

IRIS.AI

When factuality matters.

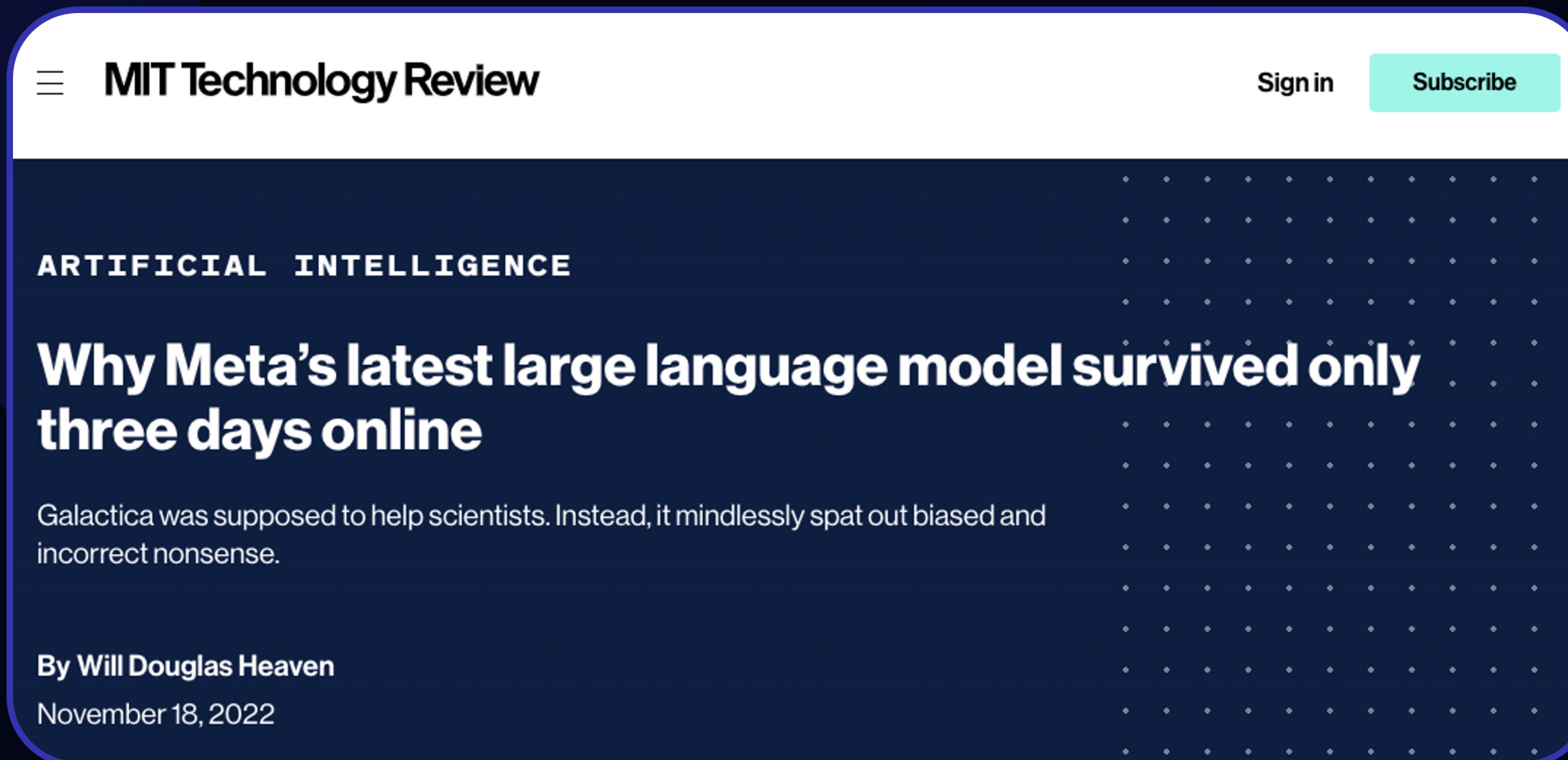
CuttingEdgeAI: Large Language Models

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The current Large Language Models are failing in adherence to facts.

This is especially evident and acute in the most fact based field of all: **Science**.

A screenshot of a web article from MIT Technology Review. The header shows the MIT Technology Review logo, a 'Sign in' link, and a 'Subscribe' button. The article is categorized under 'ARTIFICIAL INTELLIGENCE' and has a title 'Why Meta's latest large language model survived only three days online'. The text describes how Galactica was supposed to help scientists but instead produced biased and incorrect nonsense. The author is Will Douglas Heaven and the date is November 18, 2022. The background of the article snippet features a grid of dots.

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ARTIFICIAL INTELLIGENCE

Why Meta's latest large language model survived only three days online

Galactica was supposed to help scientists. Instead, it mindlessly spat out biased and incorrect nonsense.

By Will Douglas Heaven
November 18, 2022

Not solved by LLMs:

- Small but essential data sets
- Unique terminology
- Out-of-vocabulary words
- In-depth nuances
- No room for hallucination
- Precision being vital

In the AI revolution, **factuality** will be vital



Smart, not Large

A unique and efficient Smart Language Model (SLM) in combination with machine vision and clever engineering.



Leverage knowledge

SLM built to seamlessly inject existing, systematized, distilled knowledge.



Coherence

Built for factual coherence, with north star metrics of Precision and Recall

Built for the most stringent field – Science – the technology is **robust** enough to tackle any topic long term, vastly **scalable**, and already **productized** into a highly valuable corporate R&D market.

7 years of R&D at the forefront of NLP and machine vision.

At Iris.ai, we believe in Smart Language Models, that:

- ✓ Are at the right price/performance
- ✓ Are suitable for Scientific applications that has **unique challenges** not solvable by LLMs
- ✓ Require **no human training or taxonomies** – this is the way to scale.
- ✓ Have **horizontal scalability**. While a challenge, will be what scales.

And that success is all about building the right **integrated team** of researchers and engineers.

Our SML is:

- Understood well by our researchers and can be rapidly adopted to new challenges.
- Providing low-touch and easy onboarding of clients into productized solutions
- Yielding world class results on downstream tasks – at much more reasonable cost.

Current breakthrough results from the Iris.ai SLM:

Scientifically validated search engine for research

Globally unique extraction and linking of research data from papers and patents

Proven enabler of interdisciplinary discoveries



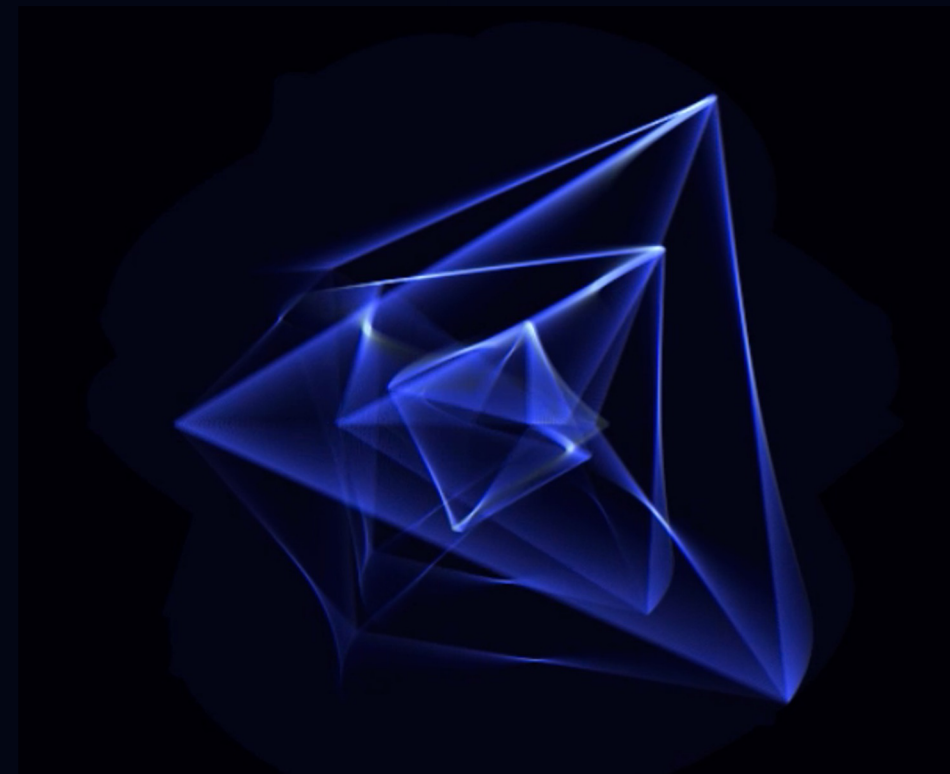
Top 10 in AI for Good XPRIZE



Powerful Academic research
partners

Long term vision of a Science Question-and-Answering machine

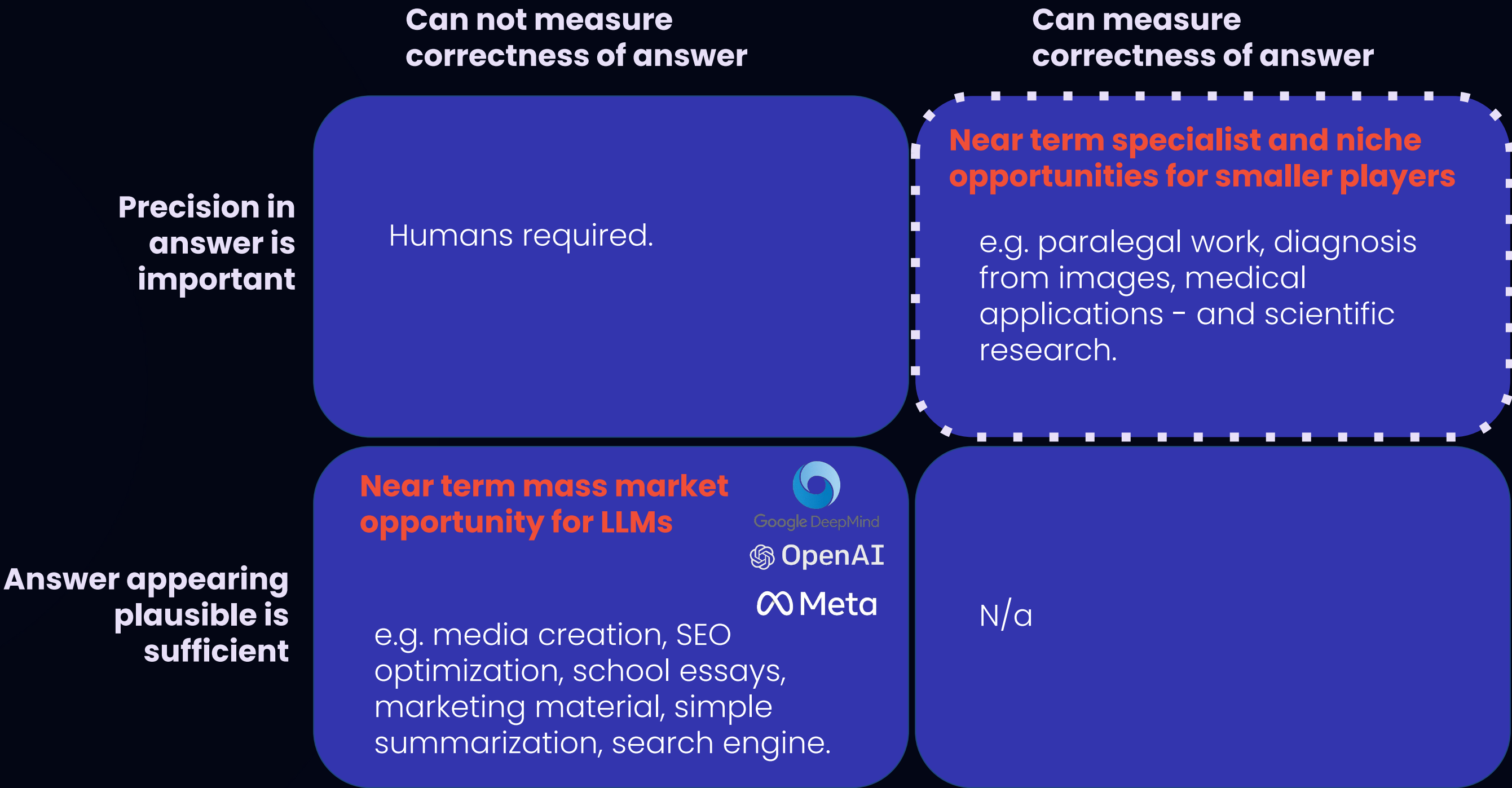
IRIS.AI



A machine with the impressive **fluency** of current LLMs but also getting the **scientific facts** straight, with no hallucinations, and being able to **draw new inferred conclusions** from existing human science. Will be developed as part of the Researcher Workspace and also offered as API solution for factuality checks to anyone building LLM applications.

SLM players like Iris.ai have expertise and insights complementary to those of LLMs

With the right market positioning, as we start from the opposite end of the large tech players, we can grow to the **market leading, EU AI ethics based, credible player for scientific factuality** – a great asset and contribution to the race towards AGI.



The Researcher Workspace

A commercially available platform solving a clear market need – and a powerful platform for testing, productizing, co-developing and scaling the tech.

1.0 version

monetized

Sold to top tier life science and IP departments and research groups from late 2021, with solid traction and growth.

Unique learning effect

Current generation of models used to create and curate datasets to create the next generation of models.

Features like:

- Smart filters
- Summaries
- Document set analysis
- Extraction of table data
- Extraction and linking of all data
- Content Based Recommendation engine



Strong first markets in **material science** and **medical writing**.

Expansion to new markets horizontally without changes to the tech.

ARR €0.6M

>2x since Q1 2022, will 2x again to €1M by end 2023

Clients

Like ArcelorMittal, Springer Nature and Wunderman Thompson.

50 +

organic inbounds per week and steep decline in time to close

**Volume based SaaS model allowing scalable offers.
Current major client average €50k/year.**

IRIS.AI

**Unlock the frontier of
human discovery
with factually correct AI**

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