

Al Summit

Wednesday, January 29, 2025

- 11:00 a.m. 2:00 p.m. ET
- 10:00 a.m. 1:00 p.m. CT
- 9:00 a.m. 12:00 p.m. MT
- 8:00 a.m. 11:00 a.m. PT

Thursday, January 30, 2025

- 11:00 a.m. 1:00 p.m. ET
- 10:00 a.m. 12:00 p.m. CT
- 9:00 a.m. 11:00 a.m. MT
- 8:00 a.m. 10:00 a.m. PT

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Some may have proprietary interest in services and products used by public works agencies and professionals.

Speakers for APWA educational offerings agree to refrain from specific product or services endorsements or promotions during APWA educational offerings.

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- A link to the program evaluation will be emailed to you after tomorrows program.
- To receive CEU's, you must correctly answer 80% of the questions.



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Polls







Eryn Stone, PE
Urban Engineer
Iowa DOT-Local Systems



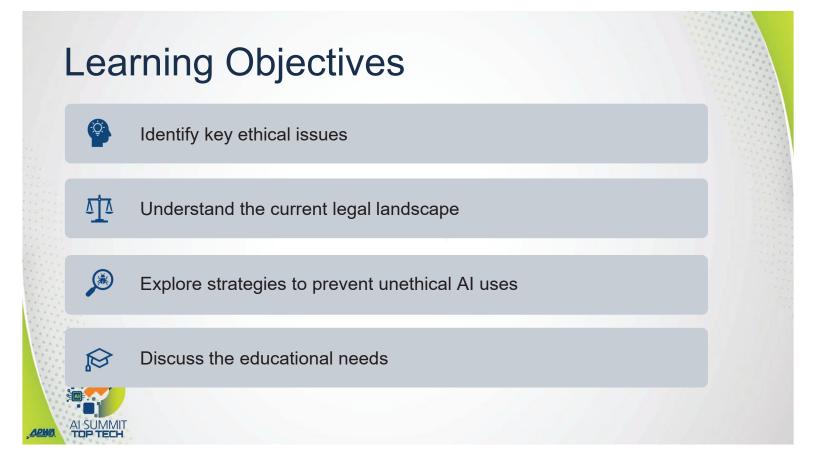
Joseph Dib, PE, PMP Senior Civil Engineer Applied Research Associates

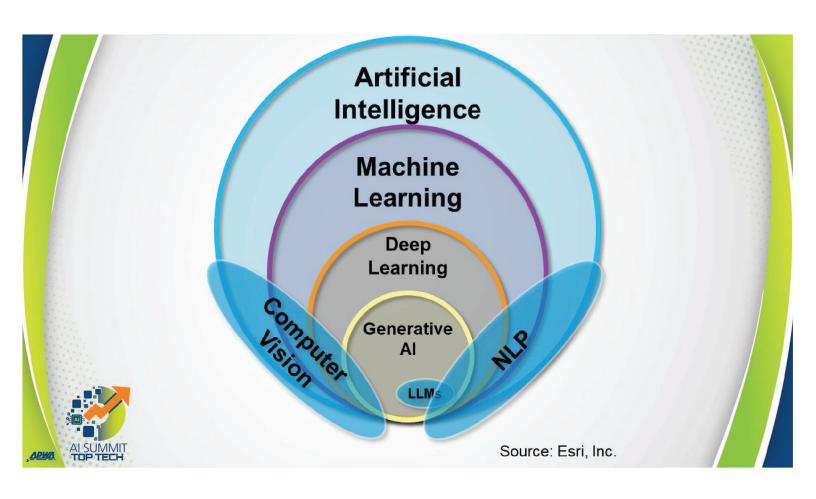




Ömer Bozok , PE Founder Phoenix iO

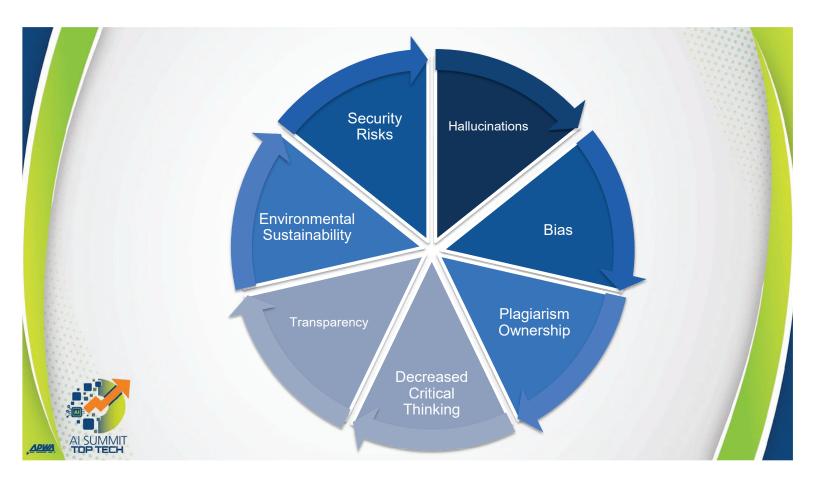


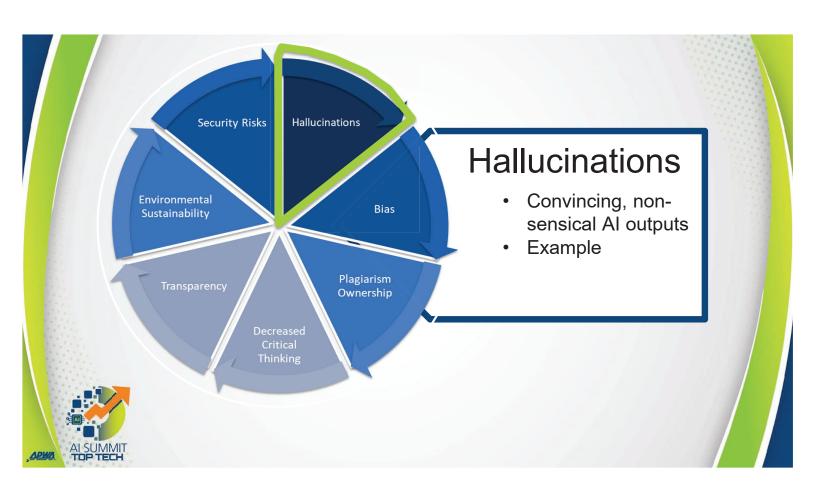


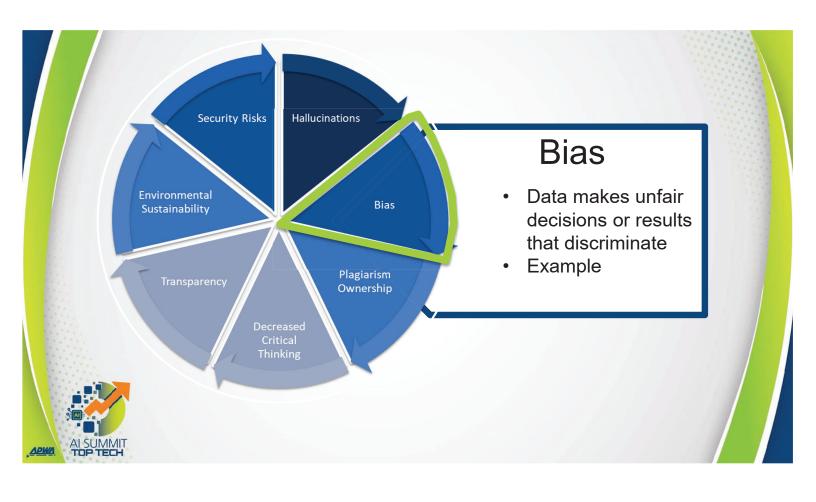


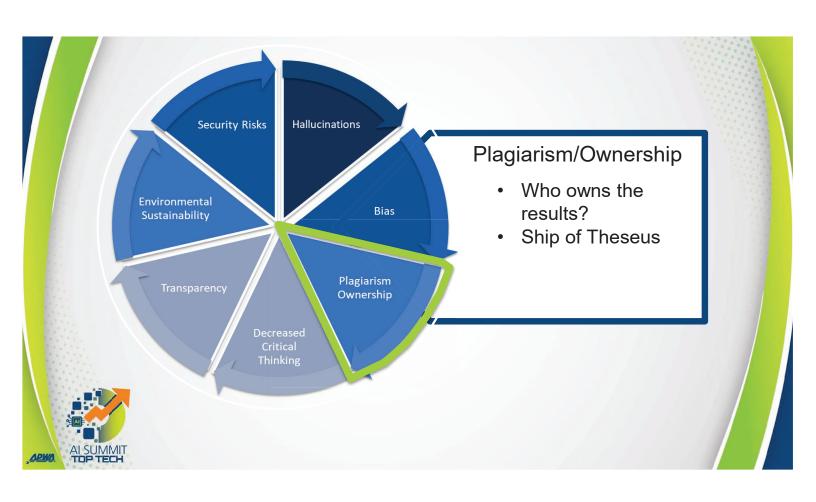


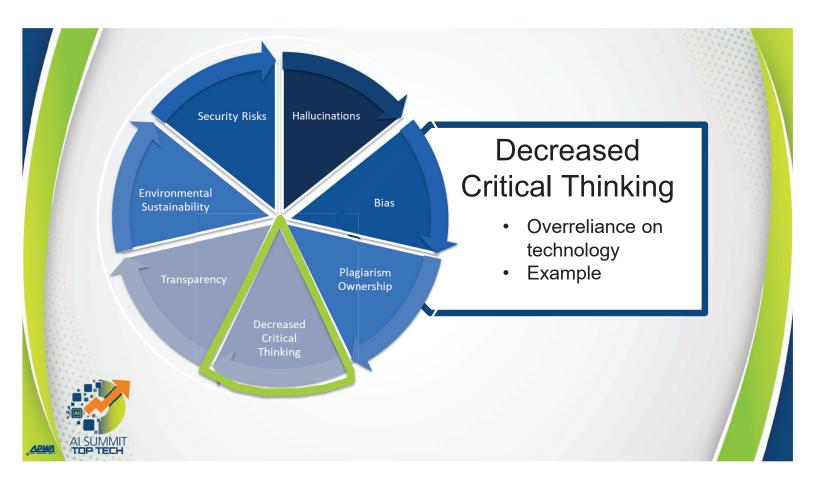
Key Ethical Concerns for Al in Public Works

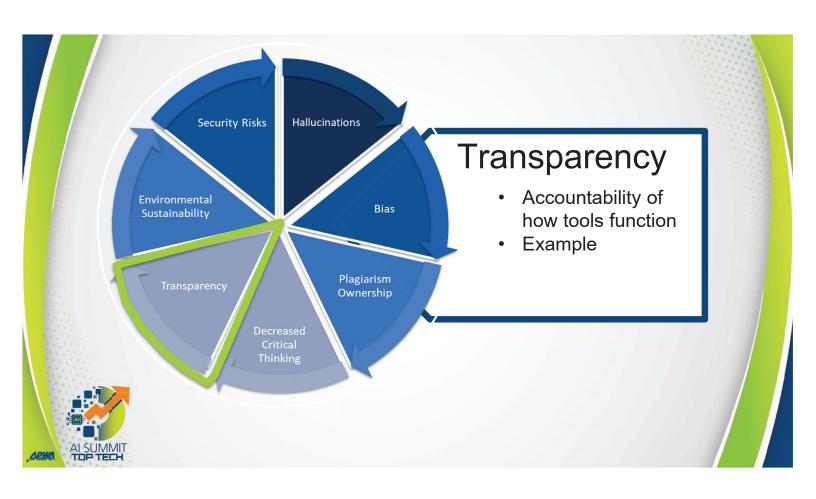


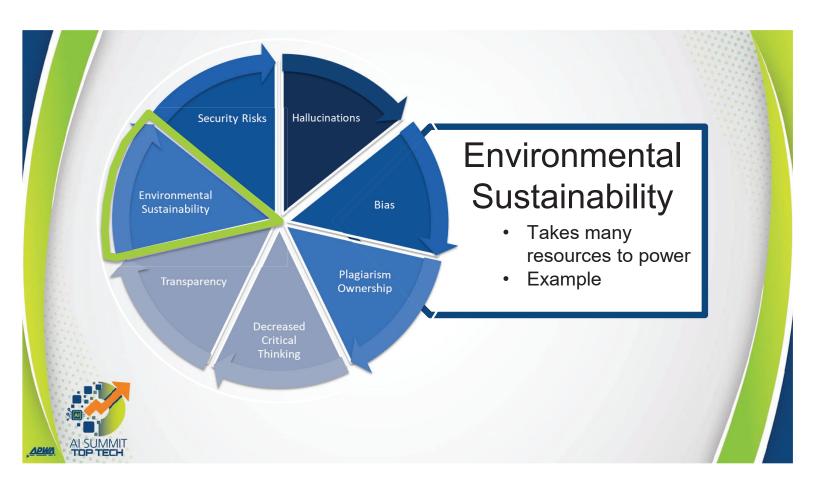


















Al Legal Landscape Light Street Control of the Co

Al Legal Landscape - USA

- No enacted federal regulations
 - Al Bill of Rights (Oct., 2022)
- 40+ State have Al bill
 - Colorado Al Act (May, 2024)



Al Legal Landscape - Canada

- No enacted federal regulations
 - Artificial Intelligence and Data Act (AIDA),
 Jun. 2022
- The Enhancing Digital Security and Trust Act, Nov. 2024 (EDSTA) – Ontario

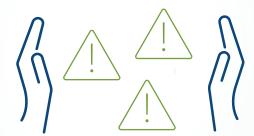


Goal of Regulations

- 1. Safety and security of the people
- 2. Responsible innovation
- 3. Protection of privacy and civil liberties



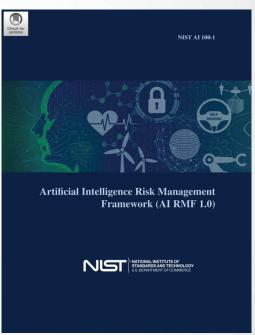
Addressing Unethical Use





Policy & Governance





Policy & Governance



U.S. Department Intelligence Community



Principles of
Artificial Intelligence Ethics for the
Intelligence Community



Ethical Al













Responsible

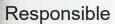
Equitable

Fair: Just, unbiased, satisfactory, suitable, appropriate, acceptable, good enough, reasonable



Ethical Al







Equitable



Traceable



Reliable

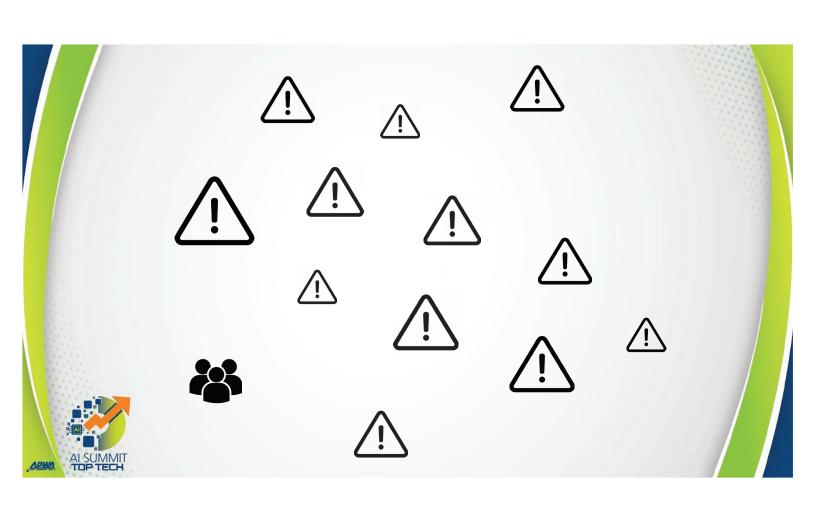


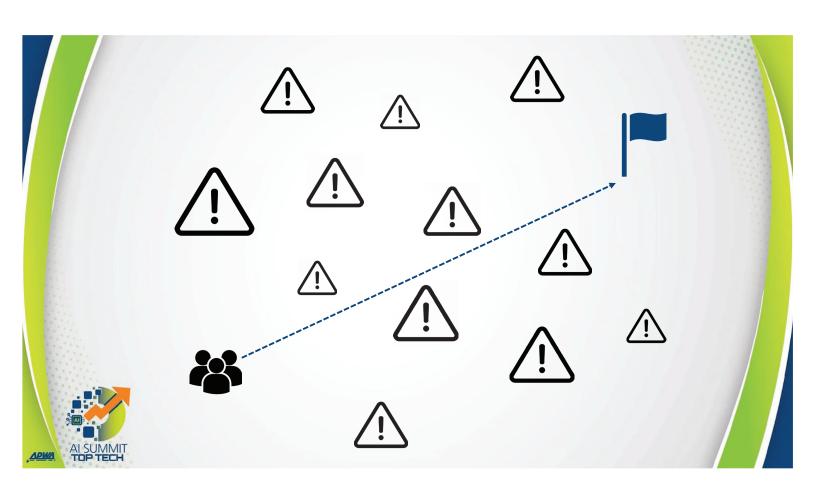
Governable

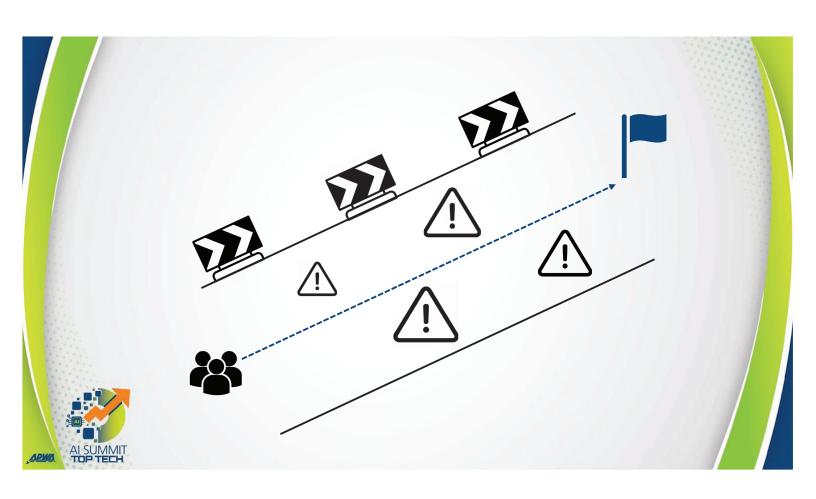


Aligns w/ Values

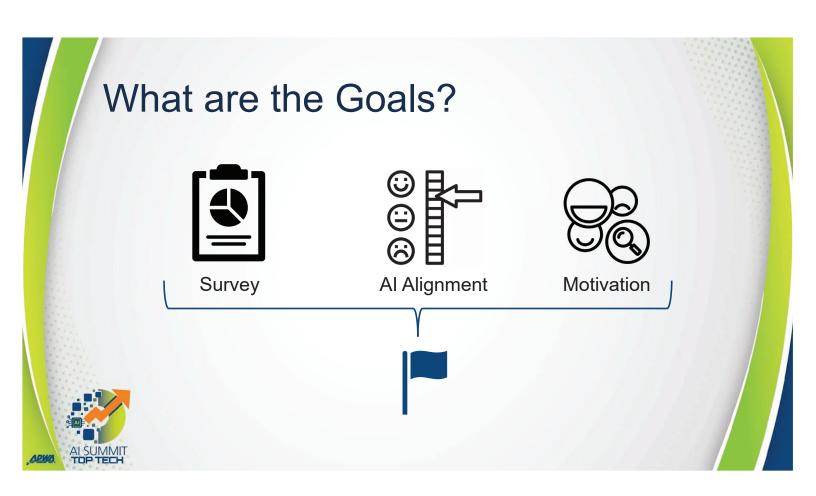














Open Forum







Engineers





Operations



IT















Recommending an under-qualified bidder (hallucination)

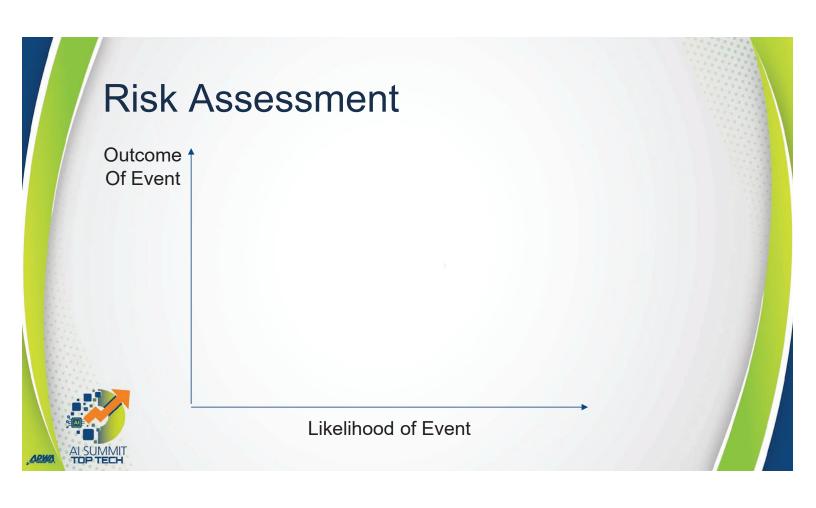


Favoring certain bidders due to data bias



Decreased critical thinking







Risk Assessment

Outcome Of Event

- 4 Catastrophic
- 3 Severe
- 2 Moderate
- 1 Minimal



Risk Rating

Outcome Of Event

4	8	12	16
3	6	9	12
2	4	6	8
1	2	3	4

Likelihood of Event

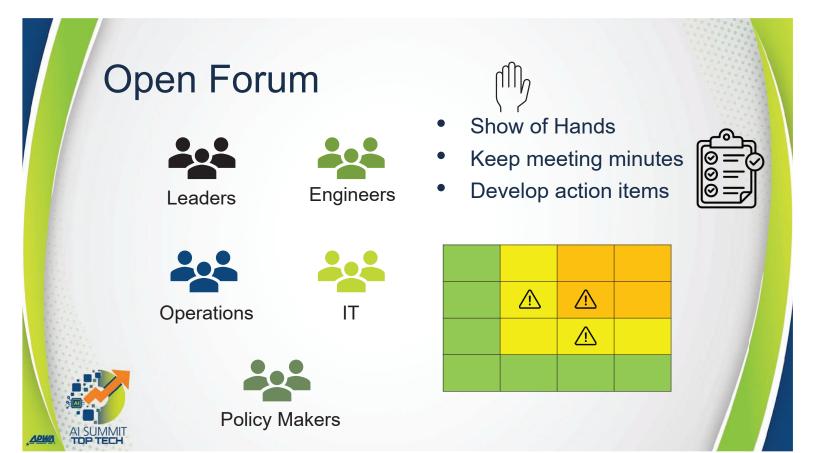
Low Risk

Medium Risk

High Risk















Engineers

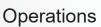


- Show of Hands
- Keep meeting minutes









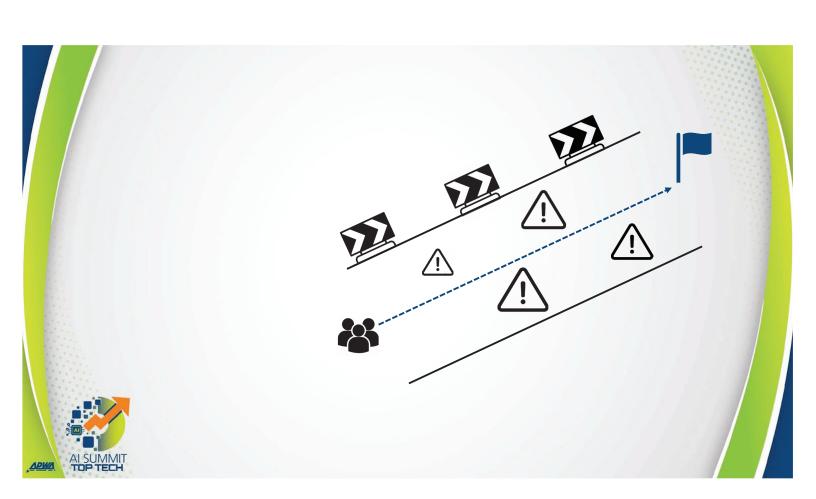


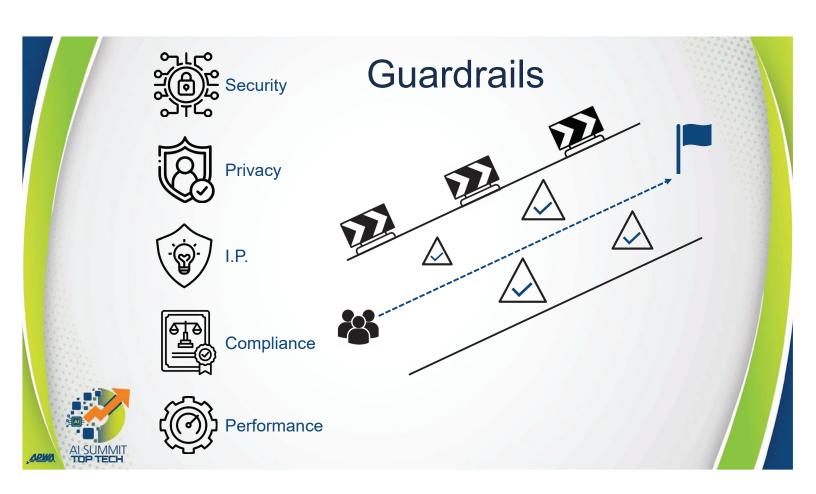
IT

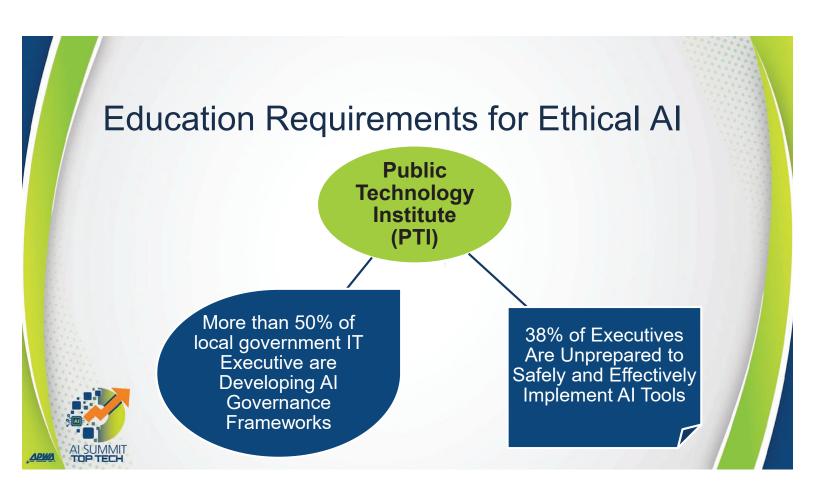


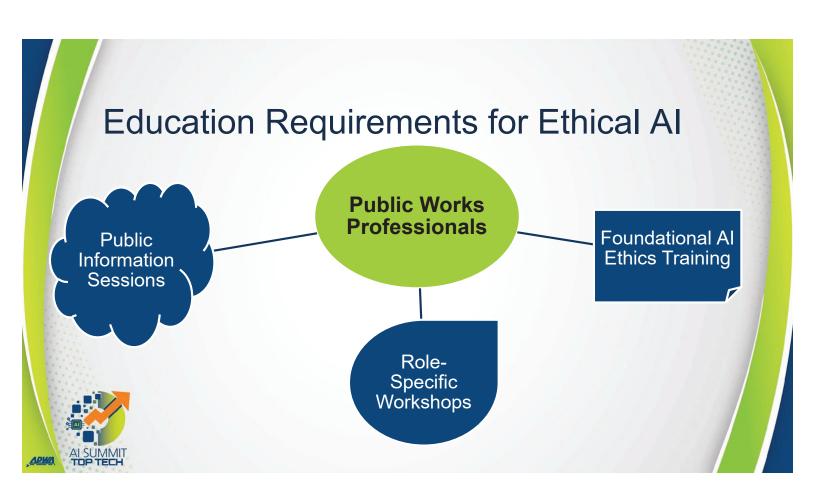


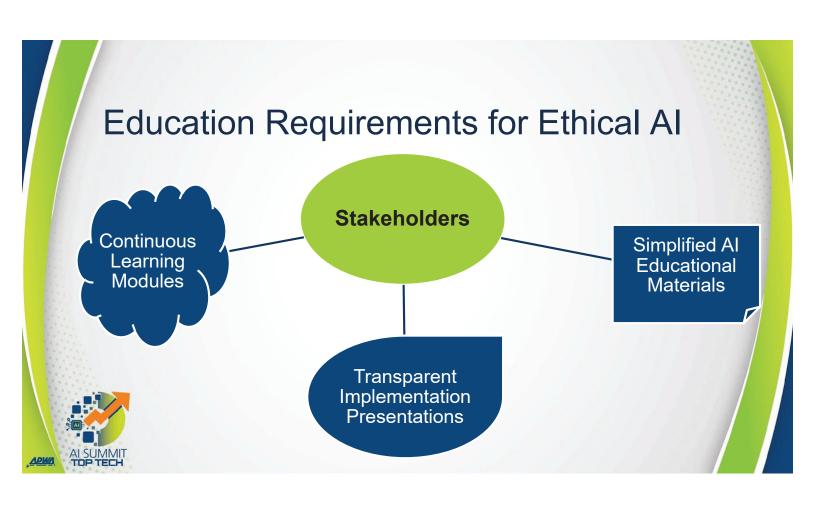












Implementing Educational Strategies

Interactive Workshops and Seminars

Collaborative Policy Development

Feedback Mechanisms

Hands-on learning
Explore Al applications
Build transparency, trust

Engage diverse stakeholders Address ethical concerns Foster shared ownership Gather continuous input Improve privacy, accessibility Align with expectations

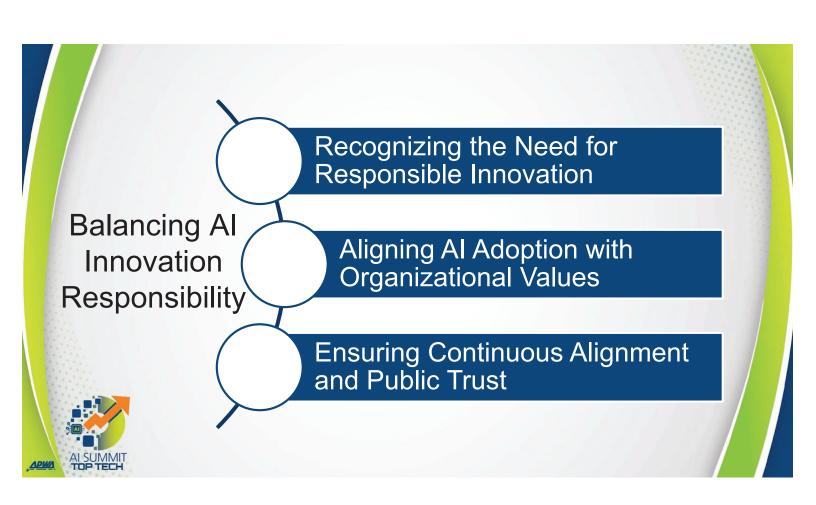


POLL QUESTION

- Does your organization currently have educational training regarding the use of AI?
- Answer Options:
- 1. Yes, we have comprehensive training programs.
- 2. Yes, but training is limited or in development.
- 3. No, but we are planning to implement training.
- 4. No, and there are no plans to implement training.









- Prioritize Ethical Standards
- Assess Societal Impact
- Mitigate Potential Risks



Aligning Al Adoption with Organizational Values

- Define Core Values
- Integrate Values into Al Strategy
- Establish Ethical Governance





- Regular Ethical Audits
- Stakeholder Engagement
- Transparent Communication



Balancing Resistance

Breaking Down Common Misconceptions

Addressing Employee Concerns

Building Culture of Trust Fear of replacement
Al automates tasks
Explainable Al transparency

Reskilling and upskilling
Al as collaboration
Routine tasks handled

Employee pilot programs
Feedback through surveys
Tailored Al solutions



Conclusion



Key takeaways

Prioritize Ethical AI: Address ethical and legal considerations for responsible implementation

Engage and Educate: Promote active involvement in education and policy development

Foster Trust: Manage resistance with transparency and inclusion to build collaboration

Collaborate and Adapt: Work across agencies and stay informed to integrate advancements



Q&A

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We look forward to seeing you tomorrow at 10 am CT



