

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 eBADGE simulator is a balancing market tool able to simulate the operation of the balancing market; it simulates the present situation, an Intermediate Model (in which only some bids/offers are shared) and the Target Model: it calculates the accepted (upward or downward) bids on the basis of the merit order taking into account network constraints between the modelled zones. It represents an innovation because it allows an analysis of possible benefits deriving from a transnational managing of balancing markets and has a procedure that calculates the cost or savings for each TSO involved in the pool.

#### 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)

- Significantly improved product
- Significantly improved service (except consulting ones)
- Significantly improved process
- Significantly improved marketing method
- Significantly improved organisational method
- Consulting services
- New product
- New service (except consulting ones)

- New process
- New marketing method
- New organisational method
- Other

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

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

- Product
- Organisational method
- Service (non-consulting)
- Marketing method
- Process
- Consulting service
- Do not know yet

**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)

The simulator will be further used for studies on balancing and in that sense will constitute an internal resource of the partner that has developed it.  
Furthermore, it has been put available on the web and everybody can use the simulator.  
However, no commercial exploitation is foreseen.

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

- A clear owner
- Multiple owners

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

RSE S.p.A.

**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	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Engagement by Industrial research team of one of their company's business units in project activities	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Pilot	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. Capital investment (VC, Angel, other)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. Investment from public authority (national, regional)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. Business plan	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. Prototyping	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8. Market study	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9. Demonstration or Testing activities	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10. Feasibility study	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11. Launch a start-up or spin-off	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12. Other	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**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: RSE S.p.A.  
 Org2: APG  
 Org 3: ELES

**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	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Org 2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Org 3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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

- Less than one year
- Between 1 and 3 years
- Between 3 and 5 years

More than 5 years

Do not know

**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")

already applied for support from private investors?

already applied for investment from public authorities?

been planning to start discussions with private and public investors?

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

None

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

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

Splitting the roles of energy data collection, communication through message bus, data management, and user applications will allow new services by existing grid market stakeholders and new entrants, thus levelling existing vertically integrated closed systems in both IoT and energy domains.

**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)

- Significantly improved product
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- Significantly improved process
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**4) If other, please specify:** \_\_\_\_\_

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

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

- A clear owner
- Multiple owners

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

XLAB, TS, EU DT, CG

**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
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12. Other	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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Org2: TS  
Org 3:

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Org 2	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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(only to be answered if "Done" or "Planned in Project" is chosen for 10.5 "Investment from public authority")

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- already applied for investment from public authorities?
- been planning to start discussions with private and public investors?

**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?**

- |                                                        |                                                              |
|--------------------------------------------------------|--------------------------------------------------------------|
| <input checked="" type="checkbox"/> IPR                | <input type="checkbox"/> Standards                           |
| <input checked="" type="checkbox"/> Regulation         | <input type="checkbox"/> Financing                           |
| <input checked="" type="checkbox"/> Workforce's skills | <input type="checkbox"/> Trade issues (between MS, globally) |
| <input checked="" type="checkbox"/> Others             |                                                              |

**5. Indicate how many patents have been applied for by the project: 0**