# **Cluster of Activities Report Template**

**Cluster annual report - 2018**

**CoA3.2**

Authors

# MAIN ACHIEVEMENTS

This section provides a synthesis of main progress and achievements in implementing the annual Plan of Work. Fill this section considering the content of the GLDC POWB 2018 (<http://crp-gldc.icrisat.org/GLDC_POWB-Final.pdf> ). In particular, review the list Outputs (Annex 1) and complete the missing information in MEL. Output related information is essential to inform indicators on Number of innovation and Milestones achievement.

Use the two sections below to highlight key findings with gender, youth, capacity development and climate change relevance.

MAX 1500 characters

In Burkina Faso the use of ligneous material as organic amendment for sorghum under different fertlization regimes and the use of urban compost as organic fertilizer for sorghum was investigated

In Senegal trials on organic and mineral fertilization in different field types highlighted the importance of legacy effects of cropping systems on soil carbon stock, millet yield, NPK fertilizer efficiency, and on the performance of millet/cowpea association and millet/peanut rotation

In Burkina Faso, the performance of different sorghum and cowpea cultivars was performed in intercropping cropping system.

The use of plant extracts on sorghum lead to emergence of *S. hermonthica* and yield increases. Leaf samples of symptomatic sorghum and millet and *S. hermonthica* seeds were collected in different sites of Burkina Faso. A screening of eight cowpea varieties resistant to *S. gesnerioides* for their ability to induce suicidal germination of *S. hermonthica* is on-going.

Biocontrol agents released against the cowpea pod borer in Benin and Burkina Faso were recovered from wild alternative host throughout the year in Benin, and during the main cropping season in Burkina Faso. In Benin, pod borer populations were very low as an early indication of the ecological impact of the released parasitoids.

Long-term data sets on weather parameters and disease incidence in pigeonpea (1975 to 2017) and chickpea (1972-2017) in India indicated that rainfall (>300mm) within 5-7 days predisposes pigeonpea to Phytophthora blight disease, and that Fusarium wilt resistant cultivars are succumbing to dry root rot and at temperature >33°C.

The fungicide Acrobat (0.75 µg/ml) was found most effective for inhibiting the mycelial growth of *P. cajani* followed by Indofil (10 µg/ml).

Primers for the LAMP assay were designed from the ITS and EF-1α gene of the chickpea pathogens *R. bataticola* and *F. oxysporum* respectively. For each pathogen a set of 6 primers comprising 2 outer, 2 inner and 2 loop primers were designed. Standardization of the assay is in progress.

# Outcome cases and policy influenced (proposed)

Revise and complete the suggested list of outcome cases and policies to be documented

|  |  |  |
| --- | --- | --- |
| **Title of Outcome/ Impact Case Report (OICR) (30 words)** | **Description****(up to 80 words)** | **Geographic scope****(Specify if regional, national, sub-national and provide list of regions/countries)** |
| n/a |  |  |
|  |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| **Name and description of policies modified in design****or implementation, informed by CGIAR research (20-50 words, ideally around 30 words)** | **Type****(policies/ strategies / laws/ regulations/ budgets/ investments/ curricula)** | **Whose policy is this?****The primary organization(s) either designing/promulgating the policy, law, investment (e.g. national government) etc. and/or within which it is operating.** | **Geographic scope****(Specify if regional, national, sub-national and provide list of regions/countries)** |
| n/a |  |  |  |
|  |  |  |  |

# MAIN ACHIEVEMENTS WITH GENDER RELEVANCE

When possible, make reference to outputs reported, milestones completed, outcome cases or policy influence reported

MAX 1500 characters

n/a

# MAIN ACHIEVEMENTS WITH Youth RELEVANCE

When possible, make reference to innovations reported, milestones completed, outcome cases or policy influence reported

MAX 1500 characters

n/a

# MAIN ACHIEVEMENTS WITH CAPACITY DEVELOPMENT RELEVANCE

When possible, make reference to innovations reported, milestones completed, outcome cases or policy influence reported

MAX 1500 characters

A total of 6 PhD students are currently involved in CoA3.2 activities

# MAIN ACHIEVEMENTS WITH CLIMATE CHANGE RELEVANCE

When possible, make reference to innovations reported, milestones completed, outcome cases or policy influence reported

MAX 1500 characters

# MAIN GAPS AND CHALLENGES

Describe the main challenges/bottlenecks encountered and the deviation from your annual plan of work.

Please list any relevant review or study on foresight, monitoring and evaluation that has been realized in the last 12 months at the project/cluster level and that has potentially not been implemented under cluster 1-4: Enabling environments and scaling to accelerate impact (Use Annex 2 to provide this list). Provide results from these evaluations and learning processes, if any.

MAX 1500

n/a

# MEASURES TAKEN AND ADJUSTMENTS PROPOSED

Describe action taken to address challenges/bottlenecks

Provide an update on your theory of change if this is part of the adjustments proposed

MAX 1500 characters

n/a

# PARTNESHIPS: ACHIEVEMENT AND CHALLENGES

Please list up to three important partnerships for 2018, using the following table.

|  |  |  |
| --- | --- | --- |
| **Brief description of partnership aims (30 words)** | **List of key partners in partnership (one or more partners). Do not use acronyms.**  | **Main area of partnership (may choose multiple),** **Research/Delivery/Policy/Capacity Development/Other, please specify**  |
| Research conducted in partnership | The national agricultural research institutes in West Africa (INERA for Burkina Faso, ISRA for Senegal) | ResearchCapacity development (PhD) |

Please include collaborations with one or more CRPs or Platforms – or in some cases with other Centers, if these are not already core partners for your CRP.

|  |  |  |
| --- | --- | --- |
| **Name(s) of collaborating CRP(s), Platform(s) or Center(s)** | **Brief description of the collaboration**  | **Optional: Value added, in a few words**e.g. scientific or efficiency benefits |
| n/a |  |  |

# FUND RAISING

Give a narrative summary on the financial status and health of the cluster (all windows).

Provide an update on fund raising efforts.

MAX 1500 characters

This is quite a challenge, as for the moment w3/bilateral projects are still dealt with at the Center level, and the CoA leader is not necessarily informed of all w3/bilateral funding supporting the w1/2 activities

# **Annex 2 – Flagship Report Template**

**Flagship annual report - 2018**

**Flagship code – Flagship title**

Authors

# Progress by flagship

[Please provide brief summary narratives about how each individual CRP Flagship progressed towards the agreed ‘Program outcomes’, introducing Milestones Table to the reader, highlighting (i) major pieces of work and innovations and (ii) any major course corrections. Where relevant, indicate cross-flagship linkages and how one FP built on or worked with another to get results. (max 800 words).

# Variance from Planned Program for this year

(a) Have any promising research areas been significantly expanded? If so, for each example, please explain clearly where the demand came from (promising research results, demand from partners etc.). Where has the money for expansion come from? (max. 150 words)

(b) Have any research lines been dropped or significantly cut back? (Please note that cutting research lines which do not seem to be delivering is seen by Funders and System Organization as a sign of good management, not of failure.) If so, please give specific examples and brief reasons. If funding was reallocated to other work, where did the money go? (max. 150 words)

(c) Have any Flagships or specific research areas changed direction? If so, please describe how, and the reason. (max. 150 words)

# PARTNESHIPS: ACHIEVEMENT AND CHALLENGES

### Highlights of External Partnerships

[Please summarize any interesting highlights, value added and points to improve/ learning points from this year (e.g. on private sector partnerships), and make reference to partnerships reported at the cluster level] (max. 150 words)

### Cross-CGIAR Partnerships

[Please summarize general points on highlights, value added and points to improve/ learning points from this year and make reference to collaborations reported at the cluster level.] Any points you can include on added value of new structures (e.g. Platforms, CRPs) would be very useful.] (max. 150 words)

# Table 1: MILESTONEs TABLE 2018

Reference to the Milestone table related to this document.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **FP** | **FP outcomes 2022**  | **Summary narrative on progress against each FP outcome this year.**  | **Milestone** | **2018 milestones status (complete, extended, cancelled or changed)** | **Main reason for changes in status (if not complete)** | **Provide evidence for completed milestones (refer back to means of verification, and link to evidence wherever possible) or explanation for extended, cancelled or changed.**  |
| Taken from proposal | Taken from POWB/ proposal | To be filled at reporting  | Taken from POWB (to allow for changes) | to be filled at reporting  | 1. Research/science - inherent risk in unknown cutting-edge research or science2. Financial - funding delayed and/or cut3. Partnership - partners were not able to deliver a key piece on time4. Internal resources - key staff, infrastructure or equipment was not available at the time needed5. Weather - for example, drought or heavy rain affecting field trials6. External environment (political, economic, legal, market) - e.g. conflict, economic/market changes7. Other, please state: \_\_\_\_\_\_\_ | to be filled at reporting Max 50 words/milestone |

# Table 2: Evidence on Progress towards SRF targets (Sphere of interest)

Instructions:

Please complete this table with any available high-quality evidence on progress that was published or made available in 2018. Do not hesitate to state, “no new evidence available this year”, in column 2 if necessary, since we are trying to demonstrate evidence gaps and the need for additional funding for this area.

For examples of how this information can be phrased and referenced, please see Annex Table A [here](https://www.cgiar.org/wp/wp-content/uploads/2018/10/CGIAR-2017-Performance-Report-ANNEXES.pdf) in the previous CGIAR Annual Performance Report. Please provide information on all relevant SRF targets for a single study or innovation, to the extent possible. Example: please see in the 2017 report Annex Table A how findings from a single rice review have been allocated between targets for adoption, poverty and yield increases. Insofar as possible, please also disaggregate the effect of different innovations (e.g. in the above example NERICA rice could potentially be separated from another group of CGIAR rice varieties).

If the adoption or impact data comes from a relevant innovation or contribution of the CGIAR prior to the CRP start-up (e.g. varieties released before the CRP start-up, which for most CRPs would be approximately 2012), then please support statements with published references, as shown in the 2017 Annual Report Annex Table A above. Nearly all adoption or impact studies fall into the above category. There are (as yet) a few cases (two in 2017) in which the estimated figures for at-scale adoption or impact result from an innovation released within the CRP period, for example some biofortification numbers in 2017. If this is the case, then the statement must be supported by a link to an Outcome/ Impact Case Report **Maturity Level 3** (or if not, with unique identifier from any appropriate repository or publisher website).

|  |  |  |
| --- | --- | --- |
| **SLO Target (2022)** | **Brief summary of new evidence of CGIAR contribution** [Put N/A if the specific SRF target is not applicable to your FP. Put “No new evidence in 2018” if the target is potentially relevant, but there is no new evidence available**.** *Spell out all acronyms.]**Maximum 150 words per entry.* | **Expected additional contribution before end of 2022** (if not already fully covered).***Optional narrative. Evidence not required.****Max. 100 words* |
| **1.1.** 100 million more farm households have adopted improved varieties, breeds, trees, and/or management practices  |   |  |
| **1.2.** 30 million people, of which 50% are women, assisted to exit poverty |  |  |
| **2.1.** Improve the rate of yield increase for major food staples from current <1% to 1.2-1.5% per year |  |  |
| **2.2.** 30 million more people, of which 50% are women, meeting minimum dietary energy requirements |  |  |
| **2.3.** 150 million more people, of which 50% are women, without deficiencies in one or more essential micronutrients |  |  |
| **3.1.** 5% increase in water and nutrient efficiency in agroecosystems  |  |  |
| **3.2.** Reduction in ‘agriculturally’-related greenhouse gas emissions by 5%  |  |  |
| **3.3.** 55 M ha degraded land area restored |  |  |
| **3.4.** 2.5 M ha forest saved from deforestation |  |  |

# Table 3: Condensed list of policy contributions in this reporting year (Sphere of Influence)

[Please list policy contributions here. (Please see the [indicator guidance](https://drive.google.com/file/d/1GYLsseeZOOXF9zXNtpUtE1xeh2gx3Vw2/view) for indicator #I1 number of policies which also includes an explanation of what is covered under the term ‘policy’.)

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Column 1** | Type | Whose policy is this? | Geo Scope | Column 2 | Column 3 | Column 4a | Column 4b | Column 4c | Column 4d | Column 4e |
| Name and description of policy, legal instrument, investment or curriculum to which CGIAR contributed (20-50 words, ideally around 30 words)*Spell out acronyms in every row* | Define if a) Policy or Strategy, b) Legal Instrument, c) Budget or Investment d) curriculum | Specify if a) Funder, b) Public sector; c) Private Sector, d) Other……. | Specify if Global ,Regional Multi-National, National or sub-National | Level of Maturity | Link to sub-IDOs (max. 2) | CGIAR cross-cutting marker score | Link to OICR (obligatory if Level of Maturity is 2 or 3) or link to evidence (e.g. PDF generated from MIS) |
|  |  |  | gender | youth | capdev | Climate Change |  |
|  |  |  |  |  |  |  |  |  |  |  |

# Table 4: Condensed list of innovations by stage for this reporting year

Please complete the table below and report the supporting document in MEL unless you have already an external link to be provided.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Title of innovation** | **Weblink** | **Innovation Type** | **Stage of innovation** | **Geographic scope (with location)** |
| Please see indicator guidance for details |  | e.g. genetic,  | e.g. | e.g. global, regional- West Africa, national- Philippines |
|  |  |  |  |  |

Table 5: List of Outcome Cases submitted by CoA Leaders

|  |  |
| --- | --- |
| **Outcome Case** | **Evidence** |
| Title | Please add the MEL Link if the Case was submitted in MEL In case not submitted in MEL please upload togheter with this Report. |
|  |  |