



# CLASP

## Challenge Led Applied Systems Programme

CLASP Security Call

Information & Networking Day

20 May 2015

Introduction & Welcome

# What STFC does

- STFC funds world class and world-leading research in **astronomy, particle physics, nuclear physics and space science**

This research takes place in

- University groups
  - £400m live grant funding
  - Funding 1,700 academic staff in 50+ UK universities
- STFC laboratories
  - Harwell (Oxford),
  - Daresbury (Warrington),
  - UK ATC (Edinburgh)
- International facilities
  - CERN (Switzerland), ILL, ESRF (France)
  - ESO, ESA
- International Projects include,
  - ESS, XFEL, SKA , FAIR , ALMA and many others



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# Delivering Impact

Impact to the nation includes :-

- i. industrial/economic advances,
- ii. policy developments,
- iii. outreach and societal benefits ,
- iv. the **training** of scientists & engineers - really important.

STFC's own vision is to extract maximum impact & benefit from its research base in order to:

- introduce innovative technology
- develop new people skills → enrich society (STFC Impact Report 2012)
- drive the economy
- improve the lives of citizens

**CLASP is one way that we do this.**

**CLASP concentrates on applications for industrial & commercial opportunities.**



# REF 2014 Impact Assessment Requirements from the University Sector

REF Panel Quality Profiles

Outputs 65%

Impact 20%

Environment 15%

**Number of Category A staff**

**Required number of impact case studies**

up to 15	2
15 - 25	3
25 - 35	4
35 - 45	5
45 or more	6, plus 1 further case study per additional 10 FTE



# Challenge Led Applied Systems Programme (CLASP)

## Applies STFC research to global challenges

- For CLASP - the user community (Industry, Government etc.) define the "priority areas" and the STFC community responds with proposed solutions.
- Funds are awarded for short feasibility studies and large developmental projects that arise from STFC funded research.
- For CLASP 2015, £1.5m is available for projects exploiting STFC research capabilities for solving healthcare challenges.
- Projects can be multidisciplinary and user/customer engagement strongly encouraged - more information later from Philip Tait
- Industry can offer in-kind support or as a subcontractor for key activities.

# History of CLASP

First PNPAS Call -- General Call 2009

CLASP Previous calls

- Healthcare 2010
  - o Sensing, Isotope Production, Data Analysis (5 projects)
- Security 2011
  - o Detection, Imaging and X-ray Production (6 projects)
- Environment 2012
  - o Air & water pollution sensing & monitoring (7 projects)
- Energy 2013
  - o Energy production, radiation & carbon sensing (4 projects)
- Healthcare 2014
  - o (6 projects)



# CLASP Assessment

We are looking for:

1. A realistic prospect of product or service being demonstrated or prototyped by the end of the grant period.
2. Firm evidence of a clear channel to market and/or of engagement of an exploitation partner.
3. Demonstrable genuine advantage through novelty / intellectual property / process improvement
4. An understanding, rationale for and articulation of the market opportunity i.e. the 'size of the prize'

We are not looking for:

- Very low TRL projects
- Blue skies research

**This is a competition!!**



# Today's Agenda....

## PROGRAMME

Time	Item	Speaker
10.00 – 10.30	Registration and coffee	
10.30 – 10.40	Welcome and Introduction	Prof Val O'Shea University of Glasgow
10.40 – 11.10	Current Challenges in Security and Focus for CLASP Call	Prof Dick Lacey Home Office
11.10 – 11.25	STFC Labs Capabilities in Security	Dr Bryan Edwards STFC
11.25 – 11.40	Case Study - High-Efficiency Large-Area Neutron Scintillation Detectors for Radiation Portal Monitors	Dr John McMillan University of Sheffield
11.40 – 11.55	Case Study - Development of Mutually Beneficial Industry University Relationships	Dr Bela Green Kromek Ltd
11.55 – 12.15	CLASP Funding Scheme	Dr Phillip Tait STFC
12.15 – 12.30	Global Challenge Programme Funding Opportunities	Dr Katharine Hollinshead STFC
12.30 – 13.00	Open Discussion	Prof Val O'Shea University of Glasgow
13.00 – 16.00	Lunch and Networking / Partnerships Building	





# Thank You

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