



IAEA

International Atomic Energy Agency
Atoms for Peace and Development

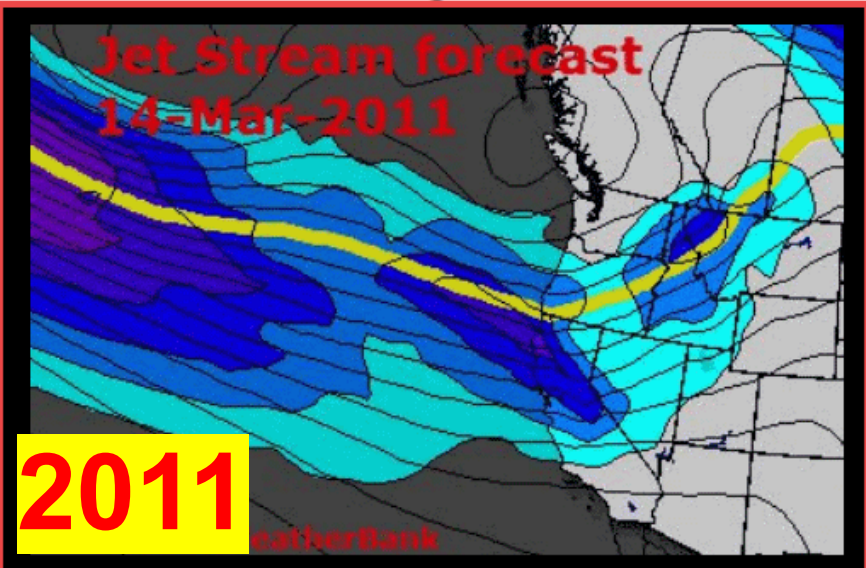
**67th REGULAR SESSION OF THE IAEA GENERAL
CONFERENCE**

SENIOR SAFETY AND SECURITY REGULATORS' MEETING

September 28, 2023

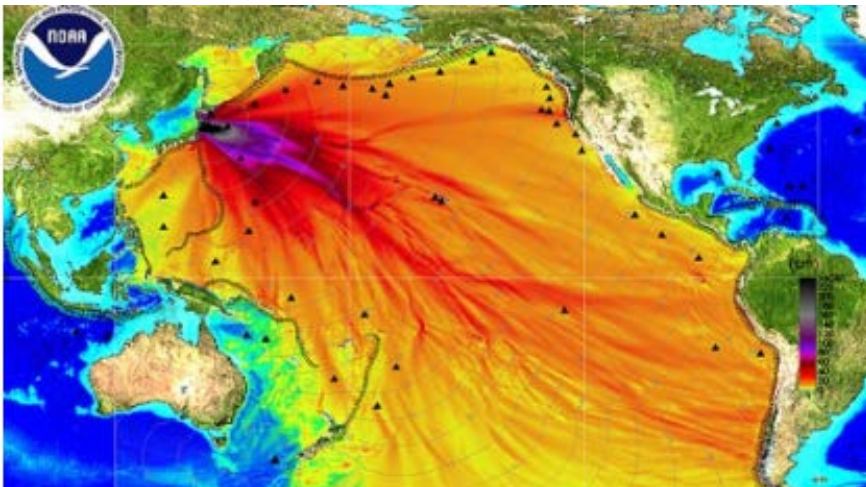
**IAEA Research on
AI Disruption of Emergency Response
- an Emerging Hazard**

**Peter Kaiser, Crisis Communication Adviser,
Incident and Emergency Centre, IAEA**



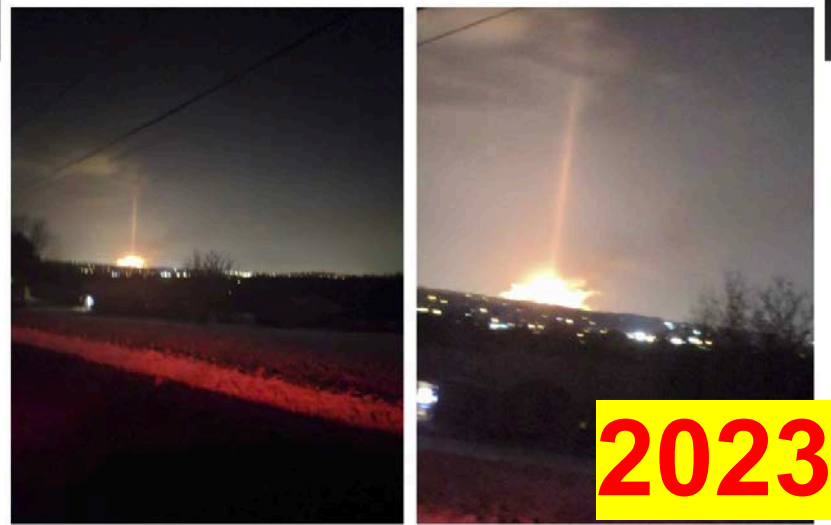
Some scientists are warning that fallout from Japan is now over California, and are suggesting to stay indoors with the windows closed until measurements can determine it's safe. One microgram of plutonium inhaled into the lungs gives a 50/50 chance of developing lung cancer. Like an email said, "don't go out unnecessarily; stay inside and love one another".

March 13 **Wall Photos** By William Golden · 7 of 7



Old photos are being misrepresented online to fuel a conspiracy theory about the Maui wildfires

AP FACT CHECK



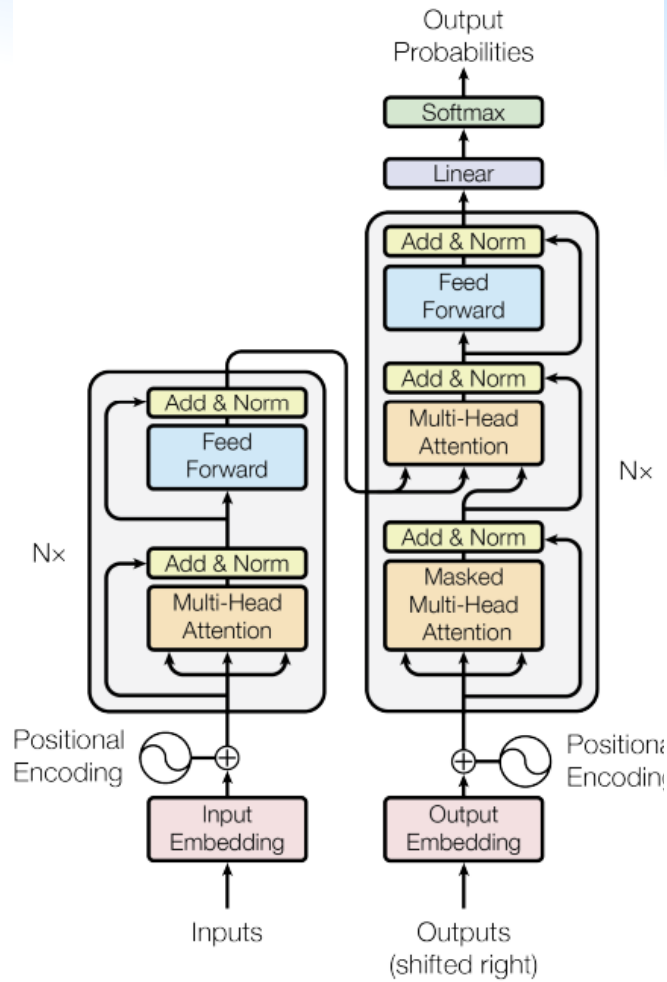


Figure 1: The Transformer - model architecture.



2017



Top reels

Reels · 6 Feb ·

Nuclear plant explode due to earthquake



Turkey

Nuclear plant explode due to #Earthquake in #Turkey. #PrayForTurkey #TurkeyEarthquake #deprem #Tsunami #Syria #viralreels #trendingreels #TurkeyEarthquake #Turkiye #Turkish #TurkeyQuake #turkeyhelp #turki #Turquia #Syria #syriaearthquake #Syria_earthquake #Syrian See less

6 Feb 2023

Top reels · Ori



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23 May 2023



Feb 2023

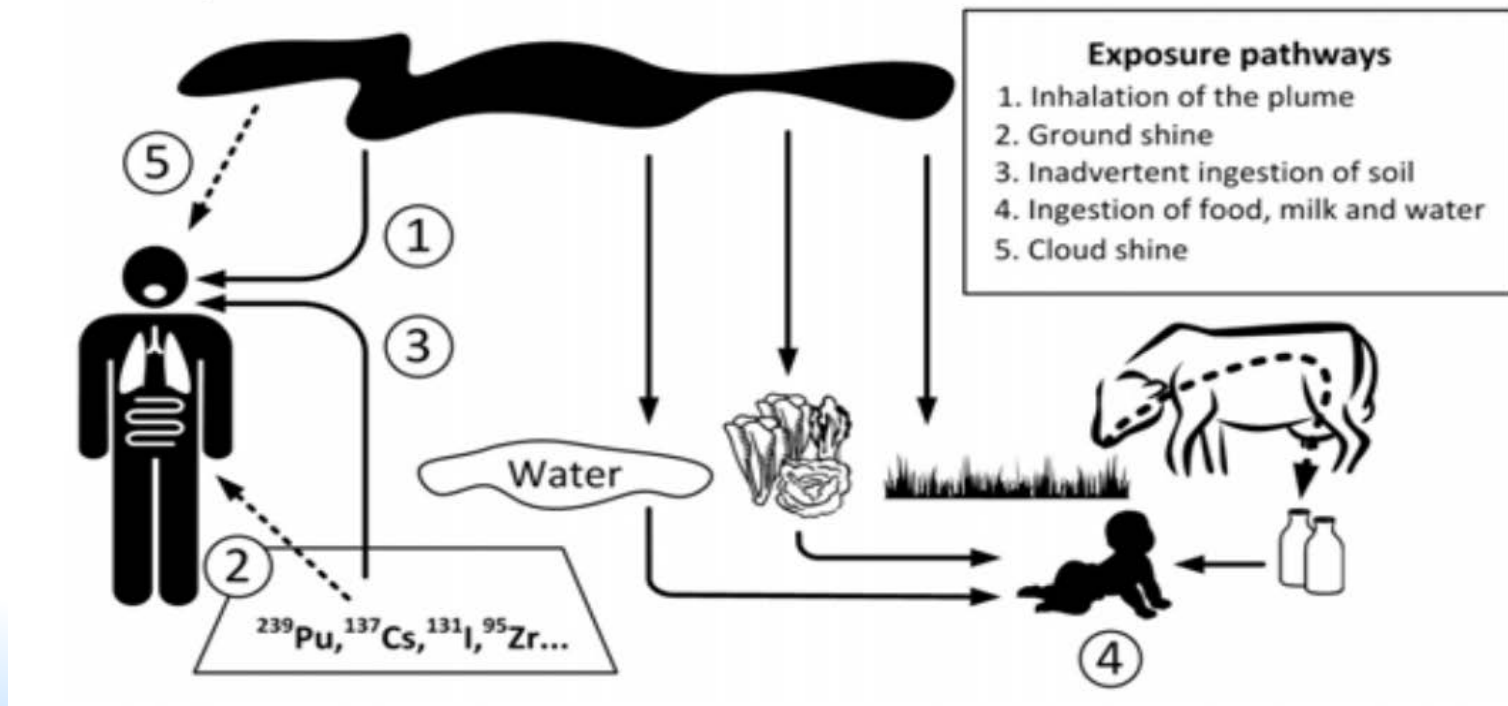
TikTok
@deptomcruise



Sept. 2023

Coordinated Research Project Objective

- Understand the disinformation threat
- Assess future AI and disinfo. development
- Recommend preparatory, response options



Researchers

- Cambridge University: Leverhulme Centre for the Future of Intelligence and the Centre for the Study of Existential Risk;
- Georgia Institute of Technology, School of Public Policy
- Harvard University, Berkman Klein Centre for Internet and Society
- North Carolina State University / Battelle Memorial Institute, Pacific Northwest National Laboratory
- Robust Intelligence
- DeepMind
- OpenAI
- Georgetown University, Center for Security and Emerging Technology
- **Open for proposals**

Next Steps:

Q1-2 2024

- Issue an introductory TecDoc
- Outreach for Technical Meeting

Q4 2024: Technical Meeting

- Identifying disinformation
- Reviewing response option feasibility
- Providing decision makers baseline for planning

2025-2026:

- AI (large language models) 1,000 x greater computer processing capacity
- “autonomous capabilities”

2024-2027

- CRP holds initial, mid-term and final annual meetings

Outreach: 2023-2024



- **October 2023:** CBRNe Science and Consequence Management Congress, Dubrovnik, Croatia
- **June 2024:** Competent Authorities Meeting
- **Nov 2024:** Technical Meeting



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Thank you!

