

DRD Collaborations UK Steering Board & Coordinators Meeting

5th December 2023

- News
- CG Guidelines
- Our CG Submission Template
- Next Steps



STFC 2021 PARTICLE PHYSICS REVIEW OF
EXPERIMENTS AND EXPERIMENTAL CONSOLIDATED GRANTS

Guidelines for applicants
23 October 2021

CLOSING DATES: Experiment submissions – 2 February 2021 at 4pm
Grant proposals and Form X – 17 February 2021 at 4pm
(to include Capital Equipment requests)

Please read these guidelines carefully as the proposal format has changed.

DRD: 1-gas; 2-liquid;3-solid state;4-PID; 5-quantum; 6-calo; 7-elect/data;8-systems + training, industry

News

Towards forming DRD-8

Community meeting – December 6th

<https://indico.cern.ch/event/1344395/timetable/#20231206.detailed>

DRD-UK ½ day meeting

Afternoon of April 11th April 2024

following on directly from IOP conference

Thanks to Eva, Joost for agreeing to host.

CG Guidelines

- Dedicated section of CG guidelines for us

Part C: PPGP guidelines for bids to support the coordination of large-scale research and development (R&D) activities

This is a new opportunity to request funding to support the coordination of large-scale research and development activities. The purpose of this funding is to encourage strategic planning and to foster a sense of community among those involved in the R&D activity, beyond what can be reasonably expected through the CG funding provided to individual institutes.

CG Guidelines

- Dedicated section of CG guidelines for us

Part C: PPGP guidelines for bids to support the coordination of large-scale research and development (R&D) activities

Funding may be requested to support a number of activities, and might include:

- travel to support networking (that is in addition to what can reasonably be expected to be covered through the usual CG travel allocation)
- travel to support international leadership positions associated with the R&D activity
- support for engagement with international collaborators workshops
- training (that is not already covered through STFC training schemes)
- support for engagement with industrial partners

Consideration should also be given to how the R&D activity can support the wider UKRI agenda e.g., environmental sustainability and equality, diversity and inclusion.

- **Travel, training, industrial engagement, environmental sustainability**
[ideas on sustainability projects, funds not identified yet]
- Propose – funds to be administered through RAL.
- Fergus Wilson kind agreed to be budget holder

CG Guidelines

- Dedicated section of CG guidelines for us

Part C: PPGP guidelines for bids to support the coordination of large-scale research and development (R&D) activities

- Clarifications (STFC replies to queries):
 - The maximum pages we can allow is 10, and within that, 3 for the justification of resources.
 - The proposal is to support coordination activities and so that should be the focus.
 - Common fund is an interesting question, there would have to be a very strong case, as I wouldn't expect there to be a common contribution until activities were further developed
 - Consumables may be requested, but they would have to be beyond what can reasonably be expected to be covered in a group CG.
 - New posts can be requested by a group, but the R&D proposal itself cannot request posts.

CG Overleaf Template

- 10 pages

Drafted
(comments welcome) →

Before
Xmas break →

**M&O needs thought
after today's input** →

Done →

Discussing
today →

Contents

1 Introduction to DRD	2 pages
1.1 Organisation	.....
1.2 UK goals	.....
2 DRD collaborations overview & workplan	6 pages
2.1 DRD1: Gaseous Detectors	[0.5 pages]
2.2 DRD2: Liquid Detectors (neutrinos and dark matter)	[1 page]
2.3 DRD3: Semiconductor detectors	[1 page]
2.4 DRD4: Particle identification	[0.5 page]
2.5 DRD5: Quantum sensors and technology	[0.5 page]
2.6 DRD6: Calorimeters	[0.5 page]
2.7 DRD7: Electronics and data handling	[1 page]
2.8 DRD8: Challenges of large scale systems	[0.5 page]
2.9 Industrial engagement, infrastructure and training activities	[0.5 page]
3 M & O request and effort table	2 pages
4 Summary	[few lines]
A Coordination Roles	
A.1 DRD-UK steering board members	.....
A.2 DRD-UK Coordinators	.....
B DRD activity lists	
B.1 Task List for DRD1: Gaseous Detectors	.....
B.2 Task List for DRD2: Liquid Detectors (neutrinos and dark matter)	.....
B.3 Task List for DRD3: Semiconductor detectors	.....
B.4 Task List for DRD4: Particle identification	.....
B.5 Task List for DRD5: Quantum sensors and technology	.....
B.6 Task List for DRD6: Calorimeters	.....
B.7 Task List for DRD7: Electronics and data handling	.....
B.8 Task List for DRD8: Challenges of large scale systems	.....
B.9 Task List for Industrial engagement, infrastructure and training activities	.....
References	

Next actions: preparing CG submission

Reminder

- DRD coordinator Actions:
 - Respond to comments on task lists
 - Collaboration overview & workplan [before xmas break]
- Steering Board members Actions
 - Authorship_DRD.tex
(add all relevant staff and students in all groups, not only those with time on CG) [before xmas]
 - Complete effort table
 - Do we need more information (for ourselves – not doc.) ?
 - suitable deadline -January meeting ?
- Me
 - M&O request. Based on ideas from today
 - Summary

DRD-UK Collaboration

²⁰⁰ A. N. Other¹.
²⁰¹ C DaVia¹², J. Evans¹², C. Fitzpatrick¹², E. Gersabeck¹², M. Gersabeck¹², R. Guenette¹²,
²⁰² M. Lancaster¹², A. Oh¹², C. Parkes¹², D. Price¹², S. Söldner-Rembold¹², T. Ahmed¹²,
²⁰³ O. Augusto de Aguiar Francisco¹², A. Bitadze¹², S. Borghi¹², R. Chapple¹², A. Elvin¹²,
²⁰⁴ T. Evans¹², P. Guzowski¹², A. Keshavarzi¹², S. Kubecki¹², M. Langstaff¹², J. Masik¹²,
²⁰⁵ G. Miller¹², F. Munoz Sanchez¹², J. Pater¹², M. Perry¹², S. de Capua¹², L. Girardey¹² +
²⁰⁶ [students to be added]¹²
²⁰⁷ F. F. Wilson¹⁵, J. Dopke¹⁵, C. Shepherd-Themistocleous¹⁵, P. Majewski¹⁵, P.R. Scovell¹⁵,
²⁰⁸ M. van der Grinten¹⁵, A. Papanestis¹⁵, R. Middleton¹⁵, S. Easo¹⁵,
²⁰⁹ M. French¹⁶, M. Prydderch¹⁶, I. Sedgwick¹⁶,
²¹⁰ W.C. Griffith¹⁹, J. Hartnell¹⁹, F. Salvatore¹⁹,
²¹¹ S. Omebody².

Institute	DRD Collaboration								
	1	2	3	4	5	6	7	8	Other
Birmingham	—	—	X.Y	X.Y	—	X.Y	—	X.Y	X.Y
Bristol	—	—	X.Y	X.Y	—	X.Y	—	X.Y	X.Y
Brunel	—	—	X.Y	X.Y	—	X.Y	—	X.Y	X.Y
Cambridge	—	—	X.Y	X.Y	—	X.Y	—	X.Y	X.Y
Edinburgh	—	—	X.Y	X.Y	—	X.Y	—	X.Y	X.Y
Glasgow	—	—	X.Y	X.Y	—	X.Y	—	X.Y	X.Y
Imperial	—	—	X.Y	X.Y	—	X.Y	—	X.Y	X.Y
King's	—	—	X.Y	X.Y	—	X.Y	—	X.Y	X.Y
Lancaster	—	—	X.Y	X.Y	—	X.Y	—	X.Y	X.Y
Leicester	—	—	X.Y	X.Y	—	X.Y	—	X.Y	X.Y
Liverpool	—	—	X.Y	X.Y	—	X.Y	—	X.Y	X.Y
Manchester	—	—	X.Y	X.Y	—	X.Y	—	X.Y	X.Y
Oxford	—	—	X.Y	X.Y	—	X.Y	—	X.Y	X.Y
QMUL	—	—	X.Y	X.Y	—	X.Y	—	X.Y	X.Y
RAL PPD	—	—	X.Y	X.Y	—	X.Y	—	X.Y	X.Y
RAL TD	—	—	X.Y	X.Y	—	X.Y	—	X.Y	X.Y
RHUL	—	—	X.Y	X.Y	—	X.Y	—	X.Y	X.Y
Sheffield	—	—	X.Y	X.Y	—	X.Y	—	X.Y	X.Y
Sussex	—	—	X.Y	X.Y	—	X.Y	—	X.Y	X.Y
UCL	—	—	X.Y	X.Y	—	X.Y	—	X.Y	X.Y
Warwick	—	—	X.Y	X.Y	—	X.Y	—	X.Y	X.Y
Total	X.Y	X.Y	X.Y	X.Y	X.Y	X.Y	X.Y	X.Y	X.Y

Table 1: Effort expressed in FTE years dedicated to work in the DRD collaborations, as requested in the group CG submission or funded by other sources.

Next actions: project bids

- ½ page cases for early January meeting
- Discuss at meet
- Hold steering board vote to determine which to pursue as our first combined DRD-UK bids

Reminder

R&D scheme project ideas

- Project concepts for early January DRD meeting
½ page concept.

Expect many will follow from DRD CG activities list

– **Steering board decides at that meeting which to pursue initially**

- Would like more than five, given possibility of other funds
- Projects make use of CG personnel (outside funds)
- Each project will have own PI, with DRD-UK steering board acting as a project management oversight board

Summary

- CG guidance issued
- CG submission preparations advancing



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