



ChatGPT, how can we save the world?

OpenAI, language models, and machine learning for global ESG strategy and climate policy

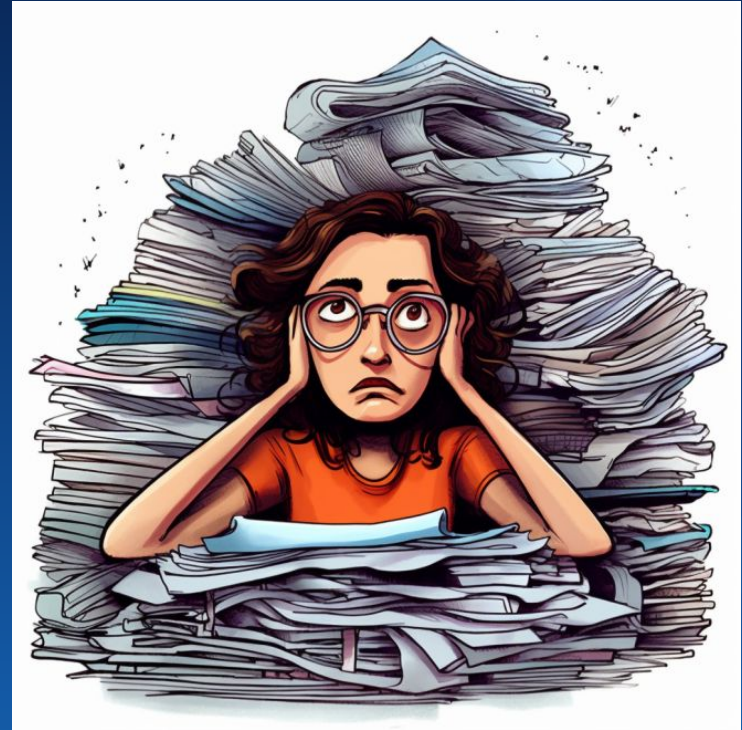
Dr Henry Franks, CTO

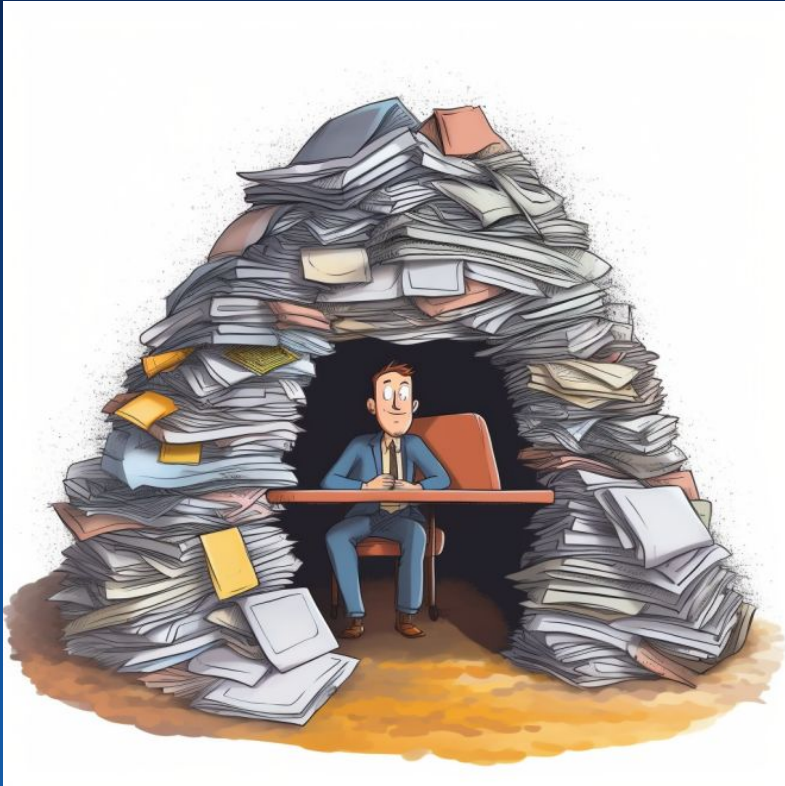
When answering complex questions

- Humans are great, but also a bit rubbish
- AI is great in other ways, but also a bit rubbish
- Humans and AI together are more than the sum of their parts

Augmented Intelligence can help unlock the solutions to the big, complex problems we face

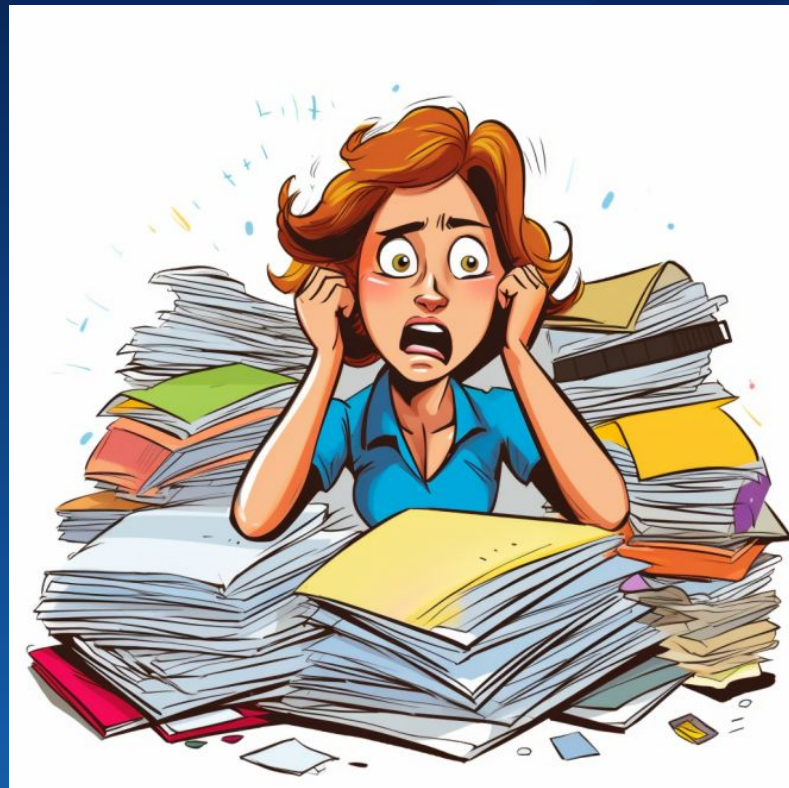
“Write me an analysis of the ESG policies of the respondents to our RFP”

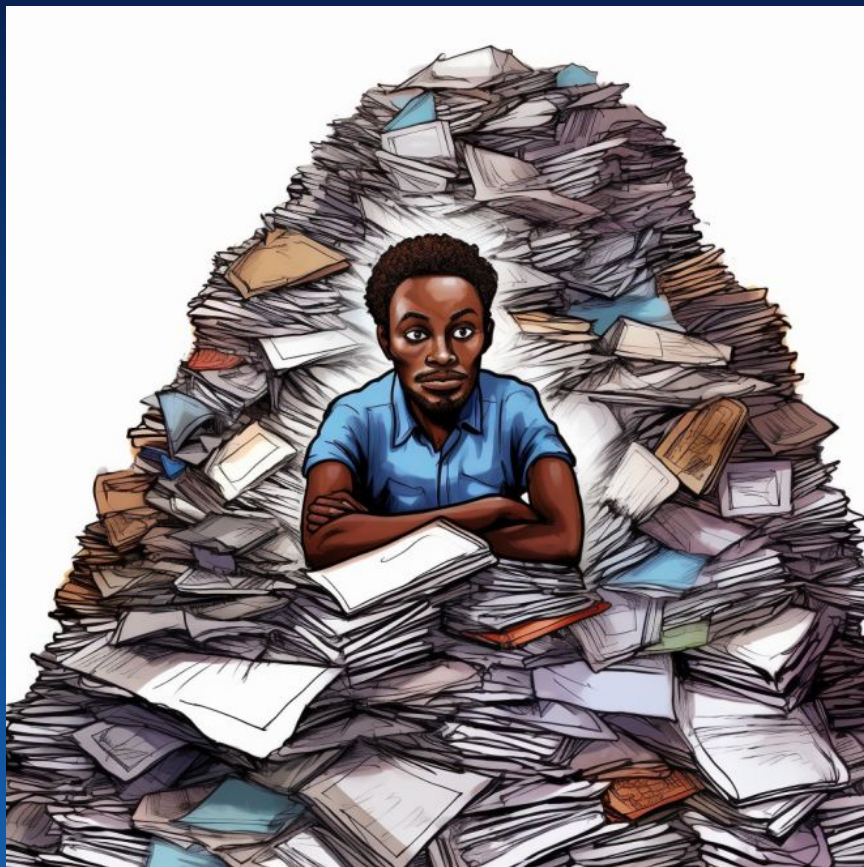




“I need to know what tax subsidies are available for powering our new datacenter from renewables”

“Work out our obligations for compliant emissions reporting across our EU offices”





“Assess what form of financial incentive best reduces emissions in agriculture”



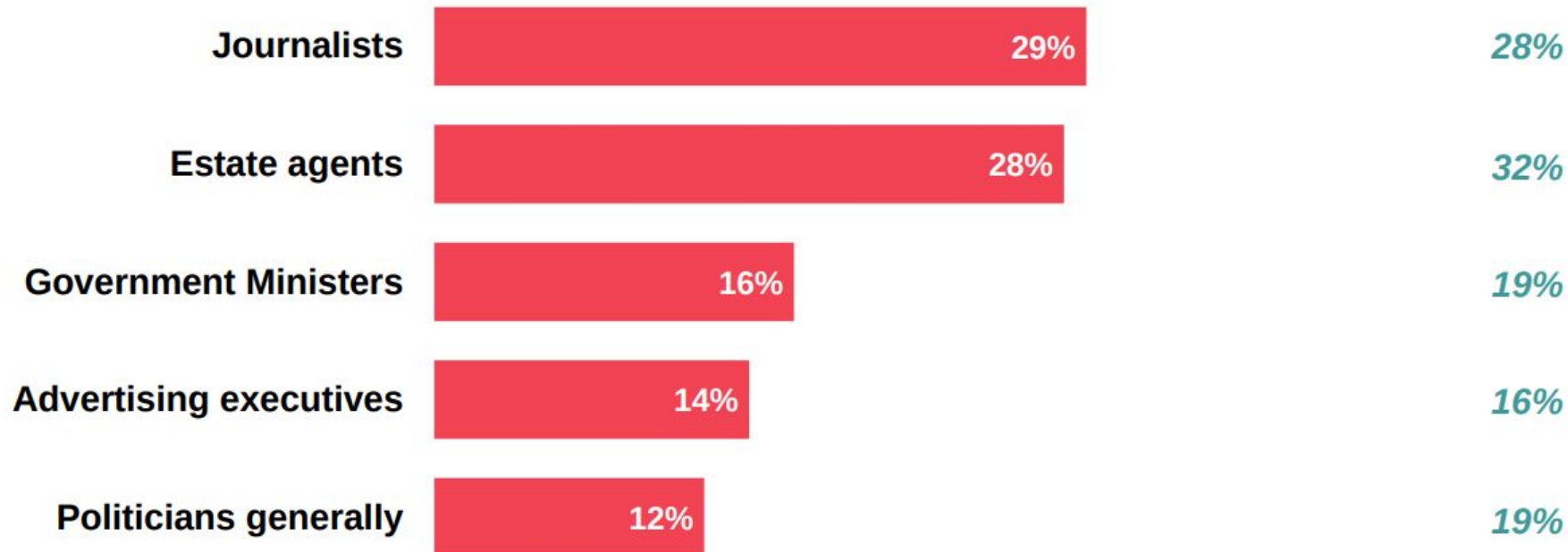
We need to find out:

- What we're **subject** to
- What we can **change**
- What **works**

The five least trusted professions, 2022

% trust to tell the truth:

*2021
score:*



First, you have to find the documents

According to various estimates:

- ~18 minutes to find a given document
- 1.5-2.5 hours a day finding documents
- 8.8 hours / week finding documents

Fewer than 44% of employees say they know where to find the information they need for their day-to-day work.



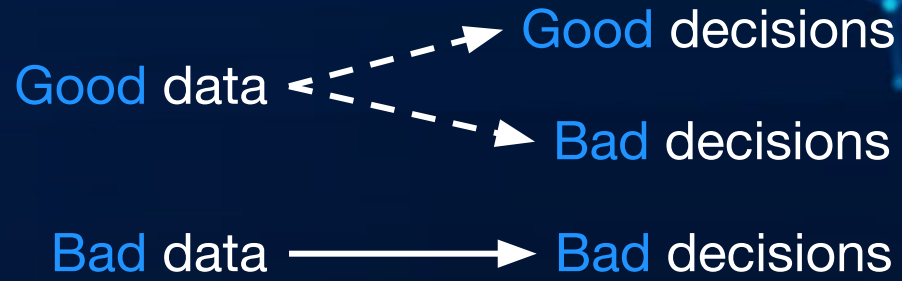
Then, you have to read them





Now, you can get started







So lets use AI to help...



Can you help me save the world?



I'm certainly willing to help you as much as I can! However, what you mean by "saving the world" is quite broad. Could you provide more specifics? Are you interested in environmental conservation, improving education, reducing inequality, promoting peace, or something else entirely? Here's how I could potentially assist in a few of those areas:



1. **Environmental Conservation:** I can provide advice on best practices for sustainability, information on the latest green technologies, ways to minimize your carbon footprint, and more. I can also provide information on how to rally others around your cause.

GPT-4 VS HUMAN TESTS (MAY/2023)



Selected highlights only. Percentiles; 50 refers to the 50th percentile as average, and may not be the testing average for some tests. Alan D. Thompson, April 2023. <https://lifearchitect.ai/iq-testing-ai/>



Hallucination/fabrication

Lawyer cited 6 fake cases made up by ChatGPT; judge calls it “unprecedented”

Judge weighs punishment for lawyer who didn't bother to verify ChatGPT output.

[ArsTechnica 30/05/2023](#)

Bias

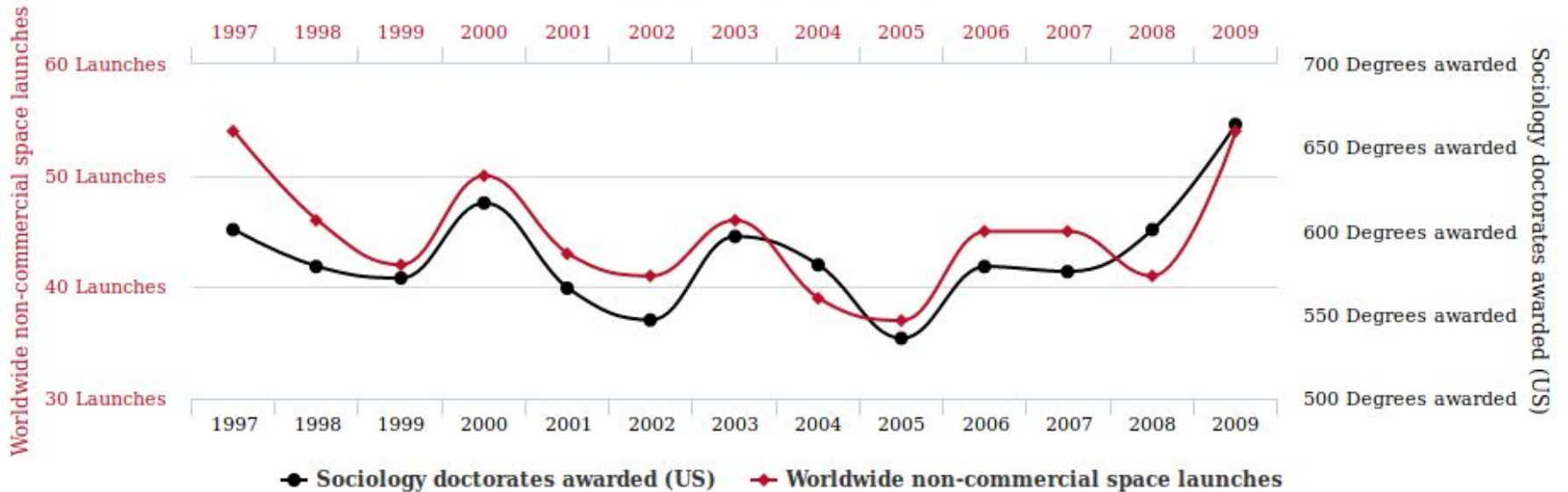


Output of Midjourney 5.1 when prompted for images of “Company CIO”



Worldwide non-commercial space launches correlates with Sociology doctorates awarded (US)

Correlation: 78.92% ($r=0.78915$)



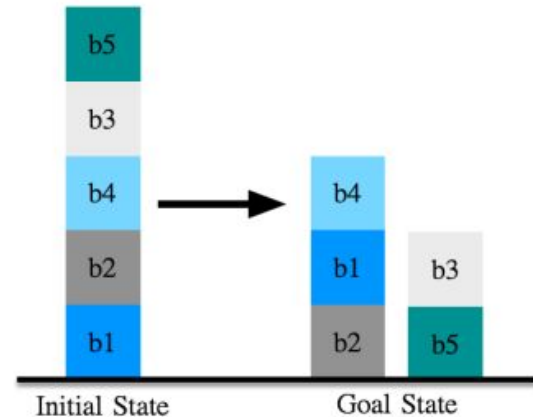
Planning

A Failure Example of GPT-4 in Planning

Problem (P1): You have 5 blocks. One cannot place more than one block on another block. b5 is on top of b3. b4 is on top of b2. b2 is on top of b1. b3 is on top of b4. b1 is on the table. b5 is clear. Your arm is empty. Your goal is to move the blocks. b1 should be on top of b2. b3 should be on top of b5. b4 should be on top of b1.

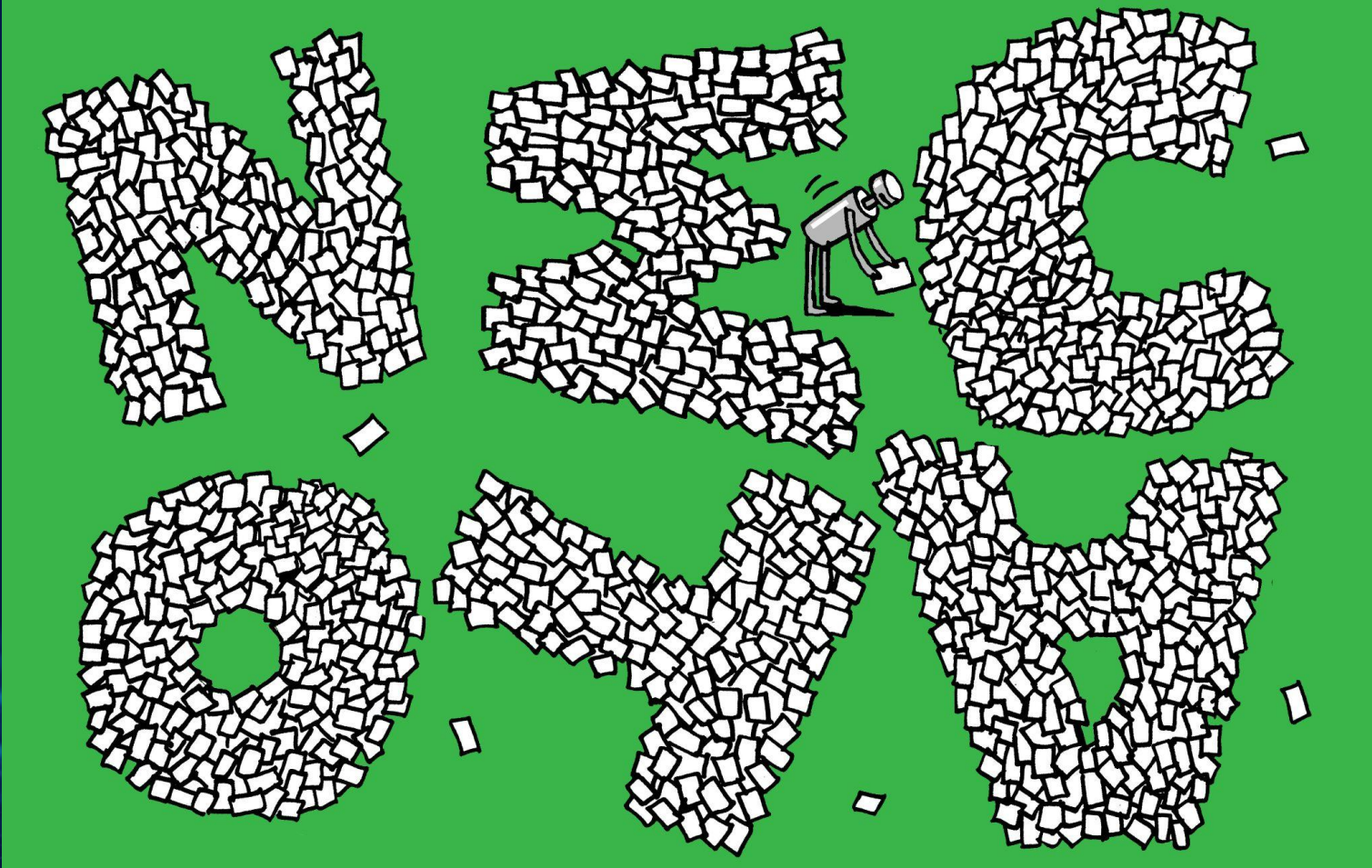
GPT-4:

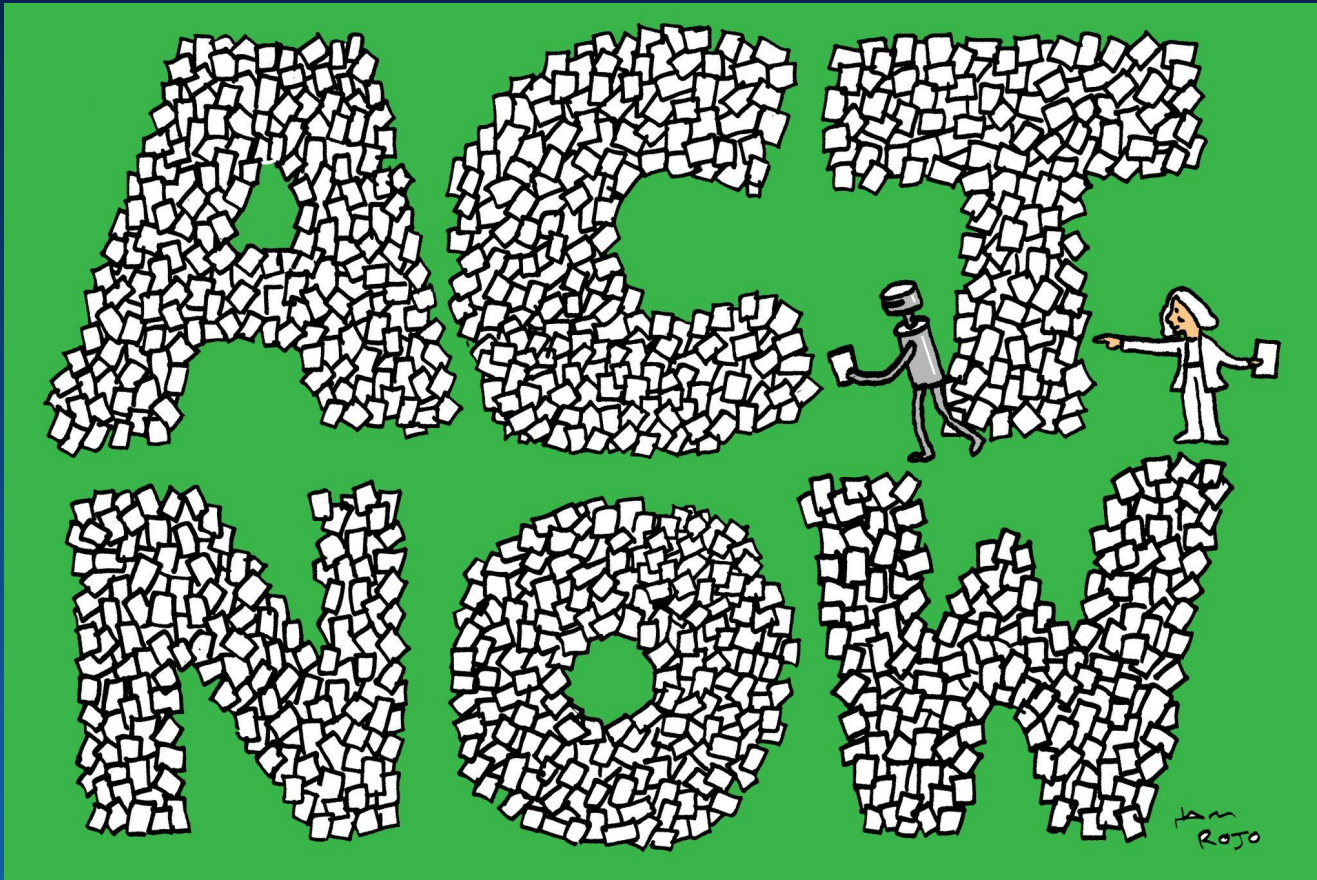
1. Move b5 from b3 to the table.
2. Move b3 from b4 to b5.
3. Move b4 from b2 to the table.
4. Move b2 from b1 to b5.
5. Move b1 from the table to b2.
6. Move b4 from the table to b1.





85% of enterprise big data and AI projects fail







We are on a **mission** to map and analyse the global climate law and policy landscape to support evidence-based decision-making.

Our tools help people discover, understand and generate **useful, data-driven law and policy insight**.



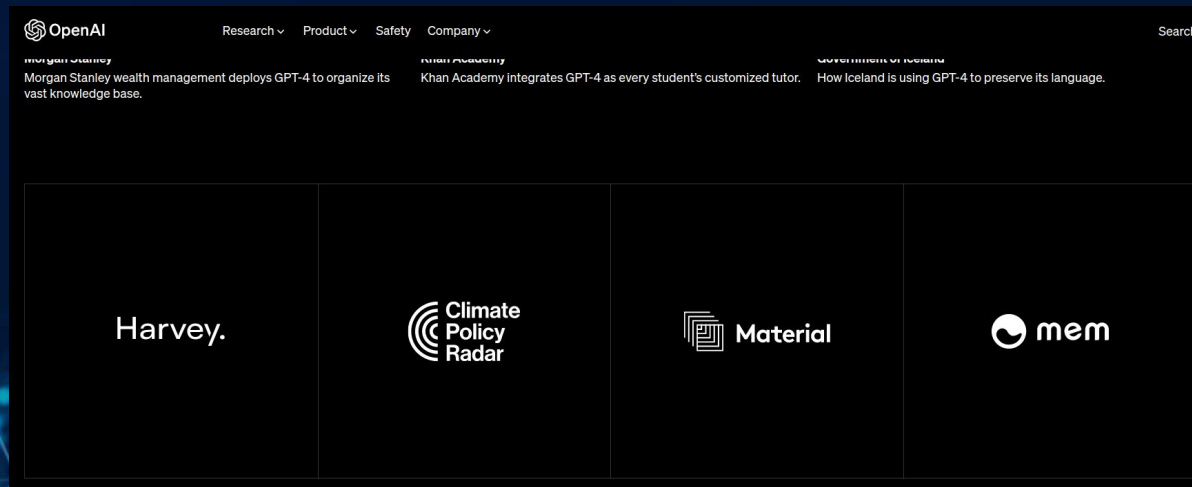
- Make relevant documents **accessible, searchable, queryable, comparable**
- Analysis must be **exhaustive, rigorous, accurate, verifiable**



15 December 2022

Hacking AI for climate policy

We teamed up with OpenAI for their first hackathon dedicated to climate change. Explore how teams came up with ideas to hack artificial intelligence for climate policy.



Adaptation strategy

Find documents containing 1

Related phrases Exact phrases only

Region

All

Published jurisdiction

Start typing...

First published

in last year in last 5 years

specify range

For more info see
[our methodology page](#)

Showing the top 100 results for "Adaptation strategy" 1

[All](#) [Legislation](#) [Policies](#) [Litigation](#) [UNFCCC](#)

[Climate Change Adaptation Strategy](#)

 Liechtenstein, 2018 Matches: Title, Summary

This Strategy sets out the impacts of climate change and the course of action in Liechtenstein for the following sectors: water hazards, agriculture, forestry, energy, tourism, biodiversity, health, and urban planning. The most pressing changes that are identified are: higher temperatures in the summer and winter, changes in seasonal precipi...

[National Climate Adaptation Strategy](#)

 Netherlands, 2016 Matches: Title, Document passage

This National Climate Adaptation Strategy introduces various new initiatives and will accelerate the progress of ongoing initiatives. The National Climate Adaptation Strategy (NAS) uses four diagrams ('Hotter', 'Wetter', 'Drier' and 'Rising Sea Level') to visualise the effects of climate change within nine sectors: water management; nature; agriculture, horticulture and...

[National Climate Change Adaptation Strategy](#)

 Belgium, 2010 Matches: Title, Summary

The Strategy was developed by the Belgian National Climate Commission in response to the EU White Paper on Adaptation (2009) and the National Climate Plan (2009-2013). The three main objectives of the Strategy are: improve the coherence of existing adaptation measures; improve climate change impacts and vulnerability, existing measures; improve communication...

Document Filters

Filters on document metadata. At the moment we store documents from the [UN Submissions Portal](#). The last refresh of the data was on **2023-05-17**.

Earliest date

Latest date

Thematic filters

[Clear filters](#)

Filter on concepts we have found in text using linguistic analysis and machine learning. Full methodology to follow.

- Mitigation Including Response Measures
 - Deforestation
 - Fossil Fuels
 - Greenhouse Gases
 - Mitigation
 - Renewables
 - Response Measures
 - Technologies (Mitigation)
- Adaptation Including Loss & Damage
 - Adaptation
 - Climate Related Hazards
 - Loss And Damage
 - Technologies (Adaptation)
 - Vulnerable Groups
- Means of Implementation
 - Capacity Building
 - Financial Flows

Showing 1-10 of 7794 results

Guyana First NDC

Guyana • 2016-05-20 • Nationally Determined Contribution

RELEVANT PASSAGE

emissions. Guyana is willing to build on the lessons learnt thus far to complete and maintain its MRVS if adequate financial resources are provided to do so.

Guyana is committed to eliminating our near complete dependence on **fossil fuels** . Given our **solar** , wind and **hydropower** potential and relatively small national demand,

The cost of implementation of these forest-conservation initiatives in total is estimated to be determined annually....

[View source document](#) • Page 10

Technical analysis of the first biennial update report of Cambodia submitted on 14 August 2020. Summary report by the technical experts

UNFCCC Secretariat • 2021-07-29 • Technical Analysis Summary Report

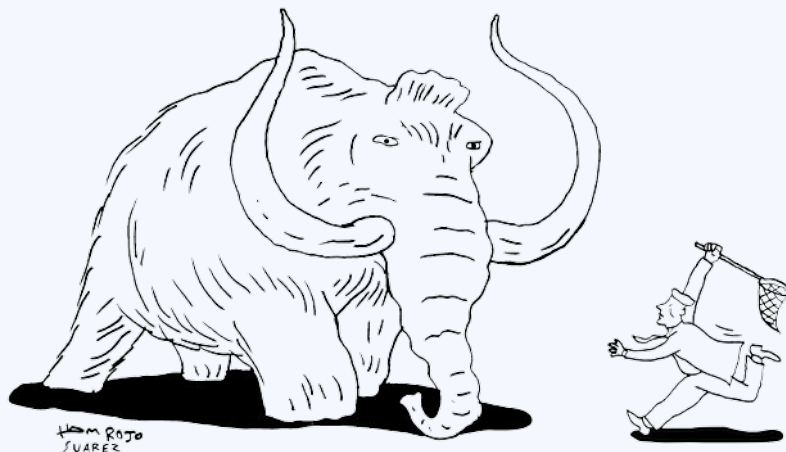
RELEVANT PASSAGE

81. Regarding the national policy and planning framework reported in section 1 of the chapter on mitigation actions, information on methodology, progress of implementation, estimated outcomes for the defined priority actions under the sectoral CCAPS was not reported in the BUR and the reason for this was not clear to the TTE. The same progress of implementation of the NDC mitigation actions reported in the BUR and several sectoral strategic plans (e.g. Agricultural Sector Strategic Development Plan Change Strategic Plan for Transport Sector). During the technical analysis, the Party clarified that owing to limited financial resources, most of the NDC mitigation actions

water treatment facilities . All these actions were reported as ongoing , and they are implemented as CDM projects . The Party reported the results of implementing these actions as emission reductions , with the Lower Stung Russel Chrum and Stung Tatay **hydroelectric** projects having the most significant reductions , estimated at 701,199 CO₂ eq / year , respectively . Cambodia anticipates the following co - benefits from these actions : more job opportunities for the local community , reduced adverse health air pollution and alleviated poverty through a reduced dependence on **diesel** for energy generation .

79. The mitigation actions in the industry sector focused mainly on energy efficiency and fuel switching. The first miti...

[View source document](#) • Page 13



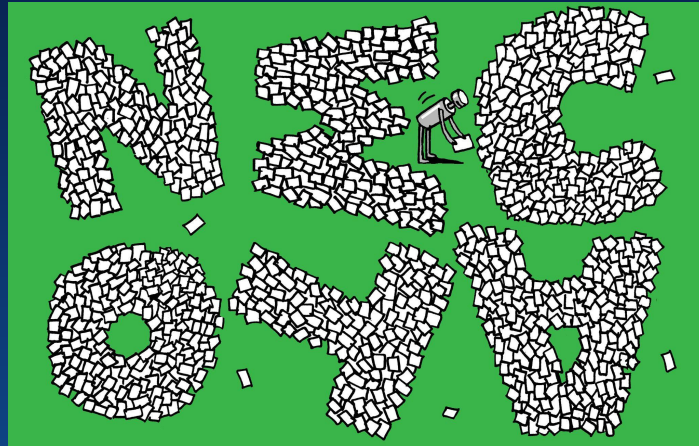
Contact: [Henry Franks](#) | CTO

Email: henry@climatepolicyradar.org

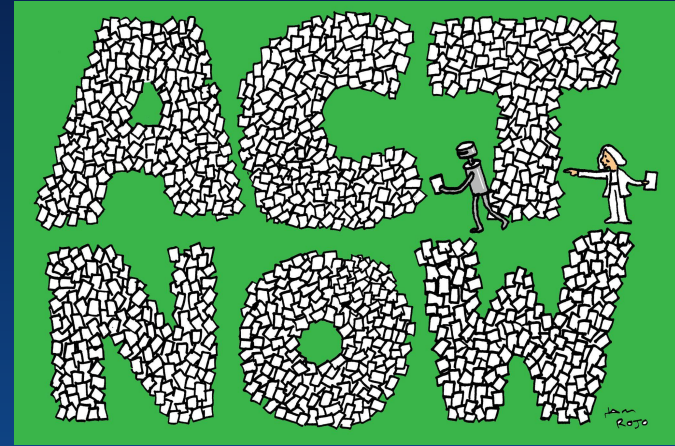
~~Artificial~~ Augmented Intelligence



Humans alone struggle to identify and organise the relevant data.



On the other hand, the blunt application of AI and large language models is **insufficient and risky** for this complex body of evidence: inaccuracies, biases and hallucinations are unacceptable risks.



Our **augmented intelligence** approach marries long-standing domain expertise and deep roots in the climate policy ecosystem, with substantial machine learning and product development expertise. This allows us design in a way that is finely tuned and user-centric.

We take advantage of the rapid developments in AI, while heeding and mitigating risks of bias, fabrication, and truthiness of data.