

# Understanding Nuclear Threats: The Open-Source Intelligence Revolution

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Secretary of Energy Advisory Board Meeting  
Stanford University  
October 26, 2023

# Iran's 2020 "Industrial Shed" Fire

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Atomic Energy Organization of Iran via AP

Iran's Atomic Energy Organization releases this photo July 2, 2020

An "incident" affecting an "industrial shed" under construction

# Overhead Imagery Reveals a Very Different Picture



Source: David Albright, Sarah Burkhard, and Frank Pabian, Institute for Science and International Security, July 8, 2020

# Nuclear Threat Intelligence Isn't Just for Governments Anymore

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- How we got here: commercial satellites, the Internet, AI
- Key differences between the OSINT ecosystem and US Intelligence Community
- Benefits, risks, and questions

# Nuclear OSINT: The Star Wars Cantina



# Two Vastly Different Ecosystems, Each with Strengths and Weaknesses

	Non-governmental open-source intelligence	US Intelligence agencies
Customer	The world	The nation
Membership	Open: Anyone can join from anywhere	Closed: Hiring rules and security clearances
Analyst backgrounds	Broader	Narrower
Product quality control	Voluntary, informal peer review	Mandatory, formal peer review
Ecosystem speed	Faster	Slower

# Benefits and Risks

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- + More hands on deck
- + More sharable information (within USG, across countries)
- + More diverse analytic perspectives
  
- Mistakes can go viral – sapping attention, resources
- Deliberate deception
- Countermeasure risk
- Crises become harder to manage

# Key Questions

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- When, where, how can nuclear threat OSINT be additive? Redundant? Clarifying?
- As nuclear seeking becomes more sophisticated and diffused, how will nuclear hiding change?
- How can DOE and the IC institutionalize networks and practices for OSINT collaboration?