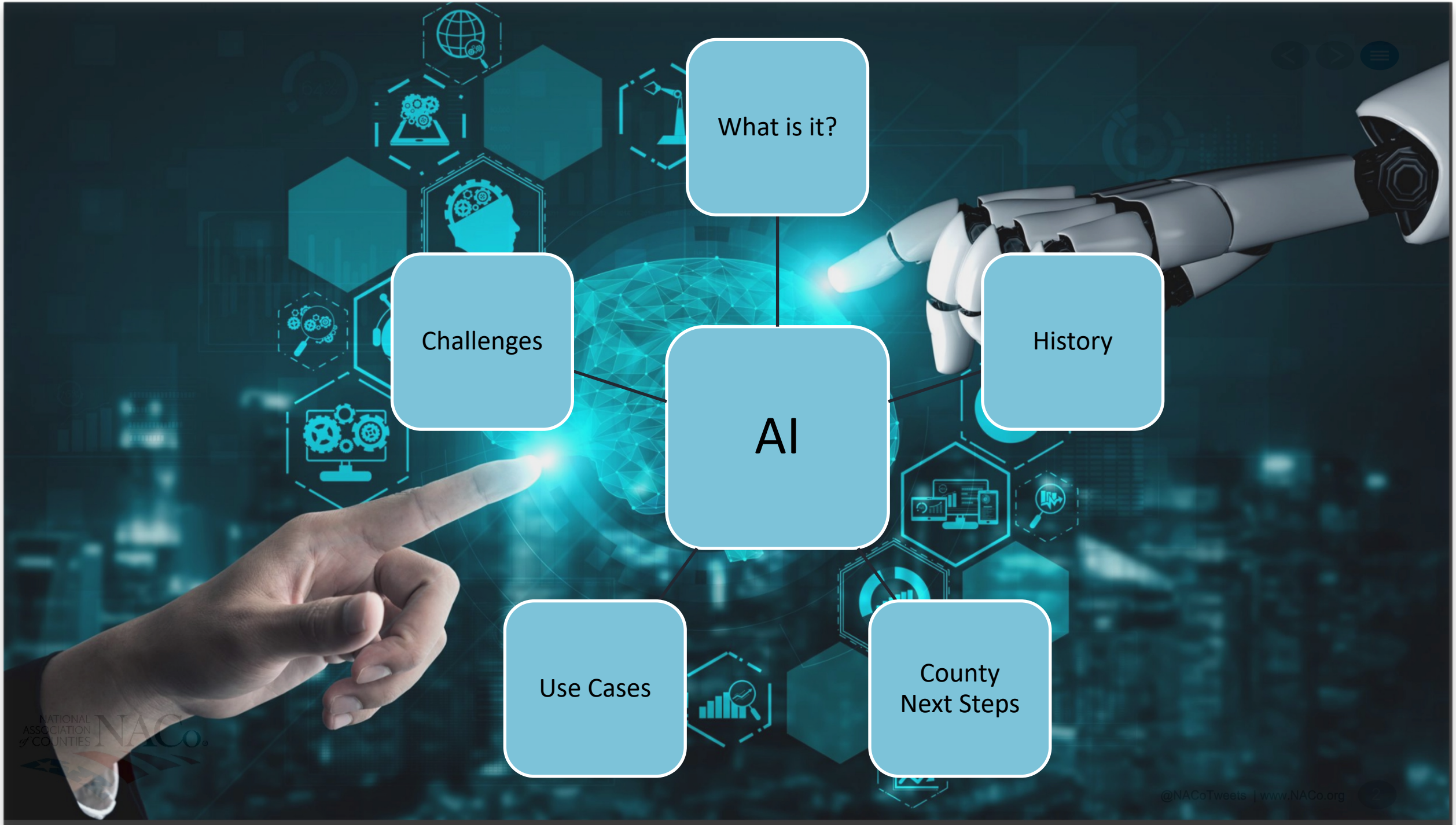
2024 WISCONSIN COUNTIES ASSOCIATION
LEGISLATIVE CONFERENCE

NATIONAL ASSOCIATION of COUNTIES NACo

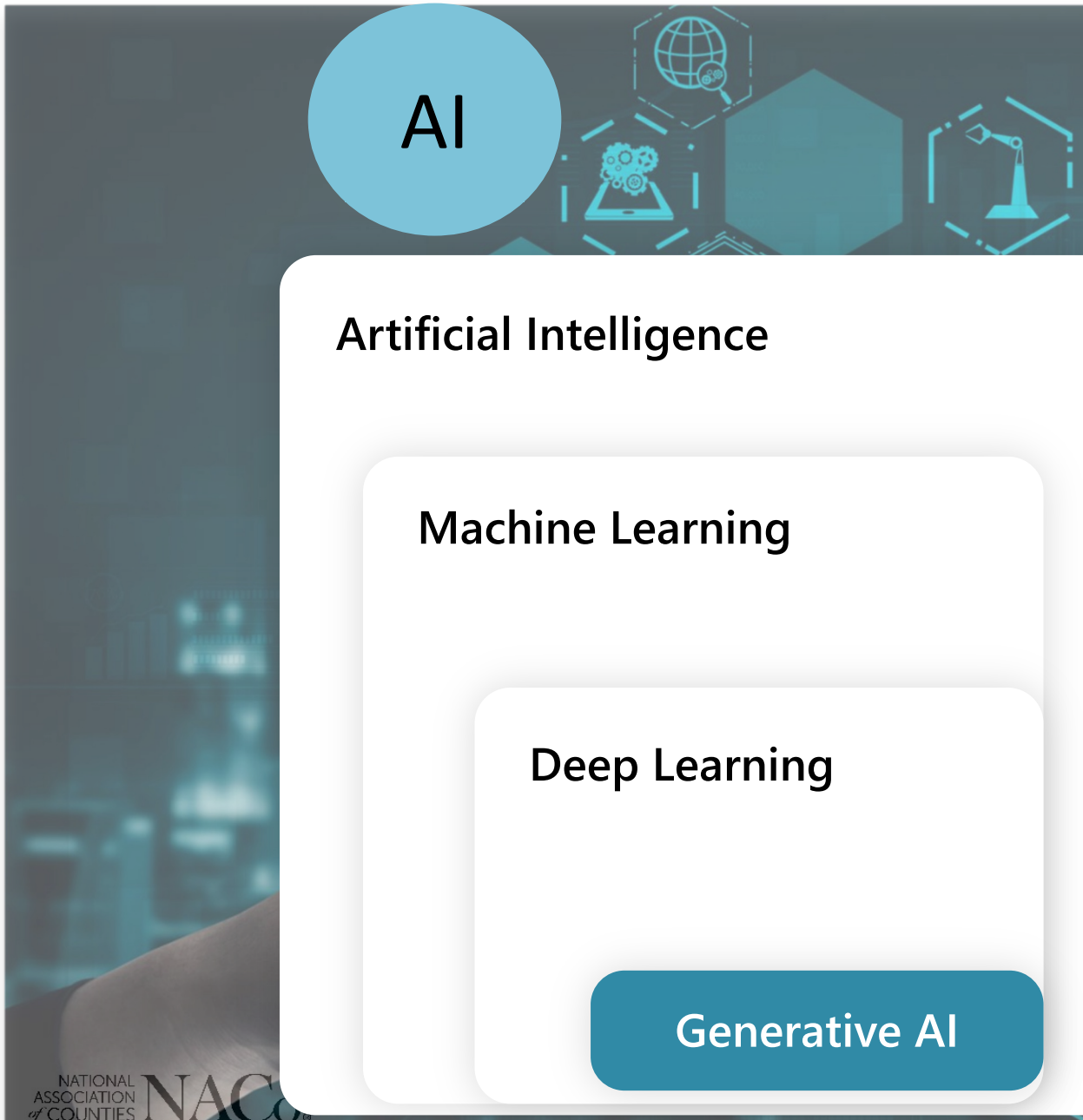
Artificial Intelligence and County Government

Rita D Reynolds, CIO

NACo


What is it?
Challenges
AI
History
Use Cases
County
Next Steps

What Is AI?



1950s - Artificial Intelligence
the field of computer science that seeks to create intelligent machines that can replicate or exceed human intelligence.

1959 - Machine Learning
subset of AI that enables machines to learn from existing data and improve upon that data to make decisions or predictions.

2017 - Deep Learning
a machine learning technique in which layers of neural networks are used to process data and make decisions.

2021 - Generative AI
create new written, visual, and auditory content given prompts or existing data.

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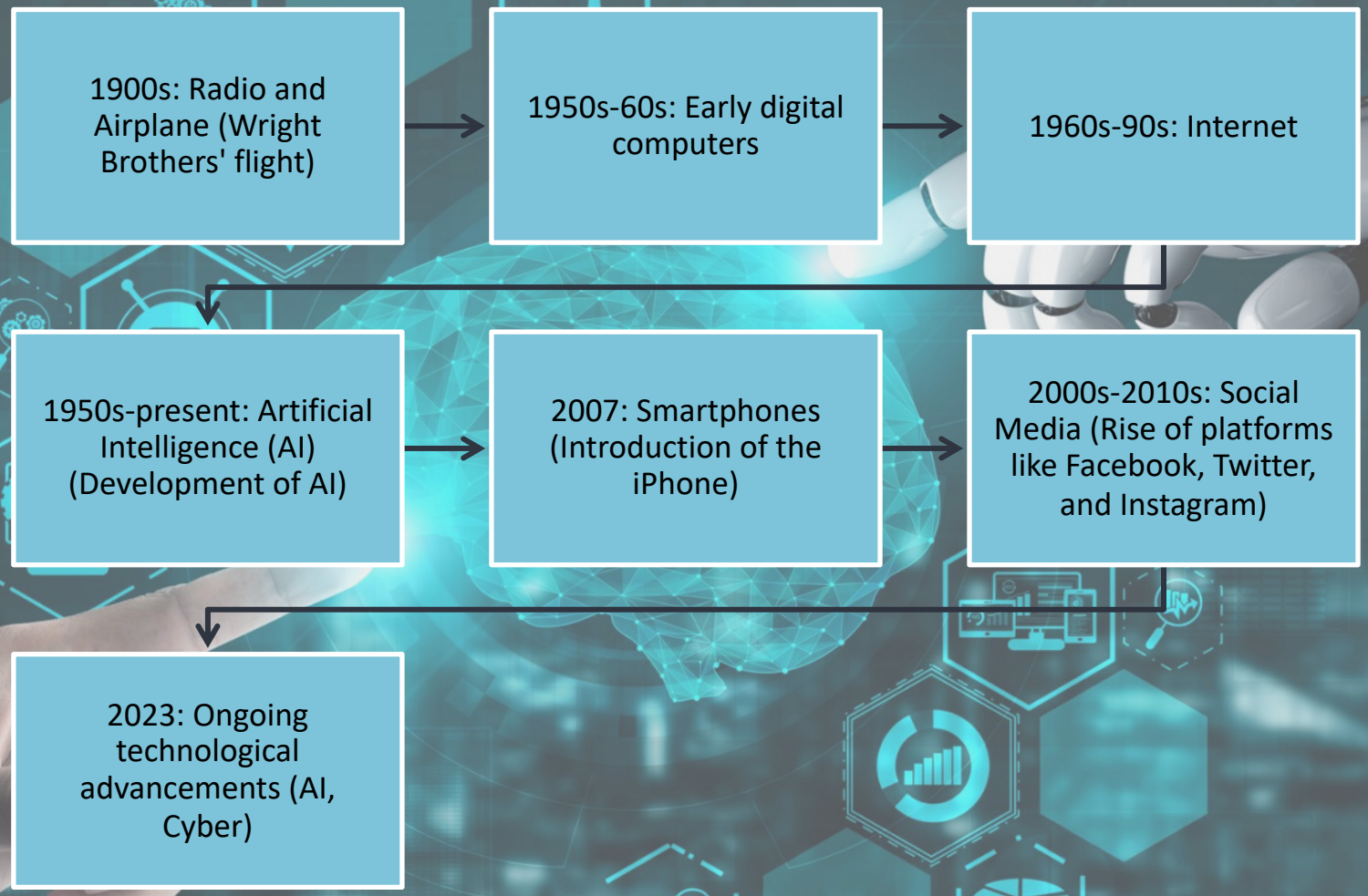
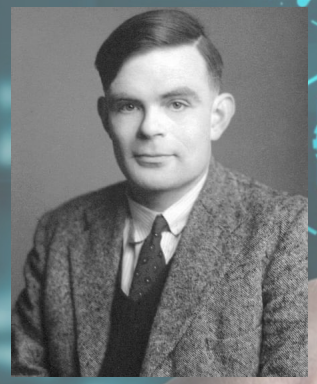
Technology History



AI

History

Inception of AI

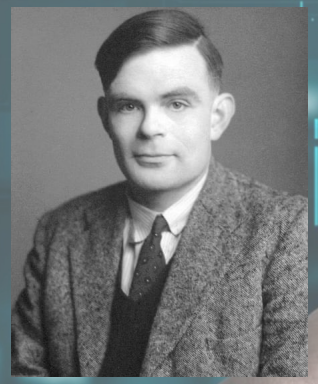


1950s: Turing's seminal paper on computing and intelligence.	1956: Official recognition of the field at the Dartmouth Conference.	1960s-70s: Development of fundamental AI algorithms and logic programming.

AI

History

Maturity of AI



1980s: AI begins to solve real-world problems, like diagnosing diseases.	1990s: Computers become faster and more accessible, helping AI grow.	Late 1990s: Expectations outpace reality, leading to a slowdown in AI hype.

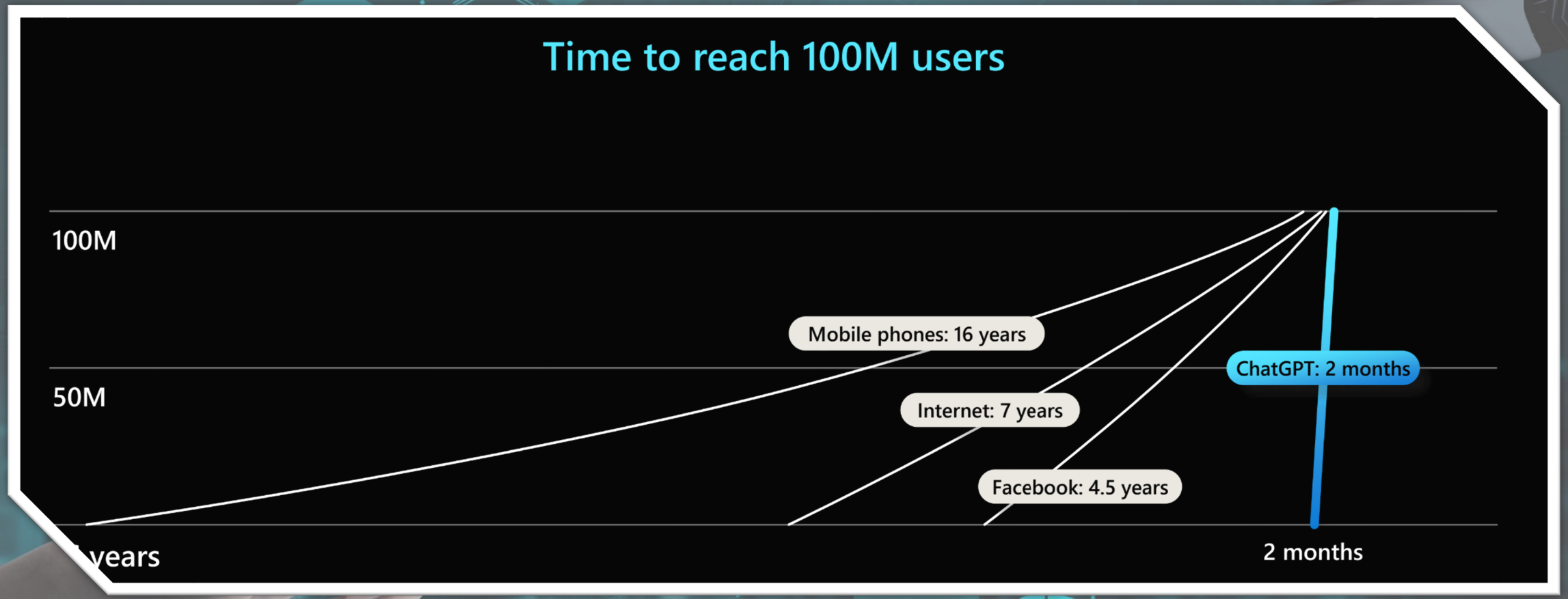
AI

History

AI in Everyday Life

2010s: Smartphones use AI for voice assistants and photo tagging.	Mid-2010s: New AI creates art and music, predicts trends.	2020s: Generative AI helps in everyday tasks, from writing emails to finding directions.

Generative AI



AI

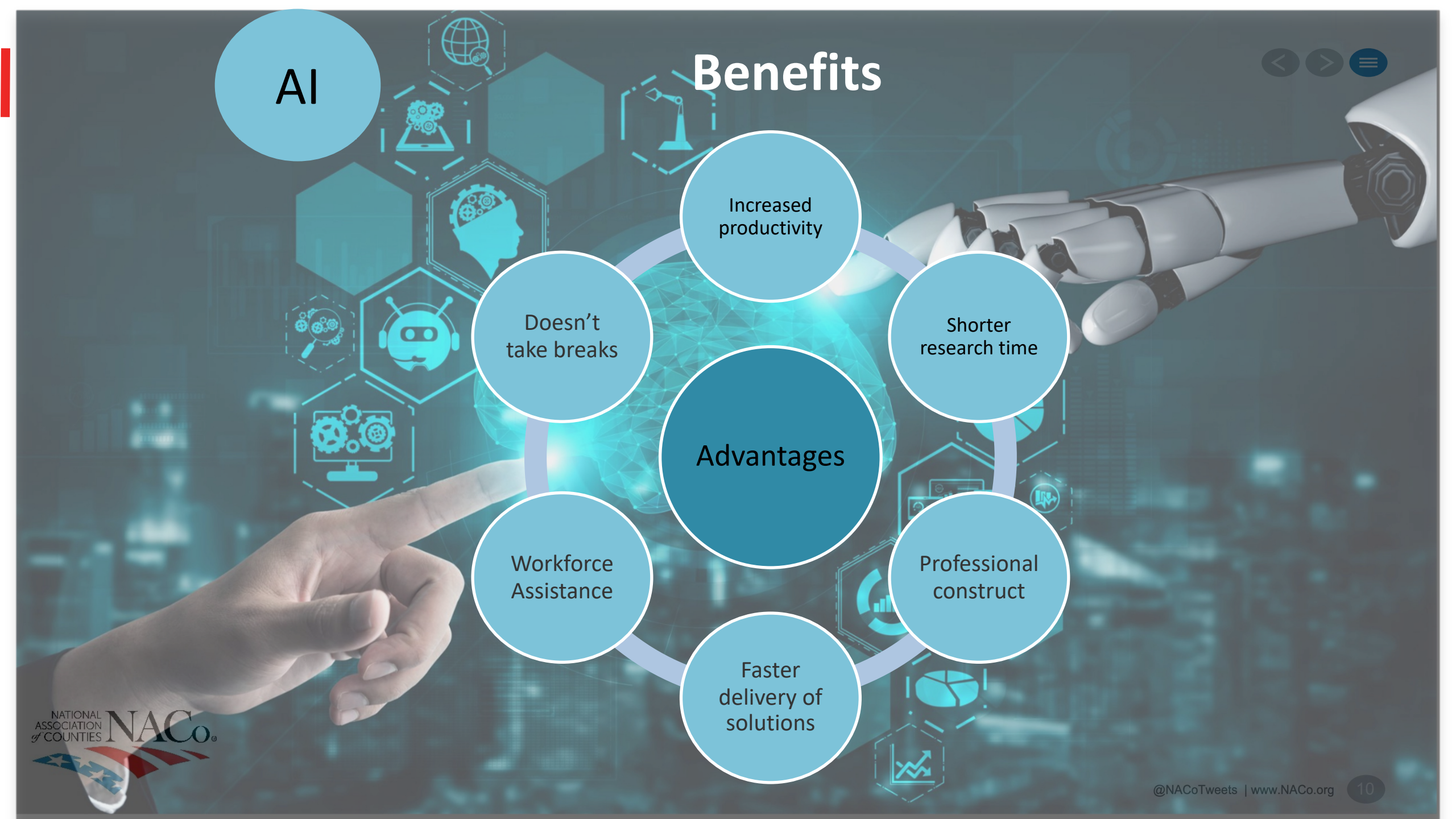
Use Cases

Impact on the County

Productivity	Resident Services	Cyber	Public Safety	Human Services
• Memos • Articles • Policies • Code Dev. • Minutes • Webinar Descriptions	• Chatbots • Translation • Sentiment Analysis • Storm Sense • 311	•Monitoring •Threat detection •Phishing prevention	•Drug Trafficking •Human Trafficking •Security Video Analytics	•Case analysis •Forms Completion

AI

Benefits

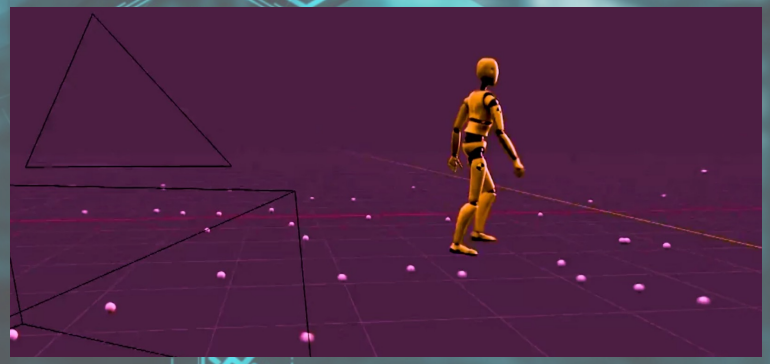

Increased productivity
Shorter research time
Professional construct
Faster delivery of solutions
Workforce Assistance
Doesn't take breaks
Advantages

AI Challenges

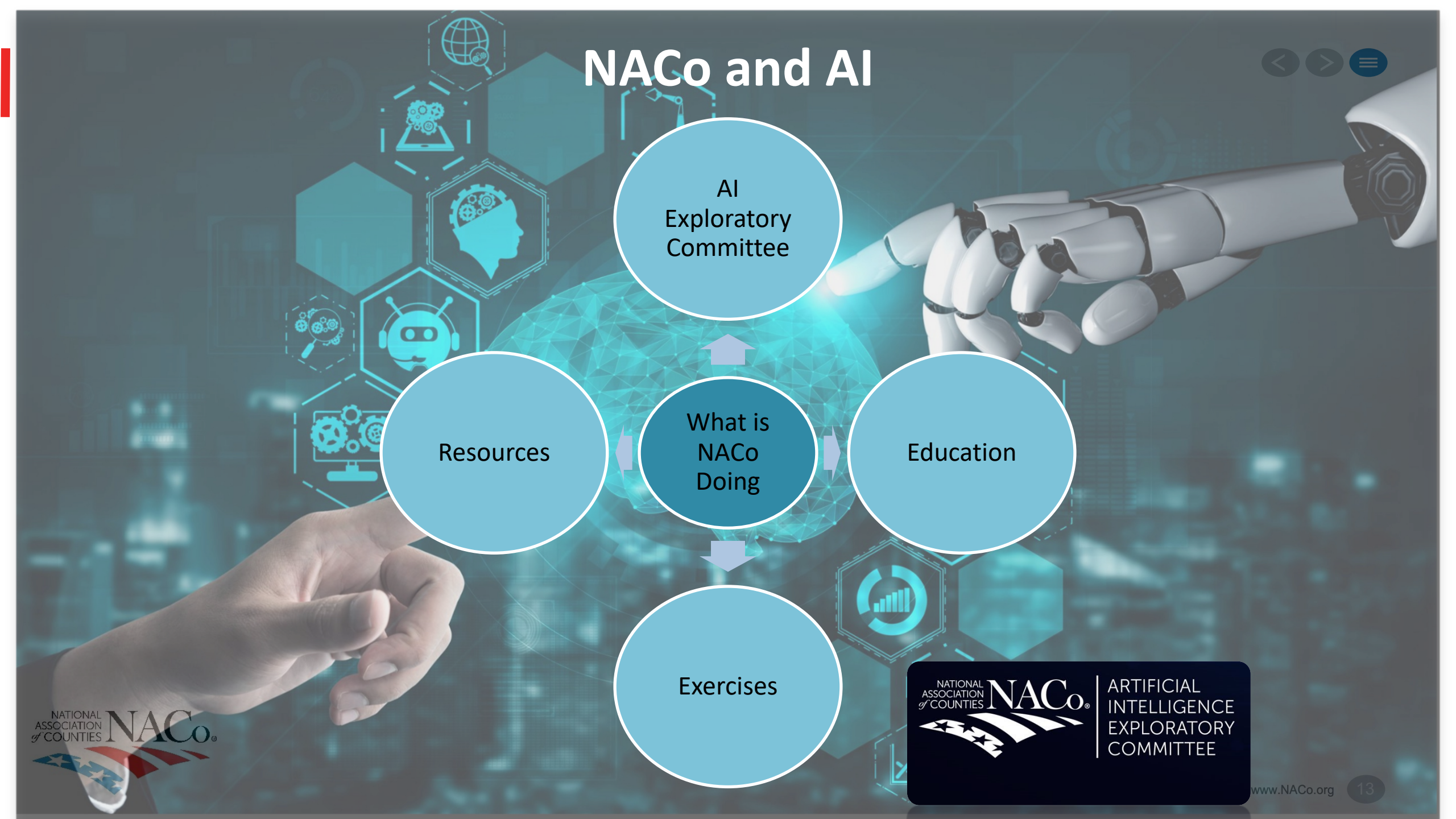
The Future (is here now)

"We recognize both the potential benefits and risks these tools enable," Newsom said in a statement accompanying his order. "We're neither frozen by the fears nor hypnotized by the upside. We're taking a clear-eyed, humble approach to this world-changing technology. Asking questions. Seeking answers from experts. Focused on shaping the future of ethical, transparent and trustworthy AI."

Gov. Gavin Newsom, California
California issued an executive order on Sept 6, 2023



NACo and AI



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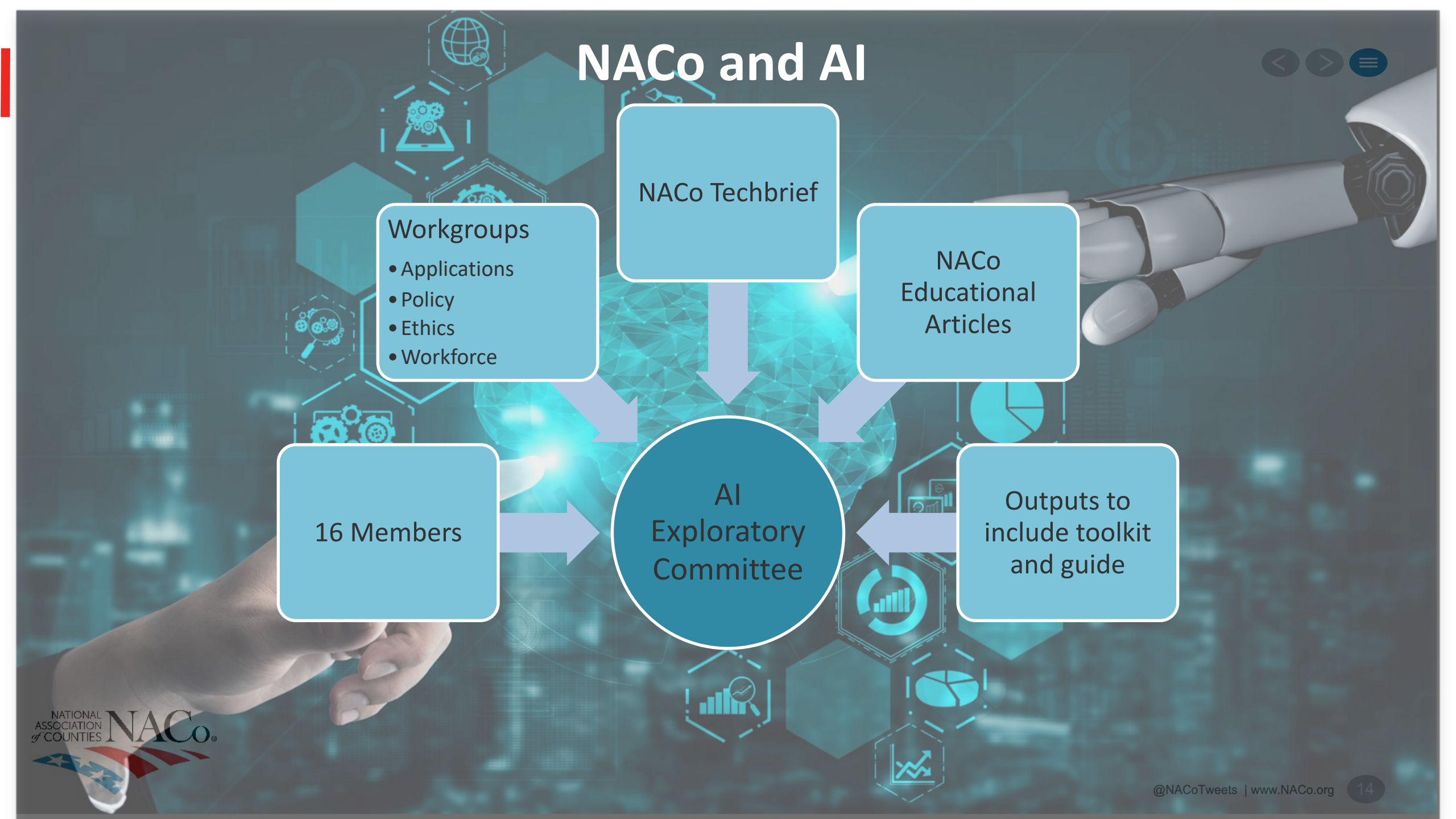
NATIONAL ASSOCIATION of COUNTIES NACo ARTIFICIAL INTELLIGENCE EXPLORATORY COMMITTEE

NACo and AI


NACo Techbrief
Workgroups
• Applications
• Policy
• Ethics
• Workforce
NACo Educational Articles
16 Members
AI Exploratory Committee
Outputs to include toolkit and guide

Assistance Available Through NACo

Artificial Intelligence

- AI Exploratory Committee
- Tech Brief-ChatGPT
- Fall Series
- 2024 Series

Artificial Intelligence – What Next

Artificial Intelligence Exploratory Committee