This questionnaire is to be filled in by the project **only** if your Project Officer has asked you to do so. The European Commission will not make public any data entered in this form.

**DG CONNECT Innovation Questionnaire**

**Note:** the first 16 questions below are to be answered for **each** innovation the project develops (up to a maximum of 3 innovations).

**1) Describe the innovation (in less than 300 characters, spaces included):**

The innovation is a novel type of outcoupling grating, which can be used to couple the light from a photonic wire waveguide to an optical fibre. It uses a metal grating instead of the conventional dielectric grating structures. Major advantages are: a high efficiency (theoretically up to 89% when including apodization) by diffracting the light into a single direction, and a better tolerance, because the performance is no longer dependent on the underlying layer structure.

**2) Is the innovation developed within the project…:**

|  |
| --- |
| a) Under development  |
| b) Already developed but not yet being exploited  |
| c) being exploited  |
|  |

**3) Characterise the type of innovation** (only to be answered if 2b or 2c is selected)

























**4) If other, please specify: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**5) Characterise the macro type of innovation** (only to be answered if "under development" is selected for Q2):















**6. Will the innovation be introduced to the market or deployed within a partner:**

|  |
| --- |
| (a) Introduced new to the market (commercial exploitation)  |
| (b) Deployed within a partner (internal exploitation: Changes in organisation, new internal processes implemented, etc.)  |
| (c) No exploitation planned  |

**7. If no exploitation planned, please explain why no exploitation is planned** (answer only if 6(c) is selected)

**8. Is there a clear owner of the innovation in the consortium or multiple owners?**





**9. Indicate who is the "owner" of the innovation:**

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**10. Indicate the step(s) already done (or are foreseen) in the project in order to bring the innovation to (or closer to) the market** (answer only if 6(a) is selected)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Done | Planned in project | Not Planned | Desirable |
| 1. Technology transfer |  |  |  |  |
| 2. Engagement by Industrial research team of one of their company's business units in project activities |  |  |  |  |
| 3. Pilot |  |  |  |  |
| 4. Capital investment (VC, Angel, other) |  |  |  |  |
| 5. Investment from public authority (national, regional) |  |  |  |  |
| 6. Business plan |  |  |  |  |
| 7. Prototyping |  |  |  |  |
| 8. Market study |  |  |  |  |
| 9. Demonstration or Testing activities |  |  |  |  |
| 10. Feasibility study |  |  |  |  |
| 11. Launch a start-up or spin-off |  |  |  |  |
| 12. Other |  |  |  |  |

**11. If other, please specify**

**12. Indicate which participant(s) (up to a maximum of 3) is/are the key organisation(s) in the project delivering this innovation. For each of these identify under the next question their needs to fulfil their market potential.**

Org1:TUe

**13. Indicate their needs to fulfil their market potential**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Investor readiness training | Investor introductions | Biz plan development | Expanding to more markets | Legal advice (IPR or other) | Mentoring | Partnership with other company (technology or other) | Incubation | Startup accelerator |
| Org 1 |   |   |   |   |   |   |   |   |   |
| Org 2 |   |   |   |   |   |   |   |   |   |
| Org 3 |   |   |   |   |   |   |   |   |   |

**14. When do you expect that such innovation could be commercialised?** (answer only if 6(a) is selected)











**15. Have any of the project partners…**

(only to be answered if "Done" or "Planned in Project" is chosen for 10.5 "Investment from public authority")







**16. Which partners are in discussion with investors (or are planning such discussions)?**

(the above questions are to be answered for **each** innovation developed by the project, up to a maximum of 3 innovations)

**General Questions**

(questions below are to be answered once in the project review, not for each innovation)

 **1. How does the consortium engage end-users?**

|  |
| --- |
| End user organisation in the consortium  |
| An end user organisation outside of the consortium is consulted  |
| No end user organisation in the consortium or consulted  |

**2. Are there in the consortium internal IPR issues that could compromise the ability of a project partner to exploit new products/solutions/services, internally or in the market place ?**

|  |
| --- |
| yes  |
| No  |

**4. Which are the external bottlenecks that compromise the ability of project partners to exploit new products, solutions or services, internally or in the market place?**

|  |  |
| --- | --- |
| IPR  | Standards  |
| Regulation  | Financing  |
| Workforce's skills  | Trade issues (between MS, globally)  |
| Others (technology readiness, process maturity) |   |

**5. Indicate how many patents have been applied for by the project: \_1\_\_\_\_\_\_\_\_**