Vision and Approach – template

*Please use this template to create your Vision and Approach document. All guidance text (in red) can be deleted from your final document. Once completed, please convert the document to PDF format.*

**Project Lead Name:**

**Institution:**

**Application title:**

**Application Reference Number:**

1 Application Overview – Vision and Approach

This section should provide an outline and overview of the application. This ‘Application Overview – Vision and Approach’ section should capture the high-level approach that links the multiple themes together. It is anticipated that specific details of the vision and approach within themes will be captured within the thematic sections below.

The application overview vision and approach section should not exceed **five pages**.

Details of individual scientific themes (and Support for Advanced LIGO operations) should be provided in separate sections below. Additional pages are allowed for each of the themes.

**Vision**

Explain how your proposed application:

* is of excellent quality and importance within or beyond the field(s) or area(s)
* has the potential to advance current understanding, generates new knowledge, thinking or discovery within or beyond the field or area
* is timely given current trends, context and needs
* impacts world-leading research, society, the economy or the environment

Within your answers you should explain how your proposal

* meets definition of STFC’s particle astrophysics gravitational waves remit (including LIGO collaboration).
* fits with STFC’s wider strategic science objectives and priorities, and responds to changes and future opportunities within the community
* articulates the rationale of the scientific themes and how they fit together as a coherent group.

[Applicant to add Vision text here]

**Approach**

Explain how you have designed your work so that it:

* is effective and appropriate to achieve your objectives
* is feasible, and comprehensively identifies any risks to delivery and how they will be managed
* if applicable, uses a clear and transparent methodology
* if applicable, summarises the previous work and describes how this will be built upon and progressed
* will maximise translation of outputs into outcomes and impacts
* describes how your, and if applicable your team’s, research environment (in terms of the place, and relevance to the project) will contribute to the success of the work

Your answers in this section should provide*;*

* a clear outline of the collaboration, governance and management arrangements that will be put in place to ensure the project meets its goals.
* a group overview report summarising the scientific progress of the group since the last review, and setting out proposals for the future programme. This should include a summary of the group’s activities, achievements and the strategy for the future programme.
* an indication of any future PPRP proposals expected to be submitted over the next grant period.
* Where applicable, any cross cutting support (administration, computing etc)

[applicant to add Approach text here]

**Scientific themes**

**Overview of theme resource requests**

|  |  |  |  |
| --- | --- | --- | --- |
| **Theme number** | **Theme title** | **Description** | **Total FTE requested** |
| 1 |  |  |  |
| 2 |  |  |  |
| 3 |  |  |  |
| 4 |  |  |  |
| 5 |  |  |  |
| 6 |  |  |  |
| 7 |  |  |  |
| 8 |  |  |  |
| 9 |  |  |  |
| 10 |  |  |  |
| 11 |  |  |  |
| 12 |  |  |  |

[add or delete rows as required]

**Core posts requested (all themes)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Theme** | **Staff name** | **RO** | **Grant Role** | **Academic/Core/Non-core/Support/** | **FTE requested** | **Duration** |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |

[Add or delete rows as required]

Equipment/capital requested (all themes)

|  |  |  |
| --- | --- | --- |
| **Theme** | **Equipment** | **Cost (£)** |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |

[Add or delete rows as required]

2 Theme 1: [applicant to add theme title]

The maximum page limit for each theme section is **two pages per FTE**. FTE is defined as per-head for an academic or fellow, and the actual proportion of time for a researcher (including PDRAs).

Theme vision and approach:

**Vision**

Explain how this theme:

* is of excellent quality and importance within or beyond the field(s) or area(s)
* has the potential to advance current understanding, generates new knowledge, thinking or discovery within or beyond the field or area
* is timely given current trends, context and needs
* impacts world-leading research, society, the economy or the environment

Within your answers you should explain how your proposal

* meets definition of STFC’s particle astrophysics gravitational waves remit (including LIGO collaboration).
* fits with STFC’s wider strategic science objectives and priorities, and responds to changes and future opportunities within the community

[applicant to add Vision text here]

**Approach**

Explain how you have designed this theme so that it:

* is effective and appropriate to achieve your objectives
* is feasible, and comprehensively identifies any risks to delivery and how they will be managed
* if applicable, uses a clear and transparent methodology
* if applicable, summarises the previous work and describes how this will be built upon and progressed
* will maximise translation of outputs into outcomes and impacts
* describes how your, and if applicable your team’s, research environment (in terms of the place, and relevance to the project) will contribute to the success of the work

Your answers in this section should provide:

* a clear outline of the collaboration, governance and management arrangements that will be put in place to ensure the project meets its goals.
* of any future PPRP proposals expected to be submitted over the next grant period.
* an explanation of the roles and responsibilities of all researchers and individuals contributing to this theme.

[Applicant to add Approach text here]

**Theme resource requests and justification**

Staff resource requested for this theme

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Staff name** | **Grant Role** | **Academic/Core/Non-core/Support/** | **FTE requested** | **Justification** | **Cost (£)** |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |

Non-staff resource requested for this theme (if applicable)

|  |  |  |
| --- | --- | --- |
| **Description** | **Category**  Consumables/equipment/capital/T&C | **Cost (£)** |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |

Facilities requested for this theme (if applicable)

|  |  |  |
| --- | --- | --- |
| **Facility name** | **Justification** | **Cost (£)** |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |

**Work plan**

[Applicant to add workplan here - if applicable]

**References/publications** (most recent/relevant)

[Applicant to add references/publications – maximum of ten (since April 2020)]

2 Theme 2: [applicant to add theme title]

[Copy and paste section above for each additional theme – if applicable]

2 Theme 3: [applicant to add theme title]

[Copy and paste section above for each additional theme – if applicable]

2 Theme 3: [applicant to add theme title]

[Copy and paste section above for each additional theme – if applicable]

2 Theme 4: [applicant to add theme title]

[Copy and paste section above for each additional theme – if applicable]

2 Theme 5: [applicant to add theme title]

[Copy and paste section above for each additional theme – if applicable]

3 Support for Advanced LIGO operations

The request for resources and justification should be made as per the instructions given above for all themes. The Advanced LIGO operations theme should contain:

* an overview of the facility used, the status of the detector, and a summary of the data taken
* highlights of the physics results with major UK involvement, and a description of the UK contributions, including a list of UK personnel in coordinating roles since 1 October 2021
* status of UK-funded items (hardware and software) and how these items are performing
* a summary of the support awarded in the previous operations round, and how this was spent
* an overview of the future programme of the detector, highlighting physics goals and future UK exploitation activities
* requirement to fulfil detector operation and maintenance obligations
* implications of future upgrades on the request for resources

An **additional 10 pages** may be used to cover the Advanced LIGO operations theme within your Vision and Approach document. The request for resources and justification should be made as per the instructions given above for all themes.

[Applicant to add text here]

END