

Grain Legumes and Dryland Cereals GLDC

FP3 – Group work on
Research priorities and integration with
cross cutting themes and FPs
2020



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RESEARCH
PROGRAM ON
Grain Legumes and
Dryland Cereals



Terms of reference of the group work

1. Research priorities are discussed with partners and cross cutting themes to be aligned to deliver intended outputs/outcomes
2. Cross-cutting initiatives to be embedded in research priorities
3. Area identified for integration across FPs



Research priorities

- Relook at the Theory of change (ToC): how each output fit in and contribute to the ToC
- FP3 complementing partners: CORAF-ECOWAS - technical support on designing agro-ecological sustainable farming systems (through hiring Ph.D. students)
- Similar complementarity would be explored with REDSAACC (Niger)
- Synthesizing the research on key themes- workshop to develop book chapters, organizing special issue of journal (in collaboration with PMU)
- How can we support mega programs like TAT to encourage systems approach to deliver solutions
- Mechanization!!
- Bio-fertilizers: Research vs adaptation and scaling of available products



	Title	Activity Leader	Lead Centre
1	Biochemical and molecular mechanisms of resistance studies for Fall armyworm in context to sorghum crop	Jaba Jagdish	ICRISAT
2	Studies on minicore lines of chickpea on Biochemical and morphological studies(trichomes, antixenosis, antibiosis, organic acids, Protease inhibitors and lectins) for pod borer	Jaba Jagdish	ICRISAT
3	Isolation and testing the efficacy of entomopathogenic fungi against fall armyworm in Malawi and Kenya	Sam Njoroge	ICRISAT
4	Assessment of ecological interactions between host plants, pod borer, biocontrol agents and climatic variables	Manuele Tamo	IITA
5	On-farm evaluation of Hand Push Legume Seeder Acceptance among Soybean and Cowpea Farmers in Mozambique (Expand Activity on-farm)	Canon Engoke	IITA
6	Landscape scale estimations of agricultural performance of smallholder farming systems using satellites and UAVs : Case study of an agroforestry parkland of Senegal	Leroux Louise	CIRAD
7	Mechnization of cereal crop residues harvest and processing to increase its utilization by ruminants and increase crop-livestock integration and job creation.	Hakeem Ajeigbe	ICRISAT
8	Feminization, women's empowerment and nutrition outcomes	Padmaja Ravula	ICRISAT
9	Spatial distribution of cropping pattern in Niger with high resolution sentinel 1 and 2 imagery to scale-up sustainable farming systems using the SI indicators identified through linked ongoing activity	Mohammed Irshad Ahmed	ICRISAT

Cross-cutting initiatives to be embedded in research priorities

Gender

- Organize a two days workshop on gender integration during FP3 activity leaders meeting in the first quarter of 2020
- Develop gender researchable questions and identifying data needs particularly focusing on
 - Participation of women and age groups
 - Women empowerment



Cross-cutting initiatives to be embedded in research priorities

Capacity development

- Relooking at the ToC...
- Defining and reporting Cap Dev in view of CGIAR CD framework
- Identify actors who are important to achieve the outcome of FP3 activities
- What capacity development is needed for which actor



Area identified for integration across FPs

FP4 and FP5

Systems modelling scenarios could inform FP4 and potentially FP5 understanding the relative importance of different traits/cultivars/crops in different regions considering climate change

Market and partnership in agri-business (MPAB)

Identifying opportunities from the muddle around sorghum/millet utilization options for improving nutritional security and resilience of smallholders' households in SAT





Demand-driven Innovation for the Drylands



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In partnership with CGIAR Centers,
public and private organizations,
governments, and farmers worldwide

<http://gldc.cgiar.org>

Thank you

