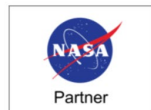# More than just a Digital Library

Mugdha Polimera and The ADS Team

ADS Users Group Meeting, 20-21 Nov. 2025

ADS has evolved over the last 30 years...

... and yet most people use and think of only the search bar

In the process of this evolution, we have built so much *more than just a digital library*

5 Core Pillars
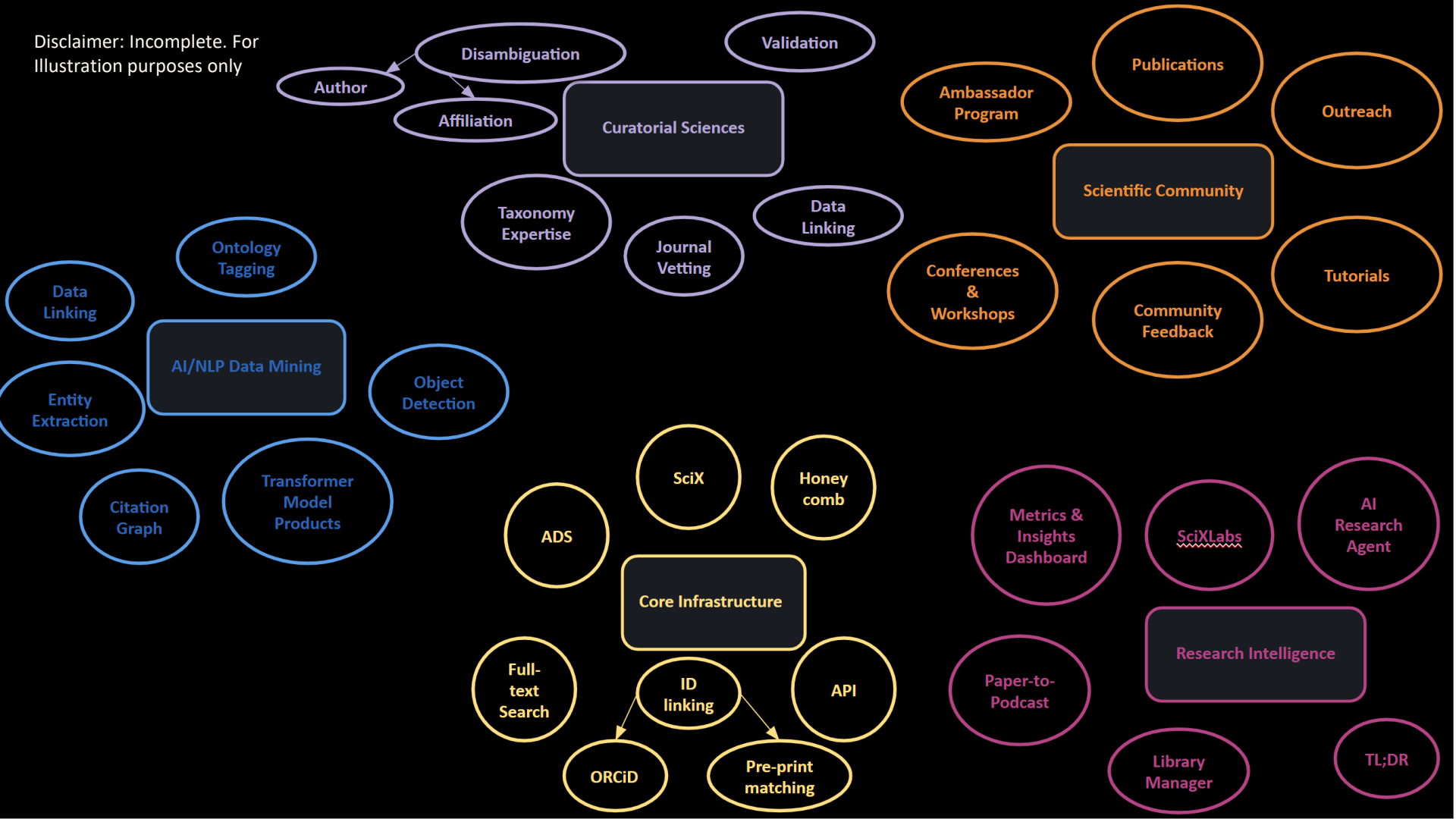## of what we do

Curatorial Sciences

Scientific Community
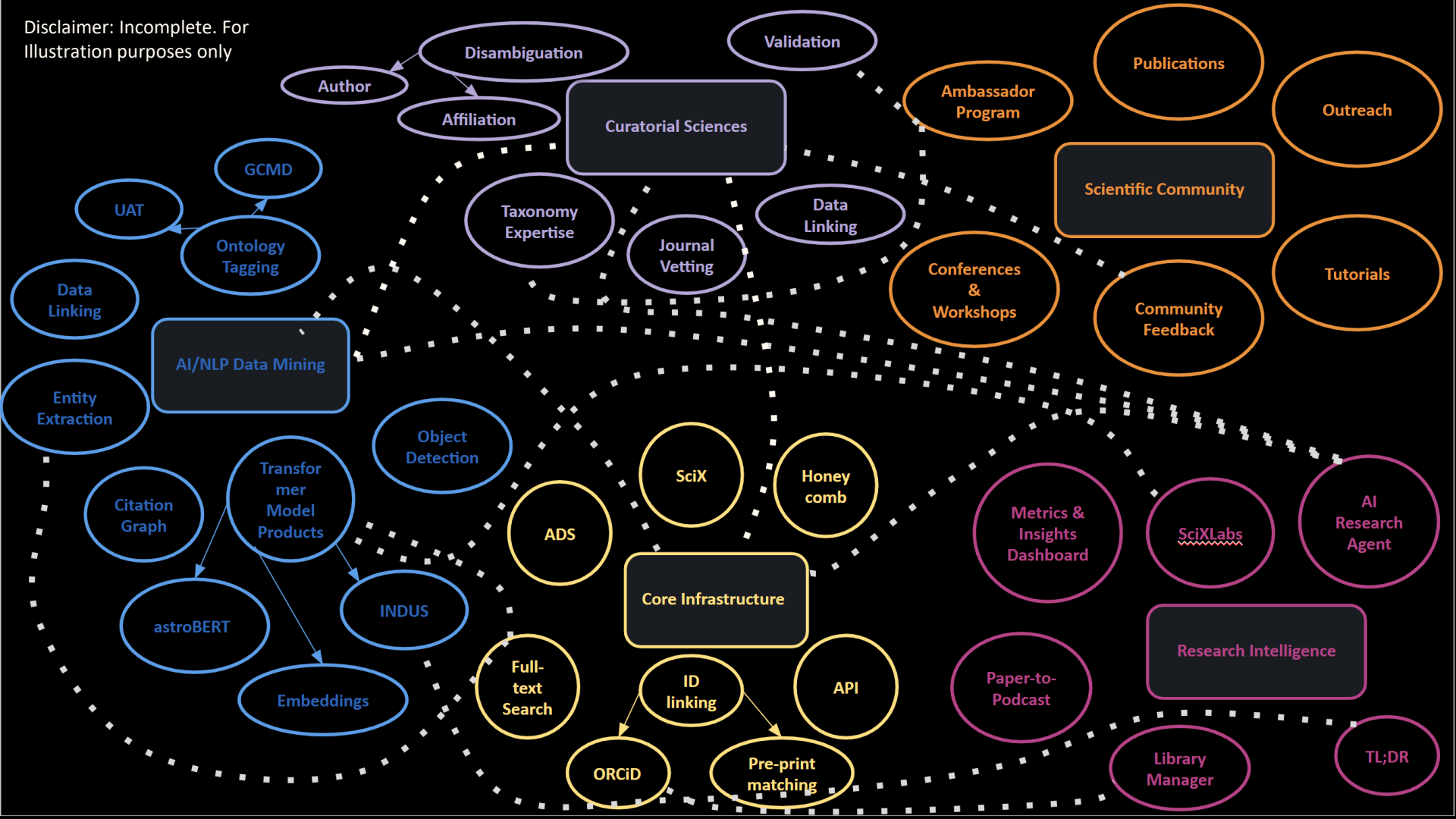
AI/NLP Data Mining

Core Infrastructure

Research Intelligence

Disclaimer: Incomplete. For
Illustration purposes only

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We have built a behemoth of **research infrastructure,** far beyond the popular ADS/SciX Digital Library interface

Our infrastructure could easily be a solid trusted base to build other tools and infrastructure for the scientific research community, especially as we seem to be <u>heading towards an AI-centered future</u> – **trusted, curated, and relevant** content from ADS/SciX will be the **perfect foundation** for any future AI system that supplement knowledge systems

What we want to do:
* ★ We want users, funders, collaborators, and partners to understand better what we do and *everything* that we have to offer.
* ★ Make it easy for funders to get highest ROI and use ADS/SciX infrastructure to build future tools instead of starting from scratch

We would like to showcase that we are *more than just a "Digital Library"...*

We are a team that builds research infrastructure and tools for the scientific community using information sciences, software engineering, and AI/ML techniques guided by expert curators and career scientists.

NASA has spent ~50M USD in funding us for 30+ years.
We would like to maximise the return on this substantial investment and position ourselves as *the team* to trust with building out future tools and services, by leveraging all the progress we have made over three decades

Questions?

astrophysics
data system