

Assessing performance in project implementation Monitoring Questionnaire

Section A: Project Overview

1. Letter of Agreement number: **W3B-PR-05-PERU**

2. Implementing institution (name): **Universidad Nacional Agraria La Molina (UNALM)-Instituto de Biotecnología (IBT)**

3. Type of the implementing institution:

- | | |
|---|---|
| <input type="checkbox"/> Governmental organization | <input type="checkbox"/> National non-governmental organization (NGO) |
| <input type="checkbox"/> National research institute | <input type="checkbox"/> International non-governmental organization |
| <input type="checkbox"/> International research institute | <input type="checkbox"/> Gene bank |
| <input checked="" type="checkbox"/> X University | <input type="checkbox"/> Other |

4. Target country/ies: **PERU, ECUADOR**

Indicate the importance of the targeted countries for genetic diversity:

- Unknown Low Medium X High

5. If applicable, indicate which of the below biotic and abiotic stresses the project is addressing?

- X Drought X Heat X Pests/diseases (**LATE BLIGHT**) Floods X Other (**COLD, FROST**)

6. Target crop/s: **POTATO *Solanum***

7. Indicate the importance of target crops for:

Income generation Unknown Low Medium X High

Food security Unknown Low Medium X High

Resilience Unknown Low Medium X High

Adaptation Unknown Low Medium X High

8. Indicate the districts/villages covered by the project activities and their extension in (km²):

Illpa/Puno; Jauja, Huancayo, Sicaya/Junín; ECUADOR: Tulcán; Ambato; Yacupampa, Sta. Isabel/Chimborazo; Cangahua, Cumbaya, Cutuglahua, Mejía/Pichincha. Extension covered: 2400 km²

9. Rank the level of vulnerability of the targeted areas / regions involved with respect to:

- | | | | |
|--------------------|------------------------------|--|--|
| 1. Food insecurity | <input type="checkbox"/> Low | <input type="checkbox"/> Medium | <input checked="" type="checkbox"/> X High |
| 2. Poverty | <input type="checkbox"/> Low | <input type="checkbox"/> Medium | <input checked="" type="checkbox"/> X High |
| 3. Climate shocks | <input type="checkbox"/> Low | <input type="checkbox"/> Medium | <input checked="" type="checkbox"/> X High |
| 4. Genetic erosion | <input type="checkbox"/> Low | <input checked="" type="checkbox"/> X Medium | <input type="checkbox"/> High |

10. Indicate who are the partners involved in the implementation of this project and specify:

Name of the partnering institution	Type of the institution ¹	Areas of collaboration
INSTITUTE OF BIOTECHNOLOGY (IBT)- NATIONAL AGRARIAN UNIVERSITY LA MOLINA (UNALM), PERU	UNIVERSITY	COORDINATION. RESISTANCE TRIALS/ASSAYS, RESISTANCE/TOLERANCE EVALUATIONS, BREEDING ACTIVITIES, APPLICATION OF THE DEVELOPED ALLELE-SPECIFIC PRIMERS FOR GENOTYPE SELECTION, MOLECULAR TECHNOLOGY IMPLEMENTATION, TRANSFER AND DISSEMINATION ACTIVITIES
NATIONAL INSTITUTE FOR AGRARIAN RESEARCH (INIAP), ECUADOR	NATIONAL RESEARCH INSTITUTE	RESISTANCE TRIALS/ASSAYS, RESISTANCE/TOLERANCE EVALUATIONS, BREEDING ACTIVITIES, APPLICATION OF THE DEVELOPED ALLELE-SPECIFIC PRIMERS FOR GENOTYPE SELECTION, MOLECULAR TECHNOLOGY IMPLEMENTATION, TRANSFER AND DISSEMINATION ACTIVITIES
UNIVERSITY OF SAN FRANCISCO QUITO (USFQ), ECUADOR	UNIVERSITY	RESISTANCE TRIALS/ASSAYS, RESISTANCE/TOLERANCE EVALUATIONS, BREEDING ACTIVITIES, APPLICATION OF THE DEVELOPED ALLELE-SPECIFIC PRIMERS FOR GENOTYPE SELECTION, MOLECULAR TECHNOLOGY IMPLEMENTATION, TRANSFER AND DISSEMINATION ACTIVITIES
NEIKER, SPAIN	PUBLIC RESEARCH INSTITUTE	TECHNOLOGY PROVIDER. MOLECULAR TECHNOLOGY DEVELOPMENT AND TECHNOLOGY TRANSFER
NATIONAL INSTITUTE FOR AGRARIAN INNOVATION-INIA, HUANCAYO, PUNO / PERU	NATIONAL RESEARCH INSTITUTE	COLLABORATION WITH SELECTED ACCESIONS AND FIELD TRIALS AT HUANCAYO AND PUNO

11. Indicate the number and socio economic status of the direct² beneficiaries of this project by filling in the table below:

Number of direct beneficiaries reached	Status of direct beneficiaries ³	Share of women (%)	How did they benefit?
36	RESEARCH PARTICIPANTS IN THE PROJECT	25	Knowledge, conventional and molecular methodologies, and bioinformatic software has strengthened the capacities of the of the partners in this project partners in this project
35	RESEARCHERS NOT PRICIPATING IN THE PROJECT	30	Knowledge, conventional and molecular methodologies, and bioinformatic software that strengthened the capacities of the partners in this project transferred to other scientists associated with the project or similar ones
5000	STUDENTS AND PROFESSIONALS	45	Results, knowledge, conventional and molecular methodologies, and bioinformatic software that strengthened the capacities of

¹ For example: Governmental organization, national research institute, international research institute, university, national non-governmental organization (NGO), international non-governmental organization, gene bank etc.

² Direct beneficiaries can be defined as those who are participating directly in the project, and thus benefit from its activities (e.g. access to seeds, training, orientation sessions, workshops, field activities etc.).

³ Beneficiaries' status may include: farmers, plant breeders, national gene banks managers and their staff, community/grassroots organizations members, government officials (Ministry of Agriculture, Ministry of Environment) etc.

			the partners in this project transferred to target groups in the productive chain. Student Thesis.
1000	FARMERS	40	Availability of native and commercial varieties as well as future new improved varieties adapted to extreme climatic conditions for sustainable agriculture. Their use will lead to additional income of farmers, thus contributing to sustainable development, food security and increased quality of life.

12. Indicate which of the following criteria have been used in selecting project beneficiaries:

<input checked="" type="checkbox"/> X Poverty level	<input type="checkbox"/> Knowledge in farming the targeted varieties	<input checked="" type="checkbox"/> X Geographic distribution
<input checked="" type="checkbox"/> X Vulnerability to climate change	<input type="checkbox"/> Potential multiplier effect	<input type="checkbox"/> Other(specify)
<input checked="" type="checkbox"/> X Vulnerability to food insecurity	<input type="checkbox"/> Gender balance	

13. Indicate the estimated number of the beneficiaries that will indirectly benefit from this project by filling in the table below:

Number of indirect beneficiaries	Status of beneficiaries	Share of women (%)	How will they benefit?
40	POTATO GERMPLASM BANK CURATORS, BREEDERS	25%	UNIVERSITY, NATIONAL RESEARCH INSTITUTES
3000	SCIENTISTS	50%	UNIVERSITY, NATIONAL RESEARCH INSTITUTES, PUBLIC RESEARCH INSTITUTE, PRIVATE ENTERPRISES, THROUGH THE PROJECT WEB SITE.
4000	FARMERS	40%	INDIVIDUALS, FARMERS COMMUNITIES AND ORGANIZATIONS

14. Did your organization undertake any surveys/vulnerability assessments of the needs and challenges faced by the target population? Yes X No

15. If yes to Q 14, please provide details by filling the table below:

Total number of people surveyed	Categories of surveyed people (farmers, students etc)	Share of women (%)	Problems identified	Coping strategies	Possible solutions

16. If yes to Q 17, please explain how the results of the vulnerability and needs assessments have been incorporated in project design and implementation?

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Section B: Targeted PGRFA and field activities

17. Has the project used/addressed local varieties? If yes, which ones?

Yes, most of them in Peru (201 local native varieties from 215 accessions), many in Ecuador (27 from 111 accessions).

18. Did the project use any pre-breeding material? If yes, can you please indicate how you accessed and used it?

Pre-breeding material was prepared for the project in Ecuador. From 24099 progenies generated 708 were agronomically selected under field conditions and 75 were used for validation of molecular primers to select for Late Blight resistance generated at NEIKER .

19. Did your project contribute to safeguarding or managing any crop wild relatives? If so, of which species?

The project contributed to safeguarding genes derived from Solanum demissum.

20. Has your project addressed or reintroduced any underutilized crop? If yes, of which crops?

The project addressed Peruvian underutilized potato native cultivars many of them highly probable non available in known Germplasm Banks.

21. Is the executing institution of the project undertaking any activity for crop improvement? YES X YES NO

22. If yes to Q 21, please specify below:

22.1. Traits/characteristics addressed: Tolerance to cold, frost, drought, heat and resistance to Late Blight.

22.2. Number of new/improved varieties developed : One potential new variety in Peru and one in Ecuador, both resistant to Late Blight. However they still need adaptation and stability assays.

Promoting to increase use of four commercial varieties in Ecuador resistant to Late Blight and 10 native commercial varieties in Peru tolerant to frost. These traits were validated and further supported for studies conducted in the project as varieties useful for adaptation to the abiotic and/or biotic effects of climate change.

23. Have the new varieties been distributed to farmers YES X NO yet

24. If yes to Q 23, specify how many varieties and of which crop

25. Is the project re-introducing lost varieties? If yes, of which crops?

No, but promoting 10 underutilized native potato varieties in Peru and one in Ecuador.

26. If yes to Q 25, indicate the source for the reintroduction of lost varieties (e.g. community seed banks, national genebank, regional or international genebank etc).

University genebanks.

27. Is the project establishing community seed banks? No

28. If yes to Q27, how many community seed banks have been established and which varieties are stored within?

29. Indicate any collection mission related to PGRFA conducted by your organization, providing details on:

29.1. Name of Crop/s collected:

29.2. Number of collected accessions

29.3. Indicate whether the collected accession have been stored in

Community/farmers X Local National genebank International International research

genebank	genebank		genebank	center
30. If evaluation and characterization activities occurred, please detail the importance of the following criteria in evaluating and characterizing crop germplasm (from 1=not important to 4=very important)				
<i>Traits</i>	Name of crops/material characterized/evaluated Potato accessions			
30.1. Morphological	4			
30.2. Agronomic	4			
30.3. Socio-economic	4			
30.4. Total accessions characterized/evaluated	326			
Total number of identified accessions exhibiting novel/preferred traits	30			
30.5. What was the type of evaluated material				
<input type="checkbox"/> crop wild relatives	<input checked="" type="checkbox"/> X traditional cultivar/landrace	<input checked="" type="checkbox"/> X genebank material		
30.6. What was the origin of the evaluated material				
<input type="checkbox"/> material obtained through project collection missions	<input checked="" type="checkbox"/> X farmers/field genebanks	<input type="checkbox"/> national gene bank	<input type="checkbox"/> international gene bank	
<input checked="" type="checkbox"/> X local gene bank		<input type="checkbox"/> private sector/commercial agencies		
31. Has the data obtained from the evaluation process been incorporated into an information system?				
<input checked="" type="checkbox"/> X Yes <input type="checkbox"/> No				
32. If yes to Q31, please detail the type of information system				
Project Web Site and they will be registered in the Global Information System and Digital Object Identifiers (DOIs) will be assigned.				
33. What was the role of farmers in the characterization/evaluation and selection activity?				
<input type="checkbox"/> selection of pilot sites	<input type="checkbox"/> setting selection and evaluation priorities	<input type="checkbox"/> implementing the activity		
<input checked="" type="checkbox"/> X choice of germplasm	<input type="checkbox"/> definition of preferable traits			

34. If genotyping and/or phenotyping activities occurred, please detail the importance of the following criteria in genotyping and phenotyping crop germplasm (from 1=not important to 4=very important)

Traits	Name of crops/material evaluated					
	Potato accessions					
34.1. Morphological	4					
34.2. Agronomic	4					
34.3. Gastronomic	4					
34.4. Socio-economic	4					
34.5. Total accessions phenotyped/genotyped	326					
34.6. Total number of genotypes with novel traits identified	30					

34.7. What was the type of genotyped/phenotyped material

crop wild relatives
 traditional cultivar/landrace
 genebank material

34.8 What was the origin of the genotyped/phenotyped material?

material obtained through project collection missions
 national gene bank

<input type="checkbox"/> X farmers/field genebanks <input checked="" type="checkbox"/> X local gene bank	<input type="checkbox"/> international gene bank <input type="checkbox"/> private sector/commercial agencies		
35. Has the data obtained from the phenotyping and/or genotyping been incorporated into an information system?			
<input checked="" type="checkbox"/> X Yes <input type="checkbox"/> No			
36. What was the role of farmers in the phenotyping and/or genotyping activity?			
<input type="checkbox"/> selection of pilot sites <input checked="" type="checkbox"/> X choice of germplasm	<input type="checkbox"/> setting selection and evaluation priorities <input type="checkbox"/> definition of preferable traits	<input checked="" type="checkbox"/> X implementing the activity	
37. Indicate which of the following activities have been carried out to promote and facilitate the use of crop varieties:			
<input type="checkbox"/> seed days <input checked="" type="checkbox"/> X field studies	<input checked="" type="checkbox"/> X agricultural shows <input type="checkbox"/> study tours	<input type="checkbox"/> diversity fairs <input checked="" type="checkbox"/> X field trials	<input checked="" type="checkbox"/> X demonstrations
38. If any breeding activity has been implemented during this project, please enter below the following information:			
38.1. Name of crop/s: POTATO			
38.2. Trait (s)/characteristic(s) addressed:			
38.3. Estimated importance of the improvement in terms of food security and nutrition: <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> X High			
38.4. Estimated importance of the improvement in terms of adaptation and resilience: <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> X High			
38.5. Breeding involved farmers in :			
<input type="checkbox"/> setting breeding priorities <input type="checkbox"/> select from fixed lines (PVS)	<input checked="" type="checkbox"/> X select from segregating populations <input type="checkbox"/> making crosses and/or determine parents		
38.6. Specify the main output of the breeding activity			
39. If any genetic enhancement (including base-broadening) occurred during the implementation of this project, please enter below the following information:			
39.1. Type of activity:			
<input type="checkbox"/> genetic enhancement by introgression for specific traits <input type="checkbox"/> population improvement through incorporation or base broadening			
39.2. Rationale of the activity:			
<input type="checkbox"/> poor gain in breeding programmes			

- specific trait not available in current breeding materials
- evidence of narrow genetic base

39.3. Assessment of genetic diversity was made through:

- | | |
|---|--|
| <input checked="" type="checkbox"/> molecular markers | <input type="checkbox"/> other methods |
| <input type="checkbox"/> pedigree studies | <input type="checkbox"/> N/A |

39.4. Starting materials:

- | | |
|--|---|
| <input checked="" type="checkbox"/> local varieties/landraces | <input type="checkbox"/> wild varieties |
| <input checked="" type="checkbox"/> improved varieties in your country | |

39.5. Specify the main output of the enhancement/base-broadening activity: Promotion of 30 selected accessions adapted or resilient because of tolerance to abiotic stresses and /or resistance to Late Blight, especially 16 accessions.

40. Did this project enhance community conservation systems? YES NO

41. If yes to Q48, please detail further

42. Did this project enhance any linkages between local, national, regional and international genebanks?

Yes, linkages with local genebanks.

43. If yes to Q 42, specify how?

Section C: Information and technologies related to PGRFA

44. Did this project contribute to the development of new technologies related to PGRFA? YES NO

45. If yes to Q 44, provide more details on the number and type of new technologies developed Allele and allele combination models through GLM /Multiple Regression (Proc Stepwise), Breeding values, Mean performances, Model correlations, Progeny Performance Prediction matrixes, Most efficient markers, Top crosses for 7 traits developed. Marker assisted selection.

46. If yes to Q45, have these technologies been transferred? YES NO

47. If yes to Q 46, please provide more details on where and how technologies have been transferred NEIKER (Spain) transferred these technologies through three ITT Courses to the other partners in the Project: IBT-UNALM (Peru), INIAP and USFQ (Ecuador), as well as to other invited institutions.

48. Has the executing institution of this project put the PGRFA material and related information resulted from the project in public domain? Yes, Project Web Site and they will be registered in the Global Information System and Digital Object Identifiers (DOIs) will be assigned.

49. Did the project establish any learning and knowledge sharing platforms? If yes, please detail further how many and what type of platforms

50. Has the project developed any strategy/plan for the diversification of local agricultural and food systems?
 YES X NO

51. If yes to Q50, please provide more details

52. Has the project undertaken any study on climate change and adaptation strategies? YES X NO

53. Has your project contributed to creating and enabling environment, and put in place any national legislation and incentives for the conservation of and use of PGRFA? YES X NO

54. If yes to Q53, please specify how

55. Specify if seeds of the target crops have been distributed /made available to local communities specifying : NO YET

Crop variety	Quantity (kg)	Number of beneficiaries		Status (e.g. farmers, breeders)	Purpose (plantation, multiplication, selection, improvement, conservation etc.)	Channel of distribution (formal/informal seed system)
		male	female			
1.						
2.						
3.						
4.						
5.						
6.						
7.						

Section D: Training and capacity building related to PGRFA

56. Indicate what subjects have been addressed through capacity building and training during the implementation of the project and provide details by filling in the table below:

Subject of the training	Country/region	Frequency	Duration Days	Female	Male	Status (e.g. farmers, breeders)	Methodology (workshops, field days, demonstrations)
1. Software Management for the Analysis of Molecular Information on Potato. First Technology Transference Course.	Ecuador, Quito. July 2017	01	04	04	11	Scientists	Workshop, Interactive exercises
2. Software Management for the Analysis of Molecular Information on Potato (Updated). Second Technology Transference Course.	Peru, Cusco. June 2018	01	05	07	16	Scientists	Workshop, Interactive exercises
3. Software Management for the Analysis of Molecular Information on Potato (Updated 2). July 02-05, 2019. Third Technology Transference Course.	Ecuador, Cumbaya. July 2019	01	04	05	09	Scientists	Workshop, Interactive exercises
4. First Workshop of Plant	Ecuador,	01	01	19	41	Students,	Workshop

Physiology using Potato as Plant Model. September 15, 2018	Quito					Scientists	(A Workshop on the effect of climate change on the physiology of the potato)
5. Field Day at Bolivar University Farm. August 18, 2018	Ecuador, Bolivar	01	01	100	140	Farmers, technicians, productive chain	Project demonstration. Late Blight, Drought.
6. Field Day at Guangalo Community. September 26, 2018	Ecuador, Tungurahua	01	01	60	100	Farmers, technicians, productive chain	Project demonstration Late Blight, Drought.
7. Fairs at USFQ Polytechnic College. 2019.	Quito, Ecuador	02	01	200	300	Students	Project Presentation.
8. Technical Stage at NEIKER. May 06-14, 2019. Antonio Leon (USFQ), Xavier Cuesta (INIAP).	Vitoria, Spain	01	08	00	02	Scientists	Training and Discussion Project molecular results.
9. VIII Ecuadorian Potato Congress. June 27-28, 2019.	Ambato, Ecuador	01	02	100	250	Scientists, Decision Makers, Technicians, Professionals, Students, Farmers, all the potato chain.	Three Project Conferences (IBT-UNALM, NEIKER, USFQ), two Oral Presentations (IBT-UNALM, INIAP), three Posters by USFQ, one Poster by INIAP One Technical Stand by USFQ.
10. VIII Ecuadorian Potato Congress Field Day. Technical University of Ambato, Campus Querochaca. June 29, 2019	Tungurahua, Ecuador	01	01	40	60	Farmers, Scientists and all potato chain.	Project Demonstration Plots by INIAP on Late Blight Resistance.
11. IV Project Coordination Meeting. July 01, 2019	Cumbaya, Ecuador	01	01	00	09	Scientists	Meeting
12. Visit to Machachi, USFQ Experimental chamber facilities and Fields. July 06, 2019.	Pichincha, Ecuador	01	01	01	07	Project Scientists	Field Day. Demonstration Plots by USFQ on tolerance to cold, drought and heat

							physiological parameters.
13. Field day at University of Bolivar farm. September 11, 2019.	Bolivar, Ecuador	01	01	150	250	Farmers and local authorities	Selected varieties were delivered to farmers representatives of 14 organizations. Stands to expose the project objectives and outputs obtained, also all the plant physiology equipment was shown to the farmers so they get to know this new technology to understand plant's functions.
14. IV Final Coordination Meeting at UNALM, September 30, 2019.	Lima/ Peru	01	01	00	10	Project Scientisits	Meeting
15. Final Project Workshop to discuss Molecular results. UNALM, September 30, 2019	Lima/ Peru	01	01	00	07	Project Scientists	Workshop
16. Presentation Final Project Results. UNALM, October 1, 2019. 25 participants.	Lima/ Peru	01	01	09	16	Scientists, Authorities, Students	Meeting
17. IV Congreso Peruano de Mejoramiento genético de plantas y biotecnología Agrícola. La Molina del 2 al 4 de Octubre (IV Peruvian Congress of Plant Genetic Improvement and Agricultural	Lima/ Peru	01	03	50	150	Scientists, Decision Makers, Technicians, Professionals, Students, all the potato	Three Project Plenary Talks (NEIKER, IBT, USFQ), Two Oral presentations

Biotechnology, La Molina October 2-4, 2020).						chain.	(INIAP), Posters 4 USFQ, 3 INIAP, 3 IBT.
Total		01	37	745	1378		

57. Did your project develop any awareness raising materials and information products about the Treaty? YES NO

58. Indicate the type of products developed, media used and audience targeted by your organization in implementing the visibility plan to date. Please, make sure that those communication products are shared with the Treaty Secretariat, as per Communication and Visibility Manual provisions.

58.1. Products developed:

- | | |
|---|--|
| <input type="checkbox"/> Audio-visual products (enter references/links) | <input type="checkbox"/> Booklets |
| <input checked="" type="checkbox"/> Display panels and posters | <input type="checkbox"/> Reports (enter references) |
| <input type="checkbox"/> Fact sheets (enter references/links) | <input checked="" type="checkbox"/> Websites |
| <input type="checkbox"/> Newsletters (enter references/links) | <input type="checkbox"/> Magazines (enter references) |
| | <input type="checkbox"/> Accessories (t-shirts, caps, bags, etc.) /gadgets |

58.2. Media used

- | | | | |
|--|--|---|--|
| <input checked="" type="checkbox"/> Press | <input type="checkbox"/> Radio | <input checked="" type="checkbox"/> Diversity fairs | <input checked="" type="checkbox"/> Educational events |
| <input checked="" type="checkbox"/> Television | <input checked="" type="checkbox"/> Internet | <input checked="" type="checkbox"/> Conferences | |

58.3. Audiences targeted

- | | | | |
|---|---|---|--|
| <input checked="" type="checkbox"/> Policy makers | <input type="checkbox"/> Plant Breeders | <input type="checkbox"/> Gene bank managers | <input checked="" type="checkbox"/> General public |
| <input checked="" type="checkbox"/> Scientists | <input type="checkbox"/> Farmers | <input type="checkbox"/> Students | <input type="checkbox"/> Other _____ |

59. Indicate the major benefits gained by the targeted country/ies through the activities sponsored under this project:

- | | | |
|--|--|---|
| <input checked="" type="checkbox"/> Expanding characterization, evaluation and number of core collections of germplasm
<input type="checkbox"/> Increased availability of resistant to climate change seeds
<input checked="" type="checkbox"/> Increased availability of high yielding/quality seeds
<input type="checkbox"/> Exchange of germplasm
<input type="checkbox"/> Backup safety duplication of germplasm | <input checked="" type="checkbox"/> Increased resilience of local communities to climate change
<input type="checkbox"/> Increased food security of local communities
<input checked="" type="checkbox"/> Increased capacities for sustainable agricultural practices
<input type="checkbox"/> Exchange of technical expertise
<input checked="" type="checkbox"/> Exchange of information
<input type="checkbox"/> Establishment of networks for PGRFA
<input type="checkbox"/> Increased stakeholder participation
<input type="checkbox"/> Development of new seed markets | <input checked="" type="checkbox"/> Transfer of technology
<input checked="" type="checkbox"/> Introduction of improved varieties
<input checked="" type="checkbox"/> Improved knowledge
<input type="checkbox"/> Improved access to markets for PGRFA products
<input type="checkbox"/> Development of information systems on PGRFA
<input checked="" type="checkbox"/> Increased awareness on PGRFA
<input type="checkbox"/> Other (please specify) |
|--|--|---|

60.1 Indicate the number of households that access increased diversity of crops

60.6. Indicate the % increase in crop diversity at household levels

60.2. Indicate the number of households that report improved food security and nutrition Too early	60.7. Indicate the number of adaptation strategies for food security that have been developed and tested - None
60.3. Indicate the number of households practicing conservation agriculture N/A	60.8. Indicate the number of climate smart varieties developed and introduced in farmers' fields Promoting to increase use of four commercial varieties in Ecuador resistant to Late Blight and 10 native commercial varieties in Peru tolerant to frost.
60.4. Indicate the number of households with increased access to markets Too early	60.9. Indicate the number of policy dialogues involving smallholder farmers established None
60.5. Indicate the % increase in yields and marketed products Too early	
Section E: Project efficiency	
61. To what extent the outputs planned for the reporting period (with respect to the original workplan) have been achieved to date? If possible, indicate percentage of achievement (e.g. 70 % achieved)	
<input type="checkbox"/> 90% Highly satisfactory- % <input type="checkbox"/> Moderately satisfactory - % <input type="checkbox"/> Satisfactory - % <input type="checkbox"/> Moderately unsatisfactory- % <input type="checkbox"/> Unsatisfactory- %	
62. List the main risks faced during the implementation of the project (e.g. political turbulence, economic crisis, climate shocks etc.) None.	
63. Has the project strengthened ties with the private sector, with private breeders and/or government extension services and seed banks? If yes, provide details. No.	
64. Has the project established any relevant linkages with other projects, plans and/or programmes related to biodiversity, food security, and poverty alleviation in the country/region? <input type="checkbox"/> YES <input checked="" type="checkbox"/> X NO	
65. If Yes to Q64 please specify the projects and or programmes and the institutions responsible for their implementation:	
66. Did the project receive co-financing from other funding sources? If yes, indicate: No.	
Source:	
Amount USD	
67. Is there any additional co-financing envisaged after the end of the project implementation? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> X No	
68. If Yes to Q67, indicate the approximate amount secured in co-funding	

