

Global Challenge Programme

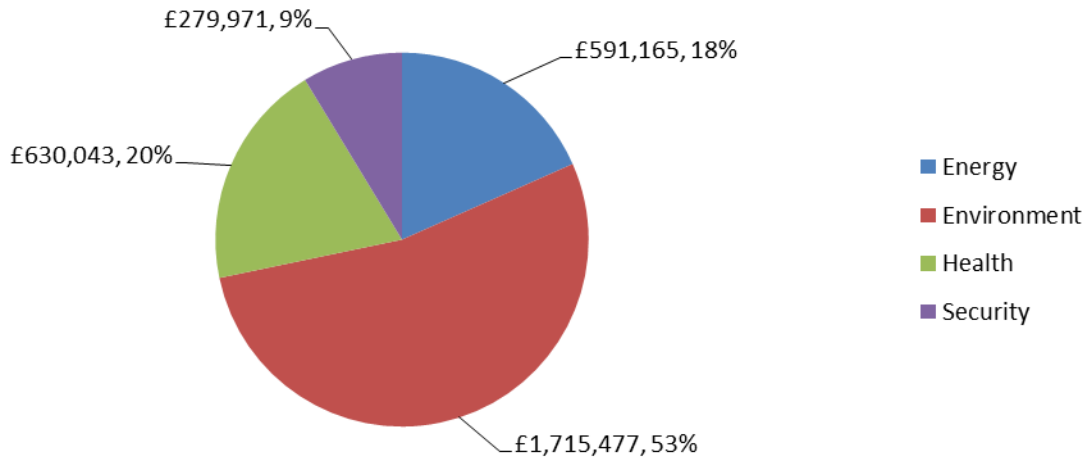
Katharine Hollinshead

CLASP Information Day, 20 May 2015

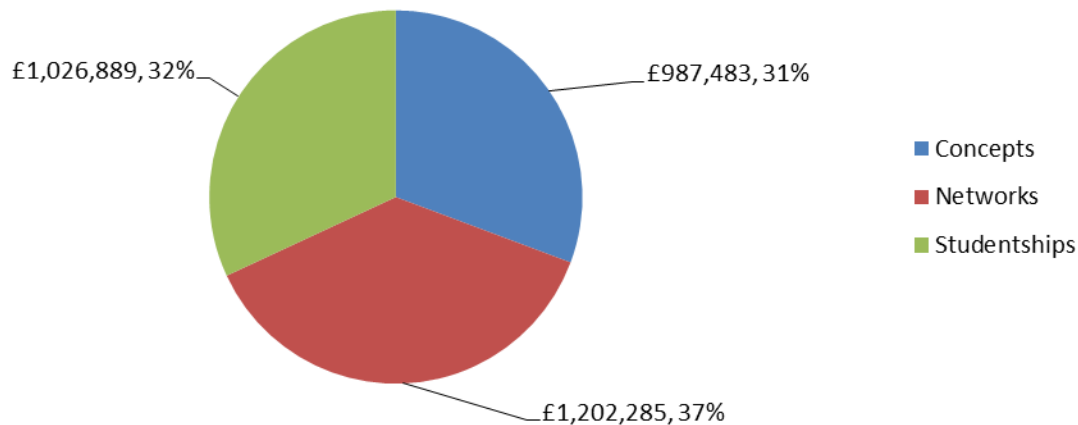
Harnessing STFC science to provide solutions to Global Challenges

www.stfc.ac.uk/globalchallenges

By Theme



By Scheme



- 1 round Networks
- 3 rounds Concepts
- 1 round Studentships
- 1 round Exploration Awards

Plus

- Boulby
- UKLEON: UK Lake Ecological Observatory Network,
- CAST: Coordinated Airborne Studies in the Tropics
- SPICE: Stratospheric Particle Injection for Climate Engineering
- Muon tomography for monitoring CCS
- Electrospun fibre projects



	Exploration and interdisciplinary community building	Research & early stage innovation	Consolidation	Commercialisation
Networks (Targeted or responsive)	Standard Network 2 – 3 years, up to £80k per year			
	Network+ 3 – 4 years, up to £300k per year			
		Extended Network + 1 – 2 years, up to £200k per year (existing Networks only)		
Responsive Awards	Exploration Awards Up to £20k			
		Global Challenge Concepts Up to 12 months & £50k		
			CLASP Timescale and resources necessary for the work	
RCUK Programmes	Global Challenge Partnerships Focus, funding and duration according to individual programmes			



Current

- Call for **Networks** – closing date 11 June 2015 - www.stfc.ac.uk/1461.aspx
- Rolling call for **Exploration Awards** – considered on a roughly quarterly basis - www.stfc.ac.uk/3384.aspx
- No immediate plans for “standalone” **Concepts** call
- No plans for “standalone” **Studentships** call
- **Partnerships**
 - EPSRC Nexus Sandpit
 - Potential – Global Food Security, Geoengineering, Anti-Microbial Resistance, Urban Living



RCUK Programmes

- Digital economy
- **Energy**
- **Global Food Security (GFS)**
- **Partnership for Conflict, Crime and Security Research (PaCCS)**
- **Living with environmental change (LWEC)**
- Lifelong health and wellbeing



RCUK Sub-groups

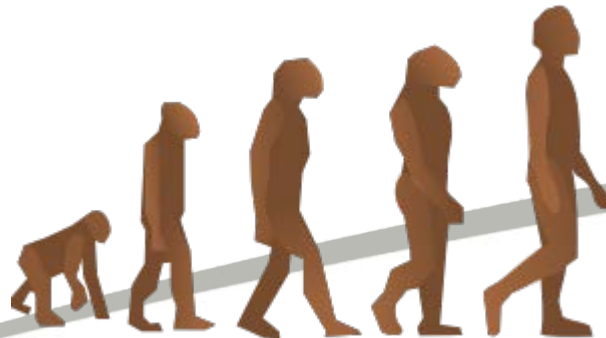
- Water-Energy-Food Nexus
- Geoengineering
- Risk Research
- Water
- Bioenergy



Future

- Global/Grand Challenges here to stay
- They are evolving – Emerging Technologies, Eight Great
- *Our Plan for Growth – science and innovation strategy*
- *Emerging technologies & industries strategy*

- But a lot of unknowns at the moment

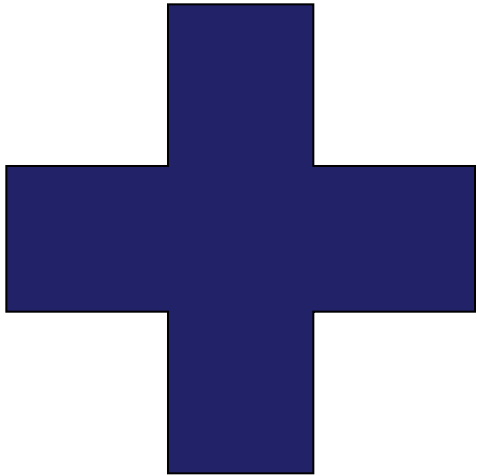


Current Networks

- Global Challenge Network in Batteries and Electrochemical Energy Devices
- Environmental Radioactivity Research Network - EnvRadNet
- Bioinformatics & Environmental 'Omics Network
- Global Challenge Network on Tropospheric Ozone
- SpacE weather REsearch Network - SEREN
- Geological Repository Network – GeoRepNet
- Advanced Radiotherapy
- Newton Agri-Tech in China



The Plus Element



Empowering the community to commission small pilot studies and projects to provide added value to the network concept by enabling testing of new ideas that arise from the Network and an incentive for people to participate in the Network



Global Challenge Networks

	Exploration and interdisciplinary community building	Research & early stage innovation	Consolidation
Networks (Targeted or responsive)	Standard Network 2 – 3 years, up to £80k per year Interdisciplinary activities at the STFC-Global Challenge interface e.g. workshops, short training courses, travel awards, case studies, fact sheets, position papers, market research		
	Network+ 3 – 4 years, up to £300k per year As for Standard Network plus funding for proof of concept projects, scoping studies, discipline hopping activities, studentships, sandpits		
		Extended Network + 1 – 2 years, up to £200k per year Targeted projects to maximise the impact of earlier Standard Network or Network+ activities	



- Further information:
 - Networks call <https://www.stfc.ac.uk/1461.aspx>
 - Exploration Awards <http://www.stfc.ac.uk/3384.aspx>

Questions?

