

Advanced Analytics & AI (3AI) Platform



Empowering Research Revolution: Unleashing the Potential of AI and Advanced Analytics with Intersect's 3AI Platform

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- National Digital Research Organisation
- Not-for Profit
- Membership Based and Founded by Universities



Physical presence in
NSW, SA, VIC, ACT

Established in 2008

Members



Nectar Node

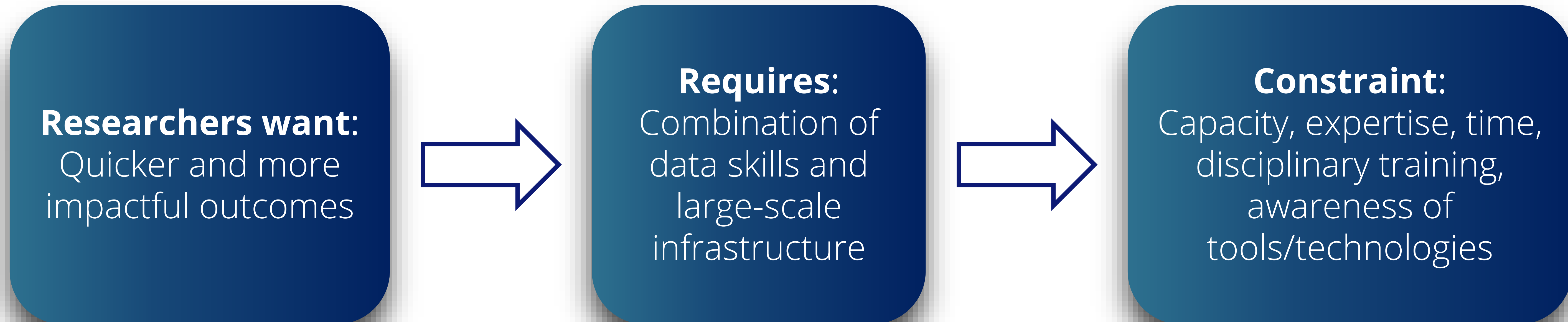


HPC Collaborators

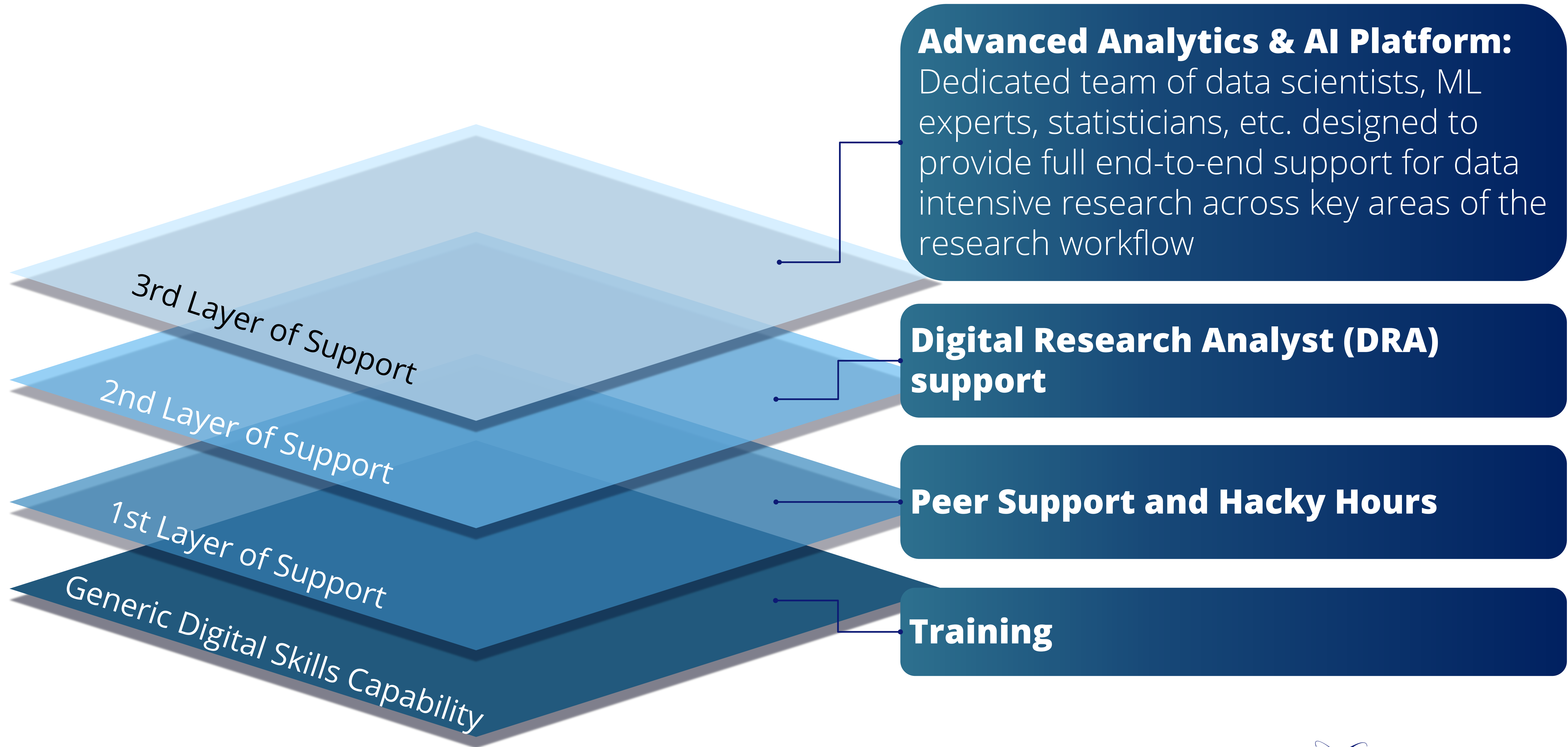


2021 National Research Infrastructure Roadmap

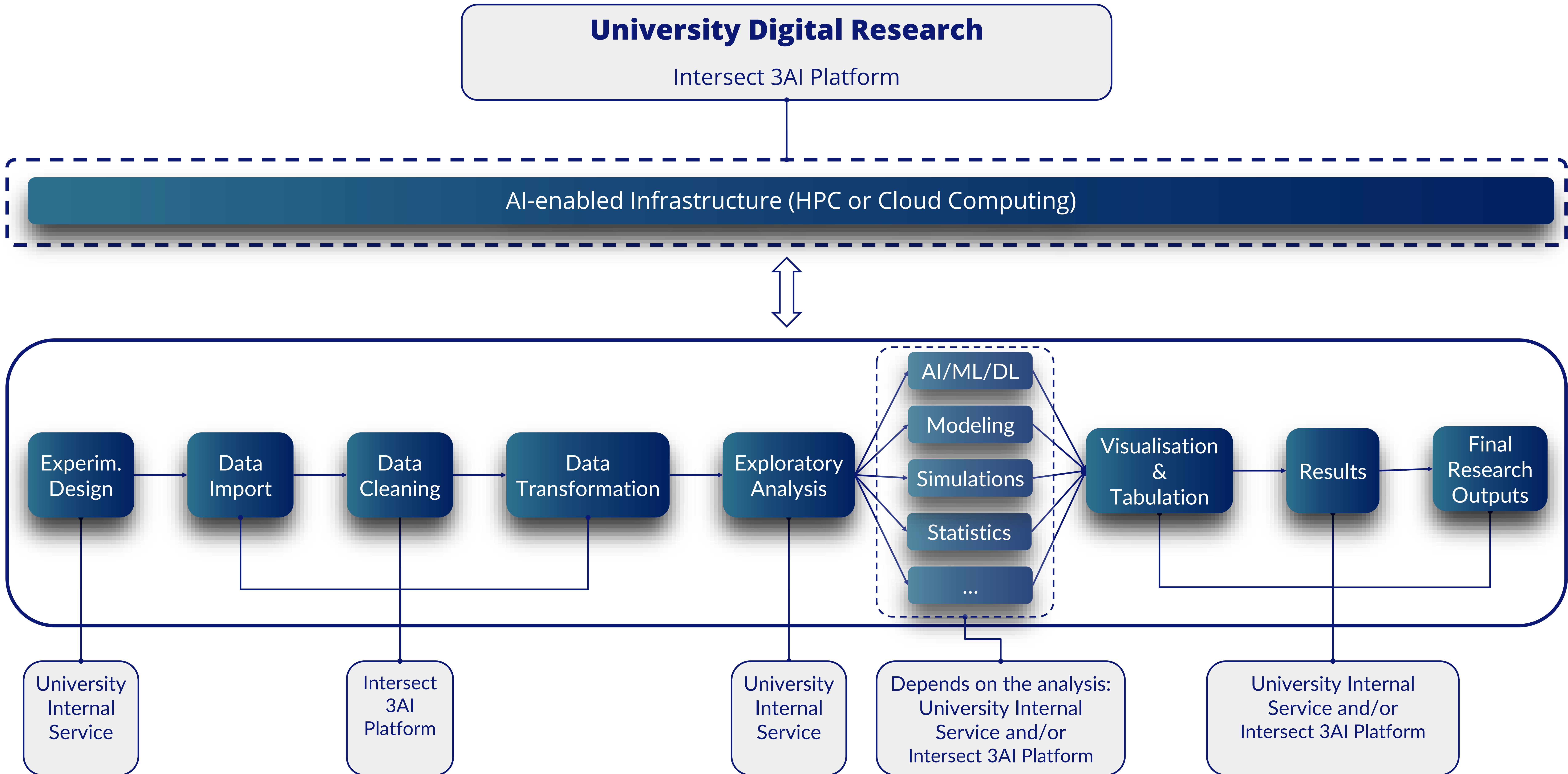
“Rapid advances in computing techniques and analysis, and management of large and complex datasets, have resulted in **researchers no longer having sufficient expertise in data management, computational and analysis techniques.**”



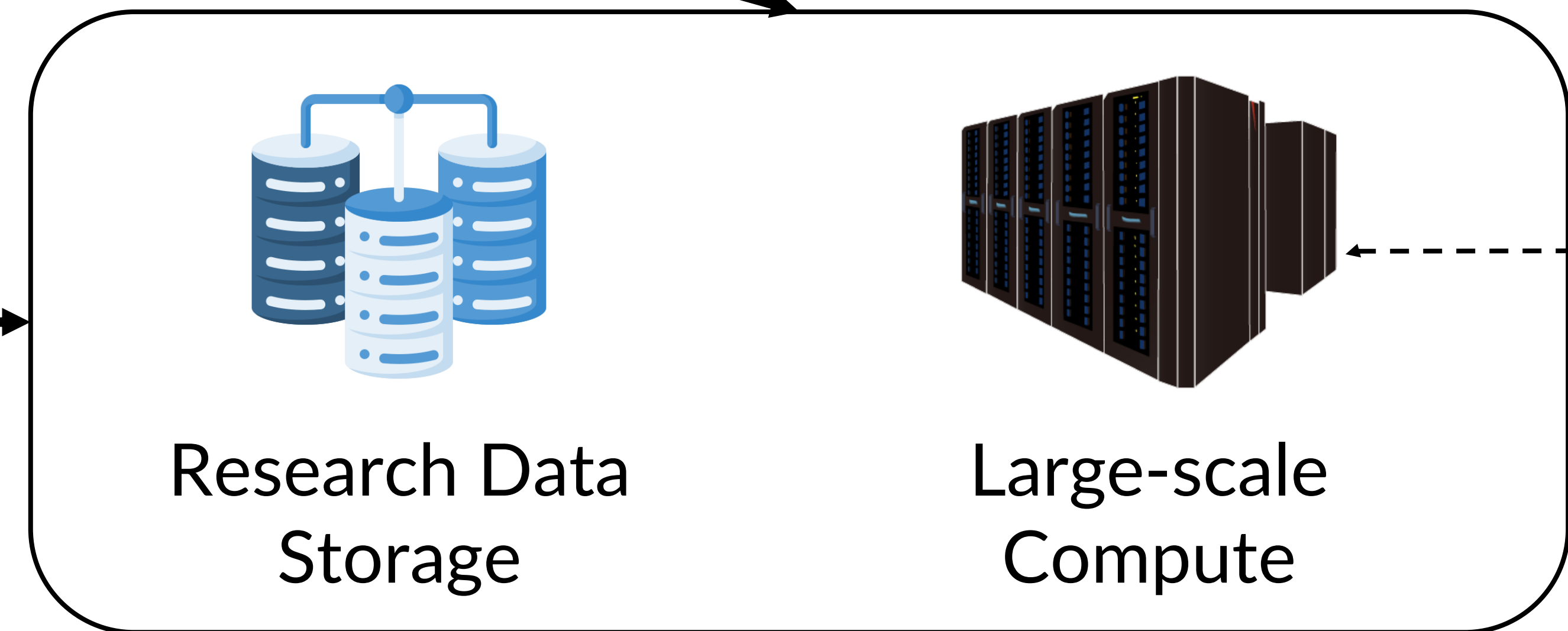
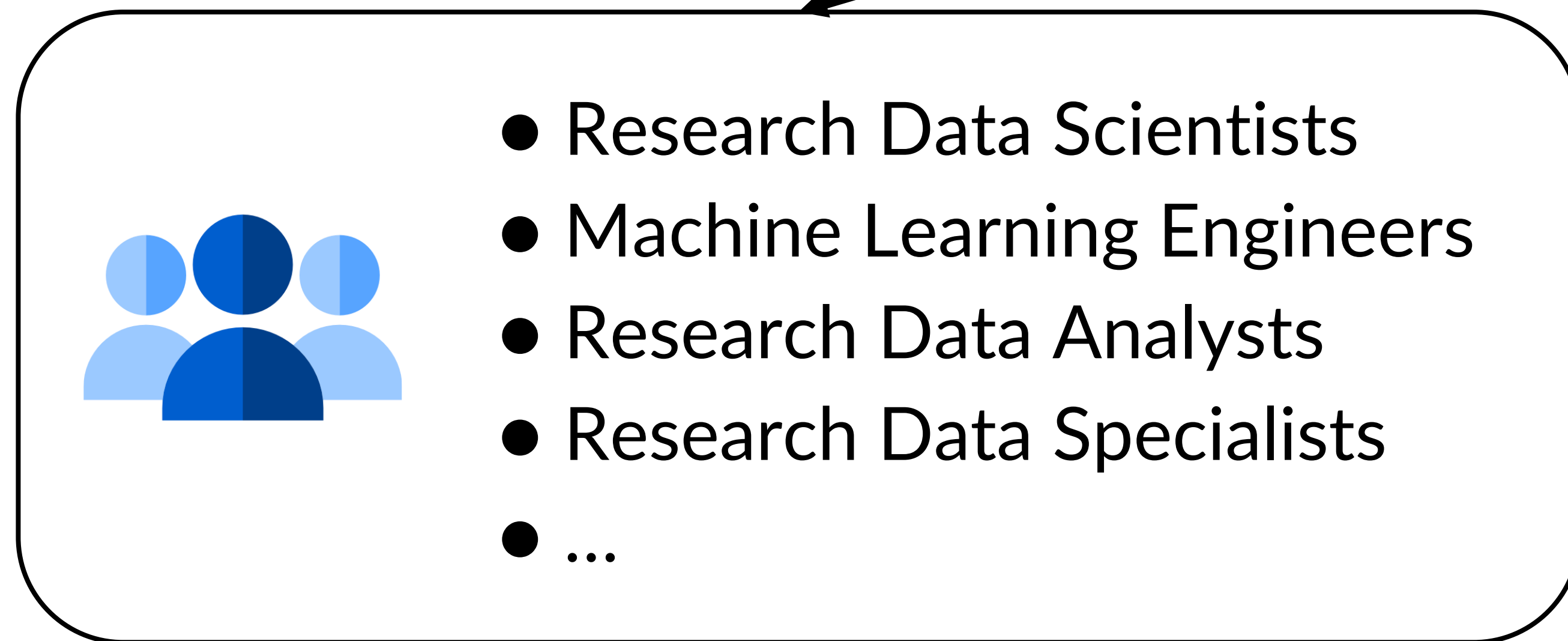
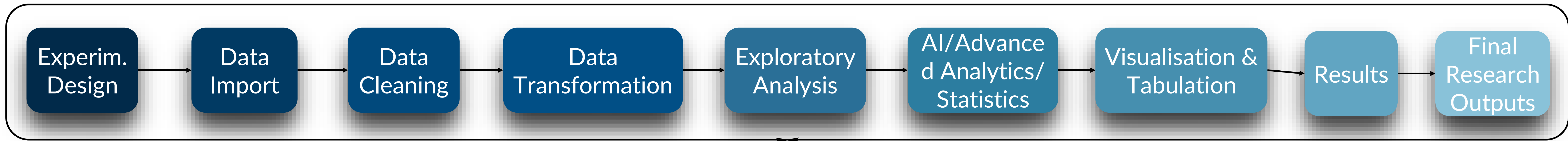
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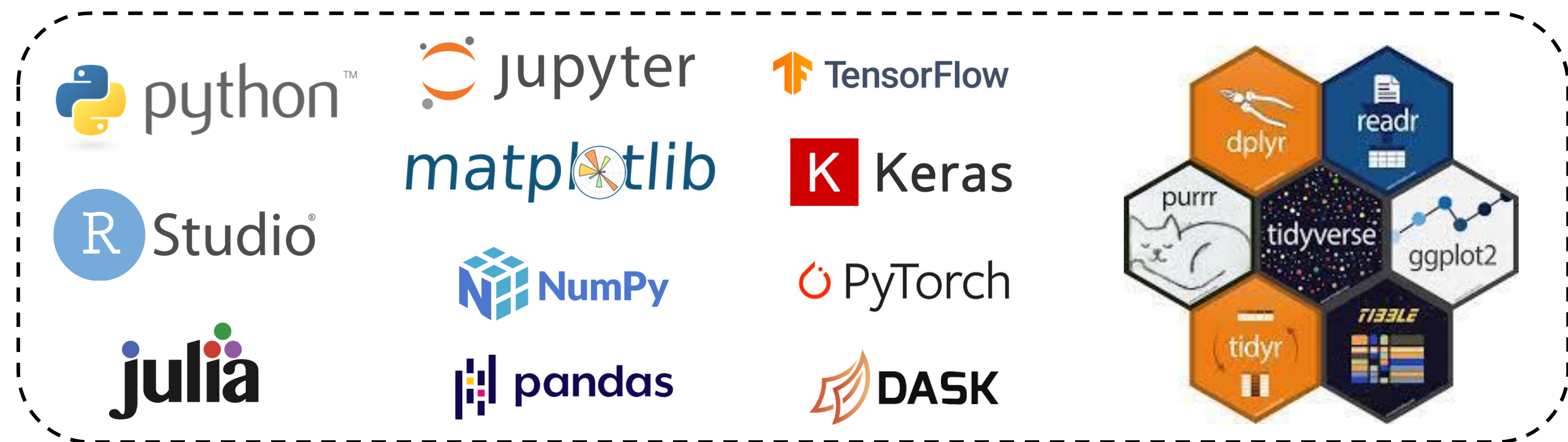
Complement/Augment internal Services with **Intersect 3AI Platform**



RESEARCH WORKFLOW



INFRASTRUCTURE



Ecosystem of software and libraries needed for advanced analytics and AI*

*The software & libraries listed is only indicative. Additional software might be needed depends on the use case and research needs.

1.

**AI- & Data Science-
ready
Infrastructure &
Operations**

2.

**AI & Data Science
Application
Support**

3.

**Project-based
AI & Data Science
Support**

1. AI- & Data Science- ready Infrastructure & Operations

Enable the full AI capabilities of **stable, scalable** and **sustainable** high-performance infrastructure and operations

- **Empower organisations** by making large-scale infrastructure AI-enabled and AI-ready to fuel ground-breaking research.
- Applied Data Science to **effortlessly streamline and automate workflows and pipelines**, enhancing operational efficiency

2. AI & Data Science Application Support

By researchers to researchers:

Scalable and sustainable support for AI/Data Science applications

- **Accelerate research** providing **personalised, expert guidance and hands-on research support** from leading AI and Data Science specialists.
- **Tailored** to meet specific needs and requirements

3. Project-based AI & Data Science Support

Accelerate any individual research or operational project with AI/Data Science

- Full **end-to-end** comprehensive **hands-on support** available at every stage of the project.
- Designed for **data-intensive research** and **operational projects**
- **Personalised strategies** and **insights** catered specifically to the unique goals and objectives of the project

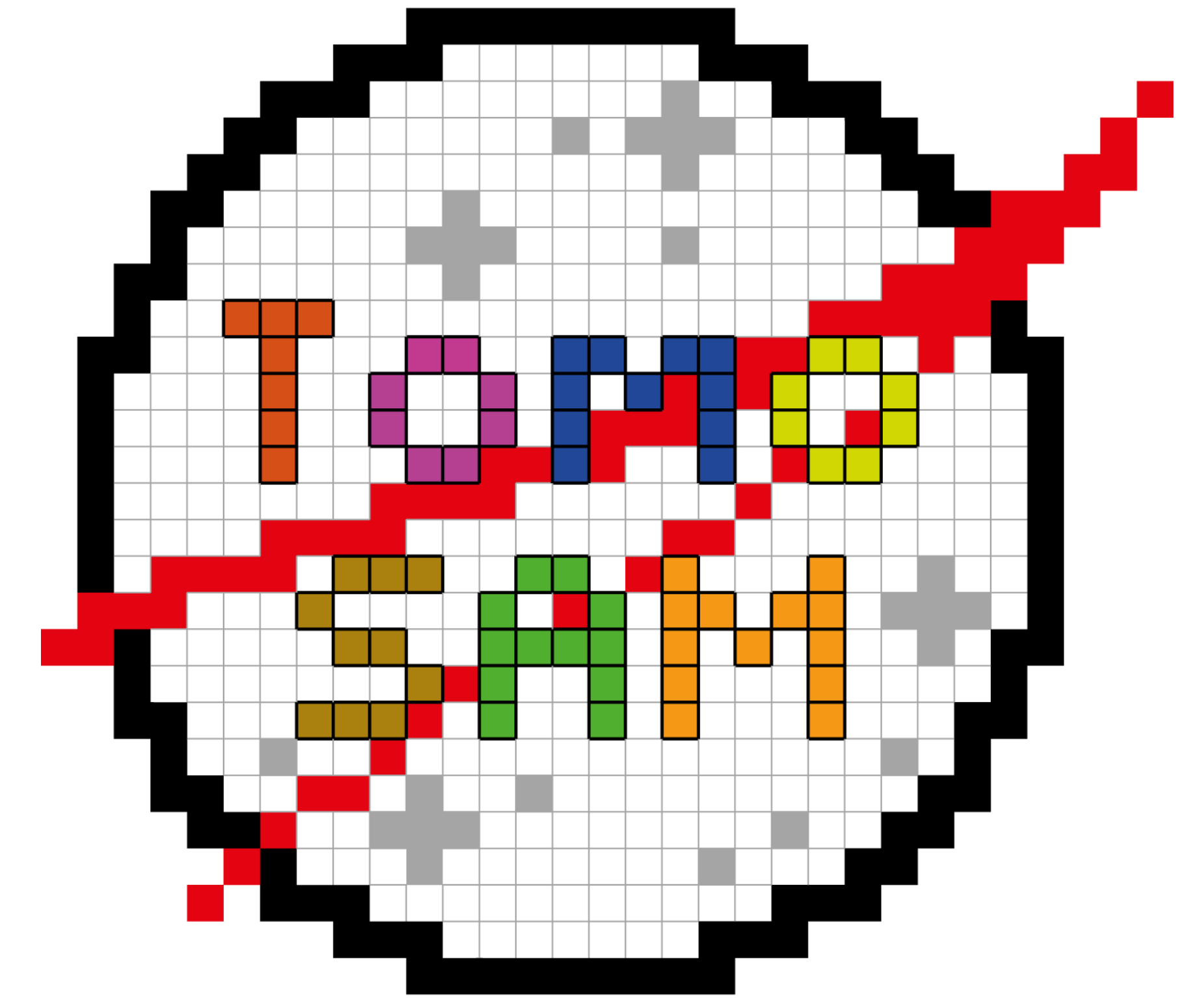
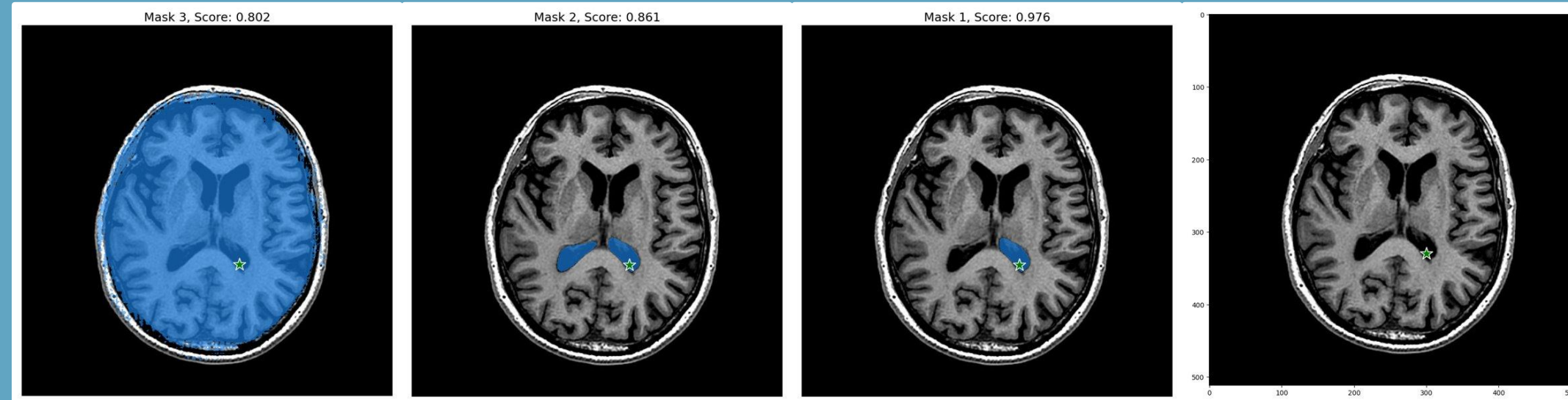
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Case Studies



Research use cases of Machine Learning

AI in Medical Imaging



AI Computer Vision Research

Segment Anything Model (SAM): a new AI model from Meta AI that can "cut out" any object, in any image, with a single click

SAM is a promptable segmentation system with zero-shot generalization to unfamiliar objects and images, without the need for additional training.

[→ Try the demo](#)

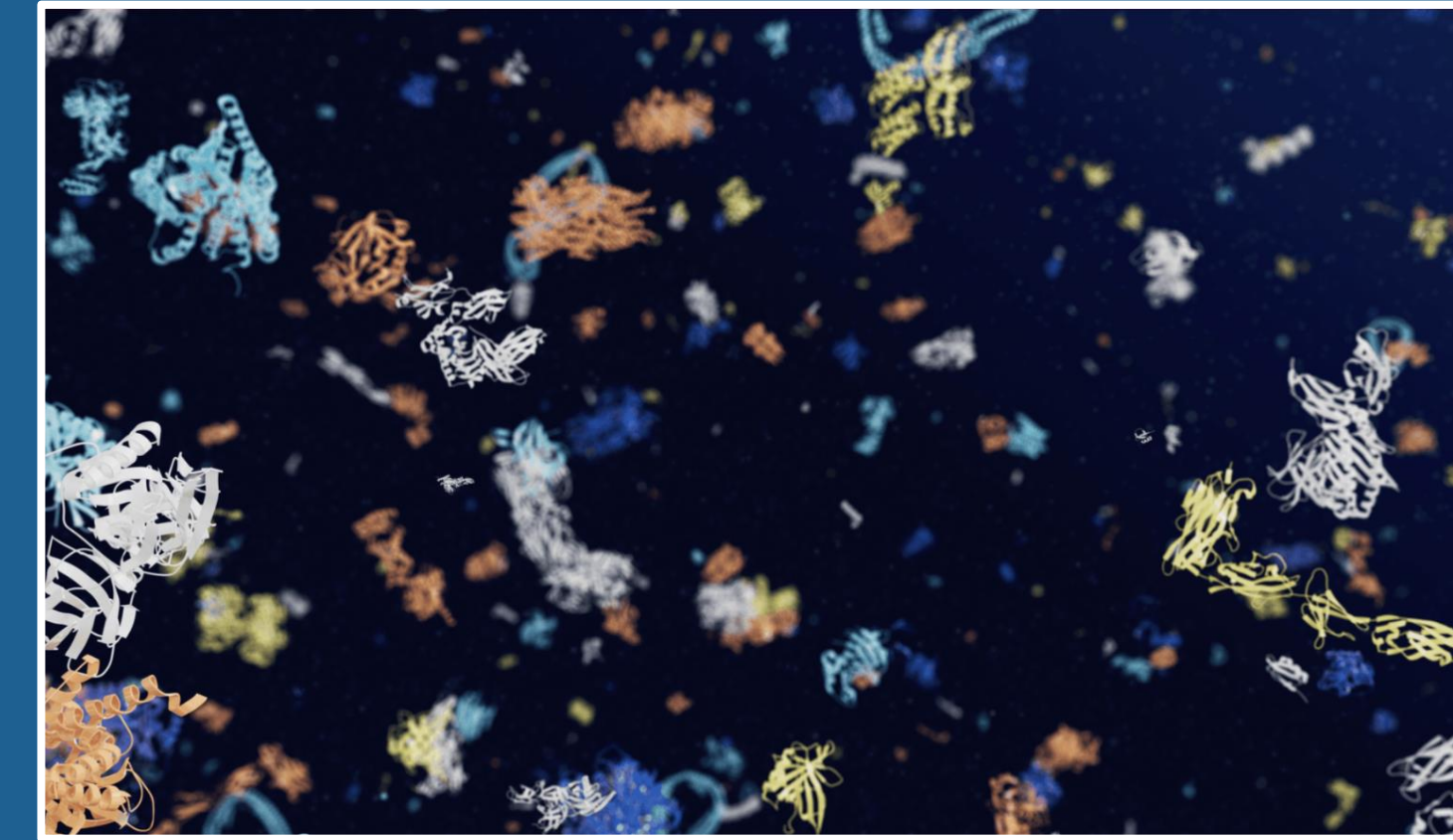


Research use cases of Machine Learning

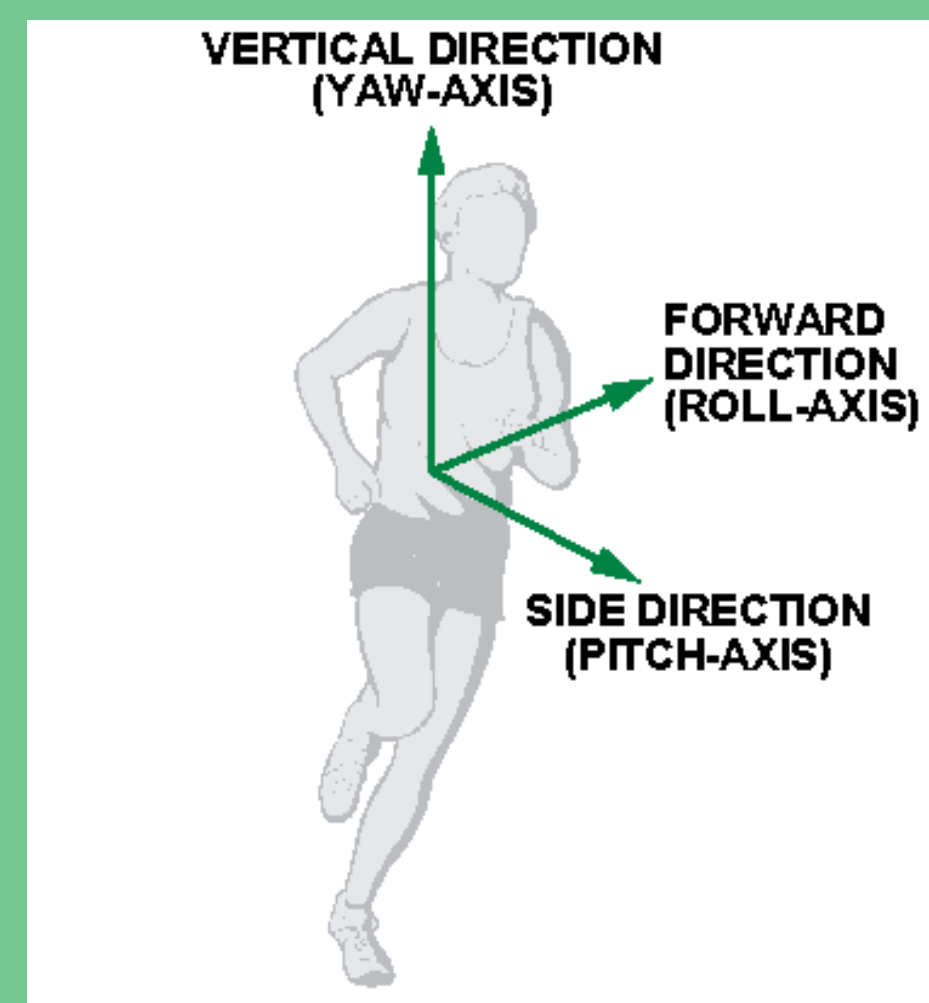
ML for object tracking & image recognition



ML to predict protein structure



ML in Sports Science



ML in Applied animal welfare



Intersect Advanced Analytics & AI (3AI) Platform

Enhance your Research Services & Research Impact with expertise in Data Science, Artificial Intelligence, Advanced Analytics, Statistics, and more, with access to Intersect 3AI Platform



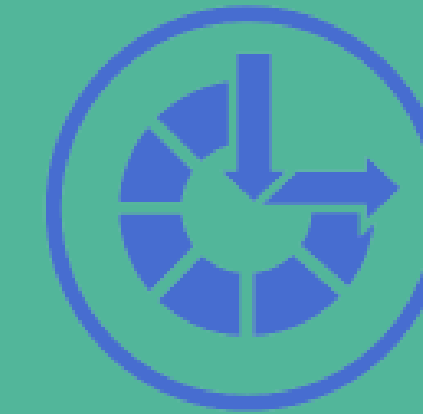
FASTER OUTCOMES



RESEARCH IMPACT



RECOGNITION



EASY TO ACCESS



REPORTING

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