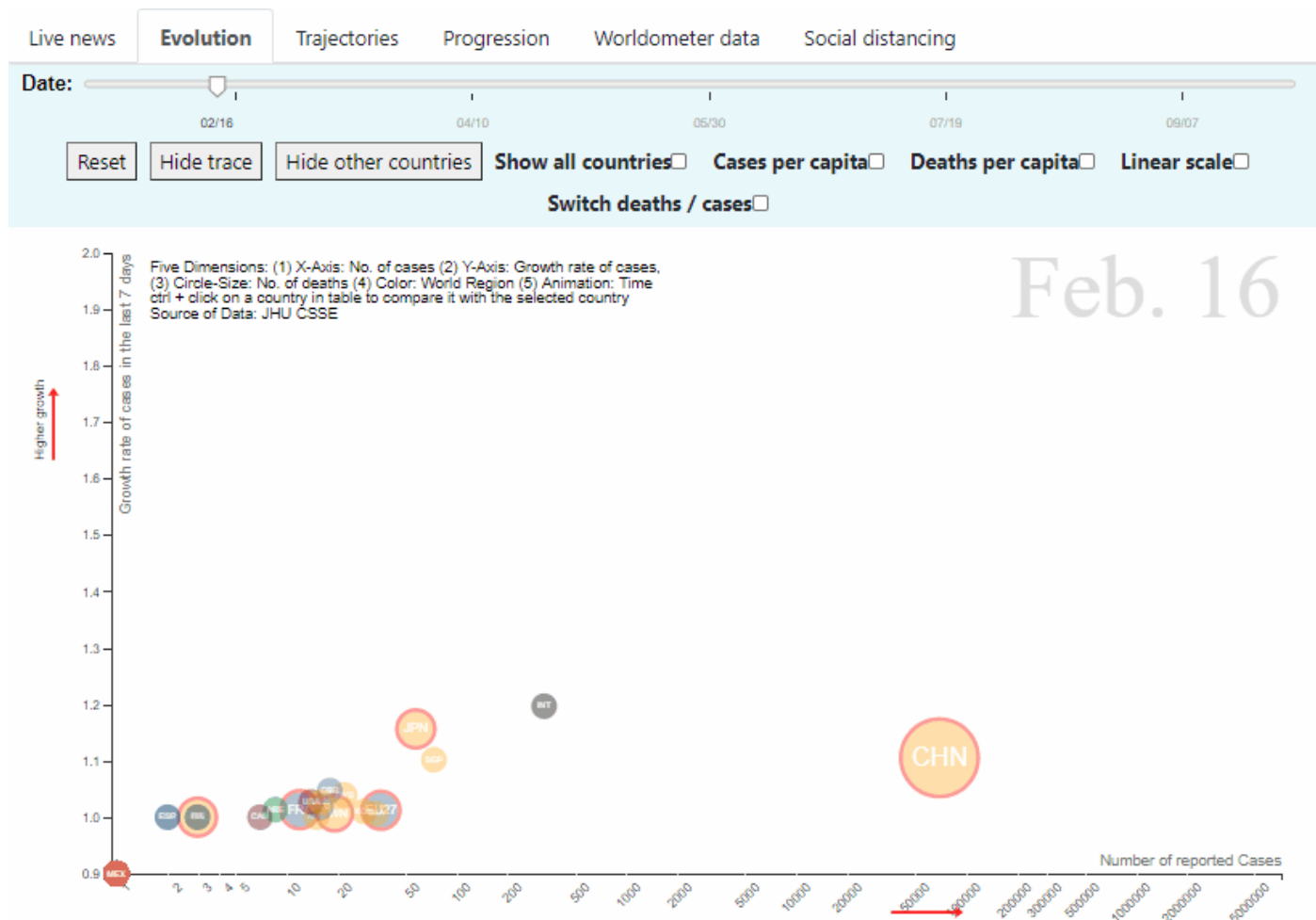
# AI-powered COVID-19 watch

Stay safe, stay informed: follow the latest COVID-19 developments in your country in real time with this AI-powered tool (click on your country's name to zoom in).



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Stay safe, stay informed: follow the latest COVID-19 developments in your country in real time with this AI-powered tool (click on your country's name to zoom in).



Home > Data from partners

## Live data from partners

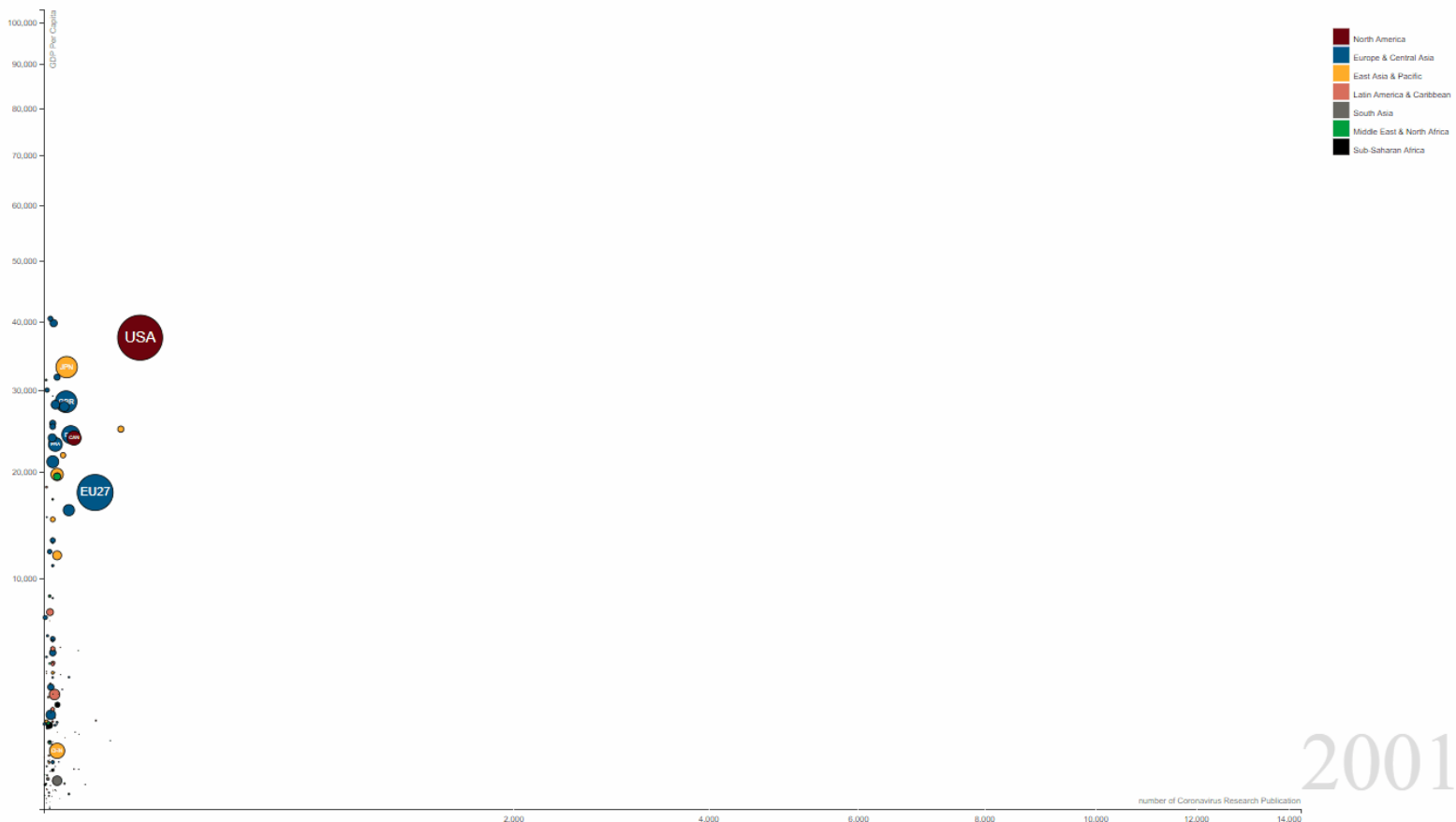
This section leverages live data from partners to show timely trends about where, how and at what rate AI is being developed and used, and in which sectors.

AI news

AI research

AI jobs and skills

COVID-19 research



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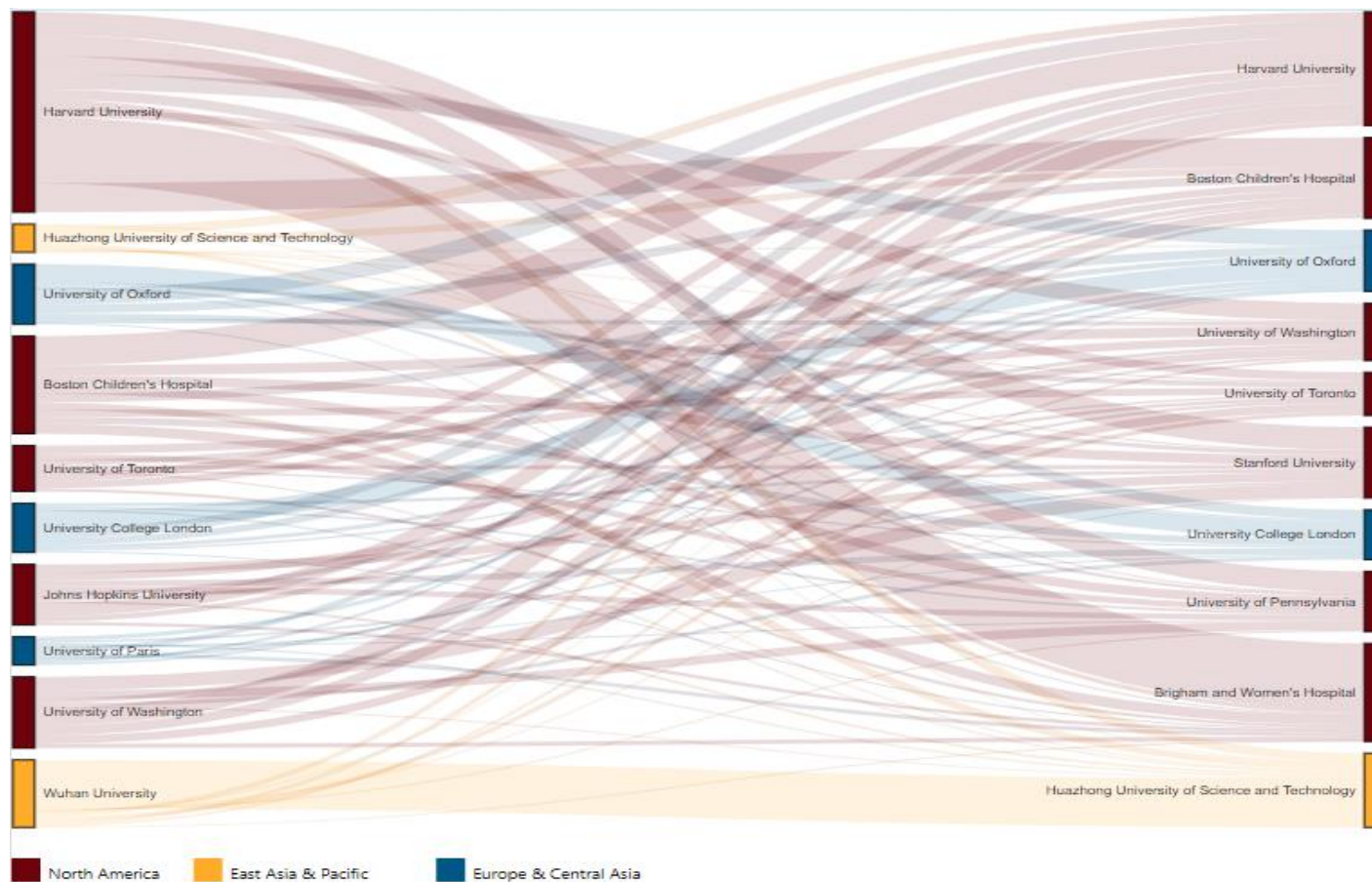
COVID-19 research





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This section leverages live data from partners to show timely trends about where, how and at what rate AI is being developed and used, and in which sectors.

[AI news](#)[AI research](#)[AI jobs and skills](#)[COVID-19 research](#)



[Home](#) > [The AI Wonk](#)

# The AI Wonk

Not all intelligence is artificial. Keep yours real with the AI Wonk blog.

[Intergovernmental](#)

## Artificial intelligence in health still needs human intelligence

COVID-19 has shown that AI can deliver benefits, but it has also exposed its limits, often related to having the right data.

[Government](#)

### Singapore's model framework balances innovation and trust in AI

To sustain a trusted AI ecosystem, Singapore has to be proactive about providing guidance for AI and responding to industry realities.

[June 24, 2020](#) — 5 min read[Business](#)

### Can AI combat cognitive capacity issues and information overload?

Cybersecurity, viral pandemics and climate change make fostering international co-operation and access to knowledge more urgent than ever.

[June 15, 2020](#) — 3 min read

### An introduction to the Global Partnership on AI's work on Responsible AI

The Global Partnership on AI (GPAI) has a mission to "support the development and use of AI based on human rights, inclusion, diversity, innovation, and economic growth, while seeking to address the U...

[September 1, 2020](#) — 6 min read[Technical community](#)

### Three habits to cultivate when converting ethical AI principles into ethical AI practice

[May 11, 2020](#) — 4 min read[Intergovernmental](#)

### Harnessing Artificial Intelligence for Development

[July 29, 2020](#) — 4 min read[Intergovernmental](#)

### The IDB is bringing responsible and ethical AI to Latin America and the Caribbean

[June 3, 2020](#) — 4 min read

### An introduction to the Global Partnership on AI's work on data governance

Jeni Tennison, Co-Chair of GPAI's Working Group on Data Governance, introduces her working group and its mission.

[August 23, 2020](#) — 6 min read[Intergovernmental](#)

### Harnessing Artificial Intelligence for Development

Governments can help balance opportunities and risks linked to AI.

[July 29, 2020](#) — 4 min read



OECD.AI  
Policy Observatory

# Thank you!

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Contact us at  
[ai@oecd.org](mailto:ai@oecd.org)

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Not all intelligence is  
artificial. Keep yours real  
with "[The AI Wonk](#)" blog!

