

Teacher Preparation, AI, and Learners with Disabilities

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Infrastructure Shift

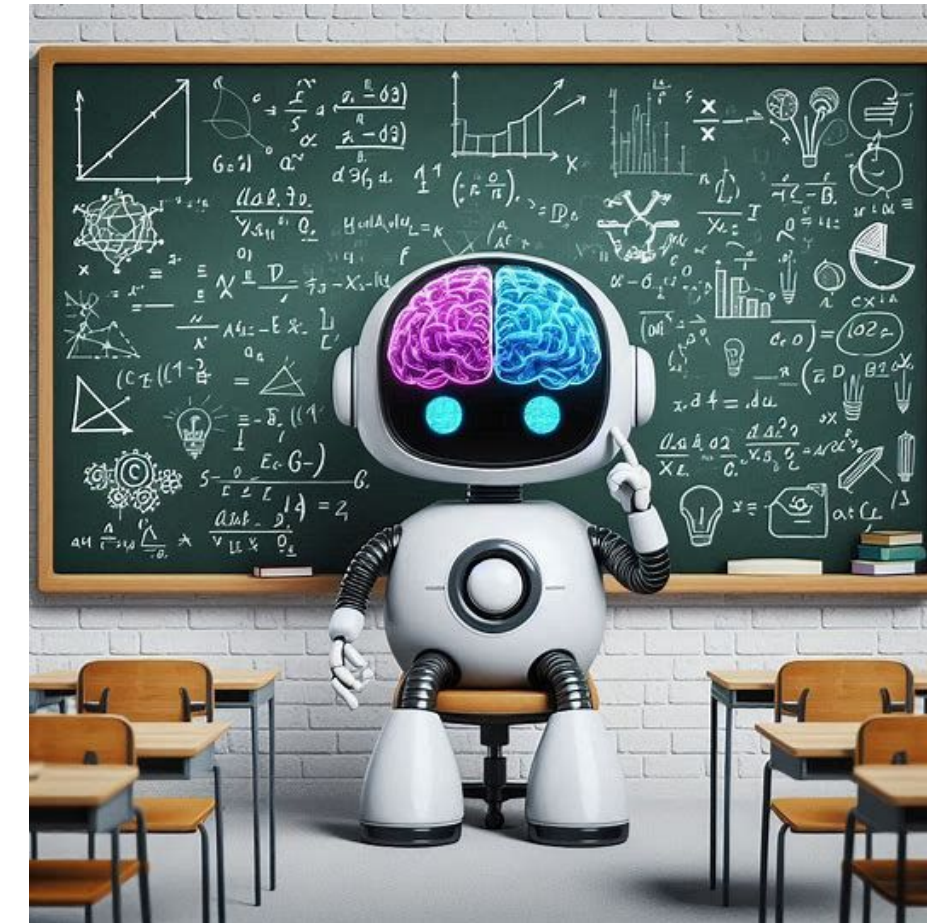


Important to Consider What We Mean by Learning



Human Learning

Chat GPT Prompt: A human learning



Machine Learning

Chat GPT Prompt: A machine learning

Can a machine tell the difference between chihuahuas and muffins?



Classify chihuahuas and muffins



Karen Zack shows that with a quick glance, muffins and chihuahuas look more alike than you think @teenybiscuit

Can a machine tell the difference between sheep dogs and mops?



How Do Machines Learn?



Karen Zack shows that with a quick glance, mops and sheepdogs look more alike than you think @teenybiscuit

What do we mean by AI?

Umbrella term describing many different types of machine based systems that simulate tasks typically requiring human intelligence including:

- Recognizing patterns
- Making Predictions
- Creating content
- Generating recommendations

Across all these systems, human oversight and guidance is essential!

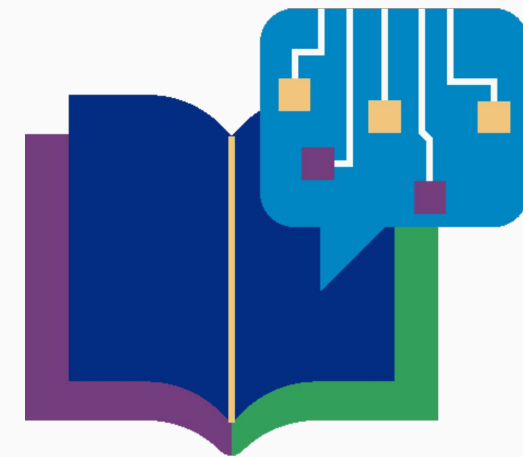
([OECD, 2024](#); [FL K-12 AI Task Force](#))

● TeachAI: Teaching With and About AI



Teaching With AI

Using AI as a tool for teacher support, student learning, or school management and operations.



Teaching About AI

Understanding how AI works, including studying foundational concepts from computer science, data science, social studies, science, and mathematics.

SO what do we mean by AI Literacy?

- Understanding how AI works
- Using AI safely and responsibly
- Understanding the pros and cons, including benefits and risks of using AI
- Recognizing outcomes of using AI not only on our learning, but also on our mental health and way of seeing ourselves

Benefits and Risks

Potential Benefits

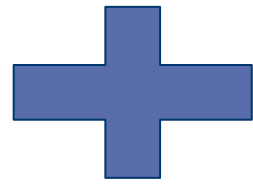
- Content **differentiation** for students
- Assessment** design and timely, effective feedback
- Tutoring and **personalized** assistance
- Aiding **creativity, collaboration, and skill development**
- School management and operational **efficiency**

- Misinformation** and academic dishonesty
- Diminished student and teacher **agency** and **accountability**
- Compromised **privacy** and unauthorized data collection
- Overreliance** and loss of critical thinking
- Perpetuating **Societal bias**

Potential Risks

Preparing Preservice Teachers in the Age of AI

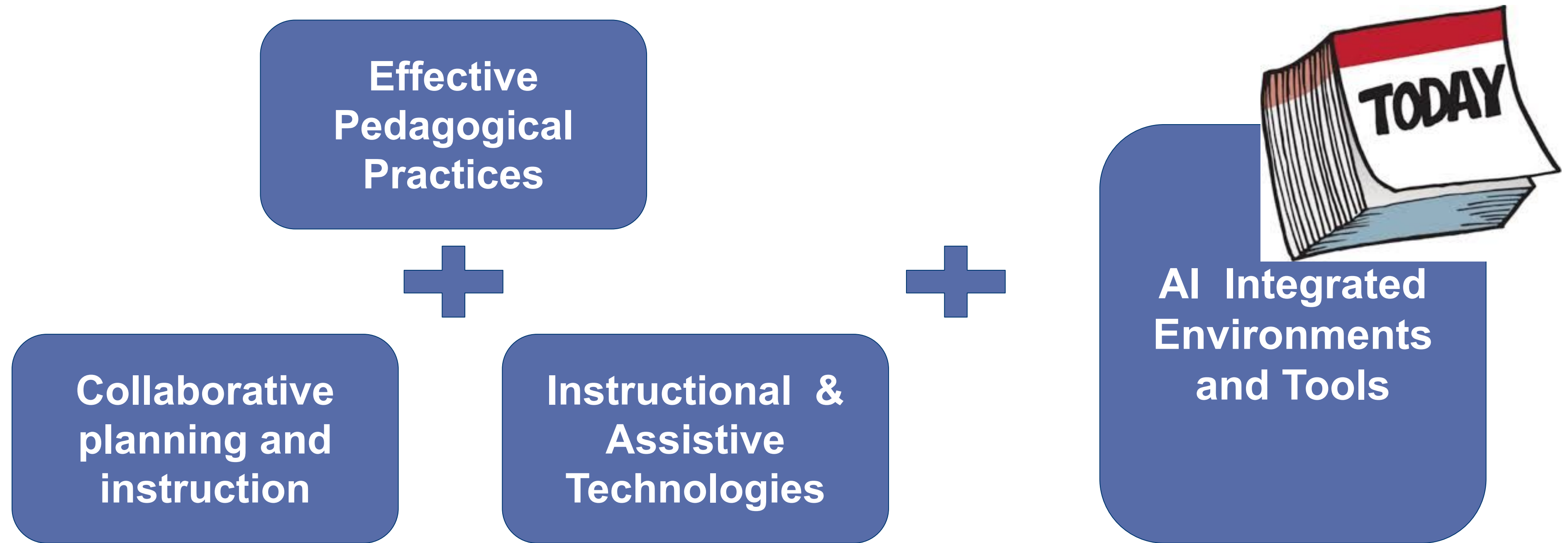
**Effective
Pedagogical
Practices**



**Collaborative
planning and
instruction**

**Instructional &
Assistive
Technologies**

Preparing Preservice Teachers in the Age of AI



Education of Learners with Disabilities at the Center



Example Innovations in Current Practice

Text to speech

Assistive and adaptive technologies

MTSS

Family centered partnerships

PBIS

Scaffolded learning

Predictive Text

Augmented Communication

Universal Design for Learning

Leaders in AI Integration Space

- Education of learners with disabilities has always been a space for innovation
- UDL principles align with AI personalization
- AI can be fundamentally an accessible, universally designed set of technologies

***But only if we engage in this work together!

In a student's words



Opportunities

- Personalization
- Autonomy
- Efficiency

Risks

- Over-automation
- Algorithmic Bias
- Dependency
- Inequitable distribution

We must help prepare all teachers to operate inside this ambiguity.

Avoiding AI is NOT a safety strategy.

Critical engagement is essential!

~~Avoidance~~

AI is changing core teaching functions



Planning



Assessment



Feedback



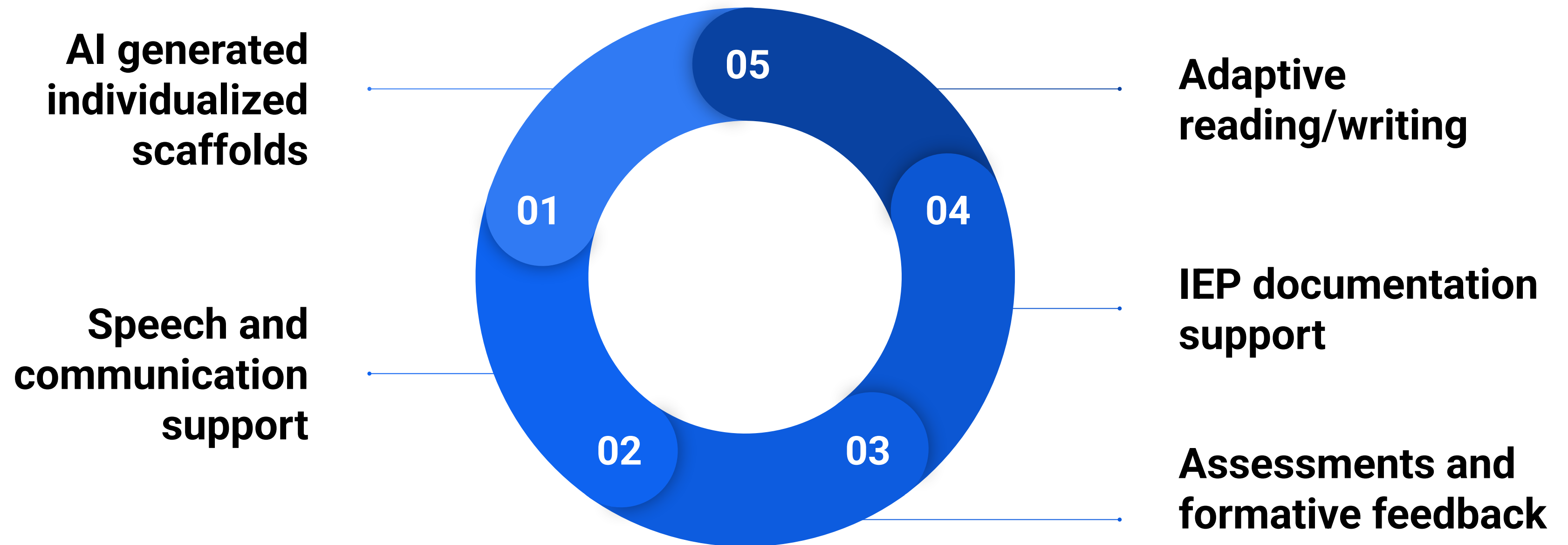
Communication



Documentation

AI is no longer peripheral.

AI Examples



If an AI System Suggests an
Intervention,
who evaluates its
appropriateness?



What should educators know about AI?



What is absolutely essential for all teachers?



So what should all educators know?

AI Literacy

Understand how AI systems work, their limits, and appropriate classroom uses.



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Use AI to support, not replace, professional judgment.



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Data Interpretation

Critically interpret AI-generated insights and progress data.



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Ethical Risk Assessment

Evaluate privacy, consent, accessibility, and potential harm.



Risks: Learners with Disabilities are uniquely exposed

- Bias in training data
- Misclassification
- Surveillance concerns
- Student agency reduction
- Privacy of sensitive data

Reimagining Teacher Preparation

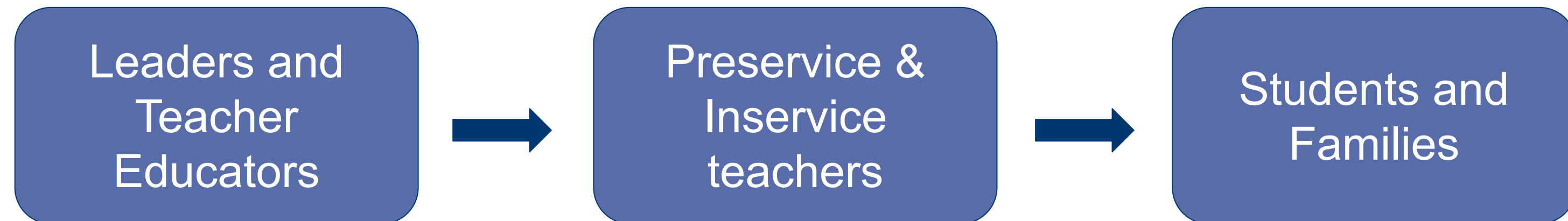
- **Integrate** AI across the curriculum (not a single class)
- **Consider** implications for clinical/student teaching experiences
- **Use** case-based analysis of ethical issues such as
 - Detecting AI errors/hallucinations
 - Adapting AI outputs
 - Protecting student dignity and agency

Teachers should learn not just how to use AI, but how to interrogate it!

We are the Bottleneck!

Programs should invest in:

- Faculty AI literacy
- Shared standards
- Research-practice partnerships



An inflection point



What can we do today?

Universities

- Audit curriculum
- Embed AI case studies
- Prepare faculty

States

- Update standards
- Fund pilot programs
- Align/adapt policies



Final Message

AI Will Redefine Educator Expertise.

We need to ask whether that redefinition:

- Strengthens professional judgment
- Protects student rights
- Expands access and opportunity

The question is not whether AI enters education. **It is here.**

The question is whether we will prepare educators to shape its trajectory.

Additional AI Education Resources



Florida K-12 AI Education ***TASK FORCE***

Supporting Schools in Guiding AI Usage

OUR IMPACT

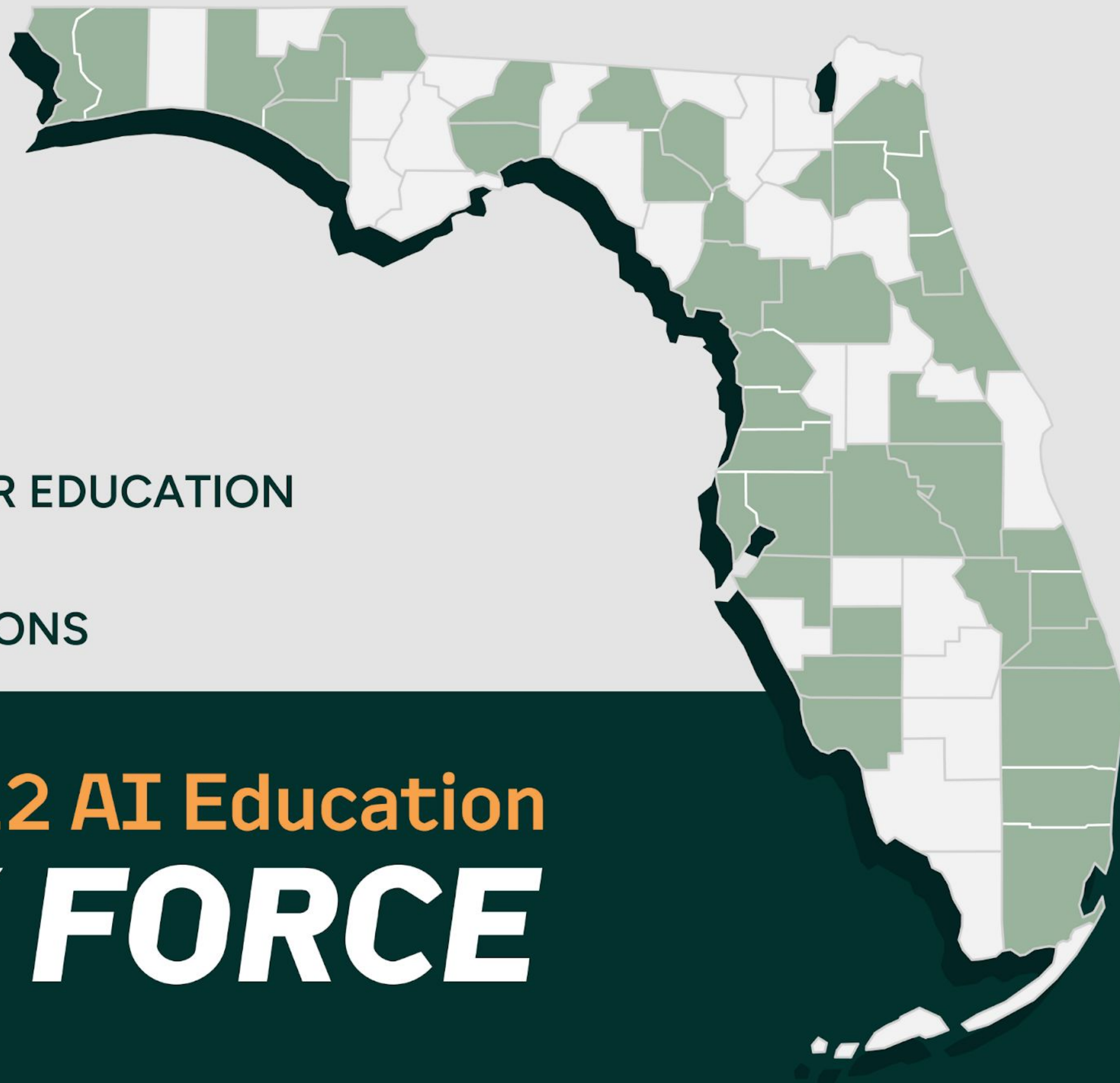
250 MEMBERS

- 39 SCHOOL DISTRICTS
- 5 CHARTER NETWORKS
- 6 INSTITUTIONS OF HIGHER EDUCATION
- 8 INDUSTRY PARTNERS
- 14 EDUCATION ASSOCIATIONS



Florida K-12 AI Education

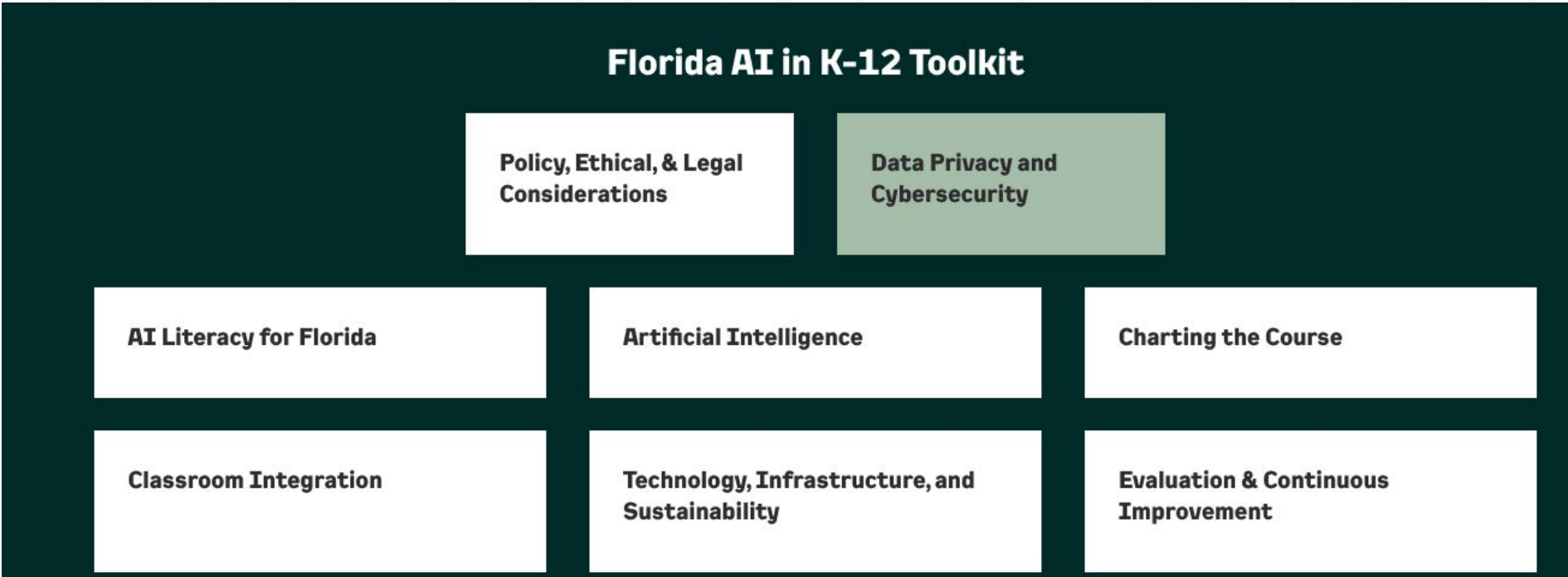
TASK FORCE



Development of Guidance

<https://fl-aitaskforce.org/>

- Policy, ethical, and legal considerations
- Data privacy and cybersecurity
- AI literacy in Florida
- Charting the course
- Classroom integration
- Technology, infrastructure, and sustainability
- Evaluation and continuous improvement



State Included in the Policy Labs

Colorado

Delaware

Florida

Kentucky

Maine

Missouri

Montana

North Carolina

Texas

Wyoming



Meet the 2025 Policy Labs

EDSAFE AI Alliance State Policy Lab

In this work, we have developed the idea of a “**Policy Stack**,” which has anchored a policy development progression and approach.

**Guidance Documents
for Districts/Schools**

Position Statement from Board and District

Feedback Loop and Stakeholder Input Plan

Acceptable Use Policy

Academic Integrity Policy

Non-Discrimination and Anti-Bullying Policy

Complaint Procedures

Staff Manual and Literacy Training
(may include updates to HR and hiring policies)

Student Manual and Literacy Training
(may include updates to student discipline policies)

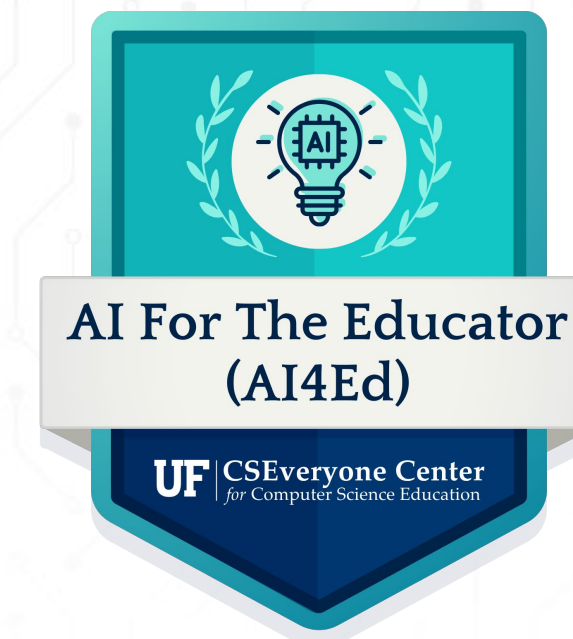
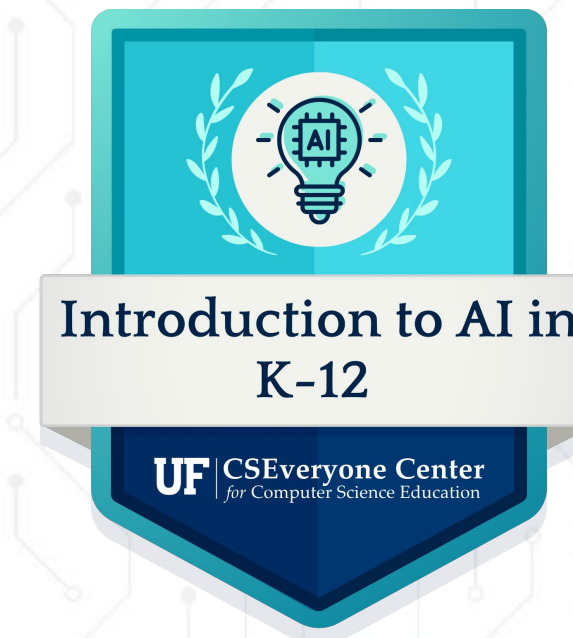
Complaint Procedures

Procurement Policies

EDSAFE AI
ALLIANCE®

K-12 AI Education Microcredentials

1. Introduction to AI (Starts October 14 2025)
2. AI for the Educator (AI4Ed): Leveraging AI To Best Support Your Practice
3. K-12 AI Education (AI-Ed): AI Literacy for theK-12 Learner
4. AI in CS K-12 Integration
5. ***AI Ethics & Compliance Module**



Task Force Webinar Series

Name:

Beyond the Hype:

A Strategic Conversation on
AI, Infrastructure and
Sustainability

**Recording on the Task Force
Website**

<https://fl-aitaskforce.org/events/webinars/>

The graphic is a dark green rectangular banner with a subtle binary code pattern. At the top left, there are several parallel diagonal lines in orange, white, and blue. At the top right, the text 'Florida K-12 AI Education' is in a small, light blue font, followed by 'TASK FORCE' in a large, bold, white font. Below this, the main title 'BEYOND THE HYPE: A STRATEGIC CONVERSATION ON AI, INFRASTRUCTURE AND SUSTAINABILITY' is written in a large, bold, white font. Underneath the title, the date and time 'WEBINAR – SEPTEMBER 30, 2025 6PM – 7PM EST' are displayed in a bold, orange font. The bottom half of the graphic features five circular headshots of the speakers, each with a white border. Below each headshot, the speaker's name is written in a bold, orange font, and their title and affiliation are listed in a smaller, white font. The bottom right corner of the graphic has a decorative element consisting of several parallel diagonal lines in orange, white, and blue, mirroring the top left.

**Florida K-12 AI Education
TASK FORCE**

**BEYOND THE HYPE: A STRATEGIC CONVERSATION ON
AI, INFRASTRUCTURE AND SUSTAINABILITY**

WEBINAR – SEPTEMBER 30, 2025 6PM – 7PM EST

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Thank You!

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