**Appendix A**

**SUSTAIN Feasibility Study Call 2 Application Form** Summer 2022

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| **General Guidance:**  The Call is competitive, so application authors are therefore recommended to closely study the guidance within this Call Document and ensure that their proposal clearly addresses the aspects that will be assessed – See Section 12 of this document - Assessment Process.  Successful proposals will vigorously enact the objectives and intent of SUSTAIN. **This call for funding will place special emphasis on providing novel research ideas and collaboration with academics and industrialists not currently involved in steelmaking and its supply chains. This does not however prevent collaboration of steelmaking and supply chain research parties with the above.** Please discuss any questions with a member of the SUSTAIN team who can be contacted by emailing: [info.sustainsteel@swansea.ac.uk](mailto:info.sustainsteel@swansea.ac.uk)  **Submission Checklist:**   * Application form (Appendix A of SUSTAIN FS Call 2) * A summary CV of the proposed candidate(s) * A list of publications from the proposed candidate(s) * Letter of support from supporting universities / industrialists / organisations where applicable.   Partners included in the proposal must provide a letter of support for the applicant to submit with the proposal. Letters should be on headed paper, signed and dated and submitted with your application. | | | | | |
| **Project / Research Title:** | | | | **PROPOSAL No**  Leave this section blank. The team will insert a unique identifier number for your proposal*.* | |
| 1. **Candidate Name(s):**  |  |  |  |  | | --- | --- | --- | --- | | Name of candidate | E-mail | Status – PI or Co-PI | Institution / Organisation name | |  |  |  |  | |  |  |  |  | | | | | | |
| **2. Contact Details of Research Officer / Support to Lead PI involved in this proposal:**   |  |  |  | | --- | --- | --- | | Name | E-mail | Telephone | |  |  |  | | | | | | |
| **3. Host Institution(s):**   |  |  |  |  | | --- | --- | --- | --- | | Hosting institution name | Web address | Name of technical host | E-mail | |  |  |  |  | |  |  |  |  | | | | | | |
| **4. Partners (if applicable):**   |  |  |  |  | | --- | --- | --- | --- | | Institution | Institutional web pages | Name of point of contact | E-mail | |  |  |  |  | |  |  |  |  | | | | | | |
| **5. Grand Challenges:** Insert “M” for main theme and “S” for secondary theme(s | | | | | |
| Carbon Neutral Iron and Steelmaking |  | | Smart Steel Processing | |  |
| **FS Scope Challenges:** Insert “M” for main theme and “S” for secondary themes | | | | | |
| * **Waste Material Flows:** Novel application of plant wastes including CO2 and legacy materials (previous by-products) that exist on steel making sites. | |  | | | |
| * **Industrial Symbiosis:** Partnerships between steel production and other industries / sectors that result in resource efficiency\* | |  | | | |
| * **Energy:** Energy reduction in processes and the wider UK supply situation through all vectors including water. | |  | | | |
| * **Financial/Business Modelling for Green Steel:** Development ofunderstanding that assists decision making of the impact to industry and its supply chain when moving to green steel production. | |  | | | |
| * **Value Intensive Steel Design:** Today’s products are tomorrow’s scrap. Projects that consider design of steel intensive products that deliver sustainability benefits through their lifetime and are ready for the circular economy are welcome. | |  | | | |
| * Any novel **Decarbonisation and Recycling** projects that may produce a step change on the path to Net Zero. | |  | | | |
| * **Other** | |  | | | |
| **Industrial Sector(s) / Area of Relevance to Steel:** State main area of focus, e.g. steel making primary, supply chain, raw materials etc | | | | | |
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| **6. Proposed Start Date, Duration and Style of Working:**  Projects are expected to last no longer than 6 months (Full Time Equivalent) and start within 3 months of the award letter. In exceptional circumstances, provision for a later start may be considered. Please identify below if your research can be completed remotely and if you need to include laboratory research.   |  |  |  |  |  | | --- | --- | --- | --- | --- | | Start Date | Duration | Remote Working Only | Laboratory Working Only | Remote & Laboratory Working Combined | |  |  |  |  |  | | | | | | |
| **7. The Original Research:** State the original research principles from which your proposal is based. Original Research to be written within x1 A4 page plus additional page/s for references.  Ref 1:  Ref 2:  Ref 3:  Ref 4: | | | | | |
| **8. The Proposed Project**  The proposed project **must be within x4 A4 pages** in single-spaced typescript in Arial 11 or other sans serif typeface of equivalent size, with margins of at least 2cm. It is recommended that this section includes:   * Main technical aims * Proposed hosting arrangement * Key activities and outputs * Synergies of the partners and collaborators * IP if relevant to this proposal * Benefits arising from the research | | | | | |
| **9. Contribution to SUSTAIN Targets and KPI’s:**  State how this research will benefit the steel industry, contribute to net zero carbon emissions, increase supply chain efficiency & generate publications etc. Please state the KPI’s of your own project and show how they align with the overall KPIs of SUSTAIN. Please visit the [SUSTAIN website](https://www.sustainsteel.ac.uk/) for [KPI](https://static1.squarespace.com/static/5d4162e92d44520001ab45a4/t/5f8706d2756b454a0f3031b7/1602684629099/Scope+infomation+ECR+call+1+V1.pdf) information. | | | | | |
| **10. Resources Required:**  This section needs to show a clear understanding of the costs required for the project, including additional support from partners and third parties which may include pilot-scale demonstration and other potential funding received or required. Credit will be given for external funding or in-kind support e.g. from industry or other sources.  We recognise that proposals that have significant materials, laboratory or international travel costs are likely to need to identify funding contributions outside the SUSTAIN proof of concept funding to meet these needs. The SUSTAIN budget does not include these. Credit will be given for identifying external funding that complements the SUSTAIN funding.  The SUSTAIN funding will primarily cover staff time (including associated Indirect and Estate costs), with the remainder supporting consumables and travel. Funding for PhD students is not available. | | | | | |
| Please complete the table below, add additional rows if required and provide narrative where appropriate.   |  |  |  |  | | --- | --- | --- | --- | |  | 100% Full Economic Cost | 80% Full Economic Cost | Comments if required | | Staff Time |  |  |  | | Staff Time |  |  |  | | Travel & Subsistence |  |  |  | | Consumables |  |  |  | | Indirect Costs |  |  |  | | **TOTAL** |  |  |  |   Narrative if applicable: | | | | | |
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| **11. Tables**  The purpose of this section is to provide numerical information in a consistent form across all proposals in terms of project planning and delivery. |
| **11.1 Work Packages within your project**   |  |  |  |  |  | | --- | --- | --- | --- | --- | | **WP No** | **Work package name** | **Start month** | **End month** | **Output** | | WP 1 |  | e.g. Month 1 | e.g. Month 3 |  | | WP 2 |  |  |  |  | | WP 3 |  |  |  |  | | WP 4 | Add or delete rows as necessary. |  |  |  | |
| **11.2 Gantt chart showing top level duration and interaction of your proposal.** |
| **11.3 Key Performance Indicators (KPIs):** To be written by applicant in support of this proposal and to include papers, patents and industrial benefits as applicable. |
| **11.4 Grant Proposals: Include additional proposals that are related to or in support of the proposal given in this document.**   |  |  |  | | --- | --- | --- | | Grant proposals to: | Funding Already Awarded in support of this proposal (£K) | If applicable, possible Future Funding in support of this proposal - Pending Award Results (£K) | |  | Means how much you have already secured in successful additional proposals | Means how much you are forecast to secure if you are successful in any outstanding additional | |  |  |  | |  |  |  | |  |  |  | |

Completed forms must be submitted electronically in **PDF format** to: [info.sustainsteel@swansea.ac.uk](mailto:info.sustainsteel@swansea.ac.uk)

Proposals must be submitted by **Friday 29th July 2022, 16:00 hrs.**

We will acknowledge receipt of each proposal and assign a unique number. Queries should be sent to: [info.sustainsteel@swansea.ac.uk](mailto:info.sustainsteel@swansea.ac.uk)

**\*END\* SUSTAINFeasibilityCall2 V6 2022.06.06**