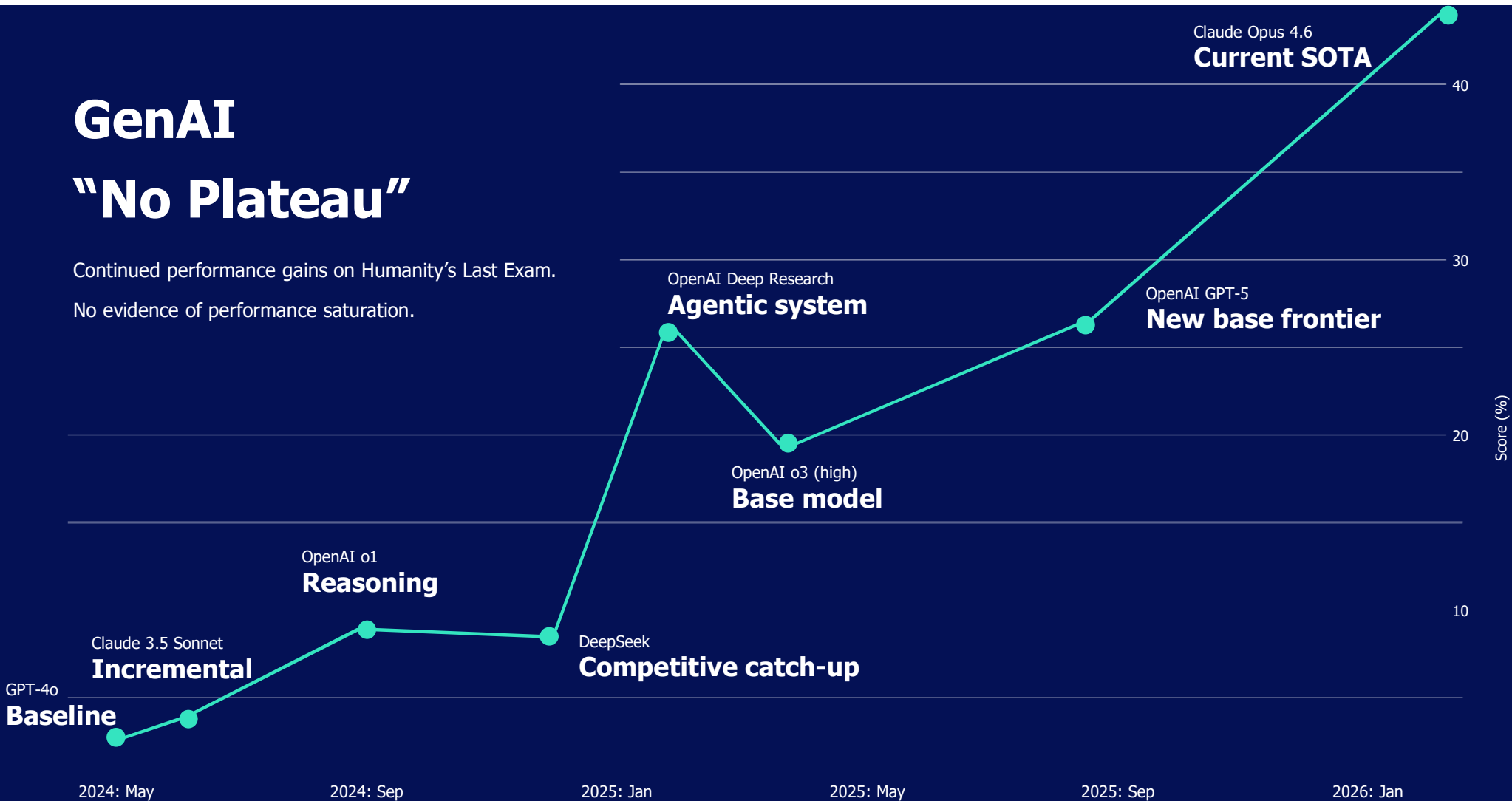


# GenAI

## "No Plateau"

Continued performance gains on Humanity's Last Exam.  
No evidence of performance saturation.



## GPT-5.2 Just Solved a 30-Year Math Problem

Jan 12, 2026



Terence Tao

@tao@mathstodon.xyz

Recently, the application of AI tools to Erdos problems passed a milestone: an Erdos problem (#728 [erdosproblems.com/728](https://erdosproblems.com/728)) was solved more or less autonomously by AI (after some feedback from an initial attempt), in the spirit of the problem (as reconstructed by the Erdos problem website community), with the result (to the best of our knowledge) not replicated in existing literature

### Terence Tao:

**2024:** "Mediocre, but not completely incompetent graduate students."

**2025:** "Better at certain types of high-level math reasoning, but lacking creativity and making subtle mistakes."

**2026:** "The technology is opening up **a different 'way of doing mathematics.'**"



# **Agentic AI in Pharmacovigilance:** From Task Automation to Unified Data Intelligence

**Jason Bryant**  
SVP Product Management, AI, ArisGlobal

# Where Innovation Meets Reality

**Foundational  
Operating System**

## LifeSphere Safety & Medical Affairs Suite

Reporter

Lit Intelligence

Advanced Intake

MultiVigilance

Medical Information

Business Intelligence

Advanced Signals

## LifeSphere Regulatory & Quality Suite

RIM

Product Compliance

QMS

Labeling

Documents

Submissions

← **SaaS Transformation 2018 – 2023** →

# Where Innovation Meets Reality

**NavaX**  
**AI Operationalized**  
GenAI 2023 | Agentic AI 2025

## Advanced AI in Safety

Dynamic Data Extraction

MedDRA Coding Agent

Narrative Generation

## Advanced AI in Regulatory

HA Interactions

Regulatory Intelligence

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# NavaX Strategic Horizons

## Horizon 1

**Delivering Now**

**Automation**

**GenAI**

## Horizon 2

**Launching Next**

**Decision Intelligence**

**AgenticAI**

## Horizon 3

**Shaping the future**

**X-Domain Intelligence**

**Beyond platform, beyond data**

# NavaX Horizon 1

EVOLVING TOWARDS  
**AGENTIC**

CAPABILITY LAYER

**AUTOMATION**

## **EXTRACTION**

Retrieves data  
from diverse sources

## **GENERATION**

Creates narratives  
from data

## **INTERPRETATION**

Understands  
complex data

## **ACTION**

Executes chains of  
tasks

AUGMENTATION LAYER

**MULTI-MODAL** - Integrates different data types

**MULTI-LINGUAL** - Integrates different human languages

# NavaX Translation

## Key Features

- **Partnership with TransPerfect** - industry-leading translation
- **Instantly detects** and routes non-English forms for certified translation
- **Pharma-specific** models and human linguists for quality and compliance
- **Seamless API integration** - translated forms flow back automatically
- **Available July 2026**



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**TRANSPERFECT**  
**LIFE SCIENCES**

# Time Spent Managing Translation

Average time spent per case

Activity	Without NavaX Translation	With NavaX Translation
Export Content for Translation	30 Mins	<b>0 Mins</b>
Managing Translation Process	1 Hour	
In-Country Translation & Review	3 Hours	
Import to NavaX	30 Mins	

# MedDRA Coding Agent

## Key Features

- **>90% accuracy**  
Industry-leading performance, validated in real-world PV operations
- **>80% efficiency gains**  
Dramatically reduces reviewer workload and manual effort
- **Agentic AI**  
Context-aware, autonomous, learns and adapts to coding goals and evolving medical terminology
- **Available April 2026**



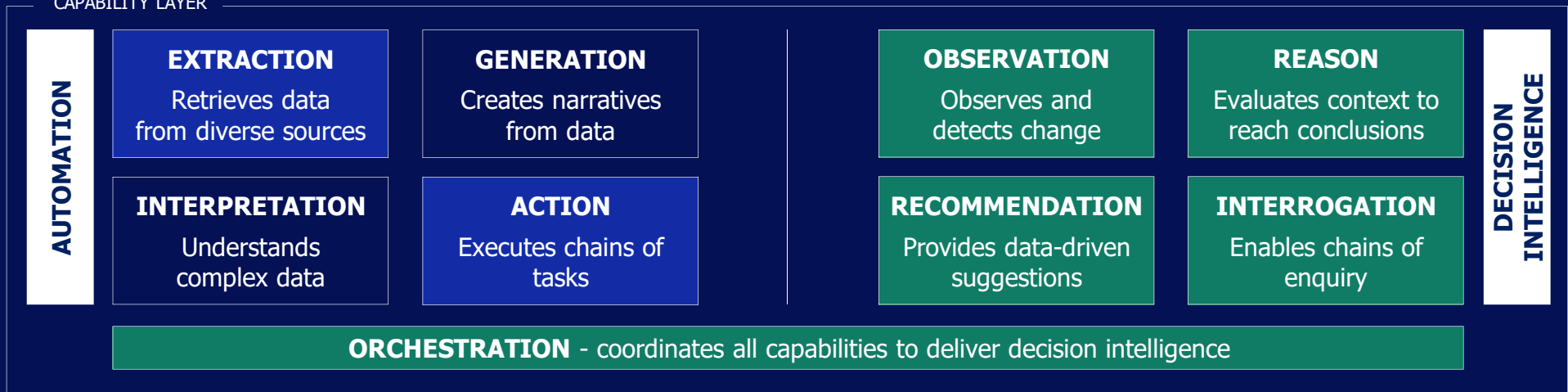
**First-of-its-kind Agentic  
AI in Pharmacovigilance**

# NavaX Horizon 2

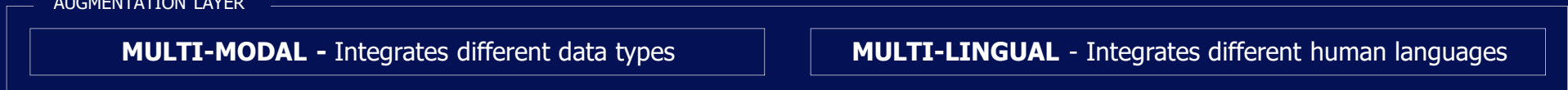
EVOLVING TOWARDS  
**AGENTIC**

**AGENTIC**  
BY DESIGN

## CAPABILITY LAYER



## AUGMENTATION LAYER



# NavaX Agents

## Key Features

- **Connects Safety & Regulatory verticals** - agentic orchestration bridges domains for unified workflow and insights
- **Multi-agent system** – agents work across both verticals
- **Agents also deployed against Horizon 1 challenges** - e.g., quality control, reducing human QC effort and strengthening audit trails
- **BYO Agent** - designed for seamless integration with customer and third-party specialised agents



**Private Preview**  
**Opens Apr 2026**

## What It Solves For

- **Misalignment** between regulatory requirements or PV Agreements and distribution rules lead to missed or over submissions
- **Compliance** risk if misalignment is not identified and resolved quickly
- **Time consuming** manual effort in reviewing regional regulations in multiple languages
- **Change management** and documentation gaps lead to inspection and audit findings
- **Rule configuration** is manual and time consuming

# DISTRIBUTION

# DISTRIBUTION AGENTS

# AGENTS

## What It Solves For

- **Fragmented**, siloed data reviews
- Signal detection is **reactive and late**
- **Manual data extraction**, analysis and interpretation **is time consuming**
- **Signal evaluation reports** take significant time
- **Limited real-time decision support**

# SIGNAL

# SIGNALS AGENTS

# AGENTS

## What It Solves For

- **Dispersed sources** of regulatory rules across global markets
- **Time consuming** analysis of regulations in multiple languages
- **Late adoption** of regulatory requirement changes
- **Inconsistencies** between regulatory data and content
- **Extensive** regulatory submission compliance reviews
- **Deficiencies** from Health Authorities
- **Disconnected** change management and documentation updates lead to inspection and audit findings

# DISTRIBUTION

# INTELLIGENCE AGENTS

# AGENTS

# NavaX Horizon 3

# Where Innovation Meets Reality

## XDI 2026

XDI is ArisGlobal's system-agnostic Data-Intelligence Cortex - our newest advancement, focused on transforming regulated life-sciences data into continuous, explainable, decision-grade intelligence across all domains.

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# XDI Goes Beyond

- **Beyond Platform**  
Intelligence goes to the data  
- wherever it lives.
- **Beyond Data**  
The next leap is federating meaning, not  
just federating data.
- **Cross-Domain Intelligence**  
Risk, quality, and compliance decisions  
confident and explainable at scale.
- **Industry-Shaping**  
Enabled by NavaX's Horizon 1 and 2  
capabilities to unlock  
**meaning-aware intelligence.**



**Automation** ROI today

**Agentic** ROI tomorrow

## Efficiency

FTE / cycle-time reduction (TAMS)

## Agentic Lift

efficiency & quality (amplified)

## Quality

accuracy, precision, recall, F1 score

## Return On Intelligence

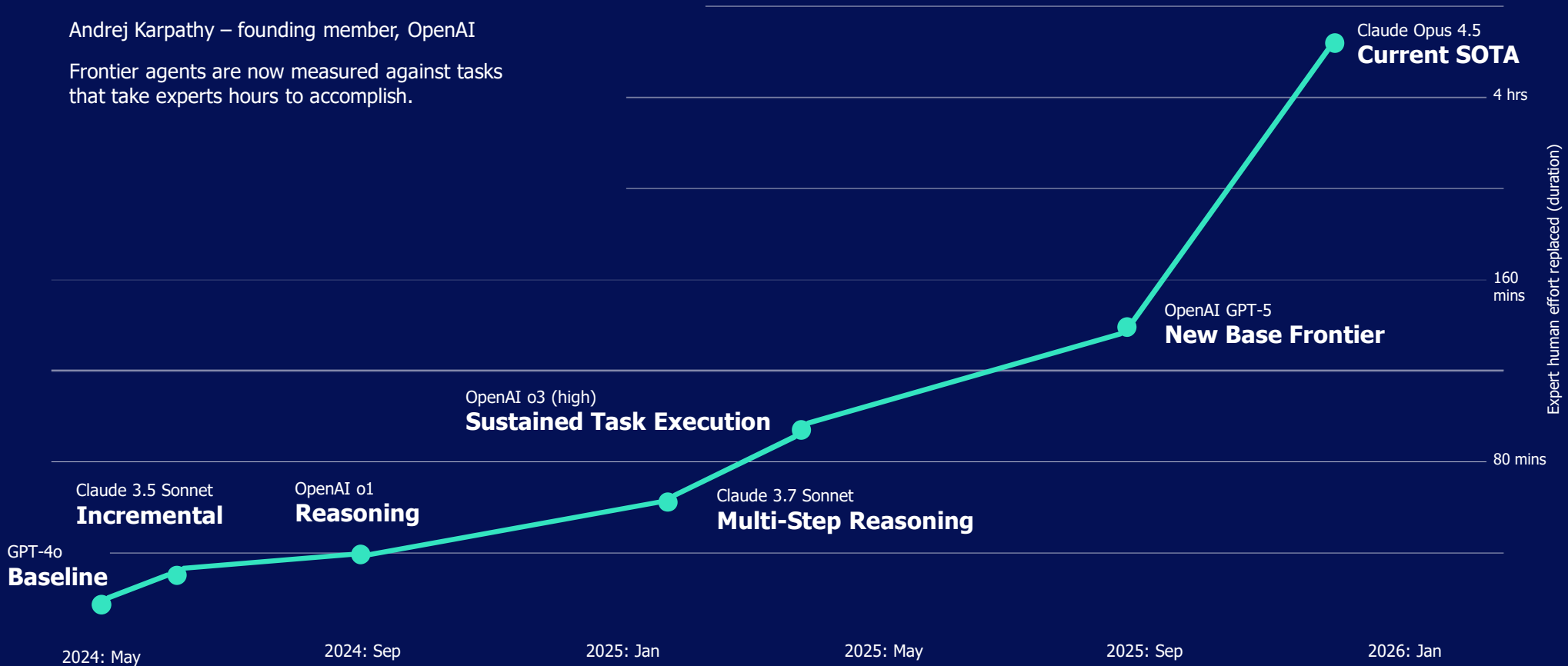
resource optimisation, decision time

Metrics are both **proof** and **catalyst** – value is captured when organisations use them to drive change, scale adoption, and capture **sustainable bottom-line impact**

# "The Decade of Agents"

Andrej Karpathy – founding member, OpenAI

Frontier agents are now measured against tasks that take experts hours to accomplish.



**Value is created when  
teams of experts stop doing  
the wrong kind of work**