



U.S. Nuclear Regulatory Commission  
**34<sup>th</sup> ANNUAL REGULATORY  
INFORMATION CONFERENCE**

**MARCH 8-10, 2022**

**PREPARING FOR  
TOMORROW**  
[WWW.NRC.GOV](http://WWW.NRC.GOV) #NRCRIC2022

# **Increasing NRC Readiness in Artificial Intelligence Decisionmaking**

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## Artificial Intelligence (AI) and the Nuclear Industry

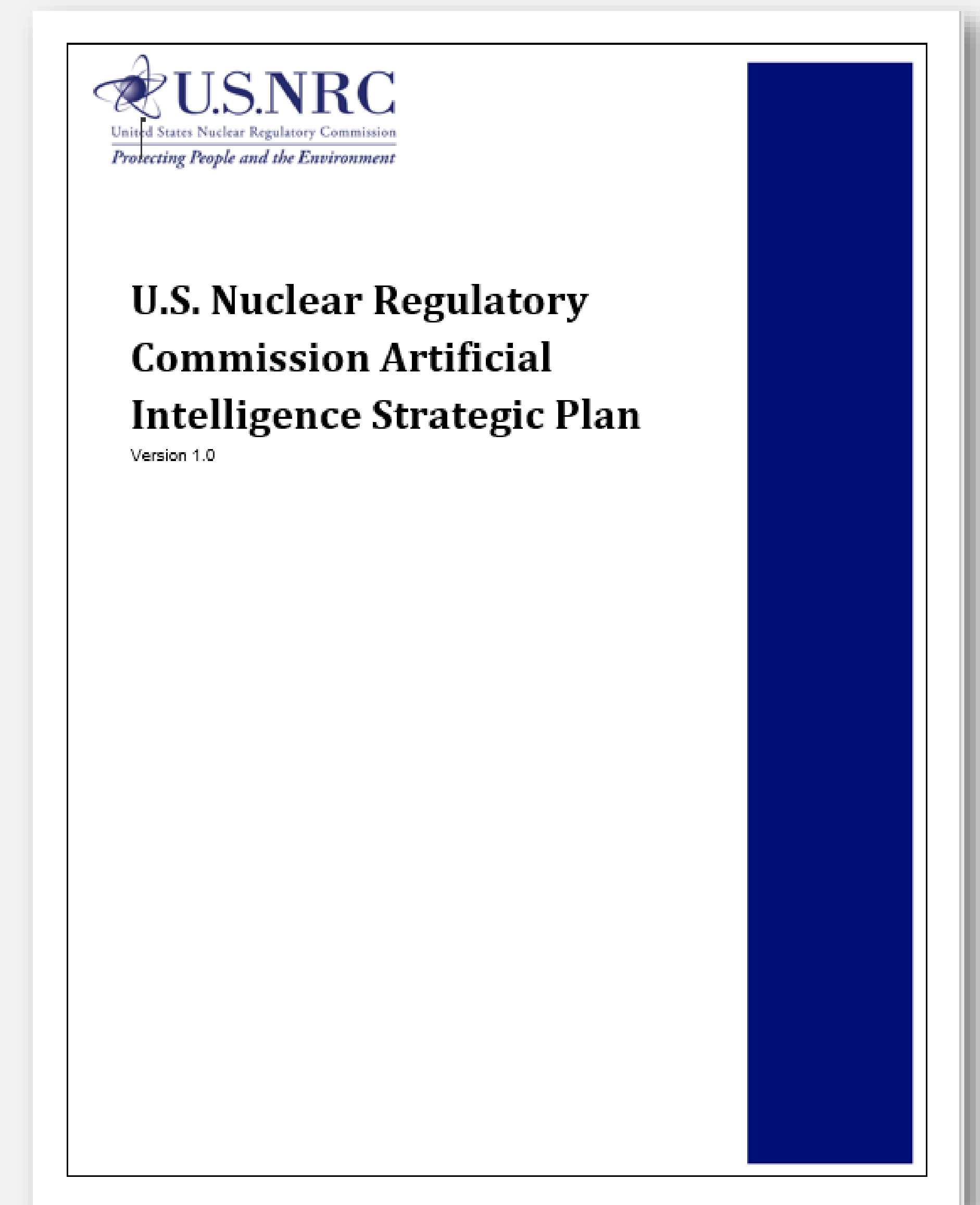
- The nuclear industry is researching and using AI applications
- The U.S. Nuclear Regulatory Commission (NRC) recognizes the potential to use data science and AI for regulatory decisionmaking
- The NRC must be prepared to evaluate these technologies





## **The NRC is developing the AI Strategic Plan to better position the agency in AI decisionmaking**

- Developing the AI Strategic Plan to better position the agency in AI decisionmaking
- Engaged interdisciplinary team of AI subject matter experts across the agency
- Leveraging insights from the 2021 Data Science and AI Regulatory Applications Workshops\*
- Plan to be finalized after receipt and consideration of comments from the public and feedback from the Advisory Committee on Reactor Safeguards



\*See NRC public Web site at <https://www.nrc.gov/public-involve/conference-symposia/data-science-ai-reg-workshops.html>



## Looking Ahead

- Publish draft AI Strategic Plan in the *Federal Register* for public comment: expected in summer 2022
- Host public meeting on draft AI Strategic Plan: expected in summer 2022
- Host 2022 Data Science and AI Regulatory Applications Workshop: expected in summer 2022
- Finalize AI Strategic Plan: expected by fall 2022



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