

Fukushima: Nuclear Response

The Foundation for Science and Technology

The Royal Society

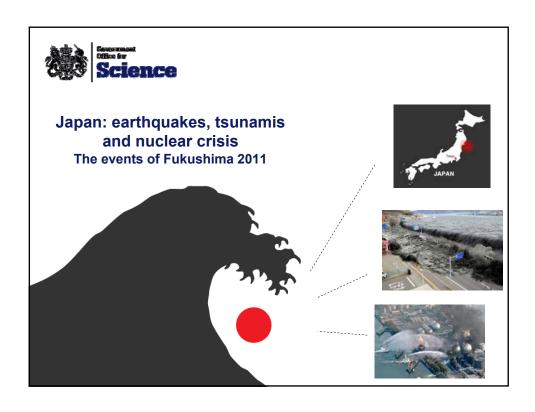
Sir John Beddington
Chief Scientific Adviser to HM Government and
Head of the Government Office for Science

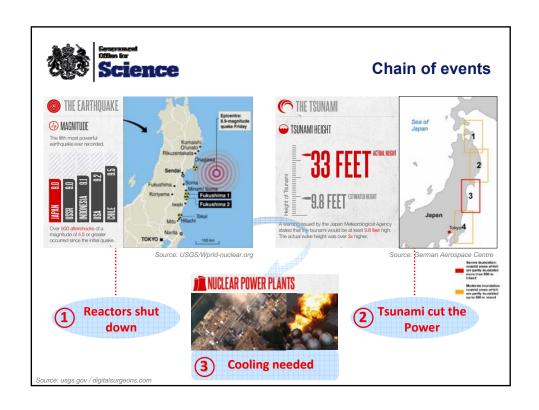
18th May 2011



Great expectations





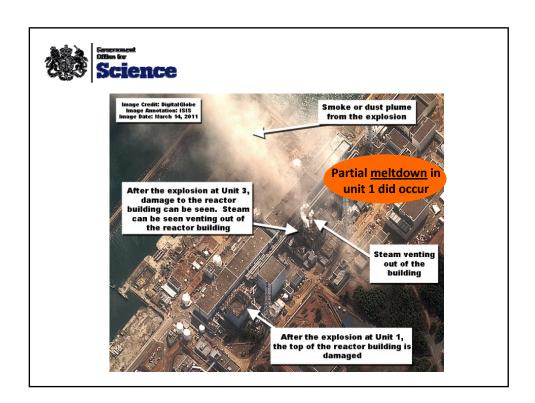


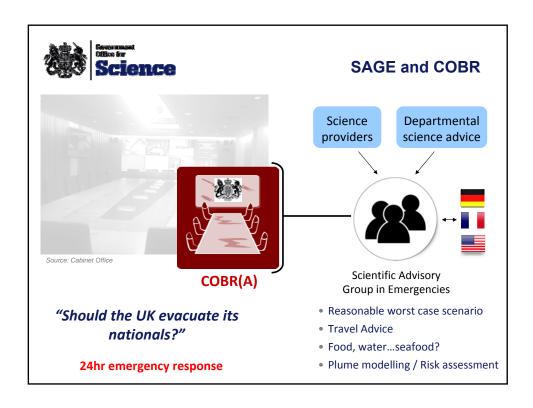


Fukushima Daiichi nuclear power plant



Source : NNL - 18 March 2011







Transparency: SAGE Members

Members

- British Geological Survey
- Cabinet Office
- Department for Health
- Department for the Environment, Food and Rural Affairs
- Department for Transport
- Department of Energy and Climate Change
- Food Standards Agency
- Foreign and Commonwealth Office
- Health and Safety Executive
- Health Protection Agency

- Home Office
- Met Office
- National Nuclear Laboratory
- RIMNET
- UK Chief Nuclear Inspector
- Department for International Development
- Professor Robin Grimes (Independent)
- Dame Dr. Sue Ion (Independent)
- Professor Richard Wakeford (Independent)

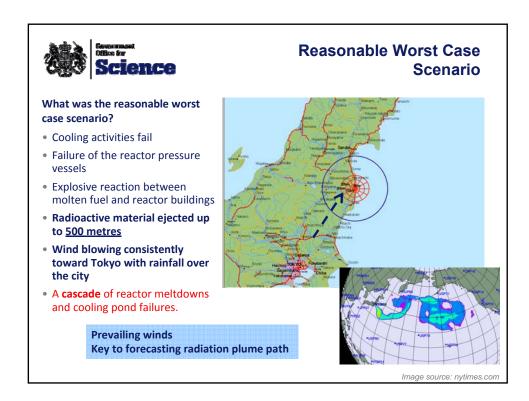
Observers

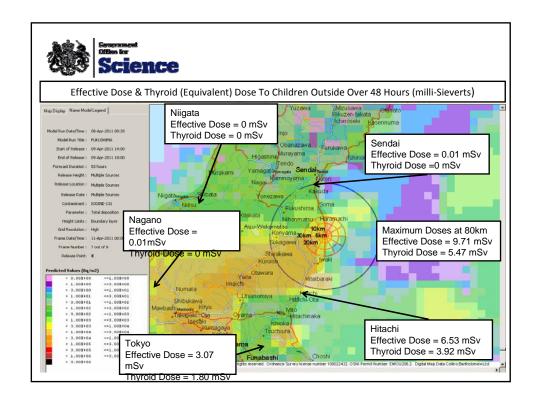
- Civil Aviation Authority
- Scotland Office CSA
- UK Borders Agency
- British Energy

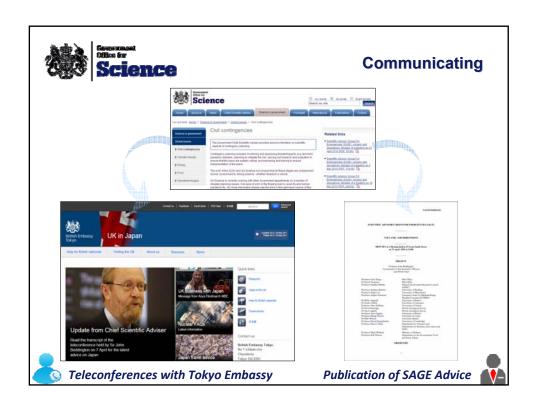


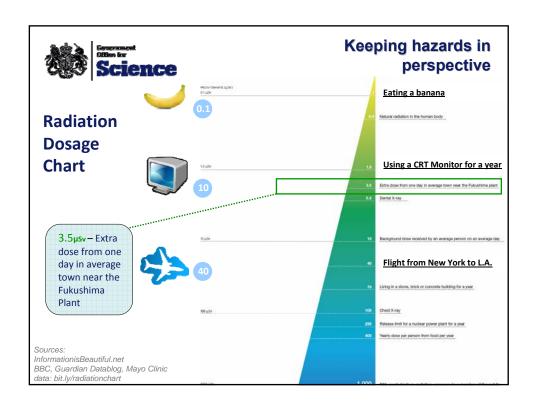
Source: GO Science website

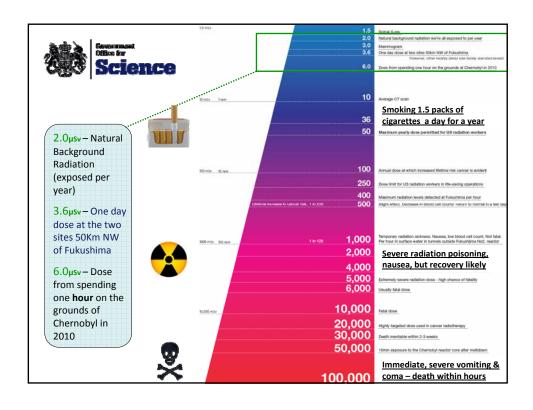


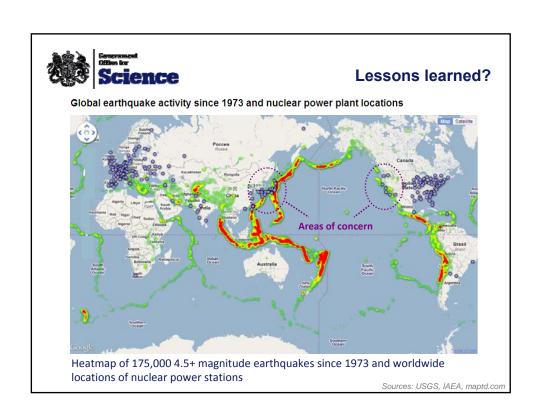


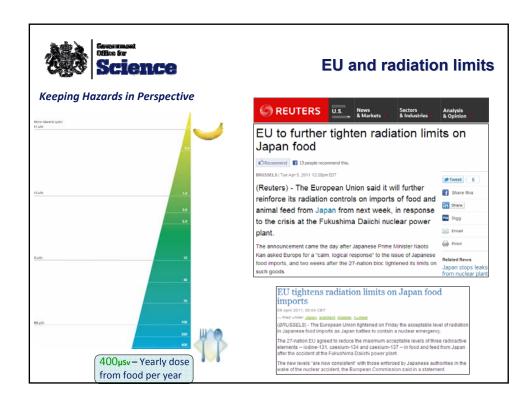














What's next?

Conclusions for the UK

- No reason to curtail operation of nuclear plants or facilities in the UK
- UK nuclear power industry has reacted responsibly
- Creation of the Office for Nuclear Regulation
- No significant weaknesses in the UK nuclear licensing regime
- Flooding risks unlikely to prevent construction
- No reason to change present siting strategies for new nuclear power stations
- · No reason to depart from multi-plant design
- UK's gas-cooled reactors give longer timescales for remedial action



Source: ONR Report, Mike Weightman May 2011

Work is underway to develop "Stress tests" for nuclear power stations



Public Opinion



Nuclear is best way to tackle Climate change / Has a role to play in UK's Future Energy Mix



Source: FT

"Recent opinion polls in Japan by media showed that a majority of those polled are in favour of continuing or increasing the use of nuclear power. In last week's elections in Tsuruga-City where several nuclear power facilities are located, a pronuclear power mayor was re-elected."



Koji Omi, STS Forum, May 2011



"Probabilities direct the conduct of the wise man"

Marcus Tullius Cicero 106- 43 BC

