







# **Green Innovation Center (GIC) Ghana**







A project from the *One World – No Hunger* Initiative of the German Ministry for International Cooperation and Development (BMZ)

with the Ghanaian Ministry for Food and Agriculture (MoFA) as political partner

Joint MOAP / GIC Steering Committee Meeting 21 February 2017
Mike Bartels
GIC Project Team Leader



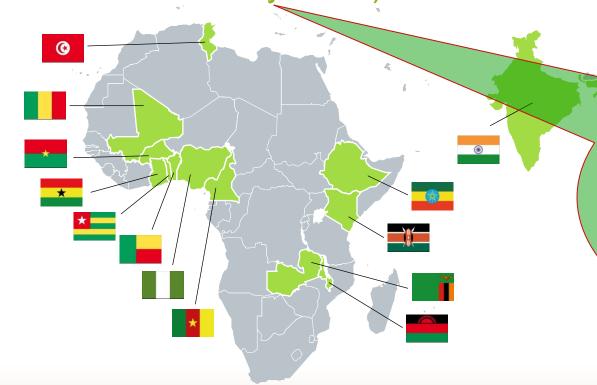






# **Programme Objective**

(Global programme goal and on Ghana country level)



In selected rural regions, innovations in the agriculture and food sector have improved smallholder incomes, employment and regional food supply









# Our indicators to be achieved (until 2021) – logical sequence

- 1
- **Productivity** of smallholder farm businesses in the selected two VCs has increased by 30% (maize) and by 25% (rice)
- Income in 75,000 smallholder farm businesses supported (2/3 maize, 1/3 rice) has increased by an average of 30% (maize) and 25% (rice) from the sale of produces from the maize and rice VCs
- The portion of the supported smallholder households that have a moderate or high risk of malnutrition has decreased by 15% (according to the Food Insecurity Experience Scale (FIES) of the Food and Agriculture Organization (FAO)

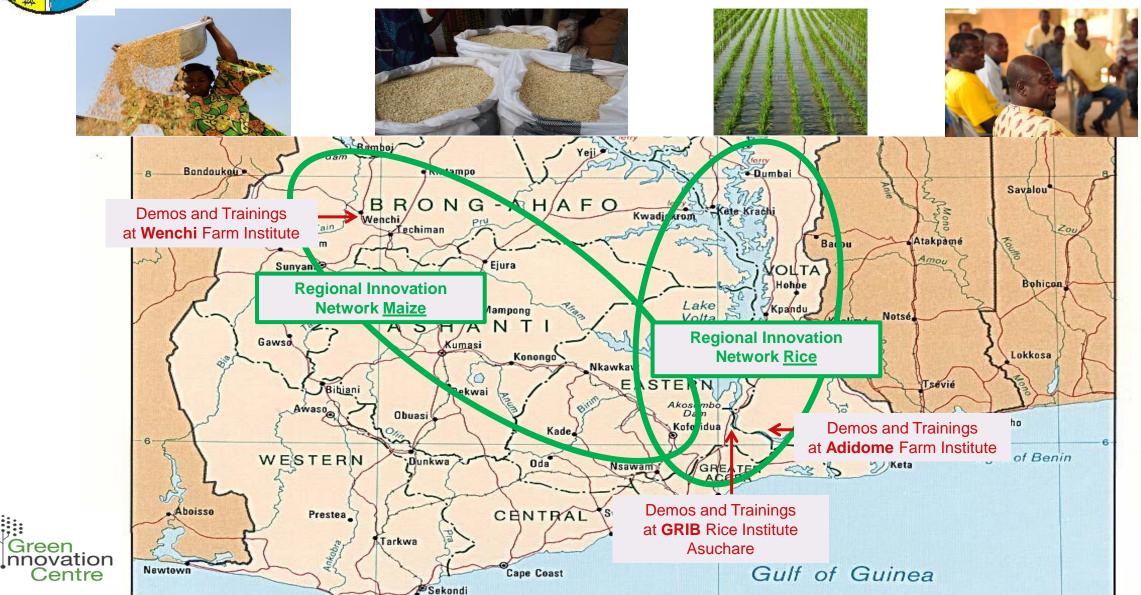
- Annual revenue from the sale of products in the supported upstream and downstream businesses in both VCs has increased by 25%
- 1,000 new **jobs** in upstream and downstream businesses in the two VCs, at least 20% of these jobs going to young people and 35% to women







#### **Value Chains Maize and Rice**











### **Implementation Network**

#### GoG / MoFA

- MoFA HQ Directorates
- MoFA Regional and District Offices
- Farmer Training Centers
- Research institutes of the CSIR
- Others as necessary

#### GIZ

- MOAP
- Competitive African Rice Initiative (CARI)
- Sustainable Smallholder Agribusiness Project (SSAB)
- Renewable Energy Project
- Innovation Centers in other countries

#### Ghanaian NGOs

- The Hunger Project
  - GRIE
  - GGC
  - GLDB

### International Organizations

- IFPRI
- AfricaRice
- **IITA**

#### Foreign Organizations

- German Rural Women Ass.
- Physical Technical Agency
- Israel Development Service









### **Ongoing Activities**

- Training of farmers to raise productivity and improve quality
- Improve input provision and market linkages
- Upgrading Adidome and Wenchi FTCs
- Conducting soil tests and giving fertilizer recommendations
- Organizing exposure visits to seminars and fairs abroad
- Distributing, testing, stimulating and organizing innovations
- Promoting smallholder mechanization (training, organization, business...)

• .... preparation for a number of planned activities...



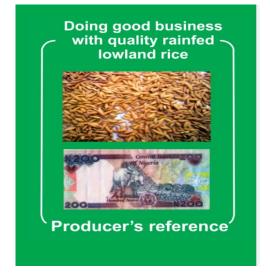


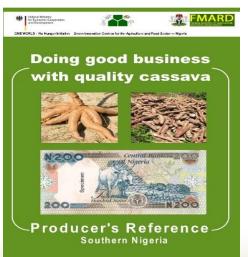


## **Good Agricultural Practice training**





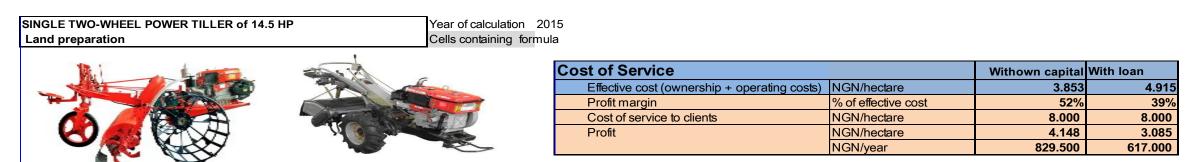








### Business models and financial analysis for mechanization





		Financing with own	Financing
Cost of Service		capital	with loan
Effective cost (without profit)	NGN/hour	943	1.443
Expected profit margin	% of effective cost	69%	52%
Cost of Service to clients	NGN/hour	3.000	3.000
Profit	NGN/hour	2.058	1.558
	NGN/ year	823.000	623.000









## **Figures**

 Project Budget 2015-2021:
 EUR 10.5 Mio

 Planned extension 2022
 EUR 2.5 Mo

 Total 2015 – 2022
 EUR 13.0 Mio.

Training participants in 2016	<u>Total</u>	<u> 14,472</u>
	Women	5,348
	Men	9,124
	Maize	12,241
	Rice	3,339
Demonstration plots installed	Maize	40
•	Rice	20













### **Planning**

- Implementation of GAP and SRI training through 90 District AEAs
- Conducting trainings for students, farmers and enterpreneurs in FTCs and Colleges
- Implementation of community storage systems through GGC and Rotary Club
- Testing mechanisation service through GRIB business center
- Refurbishing cold story facilities for seeds of GLDB
- Farmer Business Schools: enhancing business-mindedness
- SME Loop: Support existing up- and downstream enterprises
- Business incubation for start-up service provider
- Designing warehouse receipt system around emerging maize market center
- Parboiling testing and demonstrating with WIAD— market awareness campaign by GRIB
- Nutrition education through the German Rural Women Association
- International experience exchange and exposure program
- PPPs with Ghanaian and foreign firms









## Implementation of GAP and SRI training through 90 District AEAs

Each AEA will train 6 different groups of 25 participants each during the year 2017.

#### Training modules Maize

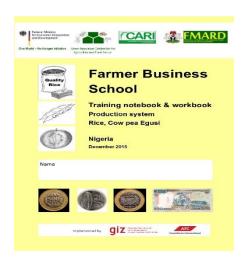
- 1. Farming as a business
- 2. Climate Smart Agriculture/Conservation Agriculture
- 3. GAPs under maize production
- 3.1. Variety selection, land preparation and seeding
- 3.2. Weed control and fertilizer management
- 3.3. Disease and pest control
- 4. Harvesting post-harvest handling and marketing Module 4.1. Harvesting and drying Module 4.2. Storing and marketing

#### Training modules Rice

- 1. Farming as a business
- 2. SRI and principles of SRI / GAPs
- 3. Seed selection and land preparation
- 4. Nursery preparation and transplanting/ direct seeding
- 5. Weed control and fertilizer management
- 6. Disease and pest control Module 7. Harvesting, post-harvest handling and marketing

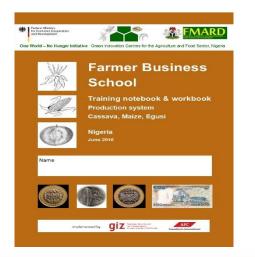


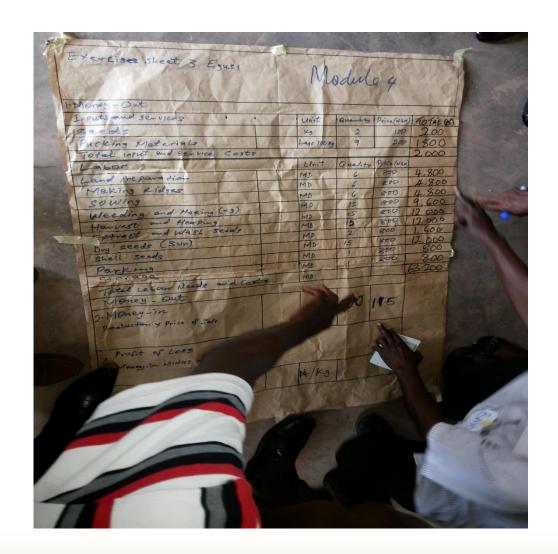
### **Farmer Business School**







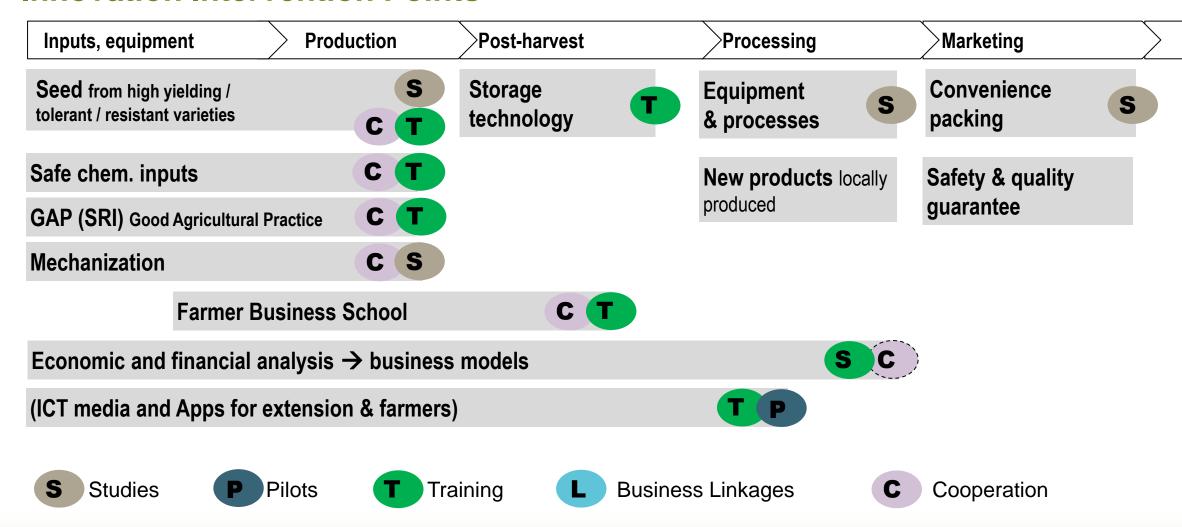








### **Innovation Intervention Points**











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## Thank you for your attention







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