



A value chain of innovations: how to tackle the challenges for seed system changes

High level multi-stakeholders workshop

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Government of
the Netherlands



Netherlands Organisation
for Scientific Research



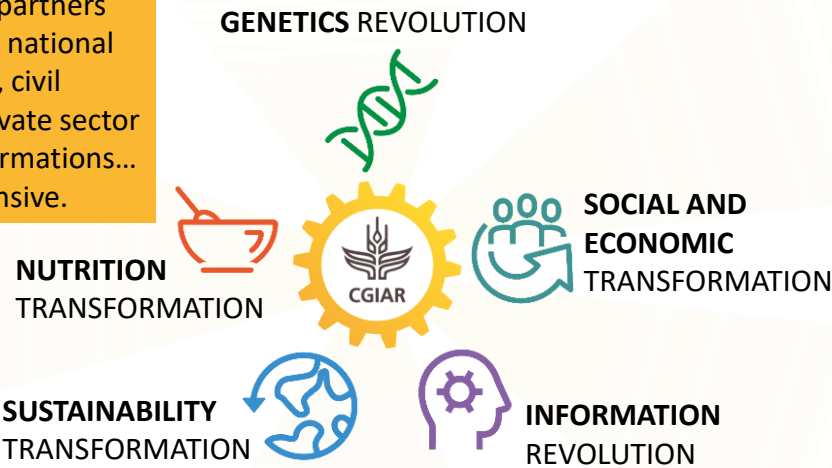
Food and agriculture at center of 5 Global Challenges



5 Transformations for a food systems revolution




To solve these complex challenges, CGIAR partners with governments, national research institutes, civil society and the private sector on 5 global transformations... all knowledge intensive.



New Portfolio of CRPs & Platforms for 2017-2021






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SCIENCE FOR HUMANITY'S GREATEST CHALLENGES

Towards a world free of poverty, hunger and environmental degradation CGIAR is the world's largest global agricultural innovation network.

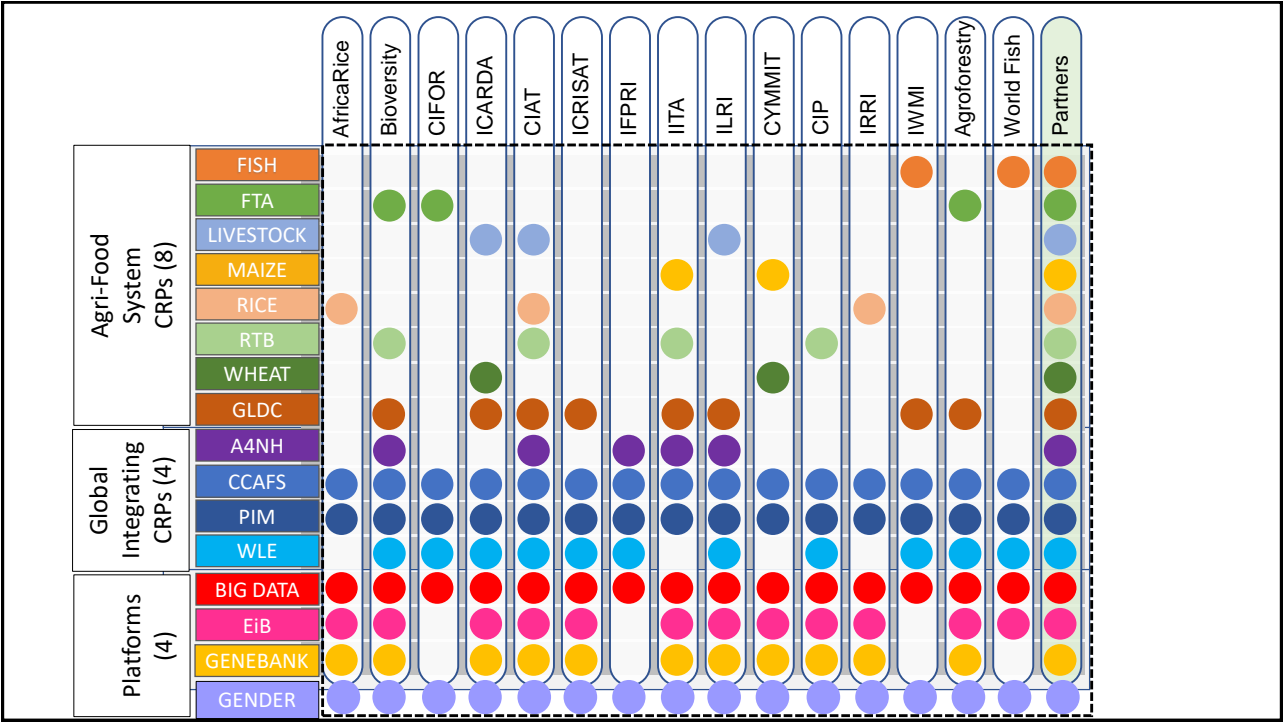
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A gender focus for agricultural research can benefit the whole community.

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CGIAR Research Programs more directly involved in SSD



MAIZE	GLDC	RICE	RTB	WHEAT
MAIZE FP1-Enhancing Maize's R4D Strategy for impact	GLDC FP1 Priority setting & impact acceleration	RICE FP1: Accelerating impact and equity	FP1-Discovery research for enhanced utilization of RTB genetic resources	WHEAT FP1 Inclusive and profitable wheat opportunities
MAIZE FP2-Novel Diversity and Tools for increasing Genetic Gains	GLDC FP2 Transforming Agrifood systems	RICE FP2: Upgrading rice value chains	FP2-Adapted productive varieties and quality seed of RTB crops	WHEAT FP2 Novel diversity and tools for improving genetic gains and breeding efficiency
MAIZE FP3-Stress Tolerance and Nutritious Maize	GLDC FP3 Integrated Farm and Household Management	RICE FP3: Sustainable farming systems	FP3-Resilient RTB crops	WHEAT FP3 Better varieties reach farmers faster
MAIZE FP4-Sustainable Intensification of Maize- Systems for better livelihoods of SH	GLDC FP4 Variety and Hybrid Development	RICE FP4: Global Rice Array	FP4-Nutritious RTB foods and value added through postharvest innovation	WHEAT FP4 Sustainable intensification of wheat-based farming systems
	GLDC FP5 Pre-breeding and Trait Discovery	RICE FP5: New rice varieties	FP5-Improved livelihoods at scale	

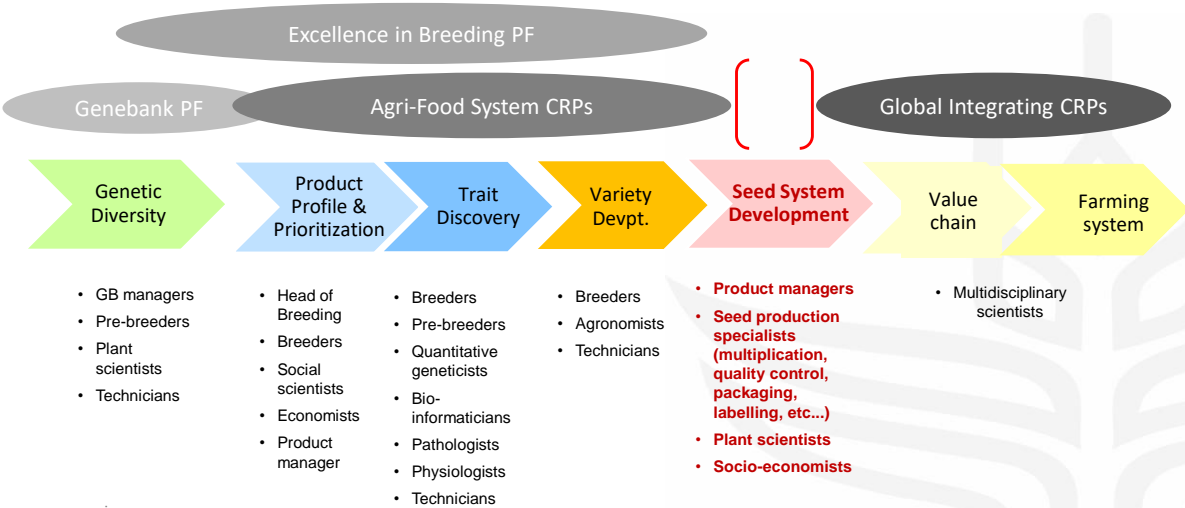
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- Priority setting, impact
- Trait discovery
- Variety Development
- Seed System
- Farming system
- Value chain

CGIAR Research Programs, Platforms and Seed System Development



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Joint Call NL-CGIAR on Seed System development



The Netherlands – CGIAR research programme

Call for preliminary proposals

Seed Systems Development
Enabling and Scaling Genetic Improvement and Propagation
Materials



Government of the Netherlands



This research call is funded by the Ministry of Foreign Affairs of the Netherlands as part of the Strategic Partnership between the Netherlands Government and the CGIAR. The call is implemented by WOTRO-WOTRO Science for Global Development, in collaboration with the CGIAR System Office and the Food & Business Knowledge Platform.

The Hague, January 2018
Netherlands Organisation for Scientific Research

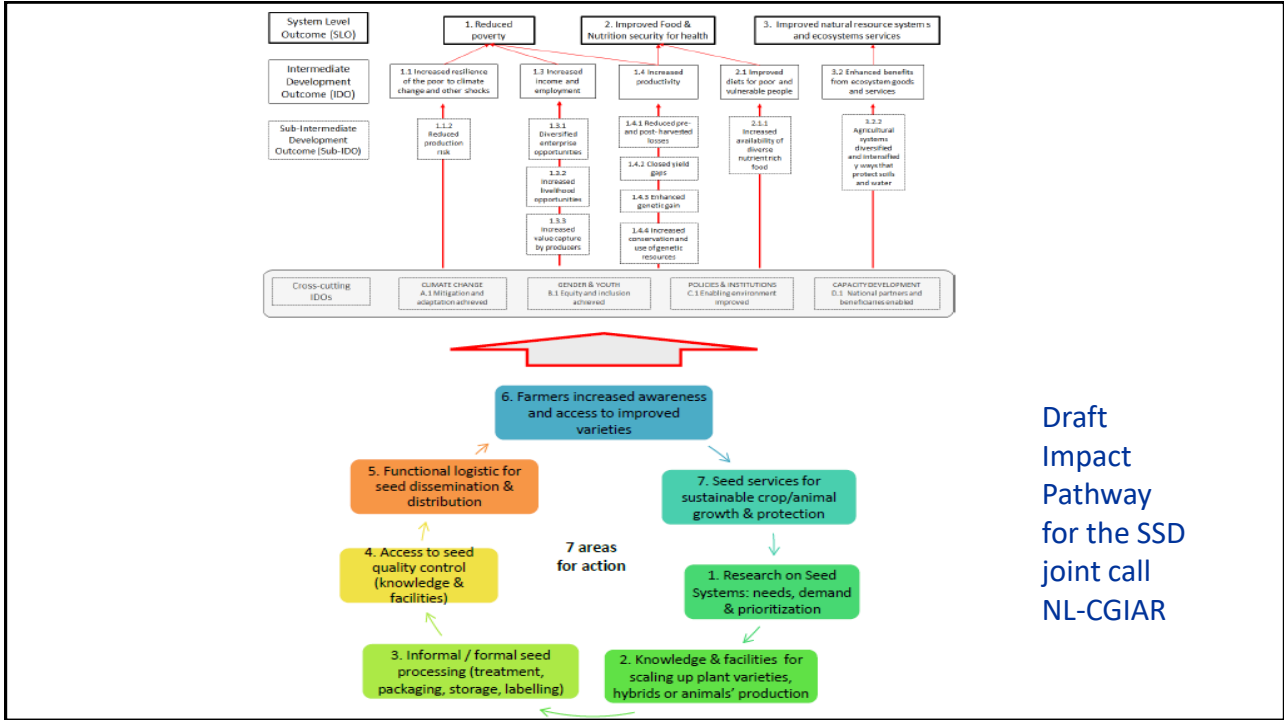
- One of the four instruments for strengthening NL-CGIAR research collaboration, in addition to W1-2 contribution.
- Framed in a MoU signed in September 2015 between the CGIAR System Organization and the Government of The Netherlands.
- Objectif: to facilitate partnering between the CGIAR Research Programs (CRPs), Platforms, CGIAR Centers, the Dutch knowledge institutes and stakeholders from the public and private sector, both for-profit and not-for-profit.
- Alignment between CGIAR SRF and NL framework

SSD joint call NL-CGIAR: alignment with the 4 Priority Knowledge Domain for Strategic collaboration



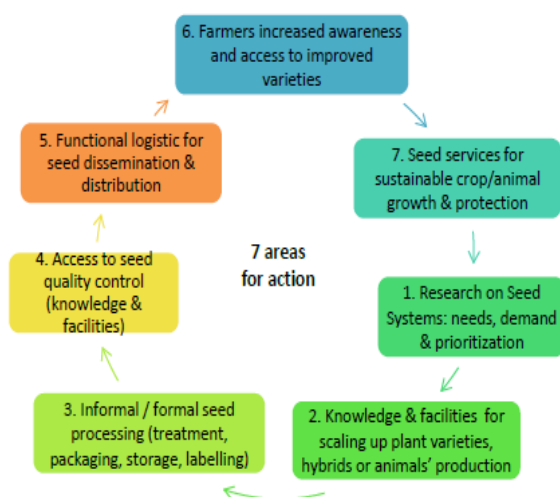
NL Global Food Security Policy Priorities	CGIAR SRF* System Level Outcomes	Priority Knowledge Domains for Strategic collaboration
Eradicating existing hunger & malnutrition	Improved Food and & Nutrition Security for Health	Agriculture for nutrition and health
Promoting inclusive & sustainable growth in the agricultural sector	Reduced Poverty	Sustainable agri-food value chains & sectors
		Genetic improvement and propagation materials
Creating ecologically sustainable food systems	Improved Natural Resource Systems and Ecosystem Services	Climate smart agriculture

* CGIAR SRF = CGIAR Strategy and Results Framework 2016-2030



Draft
Impact
Pathway
for the SSD
joint call
NL-CGIAR

SSD impact pathway: for each area for action => possible intervention, expected outputs, assumptions and risk



Area for action #1: Research on seed systems will focus on needs and prioritization based on broader range of analysis related to Foresight, Value Chain and upgrading, Gender, Youth or Impact assessment.

- Assumption and risk: (A) The first step to guarantee a successful deployment is to address the needs of smallholders, especially those of women and youth, and other possible users and markets. (R) Improved seed or nutritional traits do not reach the end user because it does not fully address their needs or the innovation is not well-understood.

- Intervention and expected outputs: (I) Design comprehensive and regularly updated foresight, targeting and cost-benefit analysis; (EO) Foresight, targeting and cost-benefit information supporting the identification of core drivers related to demand of farmers, users and markets.

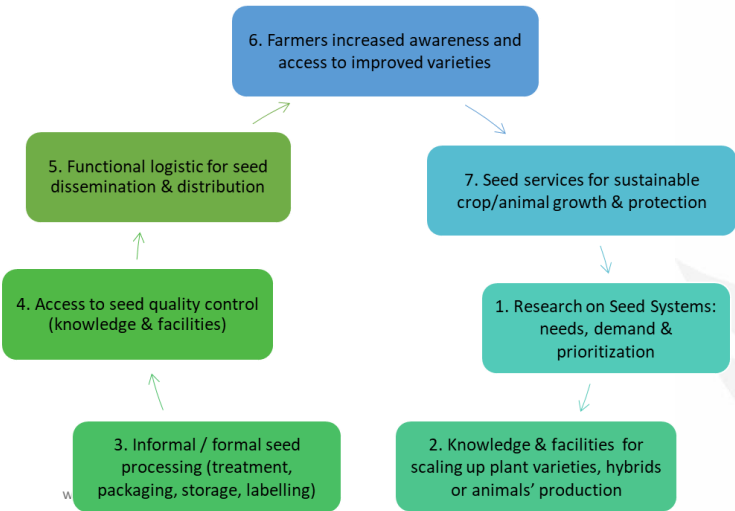
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Mapping the 9 NL-CGIAR SSD Projects to CRPs/PFs



New file #	Coordinator (old file #)	Lead	Location	Seed System	CRPs/PTFs
W08-240.101	De Haan (old: W 08.24018.102)	CIAT	Vietnam	Vegetables, Legumes	A4NH
W 08.240.102	Kramer (old: W 08.24018.107)	IFPRI	Kenya	Maize	MAIZE, PIM, Big Data
W 08.240.103	Ragasa (old: W 08.24018.111)	IFPRI	Ghana	Tilapia	FISH, PIM
W 08.240.104	Tumwegamire (old: W 08.24018.115)	IITA	Rwanda, Burundi	Cassava	RTB
W 08.240.105	Sparrow (old: W 08.24018.120)	WUR	Uganda	Maize, Beans, Potato	PIM
W 08.240.106	Gildemacher (old: W 08.24018.122)	KIT	Kenya, Uganda	Forages & Livestock	LIVESTOCK
W 08.240.107	Omore (old: W 08.24018.130)	ILRI	Ethiopia, Tanzania	Chicken	LIVESTOCK, Gender
W 08.240.108	Affognon (old: W 08.24018.135)	ICRISAT	Ghana, Mali	Groundnut	GLDC
W 08.240.109	Van Etten (old: W 08.24018.142)	Bioversity International	Ghana	Cocoa	FTA, CCAFS

Number of project-outputs mapped to the SSD-call impact pathway



1	50
2	30
3	26
4	29
5	39
6	47
7	17

SSD-project-outputs matching the CGIAR System Level Outcomes (SLOs) and Intermediate Development Outcomes (IDOs)



IDO									
Projects	1.1	1.3	1.4	2.1	A1	B1	C1	D1	Total
1	3	4	0	0	1	0	1	6	15
2	3	3	1	0	3	3	0	2	15
3	7	9	20	0	0	20	4	7	67
4	6	6	17	0	0	0	3	5	37
5	0	14	0	2	0	0	0	0	16
6	4	6	0	0	0	0	0	0	10
7	0	9	2	0	0	2	0	1	14
8	0	1	8	1	2	0	2	0	14
9	0	2	13	0	0	5	2	0	22
									210

	1.1	1.3	1.4	2.1	A1	B1	C1	D1	Total
Portfolio	23	54	61	3	6	30	12	21	210

- SLO1: Reduced poverty
- SLO2: Improved Food & Nutrition Security for Health
- IDO 1.1 Increased resilience of the poor to climate change and other shocks
- IDO 1.3 Increased incomes and employment
- IDO 1.4 Increased productivity
- IDO 2.1 Improved diets for poor and vulnerable people
- CC IDO A1 Mitigation and adaptation achieved
- CC IDO B1 Equity and inclusion achieved
- CC IDO C1 Enabling environment improved
- CC IDO D1 National partners and beneficiaries enabled

Join call NL-CGIAR on SSD: lessons learned



- Focus call addresses missing gap in knowledge
- Fluent cross-talk CGIAR – NL (NOW-WOTRO) during the full process (elaboration, guidance, selection, workshop) improved alignment between the call & project-proposals with SRF and NL priorities
- Setting up and cross-learning on Theories of Change and Impact Pathways at both project and SSD-portfolio levels, to ensure impact
- Collaboration in the design of template and reporting indicators, aligned with CGIAR common reporting indicators and FNS enabler indicators (NL Ministry of Foreign Affairs)

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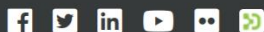
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STRENGTHENING THE PARTNERSHIP, CREATING IMPACT



CGIAR is a global research partnership for a food-secure future. CGIAR science is dedicated to reducing poverty, enhancing food and nutrition security, and improving natural resources and ecosystem services. Its research is carried out by 15 CGIAR Centers in close collaboration with hundreds of partners, including national and regional research institutes, civil society organizations, academia, development organizations and the private sector.



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