H2020-ICT-2018-20/H2020-ICT-2019-2

Pilot-line providing highly advanced & robust manufacturing technology for optical free-form µ-structures

PHABULOµS

Starting date of the project: 01/01/2020
Duration: 48 months

= Evaluation criteria =

PHABULOuS OPEN CALL EVALUTION CRITERIA

The application will be evaluated following three main criteria as described below.
Experts score each award criterion on a scale from 0 to 5 (half point scores may be given):
0 – Application fails to address the criterion or cannot be assessed due to missing or incomplete information.
1 – Poor. The criterion is inadequately addressed or there are serious inherent weaknesses.
2 – Fair. The application broadly addresses the criterion, but there are significant weaknesses.
3 – Good. The application addresses the criterion well, but a number of shortcomings are present.
4 – Very good. The application addresses the criterion very well, but a small number of shortcomings are present.
5 – Excellent. The application successfully addresses all relevant aspects of the criterion. Any shortcomings are minor.

The threshold for individual criteria is 3 (out of 5) and the overall threshold is 10 (out of 15). In order to be considered for support, the application must score above both individual and overall thresholds.

1. **Excellence: technical and business challenges**

The following items will be evaluated in order to score these criteria:

- **Challenges to be overcome**: Provide a description of the problem to overcome (including some quantifications). Please describe the business need for your proposed solution and the associated market including some quantifications (market size, growth strategy, potential access to investors, etc.).
- **Description of the proposed solution**: Provide a detailed description of the final prototype part/demonstrator to be developed in collaboration with PHABULOuS (including a description of the functionalities, size, etc.). Explain how it will solve the challenges described above.
- **Description of current State-of-the-art:** Describe how your final prototype part/demonstrator goes beyond the state of the art. Do you have background knowledge including Intellectual Property Rights related to this final prototype part/demonstrator? Have you validated the Freedom-To-Operate (i.e. there is no external IP that would limit the scope of the Pilot case)?
- **Alignment with the services provided by the PHABULOuS**: How do the PHABULOUS services help you solve the challenge described?
- **Regulation, standardization and certification issues**: Will the final prototype part/demonstrator be subjected to any policies and/or regulatory requirements? Do you expect the need for standardization or certification?

2. **Impact**

The following items will be evaluated in order to score these criteria:

- **Market opportunity**: Please describe how your innovation provides a competitive advantage with respect to competitors. Can it be sustained (e.g. through protecting technology)?
- **Go-to-market strategy**: Please provide a detailed description of how the target market(s) will be penetrated including the necessary tools, resources and timeframe. Are channels to reach the market(s) identified?
- **Key exploitable results**: What are the expected impacts (in particular, in terms of Return On Investment and economic value creation)?
- **Other expected impacts**: Please provide a detailed description of any societal, environmental and economic impacts outside your company/organisation itself that can be expected.

3. **Implementation**

The following items will be evaluated in order to score these criteria:

- **Work plan description**: Please provide a detailed description of the proposed work plan (key inputs, deliverables and time schedule).
- **Resources to be committed**: Please provide a detailed description of the internal resources you will allocate to the project (including the number of hours and a description of the associated skills). Will cooperation with other links in the supply chain be required?
- **TRL level**: Please describe the TRL positioning of your proposed solution and the change from current state (e.g. from a laboratory verified component – TRL4 – to demonstration in relevant environment – TRL6).
- **Risk management**: Please provide a detailed description of the technological, business and managerial risks together with a mitigation strategy.

Please note that apart from the evaluation of each proposal individually, there will also be a portfolio assessment made by the Evaluation panel. This assessment will consider the balance in usage of different services offered by PHABULOuS and the capacities of its pilot lines, which may alter the final ranking of the applications. The purpose of the Open Call is to test the functioning of the PHABULOuS services, therefore a combination of Pilot cases that suit this purpose best will be selected.