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# STFC Clasp Security Call

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## Challenge Led Applied Systems Programme

Taking STFC sponsored science to address  
Global Challenges

# A SHORT history

First PNPAS General Call in 2009

**CLASP**      **Healthcare 2010** (5 projects)

**Security 2011** (6 Projects)

Detection of Contraband, imaging and x-ray production

**Environment 2012** (7 Projects)

**Energy 2013** (4 Projects)

**Health 2014**

# The Basic Rules

- A realistic chance of the project being demonstrated or prototyped
- Route to Market identified
- Size of Market identified
- How does it change capability?

Blue sky research and very low TRL projects are unlikely to get funded

- **This is a Competition**

# Challenges

- Last time we looked mainly at detecting Chemical, Biological, Radiological, Nuclear and Explosives.
- Increasingly our security is threatened by activity in Cyberspace.
- Can we exploit developments such as “Big Data” and the “Internet of Things” for security purposes?

# Priority Areas

- Data Analysis for Identification of Threats
- Chemical Sampling
- Sensor Integration
- Power Management
- Detecting Intrusion by Small UAVs
- Any other smart ideas?

Batteries and Fuel Cells **X**

Machine Learning, AI etc. **X**

Detection and/or characterisation of SNM **X**



Thank You

Any Questions?