

Raising Awareness of Space Weather Impacts on UK Infrastructure

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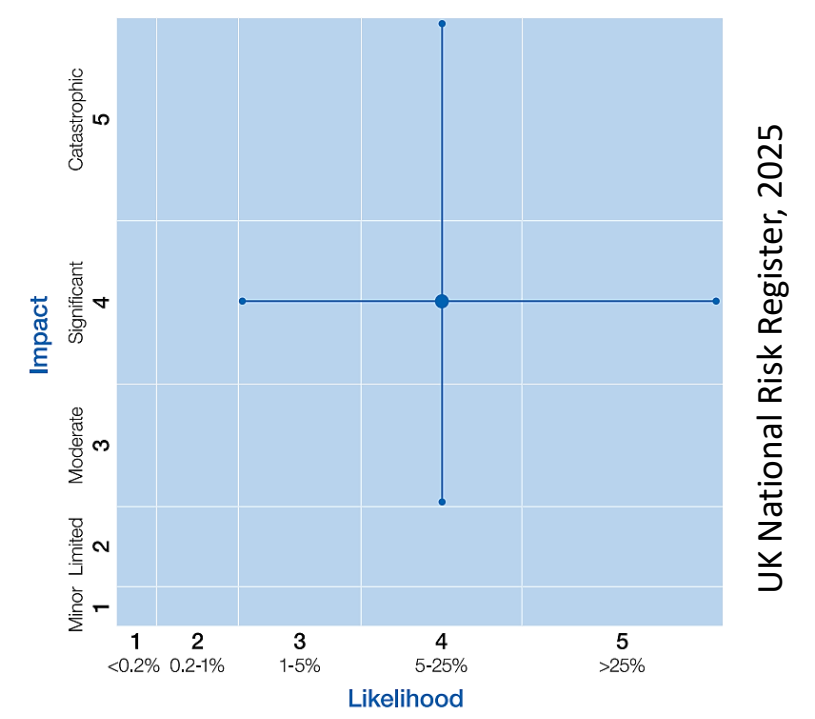


Research Overview

- Space weather events pose hidden risks to the UK's critical infrastructure, including power grids, aviation, and satellite services.
- This research highlights the socio-economic consequences and the urgent need for public and industry awareness.
- We've developed outreach tools to bridge the gap between scientific knowledge and societal preparedness.

Industry Relevance

- Supports risk identification and mitigation in GNSS, telecom, energy, and transport sectors
- Enables informed decision-making for infrastructure resilience
- Aligns with UK National Risk Register and sector-wide preparedness goals

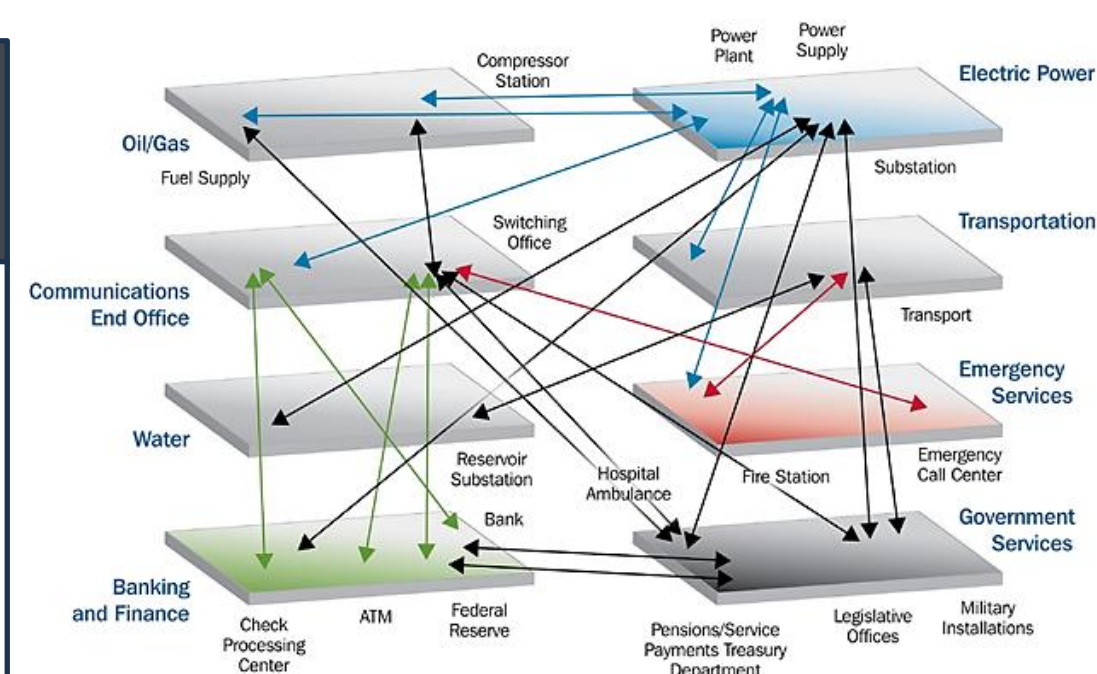


Methods & Technologies

- Risk modelling using UK-specific data and SWIMMR programme insights
- Outreach tools: prototype website, infographics, educational cards, and social media strategy
- Collaboration with MOSWOC and UK Space Agency for real-time alerts and forecasting

Innovations

- Built a platform for dialogue between academia, industry, and the public
- Created tools to support knowledge sharing and public engagement
- Focused on identifying and addressing real industry needs through collaborative learning



<https://doi.org/10.1007/s13198-020-01003-9>

Opportunities

- Seeking partners for co-developing awareness platforms and training modules
- Open to collaboration on resilience planning, testing, and educational outreach
- Let's work together to turn awareness into action and build a more resilient UK

