

# The World Institute for Nuclear Security (WINS) – From Concept to Reality

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Former Director, Security, Safeguards and International Affairs,  
BNFL Group

Presentation to

*1540 Workshop, Nashville*

# Background



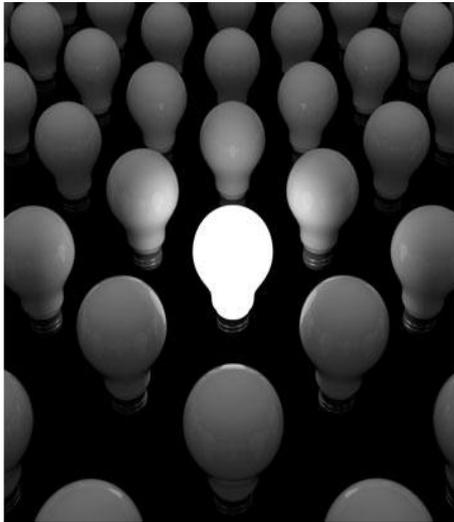
Directed Nuclear Security across the BNFL Group for almost 20 years:  
BNFL Security Budget – £40M/yr  
Post 9/11 capital upgrades – £70M



Co-Chaired the Police Authority of the United Kingdom Atomic Energy Constabulary for 10 years: Budget – £50M/yr

Chaired the Review of the IAEA Security Programme in November 2007

# The World Institute for Nuclear Security (WINS)



A new international forum to be formed for nuclear security professionals to exchange best practices, with the aim of improving nuclear security worldwide

# Global Initiative to Combat Nuclear Terrorism

“Participating in or hosting expert-level scenario based exercises to test capabilities, develop new operational concepts, and enhance preparedness, as well as expert-level **workshops to share best practices** and develop means for the rapid exchange of technical and operational information among participating states under the condition of appropriate protection of the confidentiality of any information exchanged in confidence”

# Founding organisations





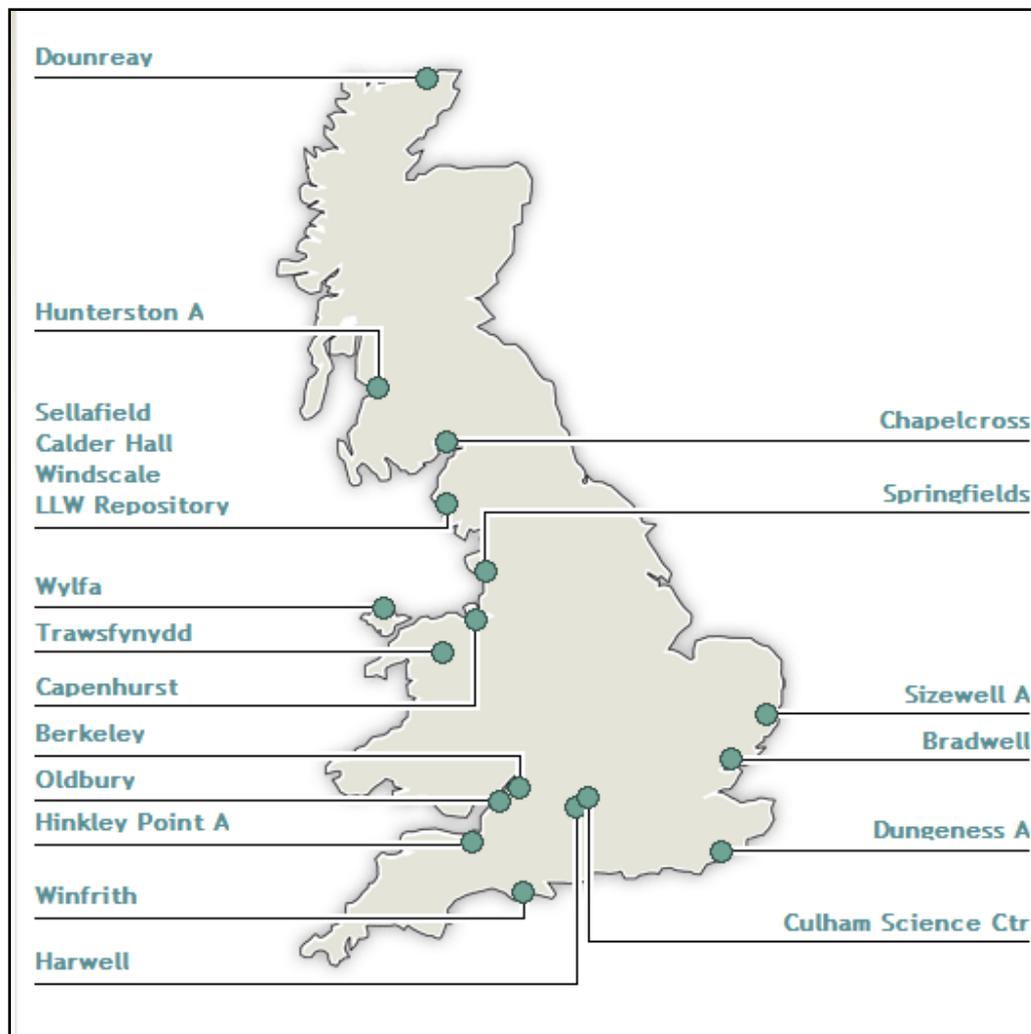
# Director General IAEA



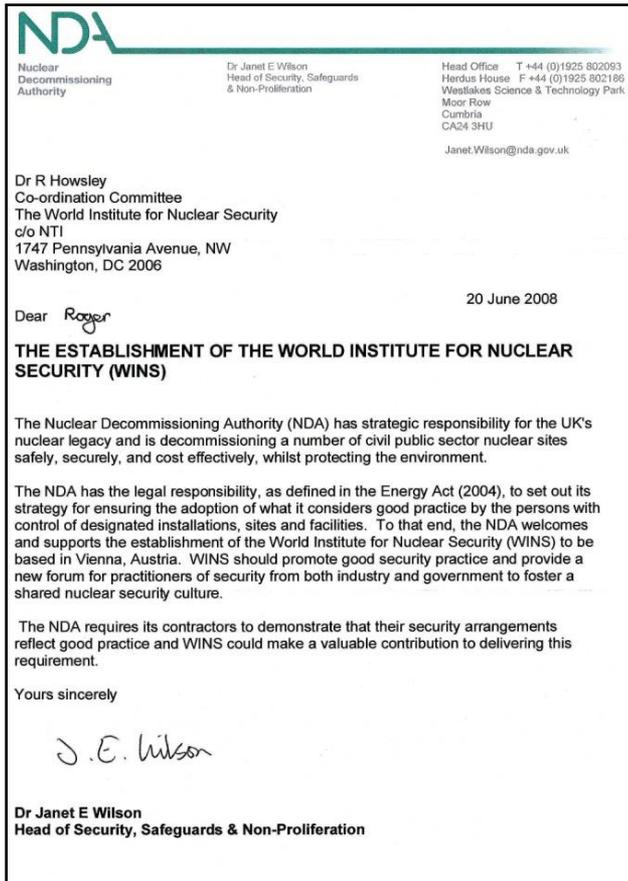
“...confident that establishing a forum to help share and promote best practices...will improve nuclear security and contribute to and complement the efforts of the IAEA”

“I am pleased, therefore, to provide my support and endorsement for the establishment of the World Institute for Nuclear Security, to be based in Vienna”

# NDA sites



# Nuclear Decommissioning Authority



- Owns 19 sites in the UK
- Sites have a total of over 100 tonnes of separated Plutonium and 3 tonnes HEU
- 90%+ of the UK Waste Inventory

“The NDA requires its contractors to demonstrate that their security arrangements reflect good practice and WINS could make a valuable contribution to delivering this requirement.”

# British Energy

Sir Adrian Montague CBE  
Chairman

**British Energy**

Dr Roger Howsley  
4 Berry Close  
Wilmslow  
Cheshire  
SK9 1LR

26 June 2008

*Dear Dr. Howsley,*

I am writing to express our support for the establishment of the World Institute of Nuclear Security. This is both a timely initiative and a necessary reaction to the situation we all face.

Over the years British Energy, the operator of all but two of the UK's nuclear generating stations, has benefited immensely from the exchanges in relation to good practice and safety made possible through the auspices of WANO. The improvements in safety culture and operating performance at British Energy made in the past few years owe much to our ability to draw on world-wide experience and take part in peer evaluation and information exchange. The arrangements for exchanging safety information across the nuclear industry are, I suspect, better than the arrangements in any other sector and reflect both the safety culture that is essential for nuclear operations and a realisation that an event anywhere in the world will impact public confidence, regulatory attitudes and investor sentiment affecting every industry participant.

For many years the security threat to our industry has had a similar potential, but has not had the same profile. Particularly since 2001 we have worked to improve our security arrangements and make sure that, within the Company, security ranks alongside safety as an essential pre-requisite of our licence to operate. Externally, however, the ability to share good practice and exchange ideas on mitigation of threats has been a difficult area restricted by national security considerations and often more effectively conducted through regulators. I believe more could be achieved with an effective and trusted means by which operators could work together to deliver a more secure industry and learn from the issues encountered by their peers. We see WINS having the potential to fill that gap and, as we move into an investment phase, it looks an increasingly appropriate development.

I wish you well in the task of getting WINS off the ground.

*Yours sincerely*  
*Adrian Montague*

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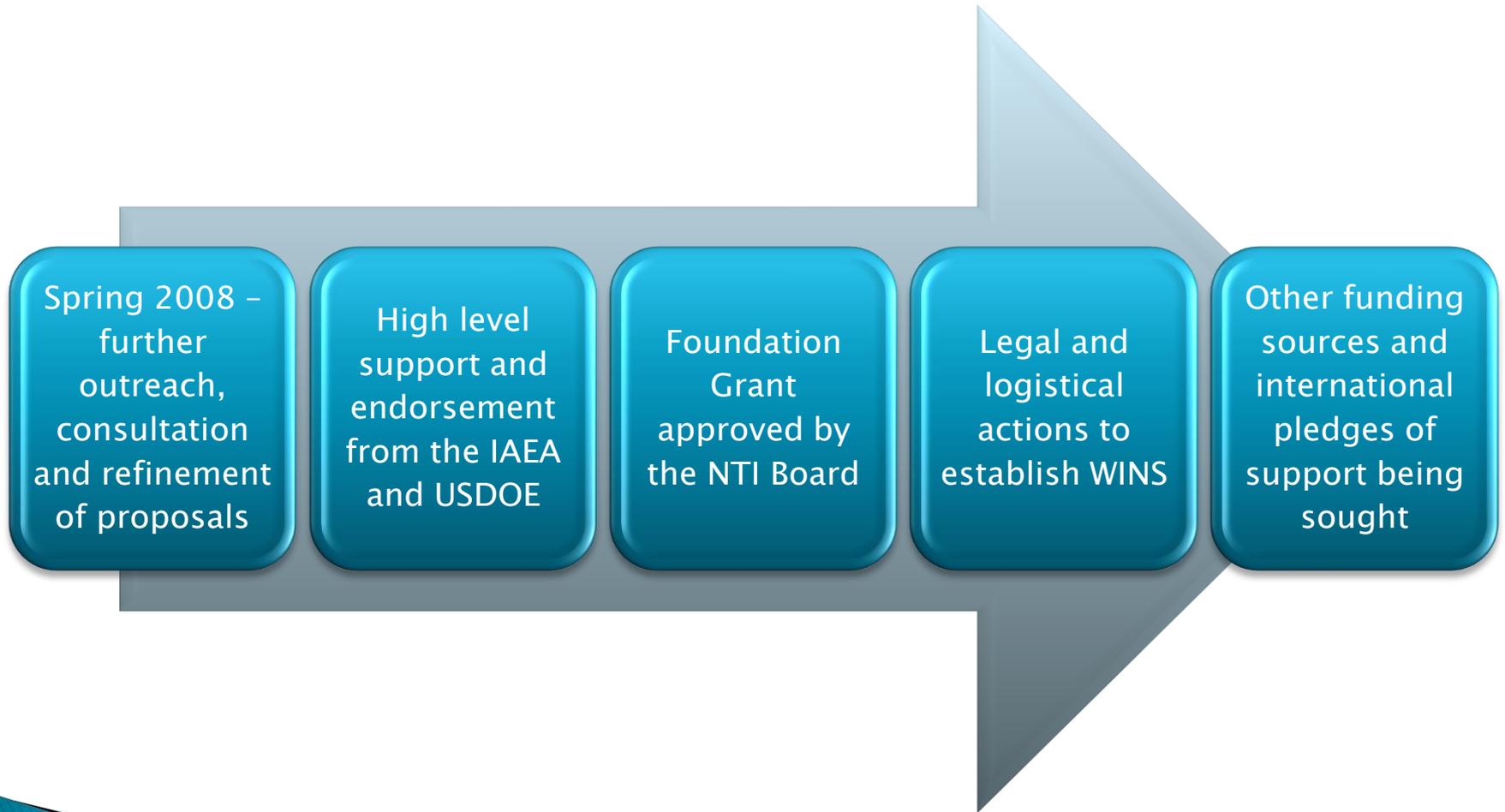
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# Current situation (July 2008)



# Activities and Future plans (cont)

Members will choose themes but these are possible subject areas:



# Hierarchy of Security Responsibilities

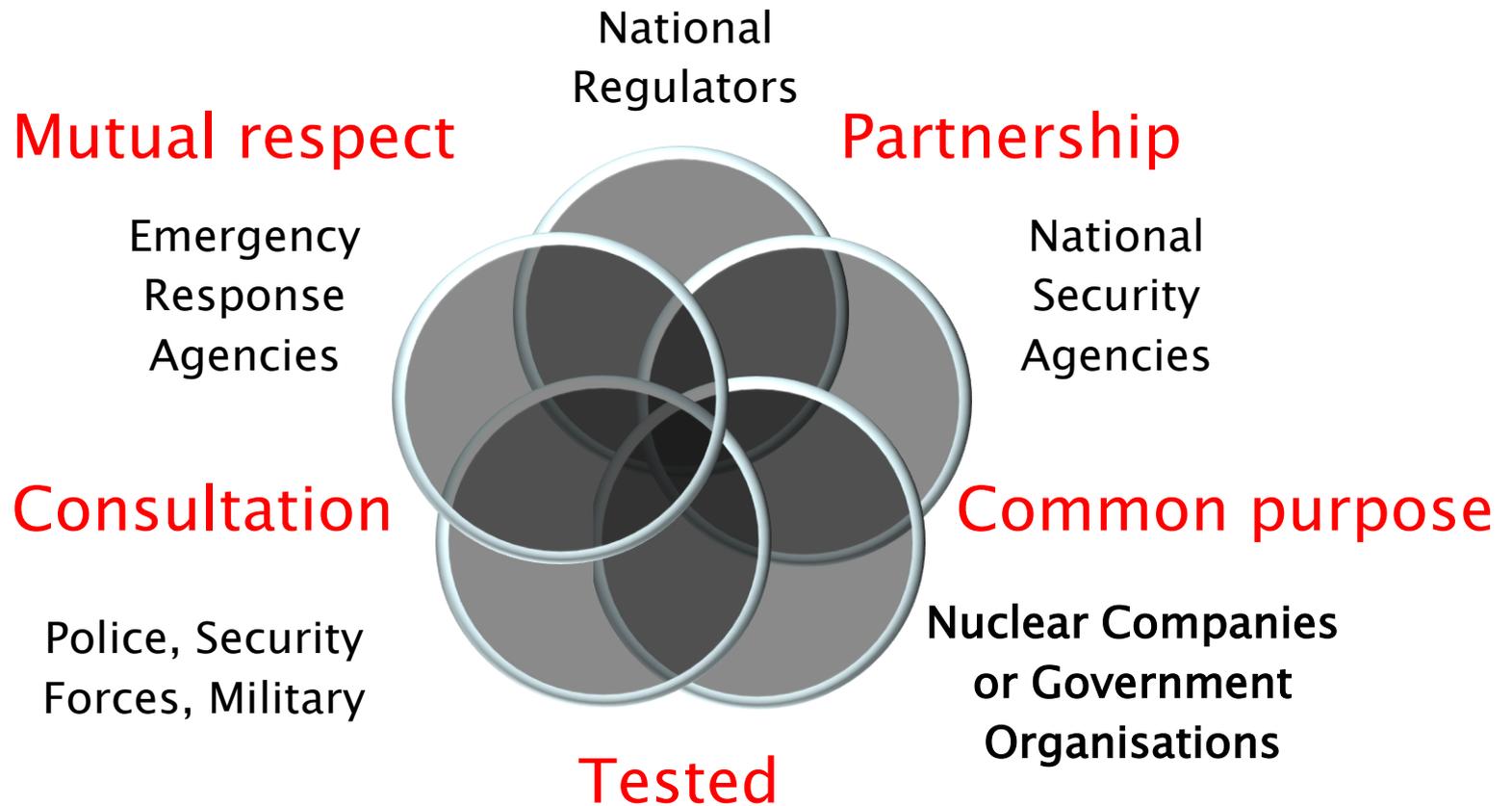
## ▶ WHAT



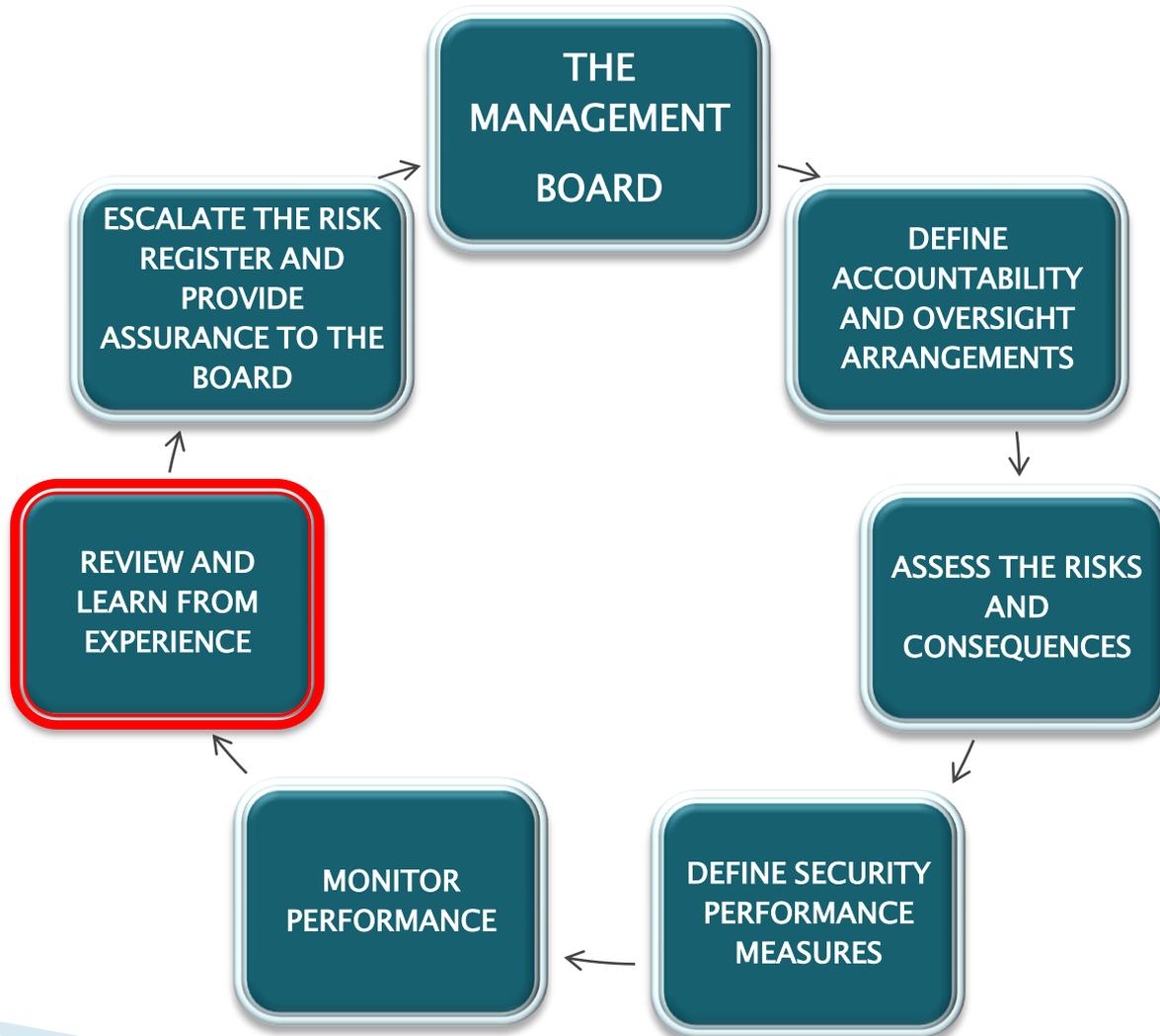
## ▶ WHO



# What the relationships should look like...



# Effective Oversight of Security



# Appropriate and Effective

**“If you’re not keeping the score you’re  
only practising”**

Sir Hugh Collum, Chairman BNFL, 1999



# Activities and Future plans

Members will choose themes but these are possible subject areas:



# Please think about..

What does your organisation do that is best of breed?

What special skills or knowledge do you have that could be transferred to other organisations to help improve security?

# Please think about..

Where do you need assistance with an improvement area and do you know who has achieved best practice in this area?

How can you help WINS to help others?

# WINS on the WEB

Links:

[www.nti.org](http://www.nti.org)

[www.inmm.org](http://www.inmm.org)

[www.wins.org](http://www.wins.org)

# WINS Contact points

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