



Queen Mary
University of London

The
Alan Turing
Institute

Funding landscape

Adrian Bevan

Focusing on STFC opportunities, but a multidisciplinary team tackling a more general problem would also be able to target EPSRC.

Any mistakes or omissions are mine

- STFC Perspective
- Funding opportunities
- Summary

- The importance and value of data science is recognised by the STFC; and opportunities in the current financial landscape are limited.
- STFC strongly support data science through programme work (e.g. LHC, LSST, SKA analysts and sub-systems).
- Also strongly supports computing infrastructure through DIRAC, Grid, IRIS, etc. resource funding for the community.
- Doctoral Training Centres have been funded recently to target training data science specialists within our communities.
- The opportunities call for funding earlier this year resulted in a data science programme being funded: *Efficient Computing for High Energy Physics*

- Strong constraints from large programmes that underpin UK's investment in science through STFC - so no new money for data science.
- Future of CDTs - uncertain; no news on that front.
- Other opportunities exist including:
 - [21st Century Global Challenges](#)
 - [Knowledge exchange](#)
- Open call are listed on the STFC website at: <https://stfc.ukri.org/funding/research-grants/funding-opportunities/funding-calls/>

<https://stfc.ukri.org/funding/research-grants/funding-opportunities/global-challenge-schemes/>

- Scheme aims to ensure that STFC research can be harnessed to provide solutions for 21st Century Challenges in areas such as:
 - energy, environment, healthcare, security, food security, agritech, resilience and urbanisation.
- The Newton Fund provides another means to achieve this with specific partners: <http://www.newtonfund.ac.uk/funding/funding-opportunities/>.
- The Global Challenge Research Fund: <https://www.ukri.org/research/global-challenges-research-fund/> focuses on:
 - Sustainable development
 - Sustainable economies and societies
 - Human rights, good governance and social justice

<https://stfc.ukri.org/funding/stfc-knowledge-exchange/>

	IPS	Follow-on-funding	IPS Fellowships	CLASP	IAA
Brief	To use STFC funded research or technology to develop or enhance a new product or technique	To provide proof of concept funding to develop an idea which could lead to a commercial endpoint	To work alongside academics and encourage industry engagement with the university. Please note, this is <u>NOT</u> a research fellowship	Themed call to apply STFC funded research/technology to help address societal challenge areas	Encourages industry engagement and proof of concept funding managed via host institutions
Expected TRL Range	3-5	2-3		3-6	
Max duration	36 months	12 months	48 months	36 months	1 financial year
Max fEC per year	£150,000	£110,000	No max cost	No max cost	Variable
Industry support?	Essential	Not required	n/a	Advised	n/a
Extension available?	No	No	Yes	No	No

Some upcoming deadlines

Call	Proposal type	Je-S scheme	Proposals accepted from**	Closing date for receipt	Contact
PPRP Round 1 2020	Standard Proposal	PPRP	10 December 2019	28 January 2020	Chris Carlton
Quantum Technologies for Fundamental Physics Dec 19	Standard Proposal	Standard	30 September 2019	3 December 2019	Rachel Reynolds
STFC NARIT Newton Fund 2019	Standard Proposal	Official Development Assistance	1 October 2019	5 December 2019	Kam Vanninathan
CLASP Security/Environment 2020	Outline Proposal	CLASP Outlines	6 November 2019	8 January 2020	Ed Mansfield Helen Randell-Sly
CLASP Security/Environment 2020	Standard Proposal	CLASP	9 March 2020	20 May 2020	Ed Mansfield Helen Randell-Sly
KE Sept 2020	Standard Proposal Fellowship proposal	IPS Follow on Fund IPS Fellowship	3 June 2020	3 September 2020	Ed Mansfield Helen Randell-Sly
KE February 2020	Standard Proposal Fellowship proposal	IPS Follow on Fund IPS Fellowship	4 December 2019	20 February 2020	Ed Mansfield Helen Randell-Sly

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- Funding opportunities for data science do exist within the STFC portfolio of grants.
- As a community we have the opportunity to self-organise to target funding calls of interest.
- If we self-organise around a given generic problem, then where possible we can aim to develop a common technology solution for STFC science paying for it only once.
- Interdisciplinary development and application of technology could open up other (e.g. EPSRC) opportunities.
- We will come back to this issue at the end of tomorrow; to discuss our next steps.