10PM

3AM in London (GMT), 12PM in Tokyo (GMT+9)

3rd.1: The Knowledge Cosmos

Moderator: Todd N. Theriault, *Indiana University*

Panelists:

- Nikita Sridhar, *Client Engineering at IBM*
- Alec McGail, *NASA*
- Rifaa Tajani, *Innovative Designer at IBM*
- Jiabao Li, *The University of Texas at Austin*

ENVISIONING INTELLIGENCES

Aurora Mititelu

Alec McGail

Alec McGail is a computational sociologist whose research combines network science, natural language processing, and social theory to explore how knowledge is produced, remembered, and forgotten. He earned his PhD from Cornell University, where he studied citation dynamics, collective memory, and intellectual lineage in the social sciences. He now is a full-time contractor for NASA, building tools for designing and running LLM-Human workflows, which scaffold and gamify processes for brainstorming future scenarios and technological innovation in Convergent Aeronautics Solutions.
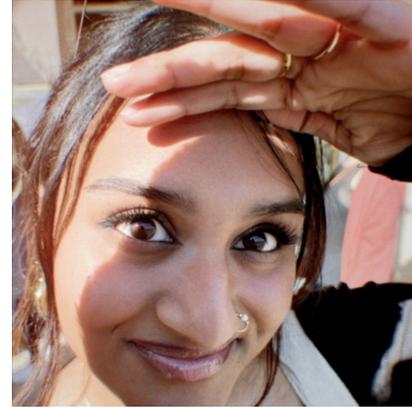
Rifaa Tajani

Rifaa Tajani is an artist, designer, and technologist whose work spans systems thinking, storytelling, and product design. She is currently a Master in Design Engineering (MDE) candidate at Harvard University and holds a B.A. in Design and B.B.A. Information Systems from The University of Texas at Austin. As an Innovation Designer at IBM, she works at the forefront of generative AI and emerging technologies to build tools that bridge user needs with technical possibility.

Nikita Sridhar

Nikita Sridhar is a UX designer and researcher based in New York City with a background in mechanical engineering and a master's degree in User Experience and HCI from the University of Michigan. Her work spans interdisciplinary collaboration, immersive technologies, and sustainable design, with a focus on making complex systems accessible and engaging. At IBM Client Engineering, she leads human-centered design for enterprise AI solutions.
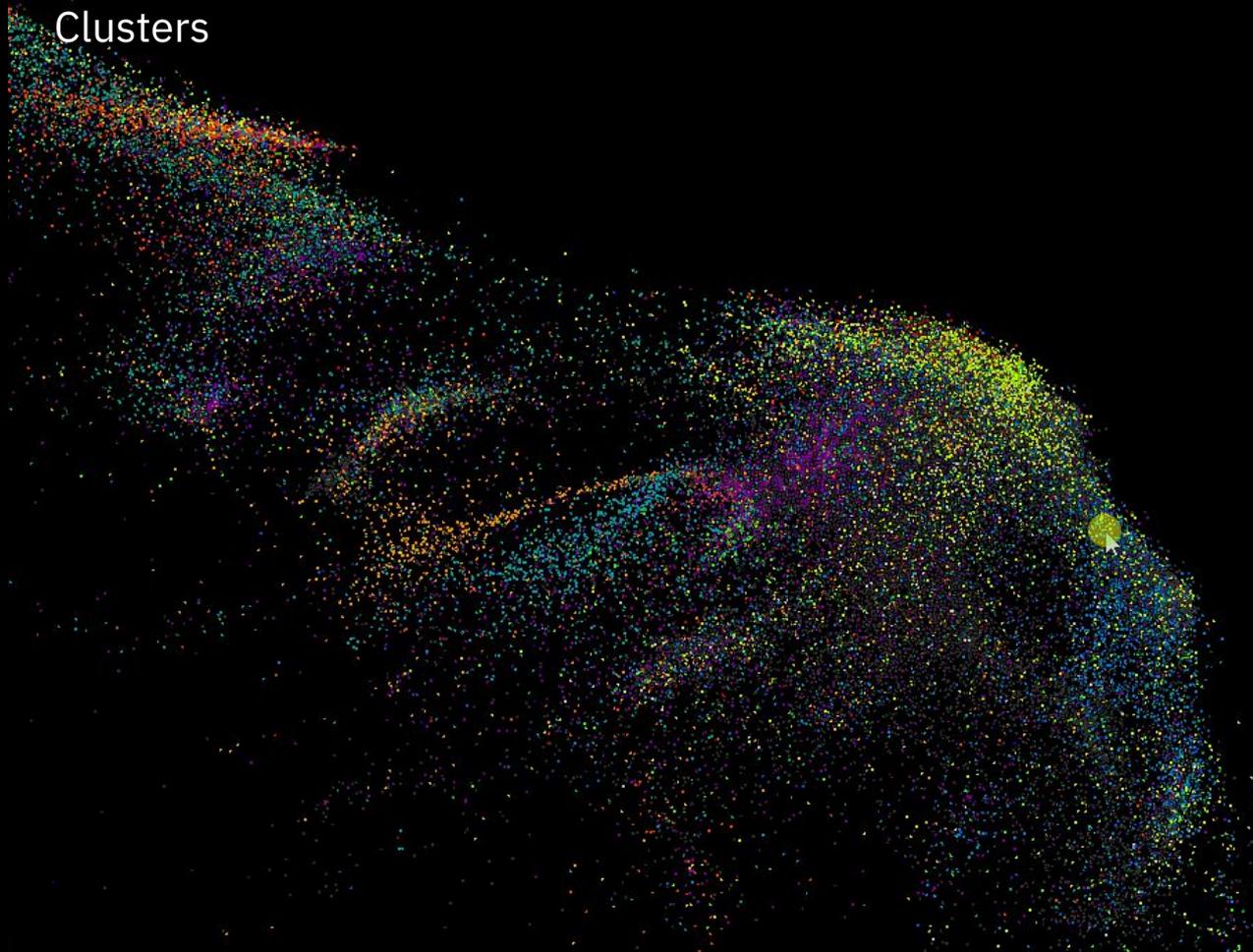
The Knowledge Cosmos

A Playful, Immersive Platform for Interdisciplinary Research Discovery

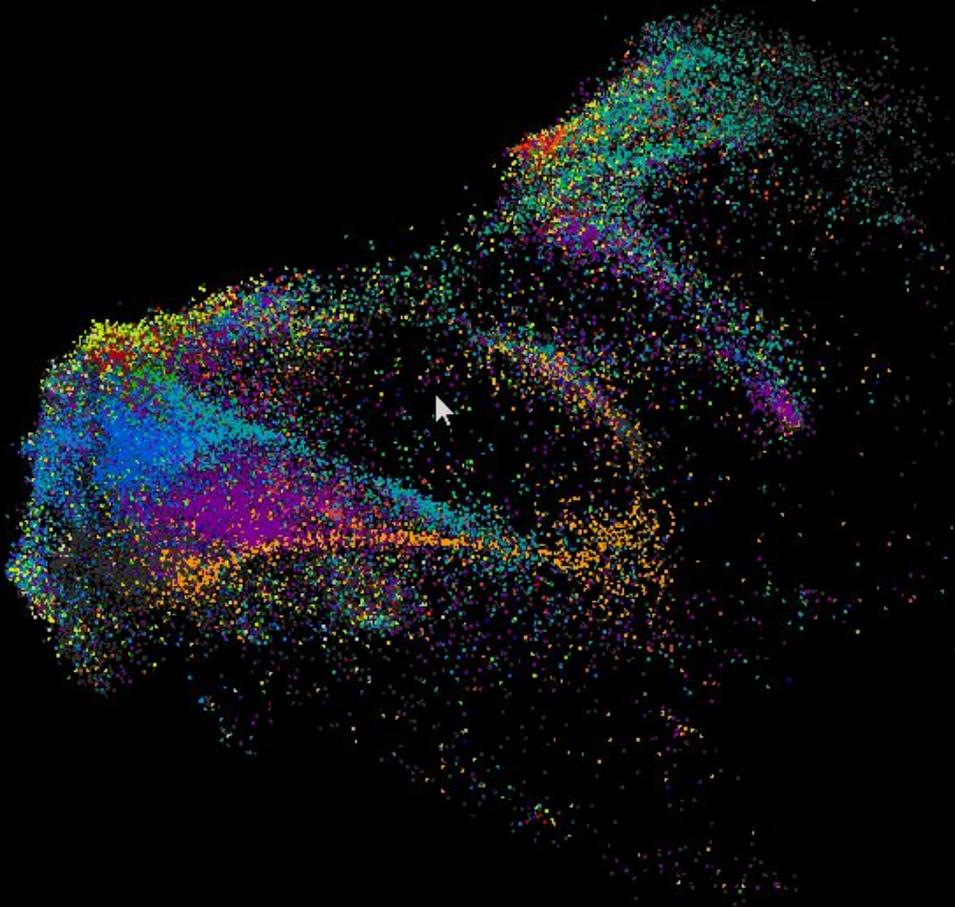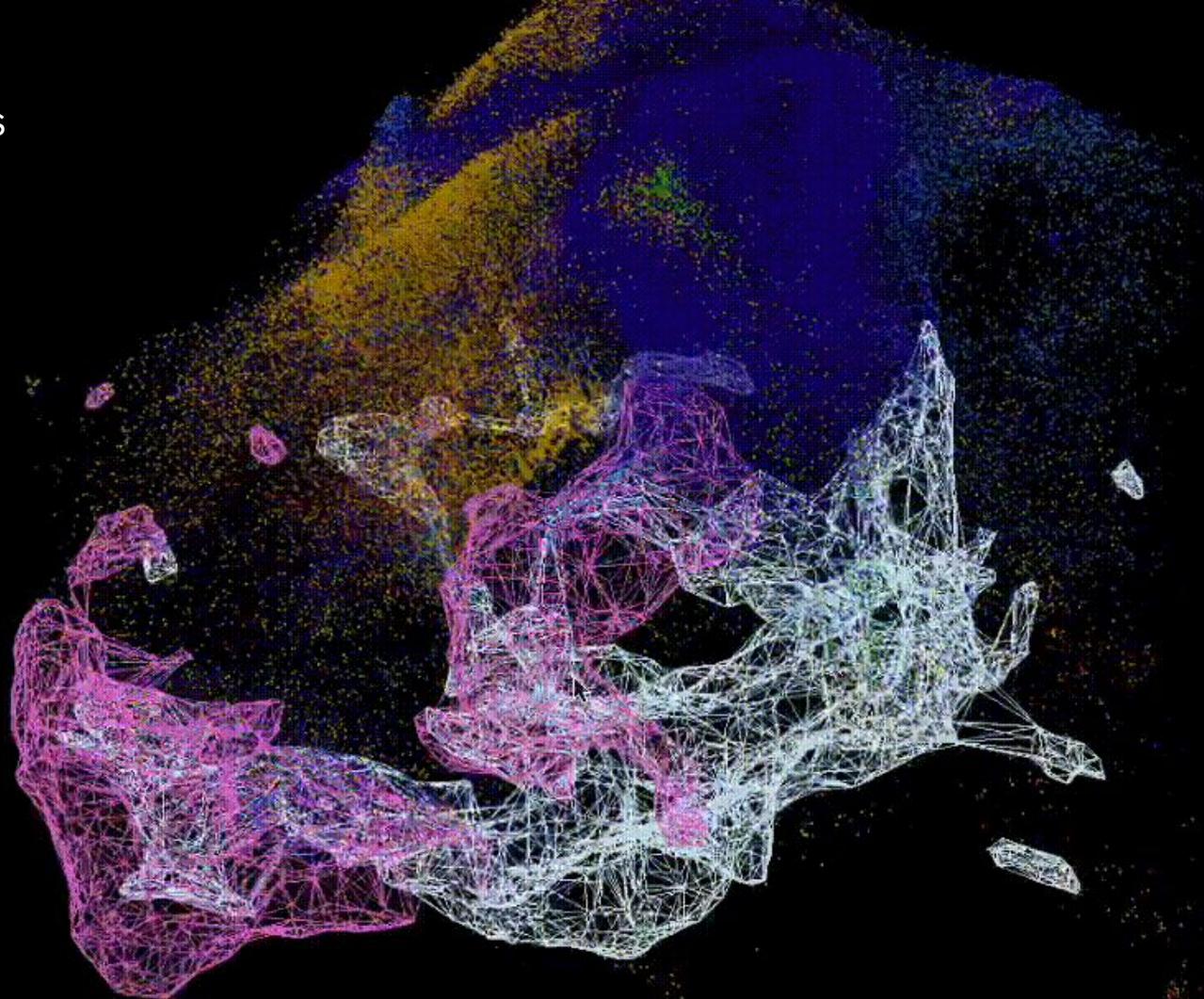Alec McGail, Rifaa Tajani, Nikita Sridhar

THE KNOWLEDGE COSMOS

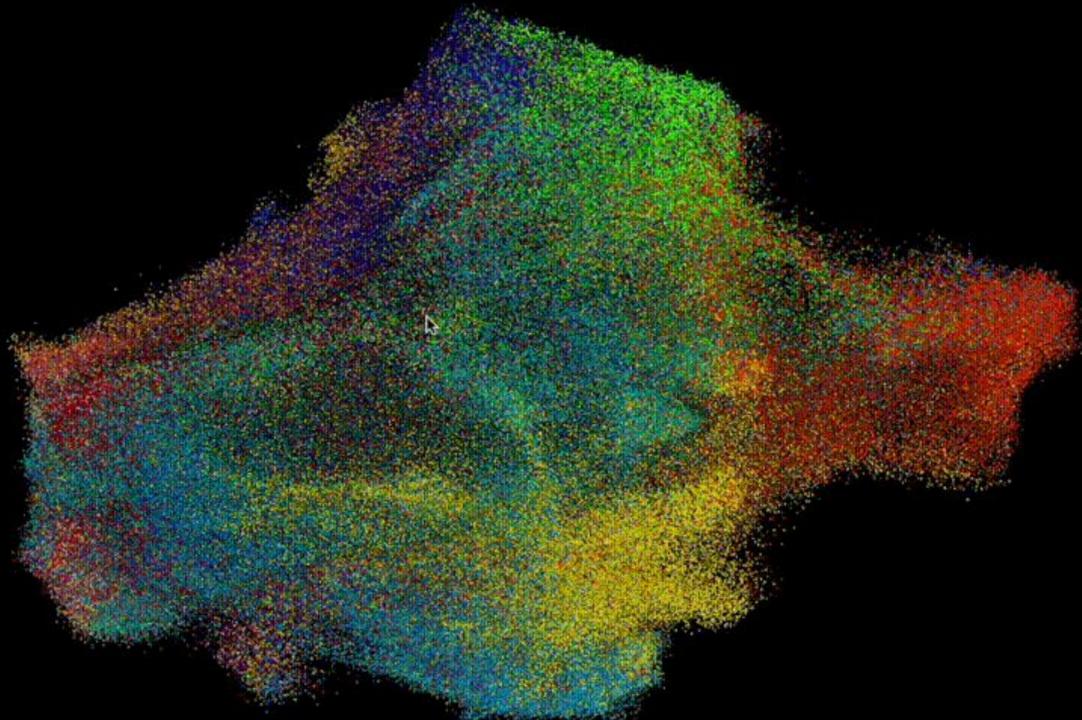The Cloud

1901-1912

Clusters

Gaps

Intersections
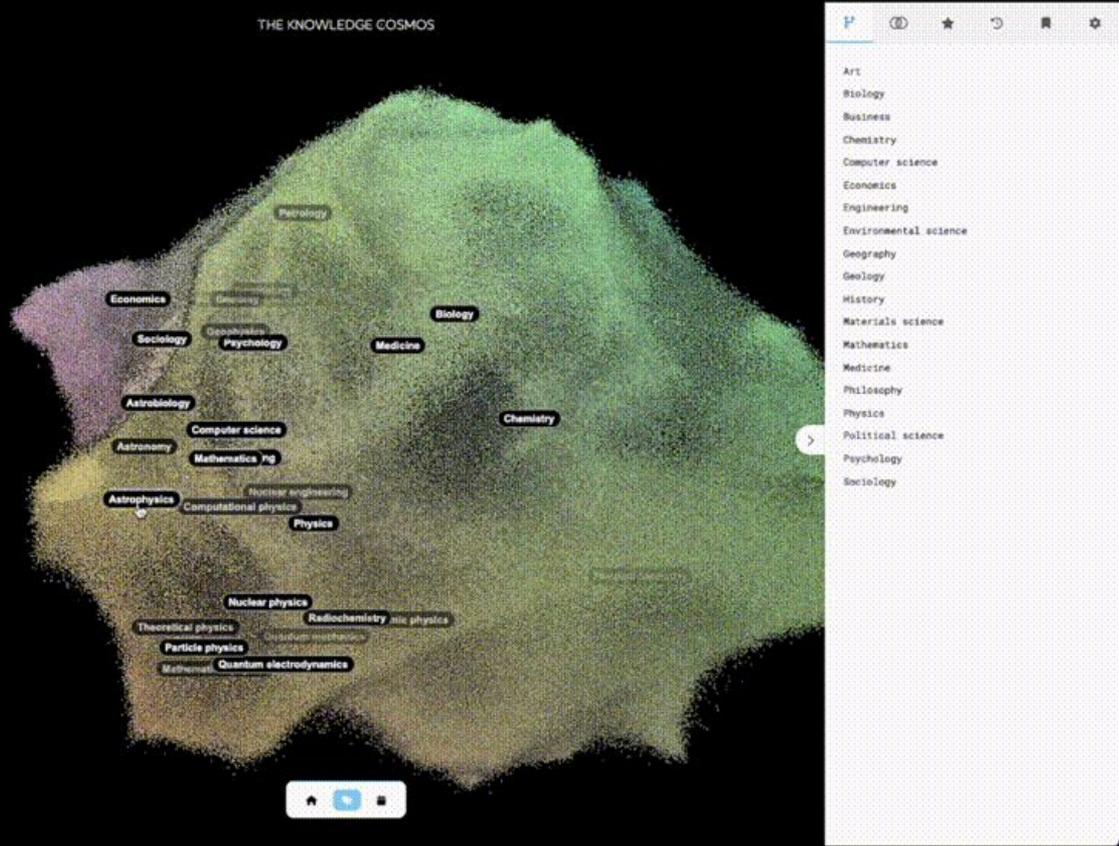
THE KNOWLEDGE COSMOS

Select two academic fields to explore
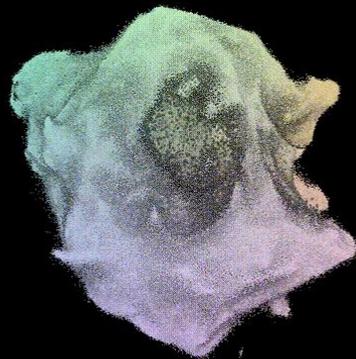their intersection.

- Art
- Biology
- Business
- Chemistry
- Computer science
- Economics
- Engineering
- Environmental science
- Geography
- Geology
- History
- Materials science
- Mathematics
- Medicine
- Philosophy
- Physics
- Political science
- Psychology
- Sociology

Constellations

The Cosmos

Demo

Next

Contributors and Collaborators Welcome!

More data; Different datasets
Mapping the negative space
Collaborative storytelling
VR experience; Other modalities
Temporal embeddings
Network traversal
Multiscale design

And so much more...

Use It www.theknowledgecosmos.com
Reach Out info@theknowledgecosmos.com

Questions?

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Reach Out   info@theknowledgecosmos.com

Give it a try!

Now is the time for you to dive in, explore, be creative.

Navigate to www.theknowledgecosmos.com, and click **Enter the Cosmos**.

To Do   Wander; Wonder

To Try   Filters; Constellations; Double-Click; Bookmarks

To Tell   What; Why; What Next? (Mural)

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Aurora Mititelu