

ERA-NET ICT-AGRI

Coordination of European research within information and communication technology (ICT) and robotics in agriculture and related environmental Issues

ICT-AGRI-2

Grant agreement no 618123



## Online questionnaires for project applicants, platform users, ICT-AGRI-2 partners and monitoring tools

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# 1. Introduction

In the frame of work package 5 ‘Impact assessment and evaluation of ERA-NET effectiveness’ an evaluation impact model has been developed. This model forms the theoretical basis for setting up a questionnaire to collect data which is appropriate to rate the impacts and achievements as well as the effectiveness of the ICT-AGRI funded research projects and of the funding initiative itself.

Such a questionnaire has been compiled and will be shown hereafter (chapter 3). In accordance with the model (Figure 1), it comprises different parts: the call process and the stages inputs, outputs, outcomes and impacts.

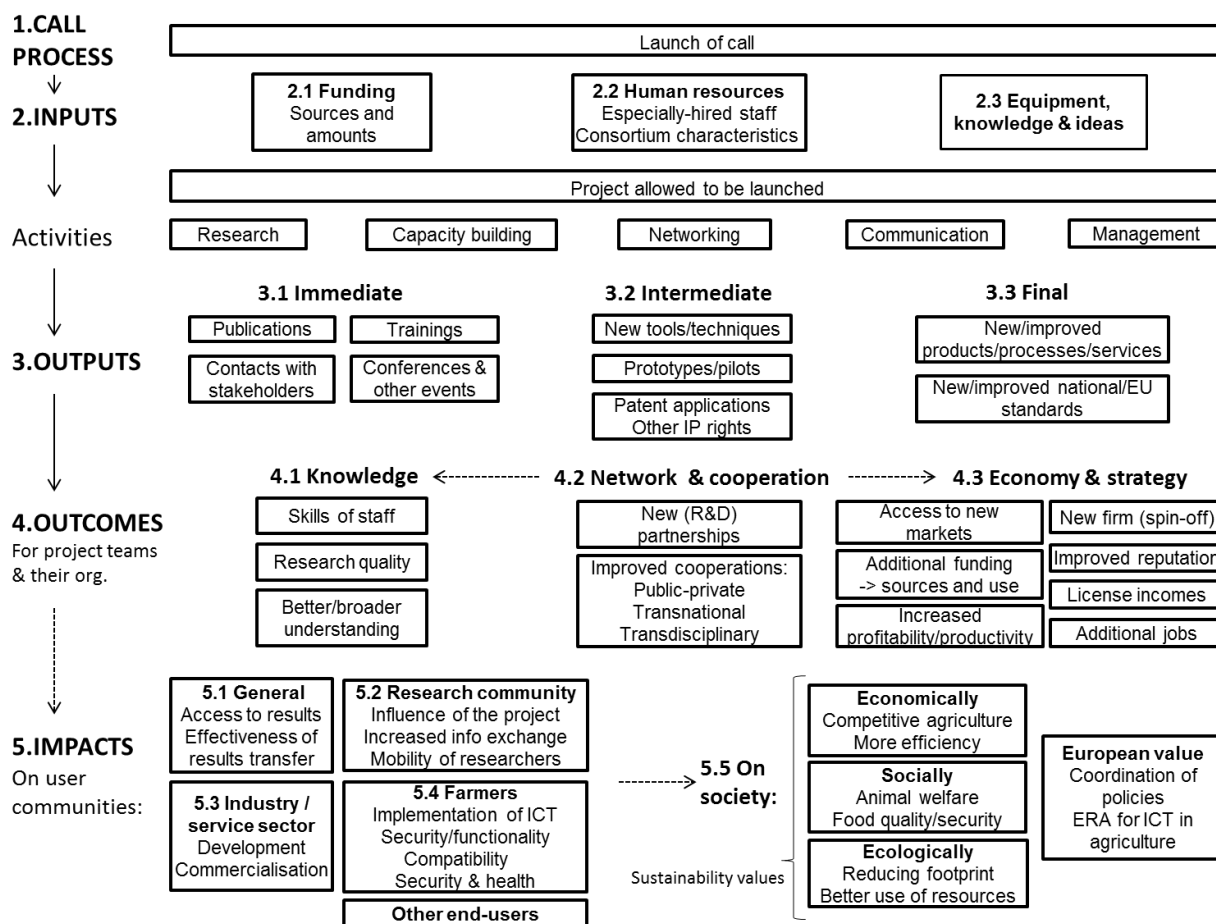


Figure 1: Impact Model Scheme

# 2. Implementation

The questionnaire has been implemented on the ICT-AGRI website (<http://ict-agri.eu/>). A link to the questionnaire forms was sent out on the 30. September 2015 to all the partners of ICT- AGRI projects, also to those, whose project applications had been rejected. The applicants of all calls launched so far, namely of call 2010 (ICT and Automation), 2012 (Green Agriculture), the combined SmartAgriFood call 2014 and the most recent call 2015 (Enabling Precision Farming), were addressed. The link was sent together with the following message:

Good afternoon xy,

The ICT-AGRI ERA-NET is collecting information from the project consortia that applied for ICT-AGRI funding. This information will be used to improve the functioning of ICT-AGRI, to improve its' call process and to estimate its' impact. We would like you to participate, because you also submitted a proposal applying for ICT-AGRI funding.

Please click the following [link](#) to start evaluating. The link will take you to a login page. You will be redirected to the questionnaire when you have logged in. If you have forgotten your username / password, please use the "Request new password" link on the same page.

Please fill in the questionnaire before **November 1st 2015**.

ICT-AGRI is displaying information about funded projects. If your project is funded, you have the possibility to add to this information. To do so, please use the Project menu on the left side of the questionnaire.

If anything is unclear, please contact [bert.beck@ilvo.vlaanderen.be](mailto:bert.beck@ilvo.vlaanderen.be), [katrien.broekaert@ilvo.vlaanderen.be](mailto:katrien.broekaert@ilvo.vlaanderen.be) or [juliana.zweifel@blw.admin.ch](mailto:juliana.zweifel@blw.admin.ch).

Kind regards,

The ICT-AGRI team

In the online questionnaire the questions on outcomes and impacts were merged together into one webform. Thus, the online evaluation questionnaire consisted of four parts. 1: Call process evaluation, 2: Input evaluation, 3: Output evaluation, 4: Outcome+impact evaluation. This division of the questionnaire into the mentioned four parts allowed to already collect information of all projects, independent of the call they originated from, meaning independent of the advancement in research activity. The combination of outcome and impact questions made sense, because both stages can only be evaluated some time after the projects have been finalised. In relation to the status of the ICT project (rejected, not started yet, running or finished) the respondent had access to 1, 2, 3 or all 4 parts of the evaluation in the menu called "Project evaluation". The respondent was asked to fill in all parts visible to him.

### 3. Online Questionnaire

Dear respondent,

This questionnaire aims to collect information from the project consortia that applied for ICT-AGRI funding. The information will be used to improve the working of the ERA-NET and to estimate its' impact.

The evaluation consists of four parts. Depending on the status of your project (rejected, not started yet, running or finished) you will see 1, 2, 3 or all 4 parts of the evaluation in the menu "Project evaluation" on the left. Please fill in all parts visible to you. (For your information, these are the four parts: 1: Call process evaluation, 2: Input evaluation, 3: Output evaluation, 4: Outcome+impact evaluation.)

Each part takes about 10 minutes to complete. Keep in mind that all questions marked with a red asterisk are compulsory.

If anything is unclear, please contact [bert.beck@ilvo.vlaanderen.be](mailto:bert.beck@ilvo.vlaanderen.be), [katrien.broekaert@ilvo.vlaanderen.be](mailto:katrien.broekaert@ilvo.vlaanderen.be) or [juliana.zweifel@blw.admin.ch](mailto:juliana.zweifel@blw.admin.ch).

Kind regards,

The ICT-AGRI team

## General questions

Please enter your name: \*

Please enter your country/region: \*

Please enter the name of your organisation: \*

Please select the type of organisation you represent: \*

- University
- Public research centre
- Private research centre
- Company
- Other

Project ID \*

Project name \*

Are you the coordinator of the project consortium? \*

- Yes
- No

Do you have earlier experience in transnational cooperative research projects? \*

- Yes
- No

Is this your first participation in an ERA-NET project? \*

- Yes
- No

### 3.1. Call process

This part of the questionnaire asks about your opinion on the call process. We will use this info to improve our procedures.

Call id \*

Call name \*

How did you learn about the ICT-AGRI call? \*

- ICT-AGRI website (Meta Knowledge Base)
- Netwatch website
- National website
- ICT-AGRI newsletter
- Other

How do you judge the quality of the ICT-AGRI call announcements? \*

- 0=Not applicable

- 1=Very bad
- 2=Bad
- 3=Moderate
- 4=Good
- 5=Very good

How do you judge the quality of the guidelines for applicants for PRE-proposals for the ICT-AGRI calls? \*

- 0=Not applicable
- 1=Very bad
- 2=Bad
- 3=Moderate
- 4=Good
- 5=Very good

How do you judge the quality of the guidelines for applicants for FULL proposals for the ICT-AGRI calls? \*

- 0=Not applicable
- 1=Very bad
- 2=Bad
- 3=Moderate
- 4=Good
- 5=Very good

According to your experience, how effective was the call process for defining proper themes to launch your project? \*

- 0=Not applicable
- 1=Very ineffective
- 2=Slightly ineffective
- 3=Moderately effective
- 4=Effective
- 5=Very effective

According to your experience, how effective was the call process for allowing to build your consortium? \*

- 0=Not applicable
- 1=Very ineffective
- 2=Slightly ineffective
- 3=Moderately effective
- 4=Effective
- 5=Very effective

How do you judge the ICT-AGRI call procedure for clarity and transparency? \*

- 0=Not applicable
- 1=Very bad

- 2=Bad
- 3=Moderate
- 4=Good
- 5=Very good

How do you judge the given period of time for the preparation of the pre-proposal? \*

- 0=Not applicable
- 1=Much too short
- 2=Too short
- 3=Just right
- 4=Too long
- 5=Much too long

How do you judge the given period of time for the preparation of the full proposal? \*

- 0=Not applicable
- 1=Much too short
- 2=Too short
- 3=Just right
- 4=Too long
- 5=Much too long

How do you judge the drafting and negotiation of the contract with your national authority? \*

- 0=Not applicable
- 1=Very bad
- 2=Bad
- 3=Moderate
- 4=Good
- 5=Very good

How do you judge the drafting and negotiation of the consortium agreement? \*

- 0=Not applicable
- 1=Very bad
- 2=Bad
- 3=Moderate
- 4=Good
- 5=Very good

How do you judge the benefits of your participation in ICT-AGRI compared to the overall effort and expenses (administration, application, time etc.)? \*

- 0=Not applicable
- 1=Very bad
- 2=Bad
- 3=Moderate

- 4=Good
- 5=Very good

If you have any suggestions to improve the call process, please write them down here:

### 3.2. Inputs

This part of the questionnaire contains questions about the funding, human resources and knowledge used in your project.

#### *Funding*

To finance **your (institution's)** part of the project, what amount (in euros) was funded by ICT-AGRI? \* €

All requested amounts should expressed as thousands of euros. E.g.: 1.357.900 euro should be written as € 1357.9 in the answer box. Some numbers will already be filled in by the system.

other external public funds? \* €

external private funds? \* €

your own funds? \* €

Which part of **your (institution's)** budget was used for:

salary? \* €

All requested amounts should expressed as thousands of euros. E.g.: 1.357.900 euro should be written as € 1357.9 in the answer box.

equipment? \* €

travelling/meetings? \* €

other expenditures? \* €

If your part of the project had not received ICT-AGRI funding, would you have undertaken it anyway? \*

- Yes
- No

If yes, how large would your budget have been compared to the ICT-AGRI funding?

- Equally large
- Smaller
- Larger

If yes, how would your part of the project have been funded?

- With own funds
- With external (public or private) funds
- With both own and external funds

#### *Human resources*

How did you find your consortium partners? \*

- ICT-Agri website (MKB)
- via another internet platform
- via a research partner
- via another contact



How effective do you consider the MKB in enabling networking? \*

- 0=Not applicable
- 1=Very ineffective
- 2=Slightly ineffective
- 3=Moderately effective
- 4=Effective
- 5=Very effective

How effective do you consider the MKB to introduce yourself to the research community? \*

- 0=Not applicable
- 1=Very ineffective
- 2=Slightly ineffective
- 3=Moderately effective
- 4=Effective
- 5=Very effective

To what extent do you agree with the following statements:  
Public-Private cooperation corresponded to your expectations \*

- 0=Not applicable
- 1=Totally disagree
- 2=Disagree
- 3=Neither agree nor disagree
- 4=Agree
- 5=Totally agree

The consortium composition corresponded to your expectations \*

- 0=Not applicable
- 1=Totally disagree
- 2=Disagree
- 3=Neither agree nor disagree
- 4=Agree
- 5=Totally agree

Most of the consortium partners were new to you \*

- 0=Not applicable
- 1=Totally disagree
- 2=Disagree
- 3=Neither agree nor disagree
- 4=Agree
- 5=Totally agree

How many people were in your partner team? (Only include people that were paid by ICT-AGRI funds.) \*  
How many employees of the following positions did you hire especially for your part of the project:

- Researchers with PhD more than 3 years / experienced scientists \*
- Researchers PhD post-docs / young scientists \*
- PhD students \*
- Master students \*
- Support or technical staff \*
- Other \*

What disciplines were represented in your partner team (i.e. the team within your institution)? \*

- ICT
- Robotics
- Sensor technology
- Electronics
- Modelling
- Agronomy
- Animal physiology
- Grassland management
- Other (please specify below)

If you selected "other", please specify:

If your part of the project would have been undertaken without ICT-AGRI funding, would you have had:  
Fewer partners

- Yes
- No

Less European partners

- Yes
- No

Less partners from other disciplines

- Yes
- No

Less private-public exchanges

- Yes
- No

***Equipment, knowledge and ideas***

Was your part of the project based upon work conducted in an earlier project? \*

- Yes
- No

In gathering the necessary ideas for your part of the project, how valuable was the consortium to you? \*

- 0=Not applicable
- 1=Very unvaluable
- 2=Rather unvaluable
- 3=Moderately valuable
- 4=Rather valuable
- 5=Very valuable

Do you agree with the following statements:

End users / farmers were involved in the design of your project part \*

- Yes
- No

Other stakeholders were involved in the design of your project part \*

- Yes
- No

If yes, which ones?

### 3.3. Outputs - direct results of the activities undertaken in the project

This part of the questionnaire contains questions about the direct results (e.g. publications, prototypes, ...) of the funded project.

*Immediate outputs of the consortium partner team*

*Category: Publications*

Project ID \*

Project name \*

What is the number of published scientific papers in peer-reviewed journals, proceedings and books, with you or team members within your institution as contact person: \*

Number of non-peer-reviewed scientific publications \*

Number of non-scientific publications \*

Number of press releases, interviews and TV appearances \*

Of all aforementioned publications, how many are available in Open Access databases? \*

Of all aforementioned publications, how many are available in Thomson Reuters Web of Science? \*

Of all aforementioned publications, how many are available in SCOPUS? \*

---

How do you rate the performance of your project in the area of publications \*

- Not applicable
- Not meeting expectations
- Below expectations
- Meeting expectations
- Above expectations
- Far above expectations

---

If you chose "Not meeting expectations" or "Below expectations", please explain why:

**Category: Public events**

Please give the:

Number of public scientific events which you or your team members within your institution attended: \*

Number of non-scientific events with which you or your team members within your institution attended: \*

Of all aforementioned events, what was the number of attendees? Please give an approximation of the average number per event. \*

On how many occasions were you on the organizing committee in all aforementioned events? \*

---

How do you rate the performance of your project in the area of publications \*

- Not applicable
  - Not meeting expectations
  - Below expectations
  - Meeting expectations
  - Above expectations
  - Far above expectations
- 

If you chose "Not meeting expectations" or "Below expectations", please explain why:



**Category: Contact with stakeholders**

Please give the number of meetings which you or your team members attended with the following stakeholder groups:

Service providers \*

Industry, SME \*

SME= Small to medium sized enterprise

Advisors \*

Others \*

---

How do you rate the performance of your project in the area of contacts with stakeholders? \*

- Not applicable
  - Not meeting expectations
  - Below expectations
  - Meeting expectations
  - Above expectations
  - Far above expectations
-

If you chose "Not meeting expectations" or "Below expectations", please explain why:



**Category: Training conducted**

How many training sessions did you or your team within your institution conduct? \*

---

What was the total number of attendees of all training sessions you or your team conducted? \*

---

How do you rate the performance of your project in the area of training? \*

- Not applicable
  - Not meeting expectations
  - Below expectations
  - Meeting expectations
  - Above expectations
  - Far above expectations
- 

If you chose "Not meeting expectations" or "Below expectations", please explain why:



**Intermediate results of the consortium (to be answered only by the coordinator)**

**Category: New methods, tools and techniques**

Regarding the outputs of the whole consortium, please indicate total number of:

- New methods
  - Techniques proposed
  - Tools developed
- 

How do you rate the performance of your project when it comes to new methods, tools and techniques?

- Not applicable
  - Not meeting expectations
  - Below expectations
  - Meeting expectations
  - Above expectations
  - Far above expectations
-

If you chose "Not meeting expectations" or "Below expectations", please explain why:



*Category: Patent applications*

Regarding the outputs of the whole consortium, please indicate the total number of patent applications

---

How do you rate the performance of your project when it comes to patent applications?

- Not applicable
  - Not meeting expectations
  - Below expectations
  - Meeting expectations
  - Above expectations
  - Far above expectations
- 

If you chose "Not meeting expectations" or "Below expectations", please explain why:



*Category: Prototypes, pilots*

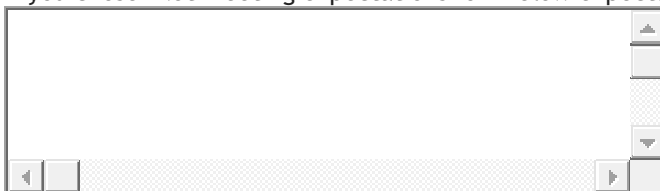
Regarding the outputs of the whole consortium, please indicate the total number of prototypes and pilots

---

How do you rate the performance of your project when it comes to prototypes and pilots?

- Not applicable
  - Not meeting expectations
  - Below expectations
  - Meeting expectations
  - Above expectations
  - Far above expectations
- 

If you chose "Not meeting expectations" or "Below expectations", please explain why:



**Category: Other IP: copyright, trademarks, designs**

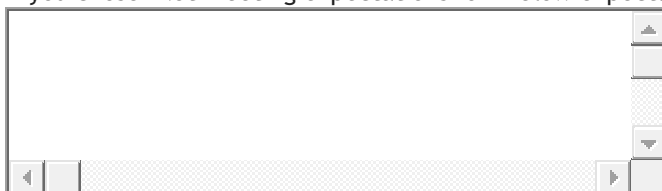
Regarding the outputs of the whole consortium, please indicate the total number of other IP

---

How do you rate the performance of your project when it comes to other IP?

- Not applicable
  - Not meeting expectations
  - Below expectations
  - Meeting expectations
  - Above expectations
  - Far above expectations
- 

If you chose "Not meeting expectations" or "Below expectations", please explain why:



**Final results of the consortium (to be answered only by the coordinator)**

**Category: New products or services**

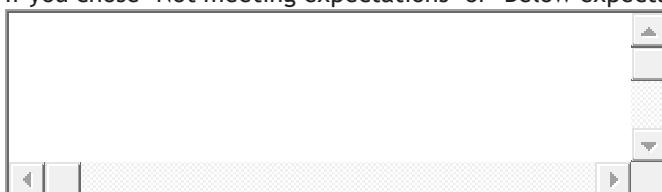
Did the consortium create a marketable product/service?

- Yes
  - No
- 

How do you rate the performance of your project when it comes to new products and services?

- Not applicable
  - Not meeting expectations
  - Below expectations
  - Meeting expectations
  - Above expectations
  - Far above expectations
- 

If you chose "Not meeting expectations" or "Below expectations", please explain why:



**Category: Standards for data exchange**

Did the consortium obtain at least 1 new European level standard for data exchange?

- Yes
- No

Did the consortium obtain at least 1 new national level standard for data exchange?

- Yes
  - No
- 

How do you rate the performance of your project when it comes to standards for data exchange?

- Not applicable
  - Not meeting expectations
  - Below expectations
  - Meeting expectations
  - Above expectations
  - Far above expectations
- 

If you chose "Not meeting expectations" or "Below expectations", please explain why:

**General questions relating to output (to be answered by everybody)**

Without ICT-AGRI funding, what percentage of your results (outputs) would have been achieved?

- 0%
- 20%
- 40%
- 60%
- 80%
- 100%

Generally, what is your level of satisfaction concerning the outputs/results you and the consortium achieved? \*

- Not applicable
- Not satisfied
- Rather satisfied
- Satisfied
- Very satisfied
- Fully satisfied



If you chose "Not satisfied" or "Rather satisfied", please explain why:

### 3.4. Outcomes - effects of the project on your institution and your team

This part of the questionnaire contains questions about the indirect results of the funded project (e.g. skills that the project team within your institution gained or that the other partner institutions within the consortium gained throughout the project).

#### *Knowledge*

Project ID \*

Project name \*

To what extent did the skills of the staff within your institution increase? \*

- Not applicable
- To no extent
- To a small extent
- To a moderate extent
- To a large extent
- To a very large extent

To what extent did you get a broader understanding of the concerned research field(s) and stakeholder expectations? \*

- Not applicable
- To no extent
- To a small extent
- To a moderate extent
- To a large extent
- To a very large extent

To what extent do you agree that your understanding of end users'/farmers' needs increased since your part of the project began? \*

- Not applicable
- I definitely disagree
- I rather disagree
- I neither agree nor disagree
- I rather agree
- I fully agree

To what extent do you agree that your understanding of your consortium partners' expertise and competencies increased? \*

- Not applicable

- I definitely disagree
- I rather disagree
- I neither agree nor disagree
- I rather agree
- I fully agree

Consortium partners=other institutions

How much did the research quality increase as a consequence of increased skills and understanding? \*

- Not applicable
- No quality increases noticed
- Little quality increases noticed
- Moderate quality increases noticed
- Large quality increases noticed
- Very large quality increases noticed

How many people completed any of the following qualifications through their work on the ICT-AGRI funded project and/or using funding from the ICT-AGRI project?

Number of PhDs \*

Number of MSc, MEng \*

### *Network and cooperation*

To what extent do you agree with the following statement: "The consortium partners are still cooperating." \*

- Not applicable
- Totally disagree
- Disagree
- Neither agree nor disagree
- Agree
- Totally agree

To what extent did your part of the project contribute to the formation of new R&D partnerships (during or after the project implementation)? \*

- Not applicable
- To no extent
- To a small extent
- To a moderate extent
- To a large extent
- To a very large extent

If you experienced the formation of new R&D partnerships:

Are/Were these collaborations mainly international?

- Yes
- No

If yes, are they still continuing?

- Yes

No

Did you achieve any results which would not have been possible without the consortium? \*

Yes

No

If yes, which ones?



*Category: Improved public-private cooperation*

What has been the frequency of contacts so far concerning: Public-private cooperation \*

Less

Equal

More

Much more

Please compare to the period before your part of the project started

---

How do you rate the performance of your project in the area of public-private cooperation compared to before your part of the project started? \*

Not applicable

Not meeting expectations

Below expectations

Meeting expectations

Above expectations

Far above expectations

---

If you chose "Not meeting expectations" or "Below expectations", please explain why:



*Category: Improved transnational cooperation*

What has been the frequency of contacts so far concerning: Transnational cooperation \*

Less

Equal

More

Much more

Please compare to the period before your part of the project started

---

How do you rate the performance of your project in the area of transnational cooperation, compared to before your part of project started? \*

- Not applicable
- Not meeting expectations
- Below expectations
- Meeting expectations
- Above expectations
- Far above expectations

---

If you chose "Not meeting expectations" or "Below expectations", please explain why:



*Category: Improved transdisciplinary cooperation*

What has been the frequency of contacts so far concerning: Transdisciplinary cooperation \*

- Less
- Equal
- More
- Much more

Please compare to the period before your part of the project started


---

How do you rate the performance of the project concerning transdisciplinary cooperation, compared to before your part of the project started? \*

- Not applicable
- Not meeting expectations
- Below expectations
- Meeting expectations
- Above expectations
- Far above expectations

---

If you chose "Not meeting expectations" or "Below expectations", please explain why:



*Category: Access to complementary expertise*

How do you rate the performance of your project in the area of access to complementary expertise, compared to before your part of the project started? \*

- Not applicable
- Not meeting expectations
- Below expectations
- Meeting expectations
- Above expectations
- Far above expectations

---

If you chose "Not meeting expectations" or "Below expectations", please explain why:

*Economy and strategy*

Did your project achievements lead to additional funding during or after the completion of your part of the ICT-AGRI project? \*

- Yes
- No

If Yes:

What is the indicative number of new projects linked to the ICT-AGRI funded project?

Please indicate the source(s) and amount(s) of funding received for carrying out these project(s).  
(Several answers possible)

EU Framework Programmes / Horizon 2020 €

All requested amounts should be expressed as thousands of euros. E.g.: 1.357.900 euro should be written as € 1357.9 in the answer box.

Other EU funds €

National funds €

Other public funds €

Private funds €

Own funds €

How were these funds used? Please indicate the amount of funds used for:

Salary €

All requested amounts should be expressed as thousands of euros. E.g.: 1.357.900 euro should be written as € 1357.9 in the answer box.

Equipment €

Travelling/Meeting €

Other purposes €

Are or will partners of the ICT-AGRI project consortium participate?

- All
- None
- Some

Which approach is or will be considered?

- R&D
- Implementation
- Commercialisation

In general, to what extent can the current performance of your unit/organisation be attributed to your participation in ICT-AGRI? \*

- Not applicable
- To no extent
- To a small extent
- To a moderate extent
- To a large extent
- To a very large extent

### 3.5. Impacts - effect of the project on users and society at large

This part of the questionnaire contains questions about the impact of the funded project on users, companies and the society.

#### *General questions*

To what extent did you provide open access to the results of your part of the project? \*

- Not applicable
- To no extent
- To a small extent
- To a moderate extent
- To a large extent
- To a very large extent

How effective do you judge the information transfer of your results among the user communities? \*

- Not applicable
- Very ineffective
- Slightly ineffective
- Moderately effective
- Effective
- Very effective

To what extent did your results reach the desired circles? \*

- Not applicable

- To no extent
- To a small extent
- To a moderate extent
- To a large extent
- To a very large extent

*Impacts on the research community*

*Category: Launch of projects by others based on your results*

Do you know of any projects that were launched based on the results of your project? \*

- Yes
- No

If so, please name them:

---

What percentage of the projects listed in your previous answer, address agriculture?

---

How do you rate the performance of your ICT-AGRI funded project concerning the launch of other projects based on your results \*

- Not applicable
- Not meeting expectations
- Below expectations
- Meeting expectations
- Above expectations
- Far above expectations

---

If you chose "Not meeting expectations" or "Below expectations", please explain why:

*Category: Students and staff*

Please indicate the number of students/staff within your institution who have worked on your ICT-AGRI funded project (only if staff members were hired especially for the project, no permanent staff members), that chose the following (first) career destinations after finishing their involvement with the project.

Employment: private sector research \*

Employment: private sector non-research \*

Employment: public sector research \*

Employment: public sector non-research \*

Further study \*

Seeking employment \*

Don't know \*

Since the beginning of your part of the project, to what extent did you observe the following changes in your research environment?

An increased mobility of researchers \*

- Not applicable
- To no extent
- To a small extent
- To a moderate extent
- To a large extent
- To a very large extent

Increased research activities between ICT and agriculture \*

- Not applicable
- To no extent
- To a small extent
- To a moderate extent
- To a large extent
- To a very large extent

Improved information exchange \*

- Not applicable
- To no extent
- To a small extent
- To a moderate extent
- To a large extent
- To a very large extent

*Impact on industry/ service sector*

*Category: End users / companies interested to use your results*

Please indicate the number of requests received from end users/companies concerning the use of your results. \*



How do you rate the performance of your project in the area of end users/companies interested to use your results? \*

- Not applicable
- Not meeting expectations
- Below expectations
- Meeting expectations
- Above expectations
- Far above expectations

---

If you chose "Not meeting expectations" or "Below expectations", please explain why:

Are your results further developed by the industry? \*

- Yes
- No

If yes, indicate by whom:

Are your results commercialized by the industry? \*

- Yes
- No

If yes, indicate by whom:

*Impact on farmers*

Category: Implementation of your solution by farmers

Please indicate the number of particular cases you know of where farmers have implemented your solutions. \*

---

How do you rate the performance of your project in the area of the implementation of your solutions by farmers? \*

- Not applicable
- Not meeting expectations
- Below expectations
- Meeting expectations
- Above expectations
- Far above expectations

If you chose "Not meeting expectations" or "Below expectations", please explain why:



Category: Improvement of the situation of farmers

Among the following, indicate the 3 areas in which your solution could contribute most to an improvement for the farmer: \*

- Security, health
- Compatibility of technology
- Functionality, user-friendliness
- Productivity
- Profitability

Impact on society at large

Among the following, indicate the 3 effects on society at large to which your project could contribute most: \*

- Increased productivity
- Reduced waste in the food chain
- Increased energy efficiency
- Optimized fertilizer and pesticide use
- Optimized water management
- Maintained soil quality
- Increased biodiversity
- Decreased air pollution
- Reduced greenhouse gas emissions
- Ensured food quality and safety
- Increased animal welfare and health
- Improved farmers' working conditions
- Increased cohesion in the European Research Area