

CIFA Summit on Water Infratructure

Artificial Intelligence



Date: April 2025

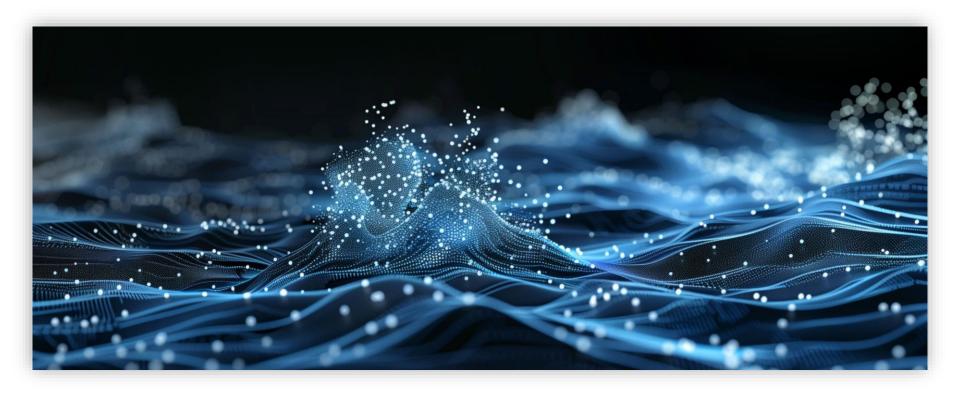




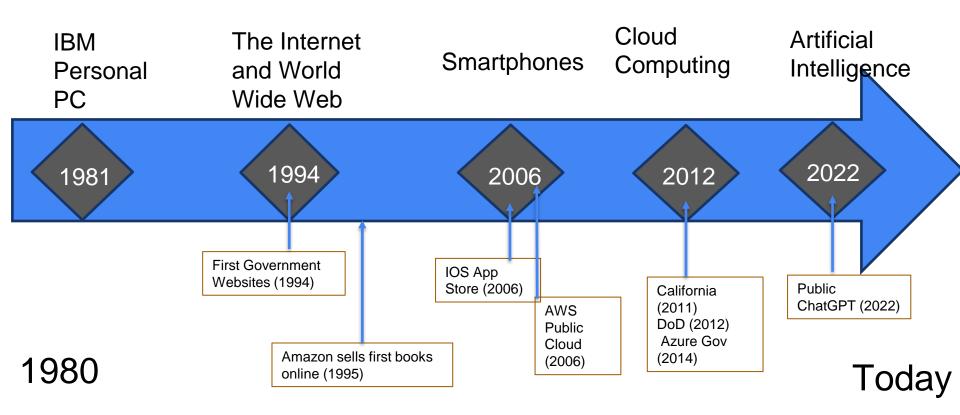
Definition

artificial intelligence (AI), the ability of a digital <u>computer</u> or computer-controlled <u>robot</u> to perform tasks commonly associated with intelligent beings.

Why all the fuss about Al now?



Adoption of Digital Technology







Al in Government

70%

Of governments will use AI to enhance human administrative decision-making by 2026

Source: Gartner, Top Business Trends in Government for 2024

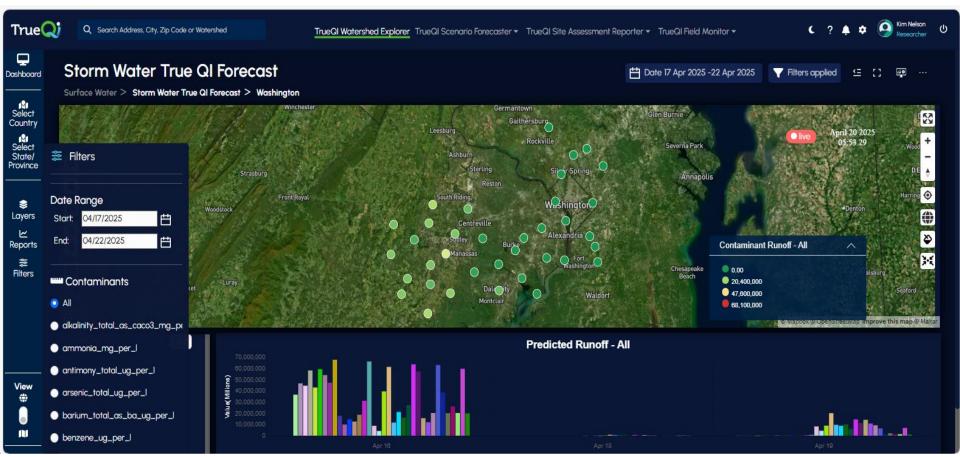
Al in Water and Public Agencies

Understanding Water Risk

Enhancing Water Efficiency Protecting Water Resources

Enhancing Citizen Experience

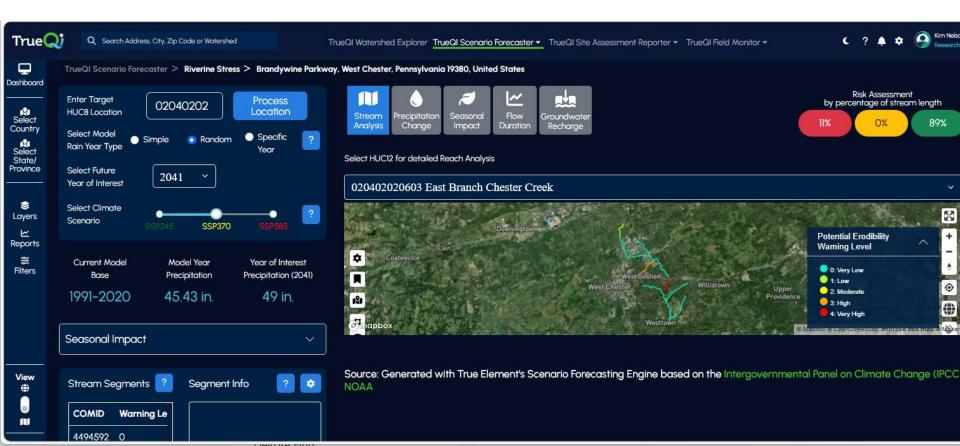
Understanding Water Risk Through Al





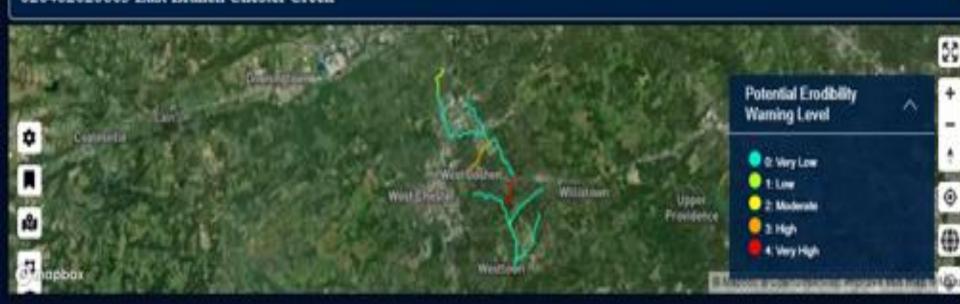
Enhancing Water Efficiency

Protecting Water Resources





Risk Assessment by percentage of stream length ll% 89% 0%



Enhancing Citizen Services

Generative AI

- Creates new content: text, images, music, or code. It is designed to mimic human creativity.
- Uses machine learning models to analyze patterns and generate output
- ChatGPT and DALL-E produce humanlike text or images responding to user prompts.

Key Feature: *Reactive*—it responds to user inputs to create something new. However, it doesn't "understand" the content it generates; it predicts outputs based on learned patterns.

Agentic Al

- Goal-oriented and designed to act autonomously to achieve specific objectives.
- Doesn't just create content; it makes decisions, takes actions, and adapts to changing environments.
- Autonomous vehicles or smart assistants that manage tasks without constant human input

Key Feature: **Proactive**—makes decisions and takes actions without human prompts, adapting to new situations.



Thank You!

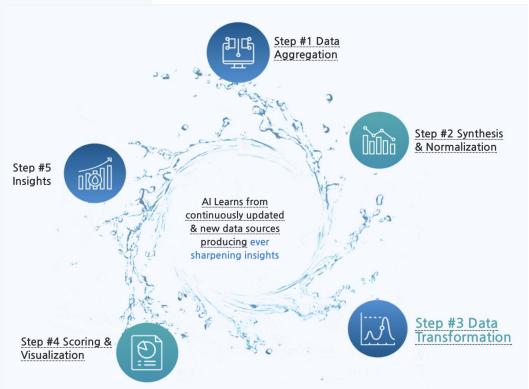
Questions?











Water Intelligence