 

AMable Proposal Template for Best Practice Experiment in Open Call OC5

This template is for convenience only. For proposal requirements and eligibility, please consult the guide for applicants which is available at [www.amable.eu/calls](http://www.amable.eu/calls)

**Page limit**: The cover pages should not exceed 3 pages. The core proposal should not be longer than 10 pages. All tables, figures, references and any other element pertaining to these sections must be included as an integral part of these sections and are thus counted against the page limit. Any additional content may be truncated before evaluation.

Please erase this page and all instructions in the template and fill with your own data as appropriate. Names and values in this template and tables are only for explanatory purposes, please consult the guide for applicants.

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# Cover Pages



AMable Project’s Open Call 5 (AMable OC5) for AM & Logistics experiments

Call for proposals from SMEs on innovative product ideas and logistics that need Additive Manufacturing and support from the AMable Services Arena

Acronym of your proposal

Full title of your proposal

|  |  |
| --- | --- |
| AMable Experiment Team  Overview and Contact of Lead Partner | |
| **Experiment** |  |
| Acronym |  |
| Description |  |
| Duration (months) |  |
| **Lead Participant** |  |
| Lead Entity |  |
| Lead Contact Name |  |
| Lead Contact e-mail |  |
| Lead Contact phone |  |
| **Experimentation Team** |  |
| Supplier / Country |  |
| User / Country |  |

|  |  |
| --- | --- |
| AMable Experiment Team – supplier role | |
| Legal Name |  |
| Type of entity (SME/MC) |  |
| PIC number |  |
| VAT registration number |  |
| Business register number |  |
| Business register location |  |
| Country |  |
| Legal Address |  |
| Name of legal signatory |  |
| Type of Activity |  |
| Sector |  |
| First time European Project (y/n) |  |
| Previous expertise with AM (new / intermediate / expert) |  |
| IT competencies and infrastructure |  |
| Personnel that will conduct the experiment (short CV and references) |  |

|  |  |
| --- | --- |
| AMable Experiment Team – user role | |
| Legal Name |  |
| Type of entity (SME/MC/LE) |  |
| PIC number (optional) |  |
| VAT registration number |  |
| Business register number |  |
| Business register location |  |
| Country |  |
| Legal Address |  |
| Name of legal signatory |  |
| Type of Activity |  |
| Sector |  |
| First time European Project (y/n) |  |
| Previous expertise with AM (new / intermediate / expert) |  |
| IT competencies and infrastructure |  |
| Personnel that will conduct the experiment (short CV and references) |  |

# Product Idea

|  |
| --- |
| Description of the innovative product idea |
| Please describe your product idea.   * What is the innovation, what is the challenge, where can it be used, why does it need AM |

|  |
| --- |
| Description of the logistics challenge in manufacturing the product |
| Please describe the challenge that the production of the product faces.   * What is the specific challenge to the handling of data that is needed downstream in the production chain * What is the specific challenge to the handling of the product between processing steps in the production chain |

|  |
| --- |
| Applicants’ background and ambition relating to AM and logistics |
| Please describe your current position in relation to AM and how you plan for the future. What is your ambition, what is your roadmap with respect to AM and your overall business objectives.  Please describe your current position in logistics. What are your capabilities and what is missing that you expect from L4MS. |

# Results and their Impact

|  |  |  |
| --- | --- | --- |
| Sectors addressed by the innovative product idea | | |
| Health | y/n | Please indicated in a few words how it links to this sector |
| Aerospace | y/n | Please indicated in a few words how it links to this sector |
| Automotive | y/n | Please indicated in a few words how it links to this sector |
| Consumer Goods | y/n | Please indicated in a few words how it links to this sector |
| Electronics | y/n | Please indicated in a few words how it links to this sector |
| Energy | y/n | Please indicated in a few words how it links to this sector |
| Industrial Equipment and Tooling | y/n | Please indicated in a few words how it links to this sector |
| Construction | y/n | Please indicated in a few words how it links to this sector |

|  |
| --- |
| Initial business and communication plan |
| Please describe the business case behind the product idea and the requirements for entering the market.   * Which sales figures are expected * Which ramp up scenario do you envisage (time and finance) * How much employment will be created   Please describe your plan to drive the product into the market   * Communication channels * Development phases, * Milestone reports   Include a resource allocation plan (investments, goods, personnel, machines, digitalisation). Relate your revenue analysis to actual market figures. |

# Objectives and Approach of the Experiment

|  |
| --- |
| Challenges towards the implementation of the product idea |
| Please describe challenges that need to be solved to realise the product idea. Describe how your product idea links to the state of the art in AM and why your organisation needs support to realise your idea and to take up AM in the future. Please, define appropriate quantifiable criteria for your experiment objectives  Please describe the logistics challenge and the objectives that the solution should provide. Explain which components from L4MS are applicable to your case.  As appropriate, please cluster by   * Conceptualisation and creation (requirements) * Design and construction (AM restrictions, degrees of freedom) * Printing technology (suitable platforms, technical requirements) * Finishing and QA (final processing, customer requirements) * Skills gaps (training, expert consultation, outsourcing) * Business case (deployment, ramp-up scenario, financing) |

|  |
| --- |
| TRL change through the implementation of the product idea |
| Provide the current TRL[[1]](#footnote-1) and the TRL you intend to reach after the experiment.  (please, note that for BP application experiments the TRL range is expected to be between 4-8): |

# Experimentation plan

|  |
| --- |
| Ambition and development plan |
| Please describe how you want to approach the technological AM challenges   * Explain which services you select (indicate the amount of service you expect per selected service in person months) * Describe how the services complement your competencies * Provide a plan how do you want to interact with the AMable services (list and description included in the Annex of the Guide for Applicants) * Give a time line for your experiment grouped in initialisation, implementation and validation * Which resources do you allocate for   + Personnel   + Consumables   + Travel and subsistence   + External services (subcontracting) * What is your solution approach and how does it relate to the solution support from L4MS   (please provide a GANTT chart with monthly detail to display your interaction with services and time line) |

Please specify estimated direct cost that is eligible according to H2020 rules for Innovation Actions. The awarded funding will be calculated based on those figures. For details please consult the guide for applicants.

Please provide cost break down per party:

|  |  |  |
| --- | --- | --- |
| **Cost for Supplier** | **Amount** | **Cost / €** |
| **Personnel** |  |  |
| Manager | X PM | YY € |
| Engineer |  |  |
| Operator |  |  |
| **Consumables** |  |  |
|  |  |  |
|  |  |  |
| **Travel** |  |  |
| Work Meetings |  |  |
| Events |  |  |
| **Subcontracting** |  |  |
|  |  |  |

Please note that subcontracting of more than 15% of the total cost is considered to be an inefficient implementation of the experiment. You may provide reasons why more subcontracting is needed for the conduction of the experiment. In case you consider subcontracting, please justify here:

|  |  |  |
| --- | --- | --- |
| **Cost for User** | **Amount** | **Cost / €** |
| **Personnel** |  |  |
| Manager | X PM | YY € |
| Engineer |  |  |
| Operator |  |  |
| **Consumables** |  |  |
|  |  |  |
|  |  |  |
| **Travel** |  |  |
| Work Meetings |  |  |
| Events |  |  |
| **Subcontracting** |  |  |
|  |  |  |

Please note that subcontracting with more than 15% of the total cost is considered to be an inefficient implementation of the experiment. In case you consider subcontracting, please justify here:

# Relevance to European economy

Please describe your experiment and product idea in relation to the European economy

|  |
| --- |
| Description of the European impact and cross border innovation |
| * does the experiment need collaboration at European level? * does a successful experiment address the European economy and its challenges (see also table on global challenges)? |

|  |  |
| --- | --- |
| Relation to global challenges | |
| Environment | Please indicate in a few words how it impacts the challenge |
| Energy | Please indicate in a few words how it impacts the challenge |
| Mobility | Please indicate in a few words how it impacts the challenge |
| Health and Well-being | Please indicate in a few words how it impacts the challenge |
| Security | Please indicate in a few words how it impacts the challenge |

# Signatures

We herein confirm that we will have the economic and technological capability to conduct the experiment as described in this proposal.

Applicant 1

I herein confirm that I do not have any economic, social or political conflict of interest wit AMable project partners which are listed on the web site (www.amable.eu).

Name of Signatory \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Signature + Stamp \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Place, Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Applicant 2

I herein confirm that I do not have any economic, social or political conflict of interest wit AMable project partners which are listed on the web site (www.amable.eu).

Name of Signatory \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Signature + Stamp \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Place, Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. http://ec.europa.eu/research/participants/data/ref/h2020/other/wp/2018-2020/annexes/h2020-wp1820-annex-g-trl\_en.pdf [↑](#footnote-ref-1)