



Safelnsights

A New Hub for STEM Education Research At Scale

JP Slavinsky, Executive Director

May 2024

NSF ECR PI Meeting

Washington DC

Safelnsights's edtech and university roots

We are **Rice University** and we are **OpenStax**, an edtech & R&D company

- one of world's largest OER publisher
- digital textbooks & learning experiences
- 69 K-12 and college texts, 11 in progress
- 19 million website users annually
- 7 million students / 77k instructors
- 70% of US colleges and universities
- several texts #1 in the market
- 91 edtech business partners
- disrupting educational publishing



contact us!

What is Safelnsights?



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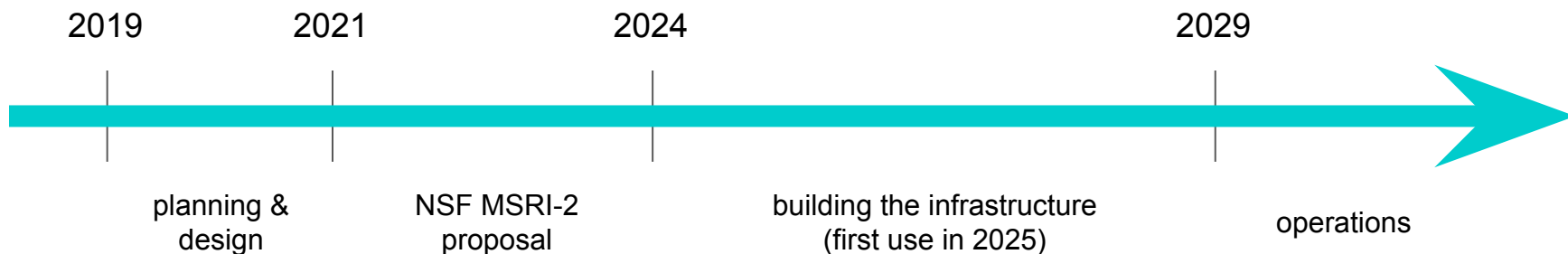
Safelnsights is a hub that safely connects:

- Educational institutions
- Digital learning platforms
- Researchers

to work together to understand more about learning and education.



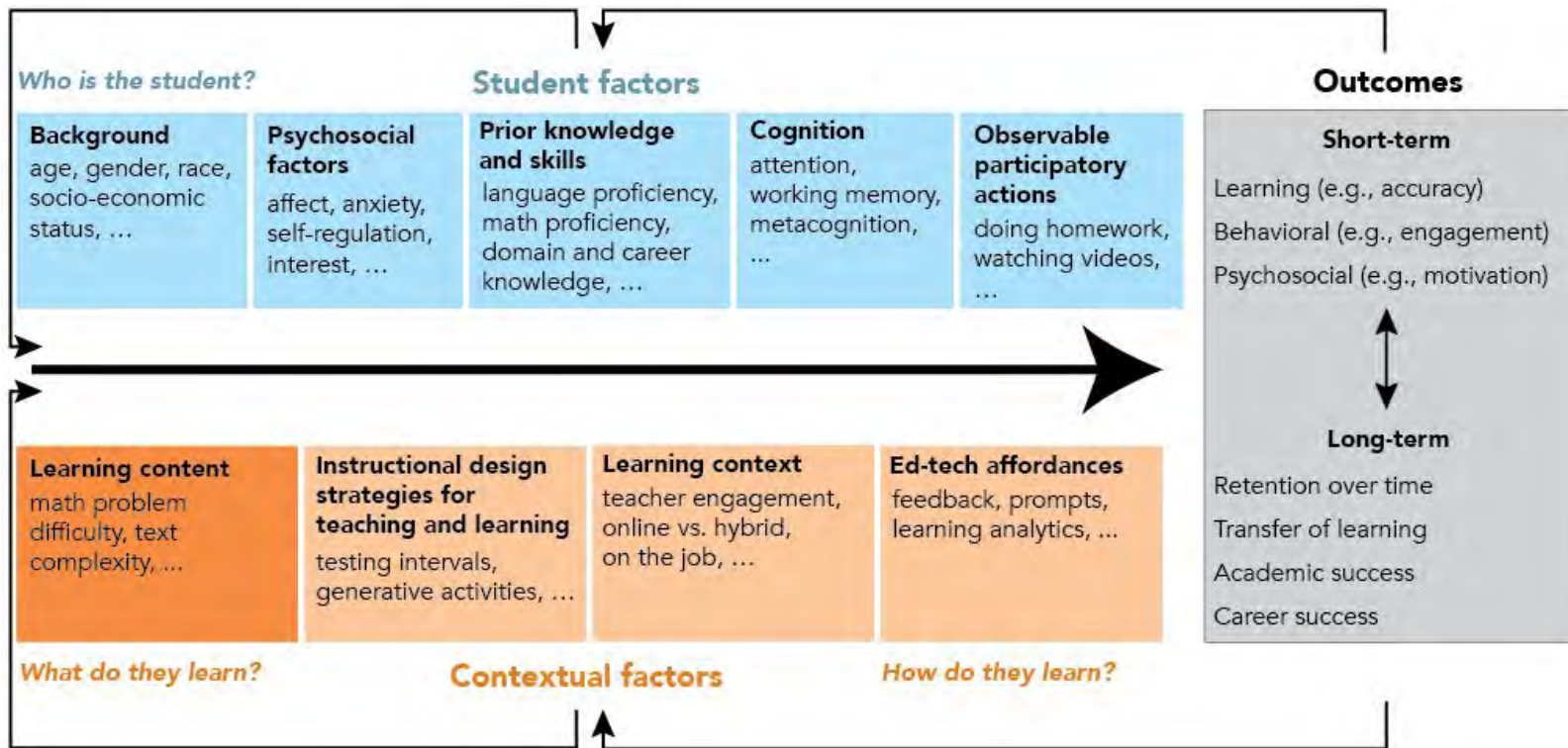
Safelnsights Timeline



- Awarded May 1, 2024!
- \$90M program
- 20+ institutions
- First MSRI-2 for NSF EDU



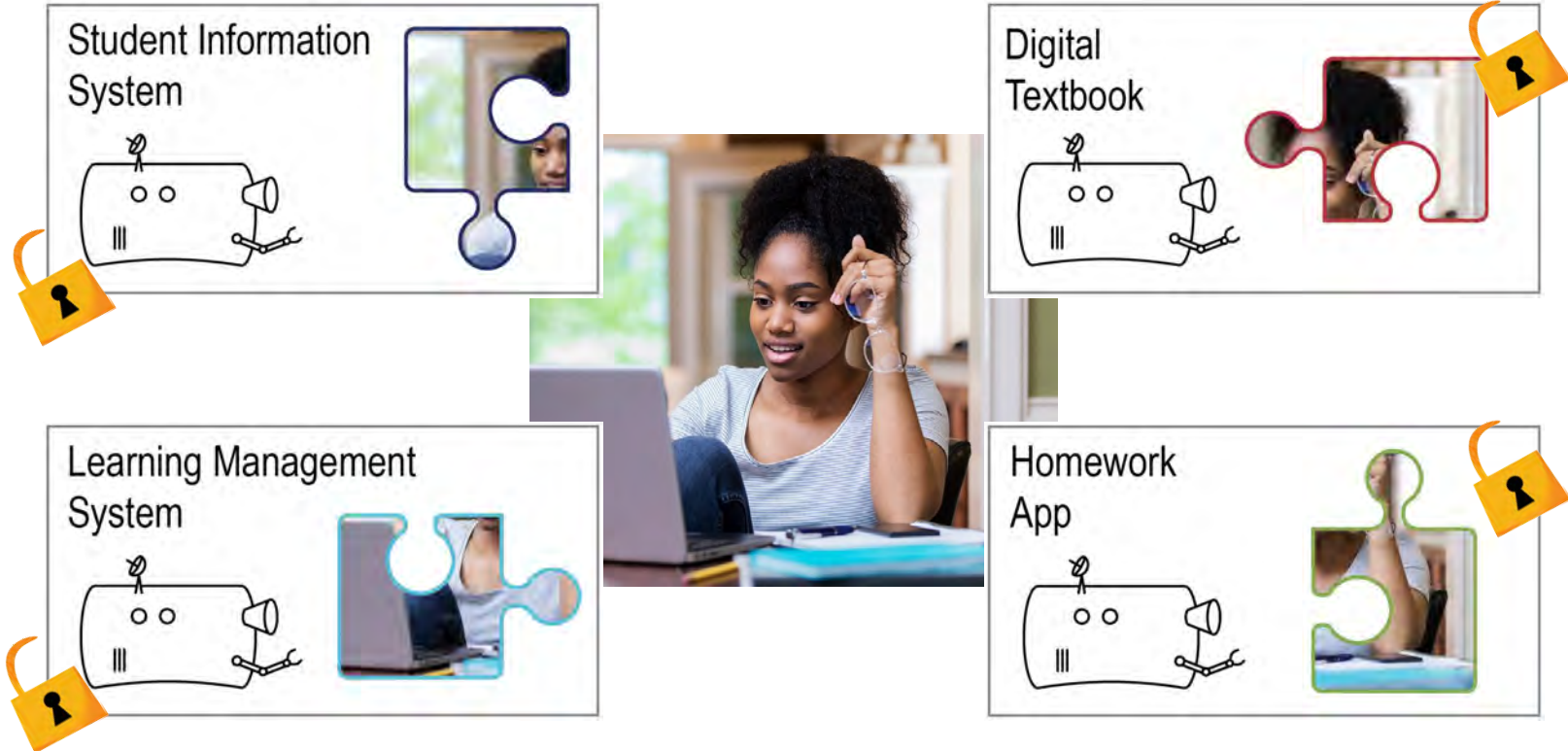
Human learning is complex and contextual



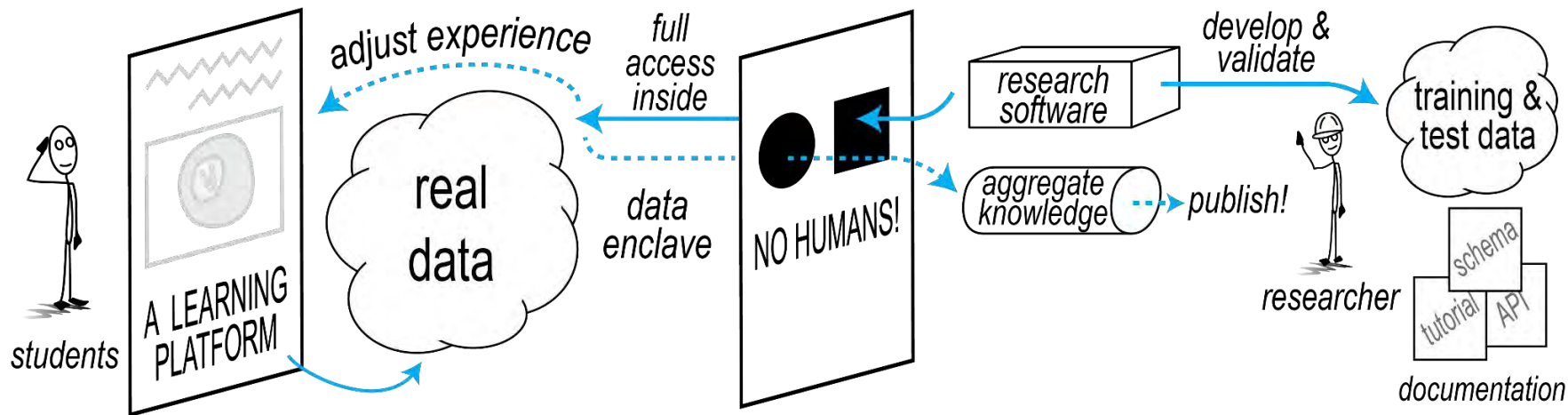
Researchers need to be able to

- Access large and diverse populations of learners
- Efficiently study learners over extended periods of time
- Efficiently study learners across different contexts and content
- Access efficient, smart research infrastructures
- Be supported by schools, edtech platforms, and fellow researchers

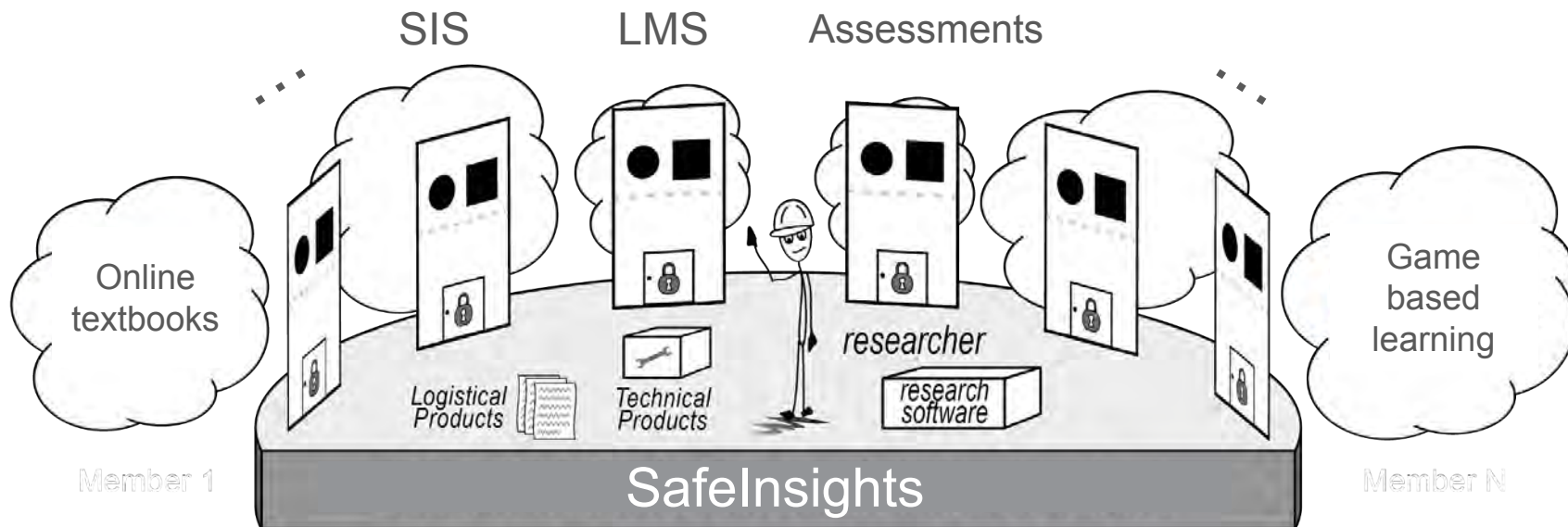
Learning data remains siloed across DLPs



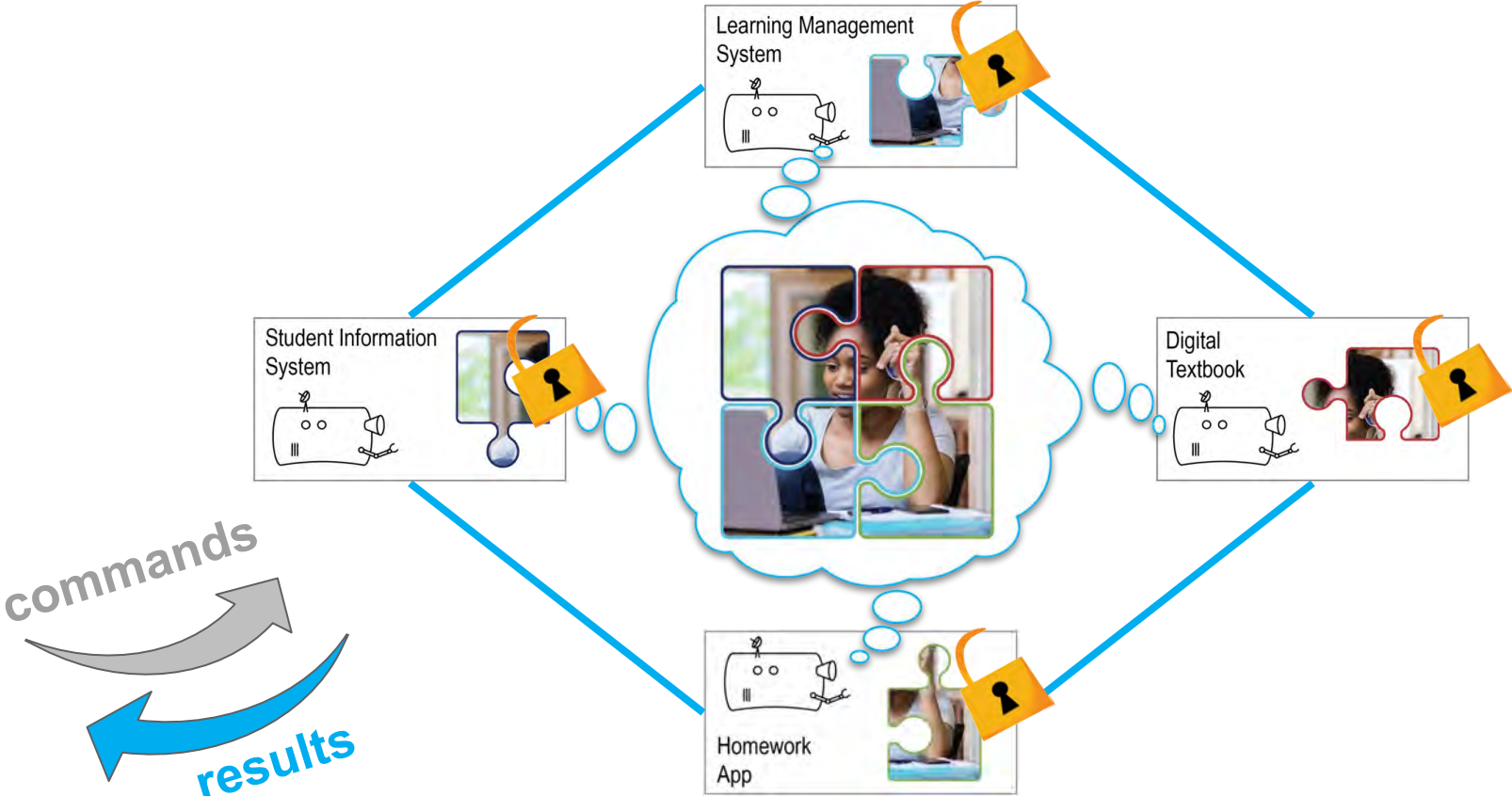
Secure enclaves open the data while releasing none of it



Safelnsights is a growing network of learning platforms



Data always remains with the data stewards



Safelnsights addresses research challenges

I'm a new researcher. Where do I start?

Which platforms and schools allow research?

Who do I contact there?

What data is available?

Will they give me data?

Will available data mask learner factors?



Will they let me run a student-facing intervention?

How do I make the intervention?

How do I write code to analyze a lot of data?

How do I protect student data?

How will others reproduce my results?

Some of our many team members...



Rich Baraniuk, PI
RICE U-OPENSTAX



Annie Antón, Co-PI
GEORGIA TECH



Ryan Baker, Co-PI
UPENN



Danielle McNamara, Co-PI
ASU



Roddy Roediger, Co-PI
WASH U



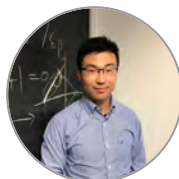
Debshila Basu Mallick
RICE U-OPENSTAX



Raul Castro Fernandez
U CHICAGO



Kinnis Gosha
MOREHOUSE



Andrew Lan
UMASS AMHERST



Jeremy Roschelle
DIGITAL PROMISE



Brian Nosek
CENTER for OPEN SCI



Neil Heffernan
WPI/ASSISTments



Jim Stiegler
UCLA/ CourseKata



Margaret Beier
Rice University



Fred Oswald
Rice University



Moshe Vardi
Rice University



Richard Tapia
Rice University



Leticia Velasquez
Rice University

Community Engagement



Student Training



Engaging Emerging and Established Researchers



Diverse Workforce

Safelnsights + ECR

STEM Learning & Learning Environments

- Use-inspired research across 13 partner learning platforms

Broadening Participation in STEM

- Use SI to include rich learner characteristics in your research

STEM Workforce Development

- ASU, WGU reach diverse learners transitioning to workforce

Infrastructure

- We work with Mid-scale proposals
- Build infrastructure that extends Safelnsights

Networking & Engagement

- Network to recruit trainees
- Help with community engagement (conferences, workshops, etc)

Your Idea Here



Questions for us?

Share your thoughts on how we
can work together!

<https://bit.ly/safeinsights>

