

# 2024 WISCONSIN COUNTIES ASSOCIATION LEGISLATIVE CONFERENCE

NATIONAL  
ASSOCIATION  
of COUNTIES **NACo**

Artificial Intelligence and  
County Government

Rita D Reynolds, CIO

NACo



A conceptual diagram for Artificial Intelligence (AI) centered around a glowing blue wireframe brain. Five light blue rounded rectangular boxes are arranged in a circle around the brain, each connected to it by a thin black line. The boxes contain the text: 'What is it?' (top), 'History' (top-right), 'County Next Steps' (bottom-right), 'Use Cases' (bottom-left), and 'Challenges' (top-left). A human hand from the bottom left points towards the central brain, and a robotic arm from the top right points towards it. The background is a dark blue digital space with various icons like gears, a globe, a bar chart, and a magnifying glass over a bar chart, all in a lighter blue color. In the bottom left corner, there is a logo for the National Association of Counties (NACo) with the text 'NATIONAL ASSOCIATION of COUNTIES' and 'NACo.' In the bottom right corner, there is a Twitter handle '@NACoTweets' and a website 'www.NACo.org'.

What is it?

History

AI

Challenges

County  
Next Steps

Use Cases



# AI

## Artificial Intelligence

### Machine Learning

### Deep Learning

### Generative AI

# 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.



# Technology History

1900s: Radio and  
Airplane (Wright  
Brothers' flight)

1950s-60s: Early digital  
computers

1960s-90s: Internet

1950s-present: Artificial  
Intelligence (AI)  
(Development of AI)

2007: Smartphones  
(Introduction of the  
iPhone)

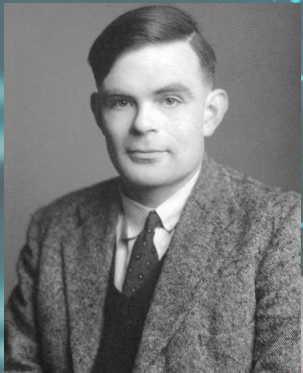
2000s-2010s: Social  
Media (Rise of platforms  
like Facebook, Twitter,  
and Instagram)

2023: Ongoing  
technological  
advancements (AI,  
Cyber)

AI

# History

## Inception of AI



1950s: Turing's seminal paper on computing and intelligence.

1956: Official recognition of the field at the Dartmouth Conference.

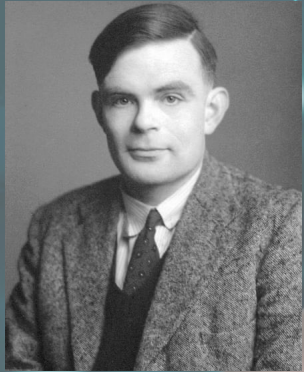
1960s-70s: Development of fundamental AI algorithms and logic programming.



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.

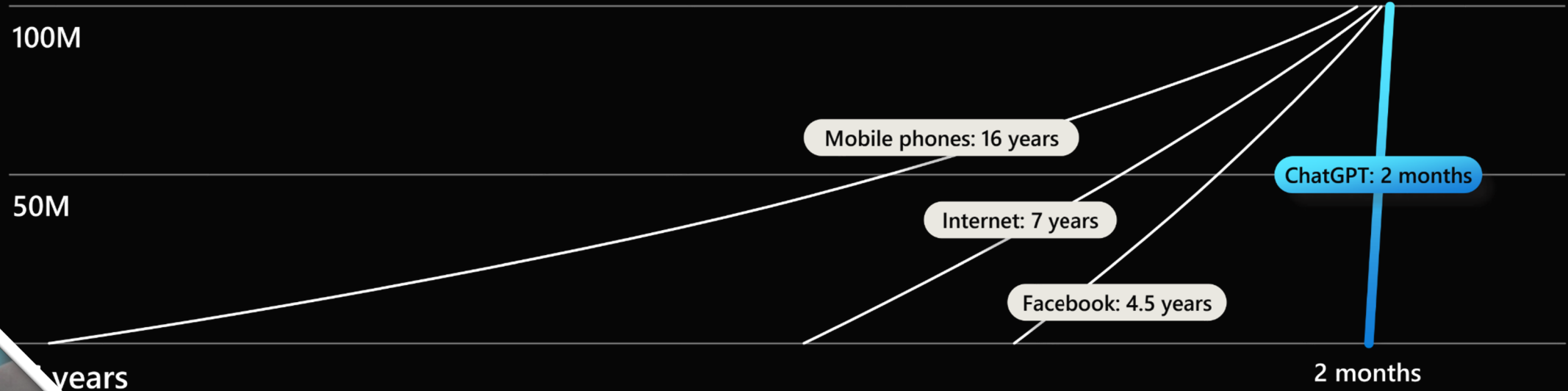
Mid-2010s: New  
AI creates art  
and music,  
predicts trends.

2020s:  
Generative AI  
helps in  
everyday tasks,  
from writing  
emails to finding  
directions.



# Generative AI

## Time to reach 100M users





AI

## Use Cases

# Impact on the County

### Productivity

- Memos
- Articles
- Policies
- Code Dev.
- Minutes
- Webinar Descriptions

### Resident Services

- Chatbots
- Translation
- Sentiment Analysis
- Storm Sense
- 311

### Cyber

- Monitoring
- Threat detection
- Phishing prevention

### Public Safety

- Drug Trafficking
- Human Trafficking
- Security Video Analytics

### Human Services

- Case analysis
- Forms Completion

AI

# Benefits

Increased productivity

Shorter research time

Doesn't take breaks

Advantages

Professional construct

Workforce Assistance

Faster delivery of solutions



AI

# Challenges



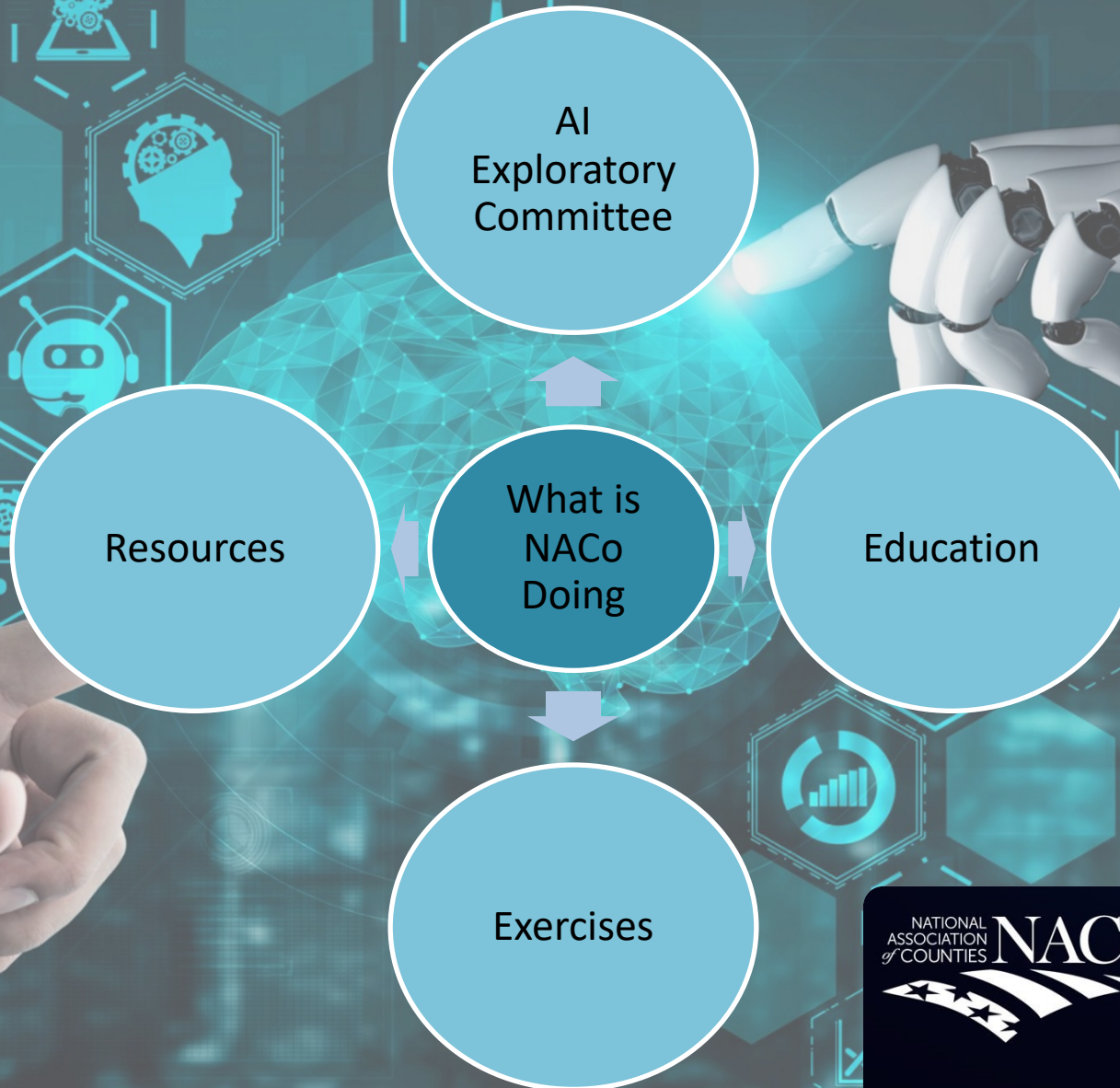
# The Future (is here now)

“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.”

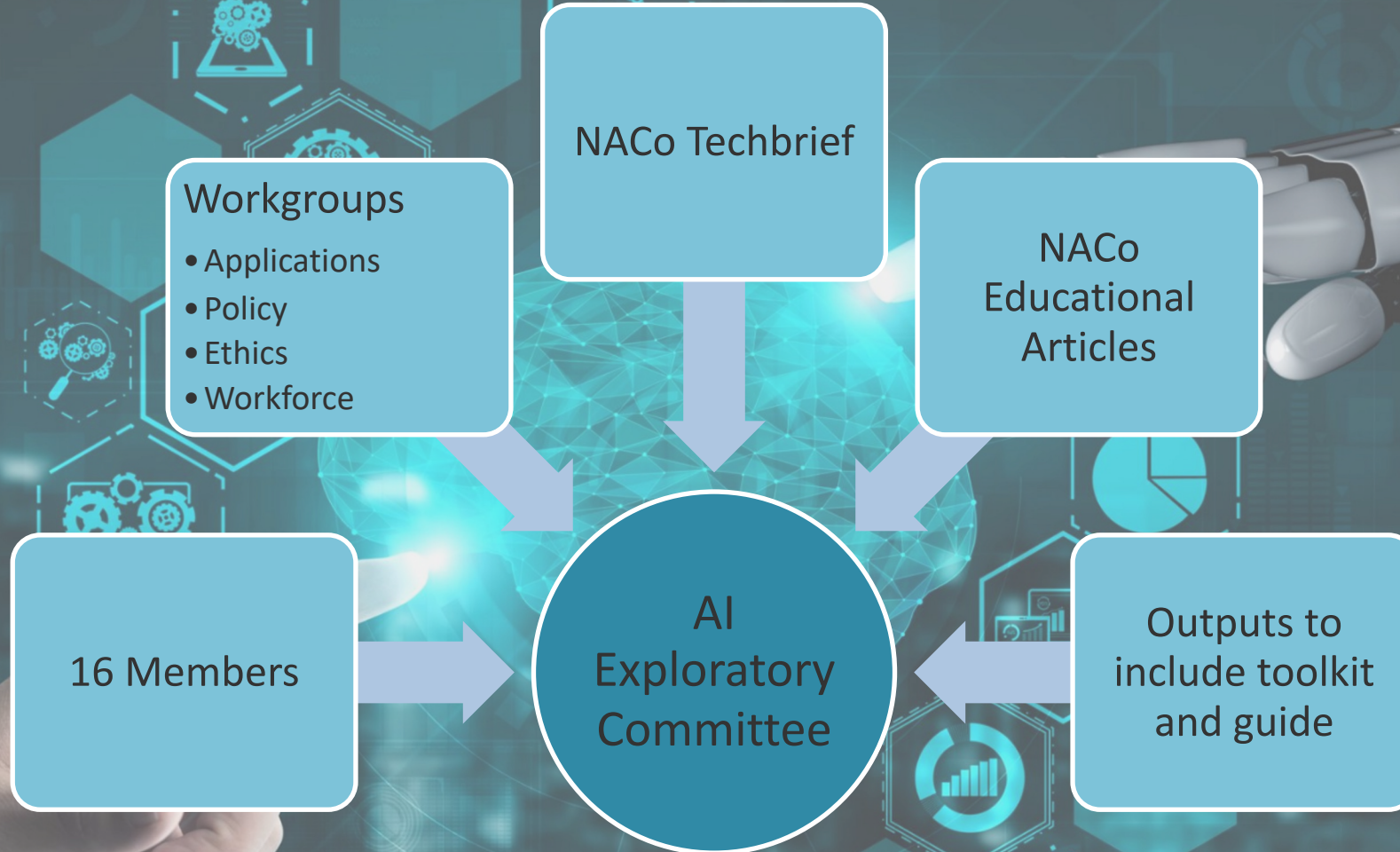
**Gov. Gavin Newsom, California**  
**California issued an executive order on**  
**Sept 6, 2023**



# NACo and AI



# NACo and AI





# Assistance Available Through NACo

## Artificial Intelligence

- AI Exploratory Committee
- Tech Brief-ChatGPT
- [Fall Series](#)
- [2024 Series](#)

# Artificial Intelligence – What Next

