



# CARD

## **Coalition for African Rice Development (CARD) Phase 2**



# Coalition for African Rice Development

## *9<sup>th</sup> General Meeting*

– Rice value chain development through engagement of private sector –

Sofitel Abidjan Hotel Ivoire, Côte d'Ivoire

4th to 6th July 2023



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# Announcement from the Secretariat

1. Interpretation is available between English, French and Portuguese. Please use the earphone on the table in front of you.
2. Meeting documents, including all presentation slides, are electronically available from [this link](#) (no hard copies are distributed).
3. A table microphone is to be shared by two persons. For the rear seats, staff is on standby to provide a wireless microphone.
4. Time Management – Observe given time. Wind up when you hear a ring
5. Video Recording of the Presentation – Declare public / private access
6. WhatsApp – FP, SC, SSC members use app in a parallel manner
7. Others

# ANNOUNCEMENT ABOUT CO-CHAIRS



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# Co-Chairs

## *Day 1*



**Dr. Baboucarr Manneh**  
Director General, AfricaRice



**Mr. Christian Kouamé Bi,**  
Director of Production Support, ADERIZ, Côte d'Ivoire

## *Day 2*



**Mr. Shinjiro Amameishi**  
Deputy Director General, Economic Development Department, JICA



**Ms. Vestine Nyandwi**  
Director General of Agriculture, Ministry of Environment, Agriculture, and Livestock, Burundi



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# OPENING CEREMONY

MC: Dr. Baboucarr Manneh, AfricaRice



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**AGGIE KONDE  
VICE PRESIDENT,  
PROGRAM INNOVATION & DELIVERY  
AGRA**



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**H.E. KATSUYA IKKATAI  
AMBASSADEUR EXTRAORDINAIRE ET  
PLÉNIPOTENTIAIRE DU JAPON  
EN CÔTE D'IVOIRE  
AU TOGO  
AU NIGER**



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**HON. KOBENAN KOUASSI ADJOUMANI  
MINISTÈRE D'ÉTAT,  
MINISTÈRE DE L'AGRICULTURE ET DU  
DÉVELOPPEMENT RURAL**



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# GROUP PHOTO & COFFEE BREAK

**09:45 – 10:15**



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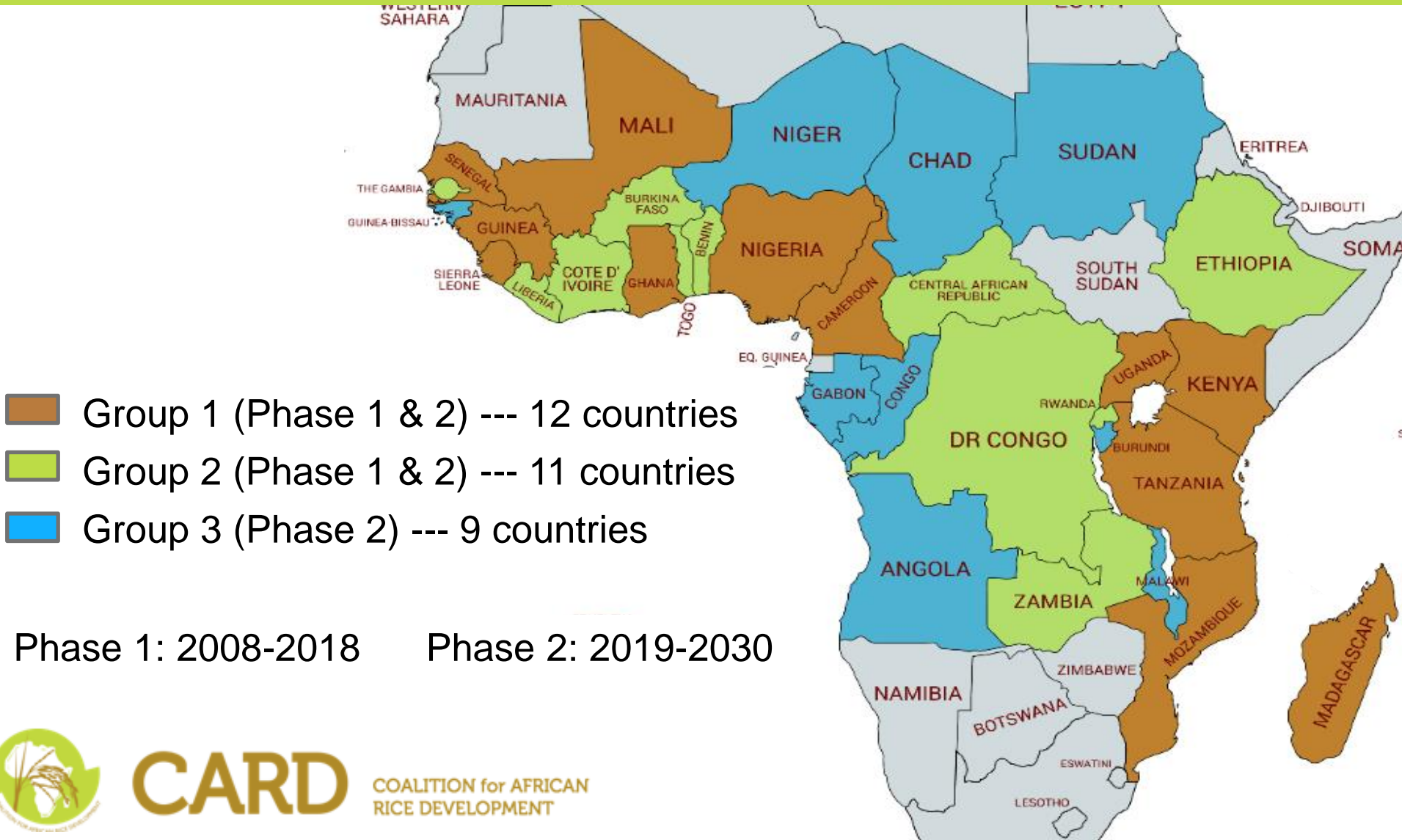
# INTRODUCTION OF MEMBERS/PARTNERS



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# Member countries



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# Supporting partners (Steering Committee members)

## 5 RECs



## 14 Development Partners



# Supporting partners (South-south cooperation partners)

## 6 SSC partners



Brazil



Egypt



Indonesia



Philippines



Thailand



Vietnam



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# APPROVAL OF AGENDA



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# Expected outcomes of GM9

1. Knowledge of stakeholders on the progress of NRDS2-related activities at the country level since the onset of phase 2 improved
2. Stakeholders' understanding on the regional integration of rice sector development strengthened
3. Understanding among stakeholders on the CARD's M&E framework at continental, regional and country levels enhanced
4. Knowledge of stakeholders on the importance of "Industrialization pillar" of the RICE approach in addressing the continent's food security issue improved





Day 1  
Tuesday  
4<sup>th</sup> July 2023

Co-chairs

Morning:  
AfricaRice

Afternoon:  
Côte d'Ivoire

Time	Item	Presenter
08:30-08:55	Registration	
08:55-09:00	Announcement about co-chairs	
09:00-09:45	<b>Opening Ceremony</b> - Welcome remarks by co-Chair (5 min.) Minute of silence for Mr. Affo, former FP, Benin - Remarks by Director of CARD Secretariat (7 min.) - Remarks by H.E. Japanese Ambassador (10 min.) - Opening Remarks by Hon. Minister of Agriculture and Rural Development of Côte d'Ivoire (10 min.)	AfricaRice  AGRA Embassy of Japan MEMINADER
09:45-10:15	(Photo session) Coffee break	
10:15-10:20	Approval of agenda	Co-chair
10:20-10:50	<b>Agenda 1:</b> Report of the previous General Meeting Progress of CARD Phase 2	CARD Secretariat
10:50-12:45	<b>Agenda 2:</b> Updates of NRDS formulation/implementation (7 min. each)	Angola, Benin, Burkina Faso, Burundi, Central Africa, Chad, Congo Rep., Côte d'Ivoire, DR Congo, Gabon, The Gambia, Ghana
12:45-13:45	Lunch	
13:45-14:55	<b>Agenda 2:</b> Updates of NRDS formulation/implementation (7 min. each) (continued)	Guinea, Guinea-Bissau, Liberia, Madagascar, Malawi, Mali, Niger
14:55-15:45	<b>Agenda 3:</b> Research on Productivity Improvement	JICA Research Institute
15:45-17:55	<b>Agenda 2:</b> Updates of NRDS formulation/implementation (7 min. each) (continued)	Nigeria, Rwanda, Senegal, Sierra Leone, Sudan, Uganda, Zambia
17:55-18:00	Wrap-up of the day	Country co-chair
18:00-19:00	Welcome cocktail	

**Day 2**  
**Wednesday**  
**5<sup>th</sup> July 2023**

**Co-chairs**

**Morning:**  
**JICA**

**Afternoon:**  
**Burundi**

Time	Item	Presenter
08:30-09:00	Registration	
09:00-10:45	<b>Agenda 4:</b> Coordination through CARD initiative - Updates of assistance by CARD supporting partners (5 min.) - Rice Flagship Program (15 min.) - Policy support for industrialization of rice sector (15 min.) - Extending Seed Without Border to Africa (15 min.) - Opportunities after Dakar2 (Project implementation through NRDS, ECOWAS Rice offensive, EAC Rice Development Strategy etc.) (20 min.)	CARD Secretariat AGRA FAO IRRI AfDB
10:45-11:15	Coffee break	
11:15-12:15	<b>Agenda 5:</b> Good practices for Industrialization of the rice sector through Private sector engagement (10 min. each)	Cameroon, Ethiopia, Kenya, Mozambique
12:15-13:15	<b>Agenda 6:</b> Collaboration with Private sector players - Post-harvest management through industrialization (1) (10 min.) - Post-harvest management through industrialization (2) (10 min.) - Case of Cambodia (20 min.)	AfricaRice PRORIL2 (JICA/ADERIZ) IFC
13:15-14:15	Lunch	
14:15-15:30	<b>Agenda 7:</b> Progress with RRDS through RECs - Progress in CARD support for formulation/implementation of RRDS (5 min.) - EAC Rice Development Strategy Action Plan (15 min.) - Progress of regional Rice Strategy formulation (15 min.) - National Chapter under ECOWAS Rice Observatory (15 min.)	CARD Secretariat EAC SADC ECOWAS
15:30-16:15	<b>Agenda 8:</b> Progress of NRDS M&E - CARD M&E Framework and baseline studies (15 min.) - Progress in NRDS2 M&E (10 min. each)	CARD Secretariat Tanzania, Togo
16:15-16:30	<b>Agenda 9:</b> Way Forward	CARD Secretariat
16:30-16:50	Coffee break	
16:50-17:10	Co-chair's summary	

Day 3  
Thursday  
6<sup>th</sup> July 2023

Site Visits

**AfricaRice**

Time	Item
09:00-09:30	Travel from hotels to AfricaRice's headquarters s by bus
09:30-11:00	<b>Presentations by AfricaRice scientists</b> AfricaRice's post-harvest and grain quality study achievements and impacts
11:00-11:30	Coffee break
11:30-12:30	<b>Sharing business experiences of woman groups in Bouaké, Côte d'Ivoire</b> who have adopted AfricaRice's parboiling systems 1. Watching videos 2. Communications with the representatives of the woman groups
12:30-14:00	Lunch at AfricaRice (catering by restaurant)
14:00-17:00	Visit to large-scale millers in Yopougon, Abidjan
17:00-17:30	Travel from Yopougon back to hotels

**PRORIL2 (JICA/ADERIZ)**

Time	Item
07:00-10:30	Travel from hotels to Yamoussoukro by bus
10:30-11:00	Presentation on the project activities at the PRORIL2 office
11:30-12:30	Demonstrations (20 min. each): 1. LABORIZ 2. Color sorter demonstration by Satake 3. Dryer & Machines
12:30-13:30	Lunch (at the project office)
13:30-15:00	Site visit: Rice field (paddy production, seeds, mechanization, milling)
15:00-18:30	Travel from Yamoussoukro back to hotels in Abidjan

# AGENDA APPROVED



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**AGENDA 1**  
**REPORT OF THE PREVIOUS GENERAL MEETING**  
**PROGRESS OF CARD PHASE 2**



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# Contents

1. Overview of CARD Initiative
2. Report of the 8<sup>th</sup> General Meeting
3. Progress to date in Phase 2
  - 3-1. Progress in figures
  - 3-2. SC meetings
  - 3-3. Support for formulation/revision of NRDS
  - 3-4. Support for implementation and M&E of NRDS
  - 3-5. Support to RECs



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# Before that...



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# New General Coordinator of the CARD Secretariat: Ken Fujie

- Joined JICA (Japan International Cooperation Agency) in 1990
- Field experiences in Kenya (1994-97, 2006-09, 2023-), Nigeria (2009-11), Tanzania (2015-18 EAC Secretariat), US (1999-2002 USAID)
- Area: Industrial Development, Trade & Investment



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# Please help!

- I want to hear from you
- Sticky notes
  - 1) What is your rice dream?
  - 2) What can we do to achieve the target?
  - 3) How can the Secretariat serve you better?



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# For example..

## 1) Ken's Rice Dream

To make Africa the biggest exporter of Rice

## 2) What can we do to achieve the target?

To hold the RICE Head of the States

## 3) Better service

To bring ICT technology



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# What is CARD?

- Established in 2008 by AGRA, JICA and NEPAD, following 2007/08 food price crisis
- Consultative group of 32 member countries in Sub-Saharan Africa, 5 Regional Economic Communities (RECs), and 14 development partners
- Supports formulation, implementation, monitoring & evaluation, and revision of **National Rice Development Strategies (NRDS)** and **Regional Rice Development Strategies (RRDS)**
- Entered Phase 2 in 2019, after achieving the target in Phase 1 of doubling annual rice production from 14 million tons in 2008 to 28 million tons in 2018
- Aims to further double rice production to 56 million tons by 2030



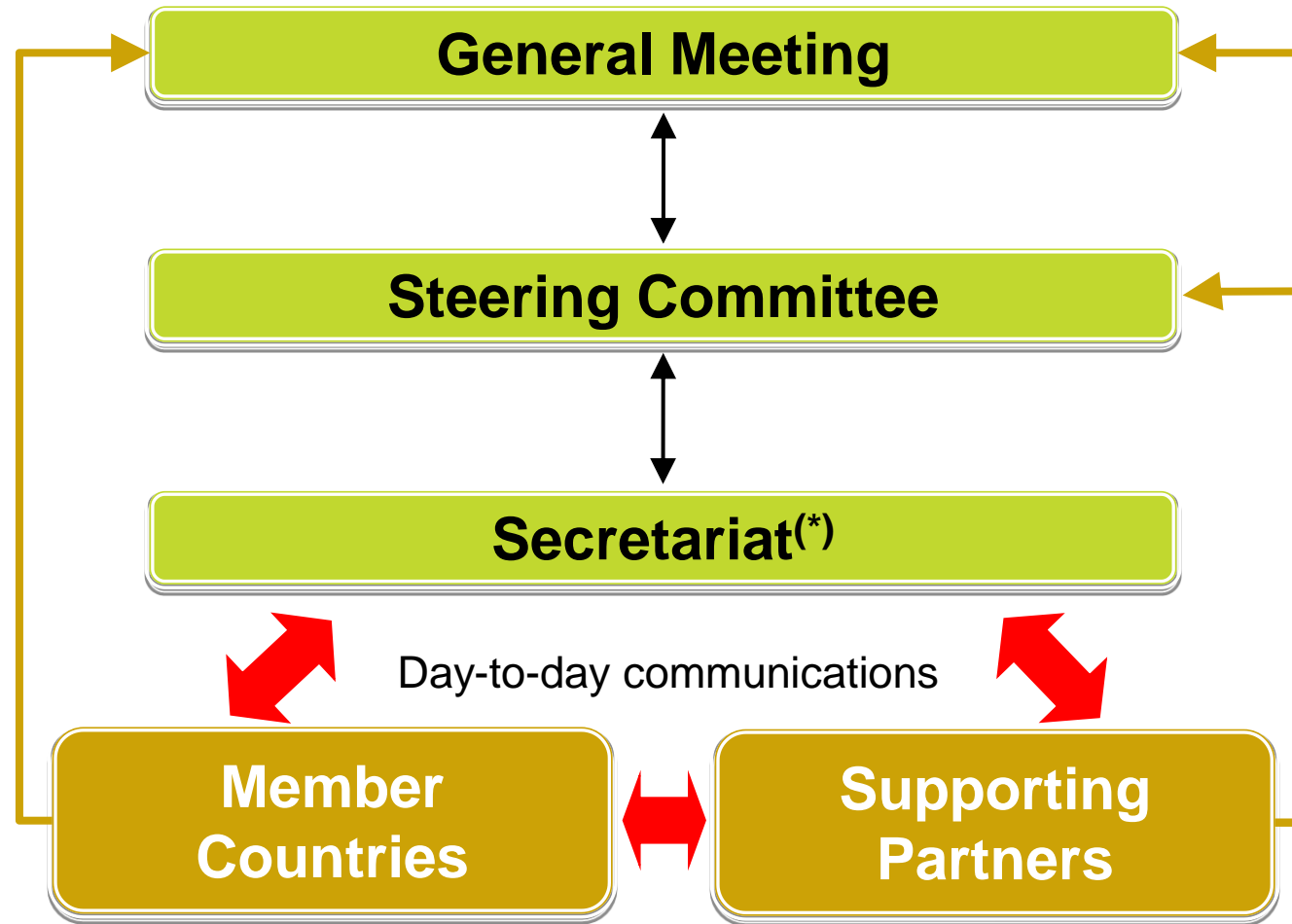
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# Operational structure

## General Meeting (GM)

- Decision making body
- Once every two years (in principle)
- Attended by representatives of member countries and supporting partners
- You are now participating in GM9!



## Steering Committee Meeting (SC)

- Consultative body
- Once a year (in principle)
- Attended by representatives of supporting partners
- SC19 was held just yesterday.



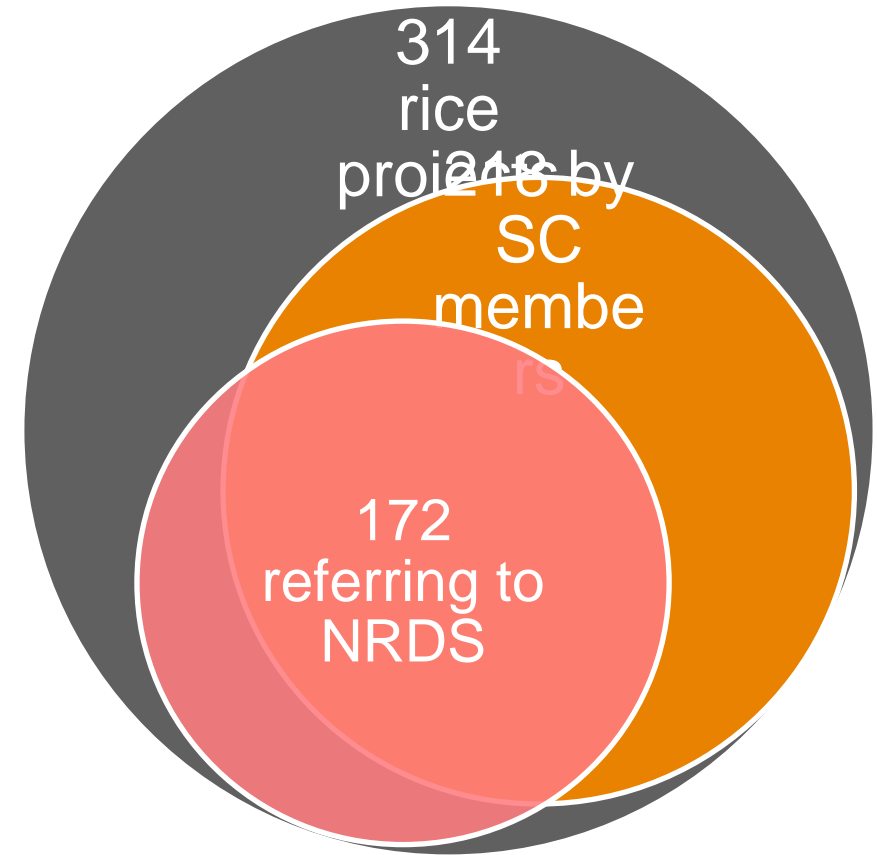
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(\*)Secretariat is hosted in AGRA's HQs in Nairobi, Kenya.

# Achievement in Phase 1 (2008-2018)

- 314 rice-related projects were formed/implemented in the 23 CARD member countries in Phase 1, the total investment of which amounts to USD 10.8 bn.
- Out of 314, **218 projects** are by the CARD SC members and the governments self financing, to the tune of **USD 8.5 bn**.
- 172 projects (55% of total) make reference to the NRDS in their project documents.



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Source: Information collected by CARD Secretariat

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# GM8 Highlights

Dates: 6-7 October 2021

Venue: Hybrid (Zoom + Country venues)

Participants: > 230 rice stakeholders (NRDS FPs, SC members, SSC partners, guest speakers, etc.)



- Secretariat reported doubling rice production in Phase 1 was achieved mainly by increase in area under cultivation
- Secretariat reported 16 member countries had formulated NRDS for Phase 2
- ECOWAS reported establishing its Rice Observatory; EAC reported having started formulation of its Regional Rice Strategy
- New M&E framework was discussed and approved
- Panel discussions were held on (1) implications of RRDS and (2) prospects of industrialization of the rice value chain
- AATF was approved to join SC members



# GM8 Way forward

## Country level

- Continue supporting member countries for NRDS2 formulation and implementation

## Regional level

- Support ECOWAS Rice Observatory for implementation of Regional Action Plan
- Support EAC for formulation of EAC Rice Development Strategy
- Support COMESA, ECCAS, and SADC for formulation of regional rice strategy, with additional financial support from SC members

## M&E framework

- Finetune the M&E framework and start supporting member countries for setting the baseline and target figures and organizing Annual Rice Sector Review Meeting



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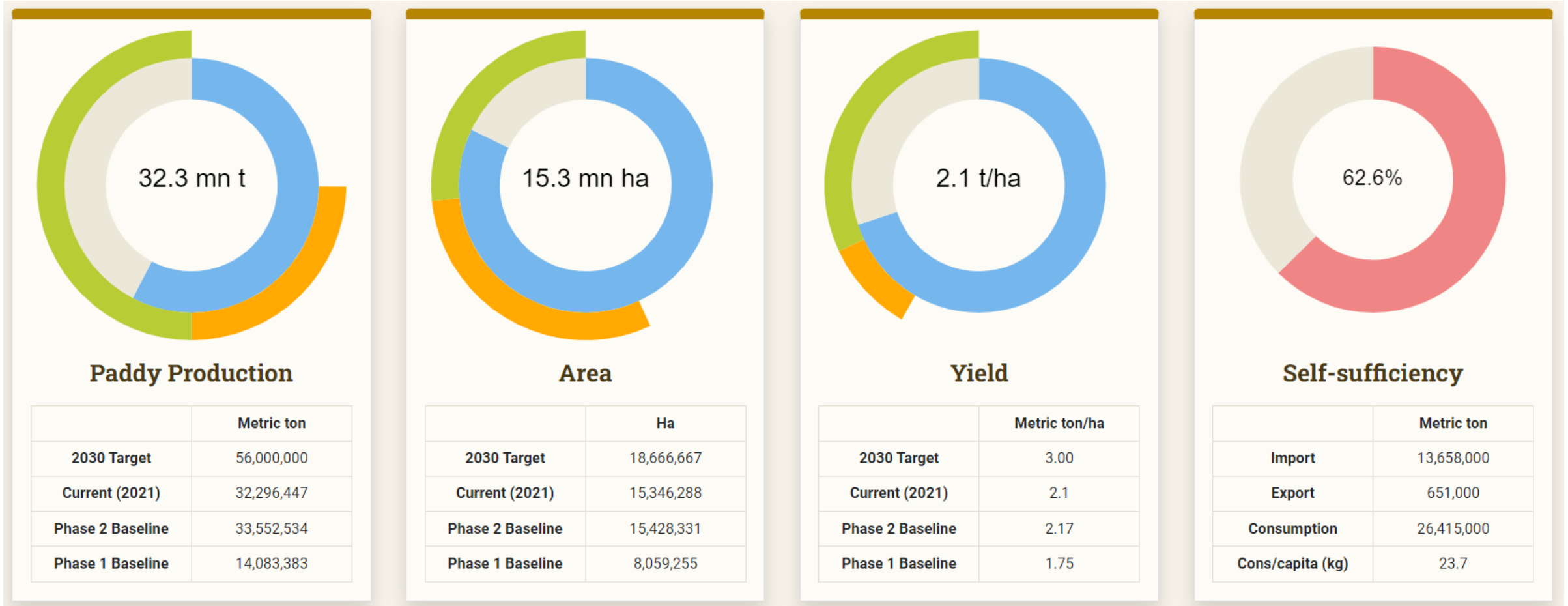
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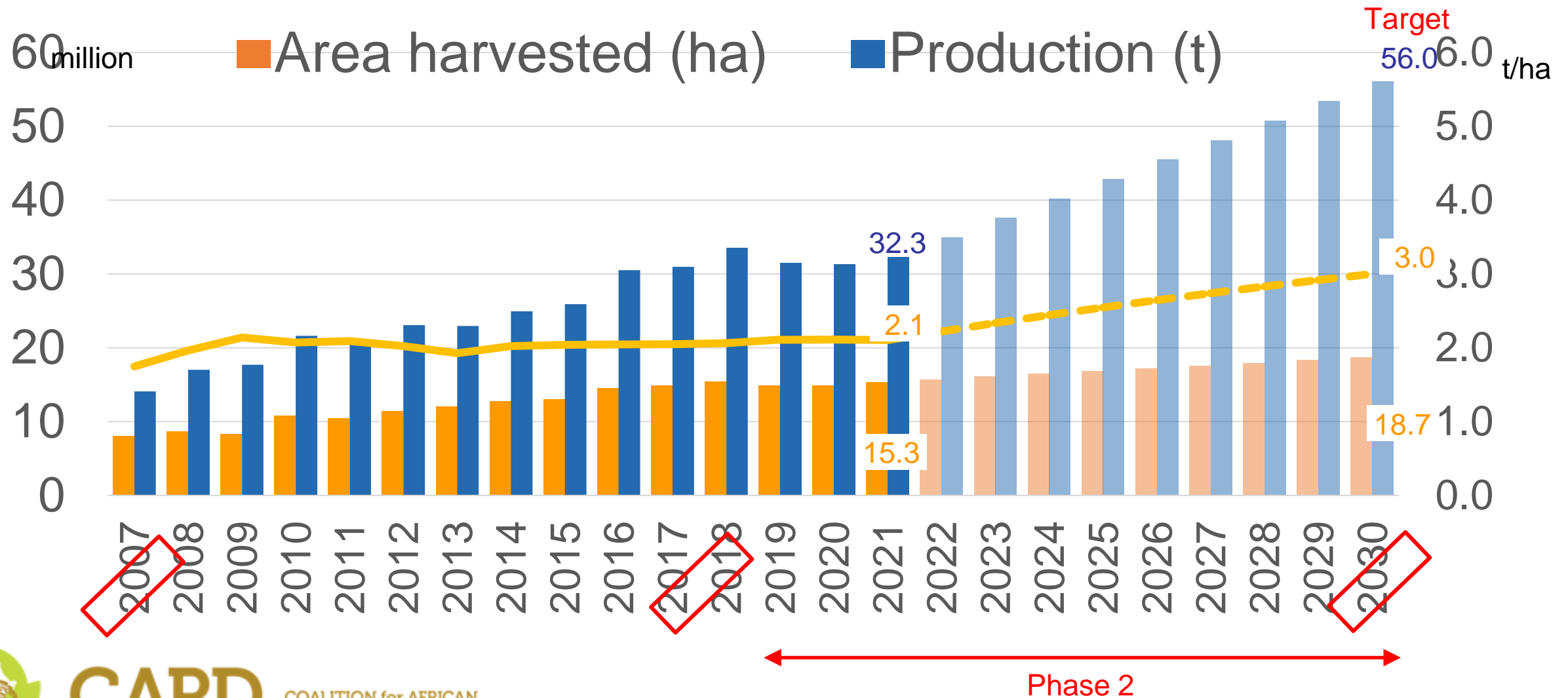
# Progress Monitoring (rice statistics)



■ Current situation
 ■ Increase during Phase 1
 ■ Target increase during Phase 2

Source: Calculated using data from FAOSTAT. Not only 32 CARD member countries but all Sub-Saharan African countries are included. Data from Food Balance Sheet are converted from paddy to milled rice equivalent, using the rate of 0.667, which is also used by FAOSTAT. Consumption refers to the element "Food" in Food Balance Sheet.

# Production, area harvested, and yield of paddy rice in Sub-Saharan Africa



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Phase 2

Source: FAOSTAT

# TICAD8 Side Event: Rice Development for Green Revolution in Africa through CARD Phase 2

Date: 22 August 2022

Co-organizers: JICA & AGRA

Venue: Virtually held

Audience: 445 persons

- Speeches were made by Presidents of Madagascar, JICA, AfDB, AGRA (Director of CARD Secretariat) and Professor of Kobe University
- The speakers and panelists shared their activities, achievement, and commitment for rice sector development in Africa
- Importance of CARD was reaffirmed as a coordinator of public, private, and academic actions at national, regional, and continental levels

## Speeches



## Panel discussion



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# SC18 Highlights

Dates: 29-30 September 2022

Venue: Julius Nyerere International Convention Center, Dar es Salaam, Tanzania

Participants: 13 SC and RECs representatives

- Participants shared updates on their rice-related activities
- Participants suggested potential M&E indicators that could be added to 12 common indicators
- Several SC member participants demonstrated their interests in financially supporting the implementation of ERDS as well as the operation of CARD Secretariat



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# SC18 Way Forward

## Country level

- Continue support for the formulation of NRDS2 in the remaining 12 countries
- Continue support for the implementation of NRDS2

## Regional level

- Continue support to ECOWAS and EAC for their Regional Strategy implementation
- Support SADC for its Regional Strategy formulation

## M&E framework

- Continue to support member countries for conducting the M&E Baseline study
- Support the organization of Annual Rice Sector Review Meetings at the country and regional levels where possible



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# SC19 Highlights

Date: 3 July 2023

Venue: Sofitel Abidjan Hotel Ivoire

Participants: SC and RECs representatives

*...(To be completed after SC19)*



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# Progress of NRDS2 formulation process

G1 Country	WW1	WW2	WW3
Cameroon	Validated		
Ghana	Validated		
Guinea	→	→	→ 
Kenya	Validated		
Madagascar	Validated		
Mali	(-2025)		
Mozambique	Validated		
Nigeria	Validated		
Senegal	Validated		
Sierra Leone	Validated		
Tanzania	Validated		
Uganda	Validated		

G2 Country	WW1	WW2	WW3
Benin	Validated		
Burkina Faso	Validated		
Côte d'Ivoire	→	→	→ 
CAR	(-2025)		
DR Congo	Validated		
Ethiopia	Validated		
The Gambia	Validated		
Liberia	Validated		
Rwanda	Validated		
Togo	Validated		
Zambia	Validated		

G3 Country	WW1	WW2	WW3
Angola			
Burundi	→	→	→ 
Chad	→	→	→ 
Congo	Validated		
Gabon	→	→	
Guinea Bissau	(-2025)		
Malawi	→	→	→ 
Niger	Validated		
Sudan	Validated		

25 countries have NRDS2  
 5 countries almost done  
 2 countries working on it

# National Rice Development Strategy 2 (NRDS2) Formulation progress



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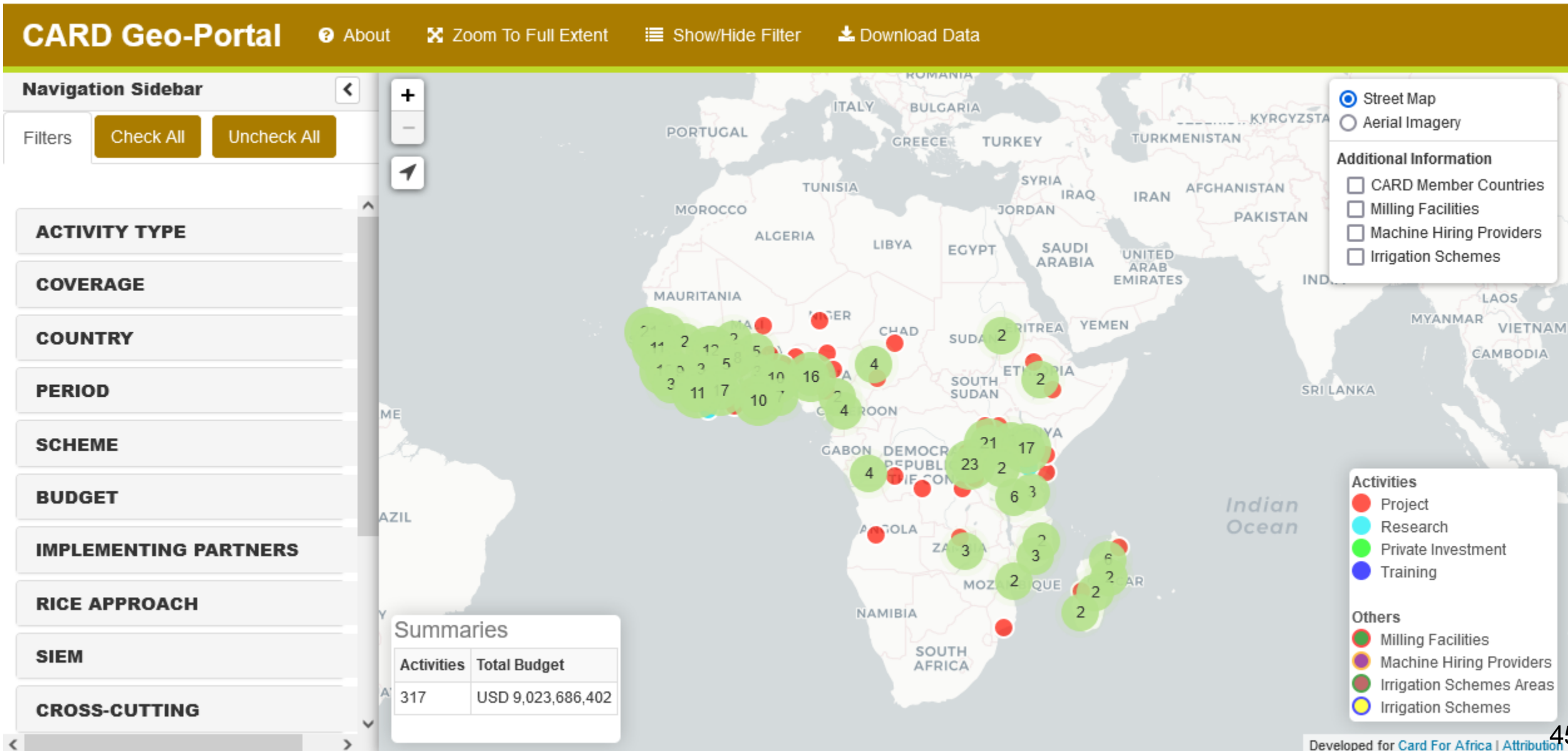
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# Tracking rice related projects on CARD website





# On going activities (country page)

## Activities in Burkina Faso

[View map in full screen mode](#)

### CARD Geo-Portal

[About](#)

[Zoom To Full Extent](#)

[Show/Hide Filter](#)

[Download Data](#)

#### Navigation Sidebar

Filters

Check All

Uncheck All

#### ACTIVITY TYPE

#### COVERAGE

#### COUNTRY

#### PERIOD

#### SCHEME

#### BUDGET

#### IMPLEMENTING PARTNERS

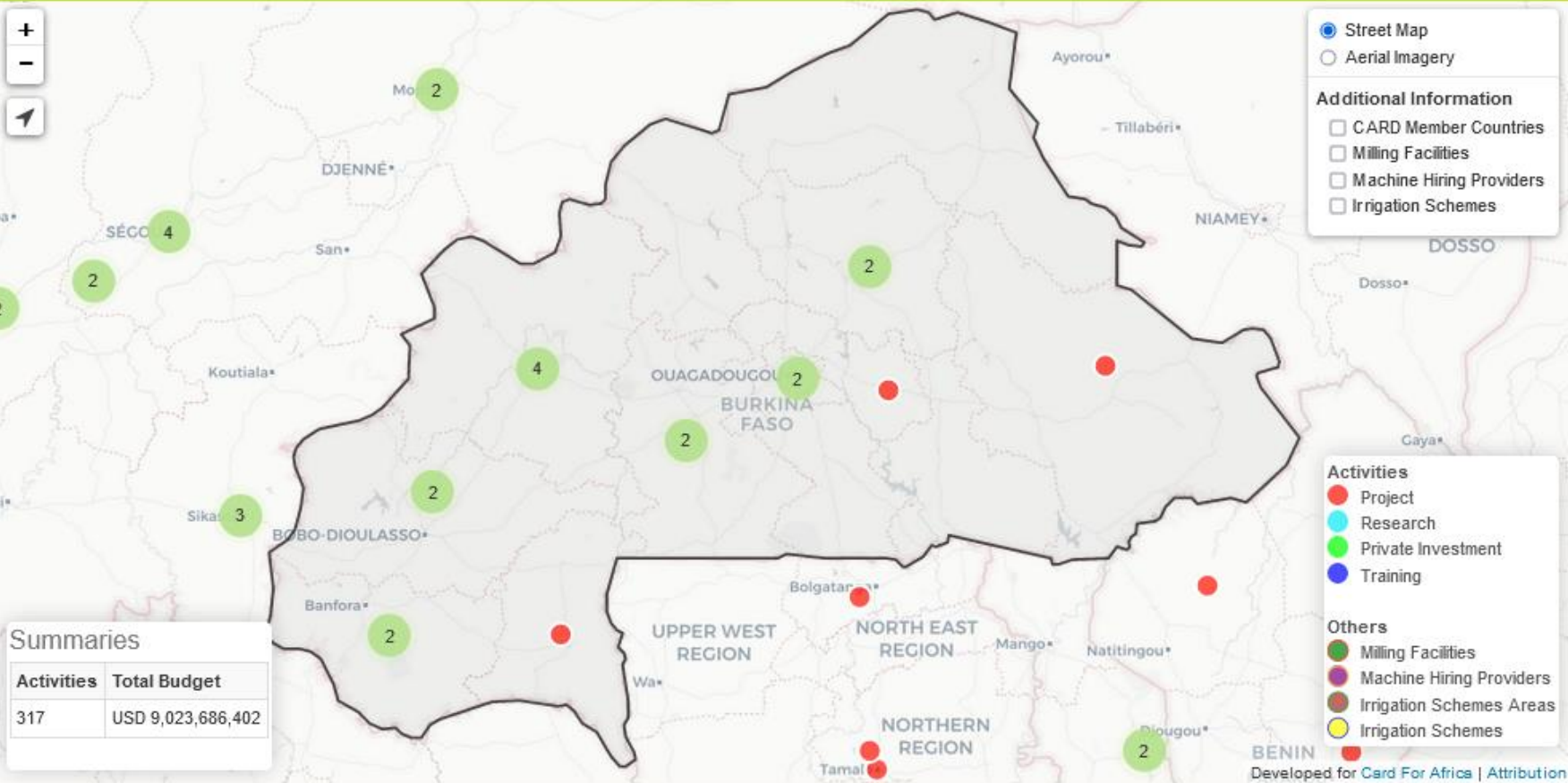
#### RICE APPROACH

#### SIEM

#### CROSS-CUTTING

#### Summaries

Activities	Total Budget
317	USD 9,023,686,402



Street Map  
 Aerial Imagery

**Additional Information**

CARD Member Countries  
 Milling Facilities  
 Machine Hiring Providers  
 Irrigation Schemes

**Activities**

- Project
- Research
- Private Investment
- Training

**Others**

- Milling Facilities
- Machine Hiring Providers
- Irrigation Schemes Areas
- Irrigation Schemes

# Strategies and Concept Notes (country page)

## Strategy in Burkina Faso

NRDS 1	NRDS 2	RSDS	Mechanization Strategy
 <p>2012 - 2018 (English) 2012 - 2018 (French)</p>	 <p>2021 - 2030 (French)</p>	 <p>2016 - 2020 (French)</p>	 <p>2016 - 2025 (French)</p>

## Investment Opportunities in Burkina Faso

NRDS2-CN's Summary	NRDS2-CN1	NRDS2-CN2	NRDS2-CN3	NRDS2-CN4	NRDS2-CN5
 <p><a href="#">PDF</a></p>	 <p><a href="#">PDF</a></p>	 <p><a href="#">PDF</a></p>	 <p><a href="#">PDF</a></p>	 <p><a href="#">PDF</a></p>	 <p><a href="#">PDF</a></p>

- NRDS2-CN1: Projet d'intensification des systèmes de production rizicole
- NRDS2-CN2: Projet Mecanisation Des Operations de production, de recolte et de post-recolte du riz (PM/OPR)
- NRDS2-CN3: Projet d'Appui à la transformation du riz du Burkina
- NRDS2-CN4: Projet d'amélioration de la compétitivité du riz du Burkina
- NRDS2-CN5: Projet de renforcement de la recherche-action sur la chaine de valeur riz



# Agriculture projects with rice components in CARD member countries (commenced between 2019 and 2021) (1)

## **Benin**

Projet Programme d'appui au développement des Filières Agricoles (PROFI)

## **Burkina\_Faso**

Programme de Coopération Agricole Burkina Faso/Republique Populaire de Chine (PCA-BF/CH)

PROGRAMME DE VALORISATION DU POTENTIEL AGRO-PASTORAL DANS L'EST DU BURKINA FASO

PROGRAMME DES RISQUES AGRICOLES ET ALIMENTAIRES (PRAA)

PROJET AGRICULTURE CONTRACTUELLE ET TRANSITION ECOLOGIQUE (PACTE)

PROJET DE DEVELOPPEMENT D'INCUBATEUR D'ENTREPRENEURS DANS LES FILIERES AGRICOLES PORTEUSES

PROJET DE DEVELOPPEMENT D'INFRASTRUCTURES AGRICOLES POST RECOLTES (PDIAP)

Projet Programme d'appui au développement des Filières Agricoles (PROFI)

## **Burundi**

Private Seed Sector Development

Projet d'Appui à l'Inclusion Financière Agricole et Rurale du Burundi

Promotion des pratiques agro écologiques dans les coopératives accompagnées par ADISCO

## **Cameroon**

Aménagement et Valorisation des Investissements sur la Vallée du Logone et la Vallée de la Benoué

## **Côte\_d'Ivoire**

Projet d'Aménagement Hydro Agricole Folon Kabadougou

Projet de Promotion du Riz Local en République de Côte d'Ivoire 2

## **DR\_Congo**

Inclusive and Resilient Rural Development Support Project

## **Ethiopia**

Agricultural Growth and Transformation Advisor

# Agriculture projects with rice components in CARD member countries (commenced between 2019 and 2021) (2)

## **Ghana**

Improvement of rice value chain in Central Region

## **Guinea**

Projet d appui a la transformation de l agriculture guineenne PATAG

Projet d appui au developpement agricole du development du pole G PADAG

Projet d appui au programme national de la statistique agricole et au foncierrural

Projet de developpement de l agriculture integre guinee

Projet de développement rural integre de Gaoual-Koundara- Mali

Projet de developpement chane de valeur riz

Projet de valorisation du riz local en guinee

Projet developpement de chaine de valeur du riz

Projet pour la Promotion de la Production, de Transformation et de la Commercialisation du riz local en Basse-Guinée

Recensement nationale de agriculture et elevage(RNAE)

## **Kenya**

Capacity Development Project for Enhancement of Rice Production in Irrigation schemes in Kenya (CaDPERP)

National Value Chain Support Programme (NVSP)

Strengthening the Rice Sector in East Africa for Improved Productivity and Competitiveness of Domestic Rice

## **Liberia**

Integrated Sustainable Rice System Development

Sustaining Peace and Improving Social Cohesion through the Promotion of Rural Employment in Conflict Prone Areas

## **Madagascar**

Projet d'Appui pour l'Amélioration de la Productivité et de l'Industrialisation du secteur RIZ (PAPRIZ III)

# Agriculture projects with rice components in CARD member countries (commenced between 2019 and 2021) (3)

## **Mali**

Contrat plan Etat - ADRS-Exploitants Agricoles

Contrat plan Etat - OPIB-Producteurs

Contrat plan ODRS-Etat- Producteurs

CONTRAT PLAN ORS-ETAT-PRODUCTEURS

Support for the national small-scale irrigated agriculture program in Timbuktu and Mopti

## **Mozambique**

Agro-Industry Promotion Project in the Zambezi Valley Region - ADVZ

Rice Value Chain Intensification and Promotion Program

## **Niger**

Activités de la Maison du Paysan

Programme d'appui à la campagne pastorale

Programme de Soutien à la Campagne Agricole

Programme de Vaccination et de Déparasitage

Programme de Vulgarisation des Cultures Irriguées

Projet Conjoint de Promotion de la Cohésion Sociale entre Agriculteurs et Eleveurs

Projet d'Appui à la Petite Irrigation PAPI

Projet de Renforcement de la Résilience de l'Agriculture face aux changements Climatiques (PRRACC)

Projet Intégré pour la modernisation de l'Élevage et de l'Agriculture pour la Transformation du monde rural au Niger

## **Nigeria**

Provision of equipment and machinery for rice postharvest activities

# Agriculture projects with rice components in CARD member countries (commenced between 2019 and 2021) (4)

## **Republic\_Congo**

Etude expérimentale et recherche rizicole à Kombé, Brazzaville

Programme de développement économique et social de la République du Congo

## **Senegal**

Africarice project

Femmes, Agricultures et résilience (FAR)/ Women, agriculture, resilience

GIZ-Manobi- Africa Rice

Mieux connaître l'eau: vers un accès plus équitable et plus durable aux ressources naturelles

Ndundal suuf project

Programme d'Appui au Programme National d'Investissement dans l'Agriculture au Sénégal (PAPSEN sud)

Projet Agropole Nord/Northern Agropole

Projet de production de riz irrigué dans la vallée du fleuve Sénégal

Projet de promotion de la chaîne de valeur riz (Projet BID)

Projet De Valorisation des Eaux pour le Développement des Chaines de Valeur (PROVALE –CV)

Renforcement des capacités des producteurs pour réduire les pertes de riz après récolte et partenariat public-privé

Services de la chaîne de valeurs/ Value Chain Services

## **Sierra\_Leone**

Agricultural Value Chain Development Project (AVDP)

Regional Rice Value Chain Project (RRVCP)

Sierra Leone Agribusiness Rice Value Chain Support Project (SLARiS)

## **Tanzania**

Competitive African Rice Initiative in East Africa (CARI-EA) Project

Iringa Mitigation, Adaptation, Productivity for Climate Smart Agriculture (IMAP4CSA)

# Agriculture projects with rice components in CARD member countries (commenced between 2019 and 2021) (5)

## The\_Gambia

Regional Rice Value Chains Development Project (RRVCDP)  
Rice Value Chains Transformation Programme (RVCTP)

## Uganda

Establishment of Sustainable Model Villages  
Project for the Establishment of Irrigation System in Atari Basin Area  
Promotion of Rice Development (PRIDE II) Project II

## Zambia

Expansion of Community-Based Smallholder Irrigation Development Project (E-COBSI)  
Market-Oriented Rice Development Project (MOReDeP)

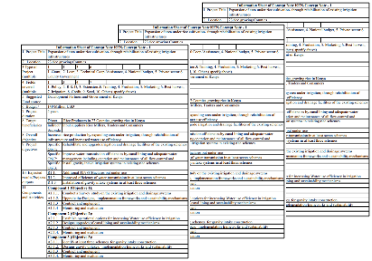
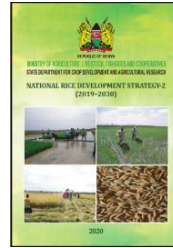
## 76 projects in 21 countries

**Note: Portion of rice components is not clear at this moment; Information on projects starting in 2022 and 2023 is yet to be collected (some of those new projects will be presented in Agenda 2 by NRDS Focal Point persons).**

# NRDS Process



Working Week



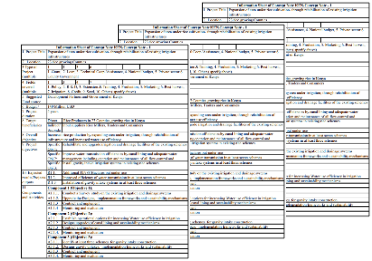
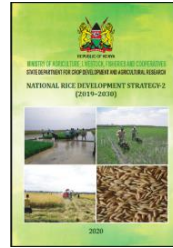
- Sub-sector/Intervention Elements Matrices (SIEM)
- Three indicators (Production quantity, area harvested, and yield)

- Government
- Depvelopment partners
- Private sector

# Challenges faced during Phase 1



Working Week

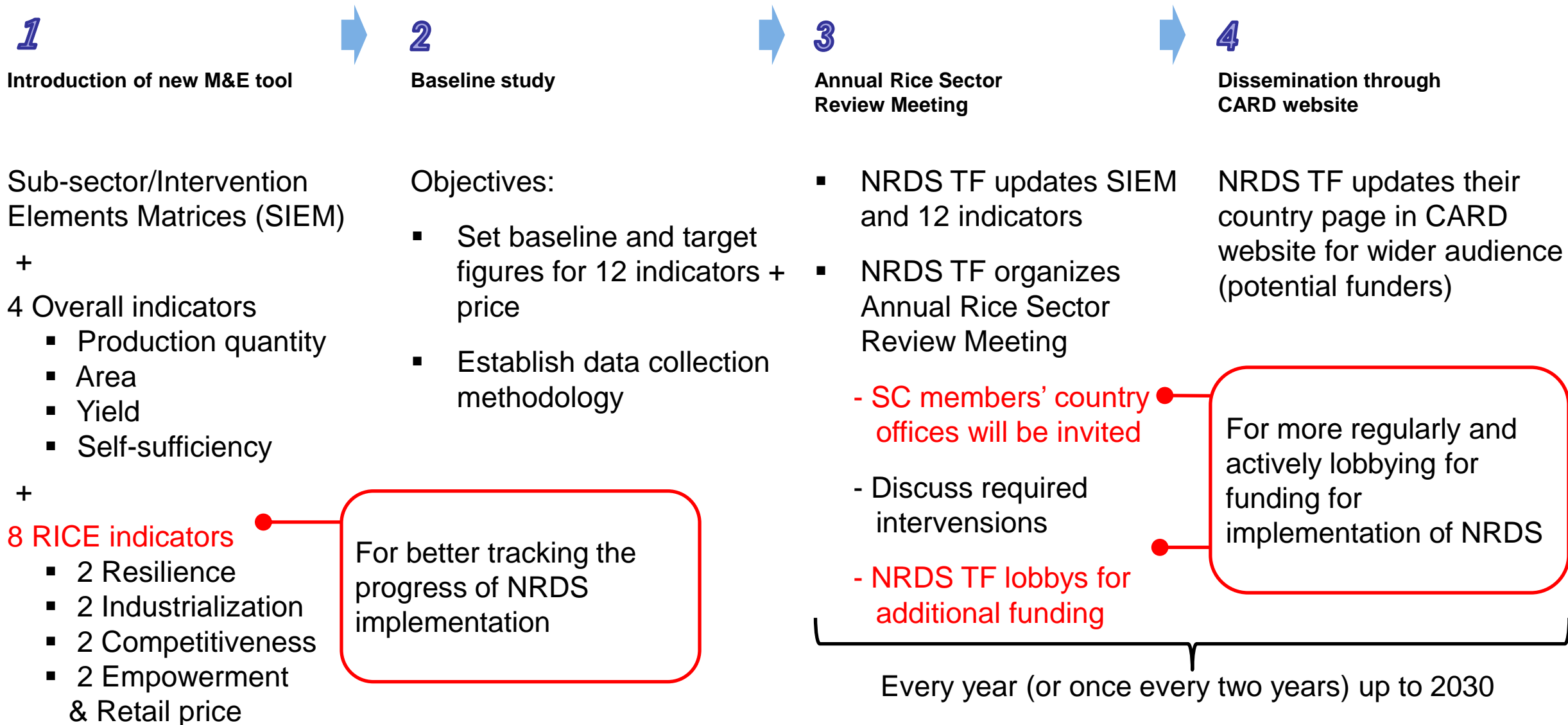


Lack of system to regularly communicate with Development Partners, including SC country offices

Three indicators (production quantity, area harvested, and yield) were not enough to effectively track the progress of NRDS implementation

Government  
Development partners  
Private sector

# Enhanced M&E framework for Phase 2 for accelerating NRDS implementation





# M&E baseline study progress

**1** Introduction of new M&E tool

**2** **Baseline study**

**3** Annual Rice Sector Review Meeting

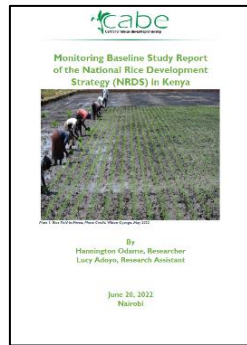
**4** Dissemination through CARD website

7 countries have completed the study  
4 countries ongoing

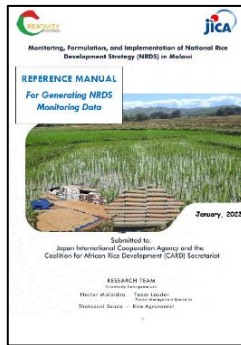
Burkina Faso



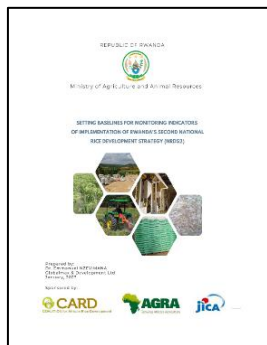
Kenya



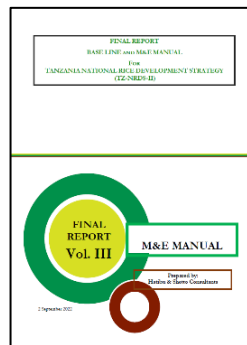
Malawi



Rwanda



Tanzania



Togo



Zambia



Extract from the procedural manual of Tanzania, describing how to collect data

### Indicator 6: Quantity of Seeds of Resilient Varieties (MT)

Level of results	Output
Responsible institutions	Tanzania Official Seed Certification Institute (TOSCI).
Definition	Quantity of seeds of locally preferred varieties with resilient characteristics, locally produced and/or imported annually.
Formula	Quantity (MT) of Seeds of Resilient Varieties = Quantity of Certified Seeds of Resilient Varieties (locally produced + imported) + Quantity of QDS of Resilient Varieties locally produced (MT).
Data collection methodology	<ol style="list-style-type: none"> <li>First step is to obtain information from the TOSCI catalogue that is published annually regarding the varieties, for which Certified and/or QDS seed was produced in the year under monitoring (See Appendix 4).</li> <li>Use the catalogue to determine which of those varieties meet the resilience characteristics.</li> <li>Extract information on the quantities of seed produced as certified, or approved as Quality Declared Seed (QDS), from Annual Reports produced by TOSCI to compliment the data from the Catalogue of Varieties.</li> <li>Fill in the Table as presented in Appendix 2 to establish a summary that can be used for NRDS-II M&amp;E.</li> <li>Validate the information with TOSCI and TARI-Ifakara, to obtain more insights on the characteristics of the rice varieties.</li> </ol>
Disaggregation needed	Disaggregation of quantity of locally produced and imported rice seeds.
Source of Data	TOSCI
Frequency	Annually – can be collected at the end of rice production season in each calendar year

# Contents

1. Overview of CARD Initiative
2. Report of the 8<sup>th</sup> General Meeting
3. Progress to date in Phase 2
  - 3-1. Progress in figures
  - 3-2. SC meetings
  - 3-3. Support for formulation/revision of NRDS
  - 3-4. Support for implementation and M&E of NRDS
  - 3-5. Support to RECs → [In Agenda 7](#)

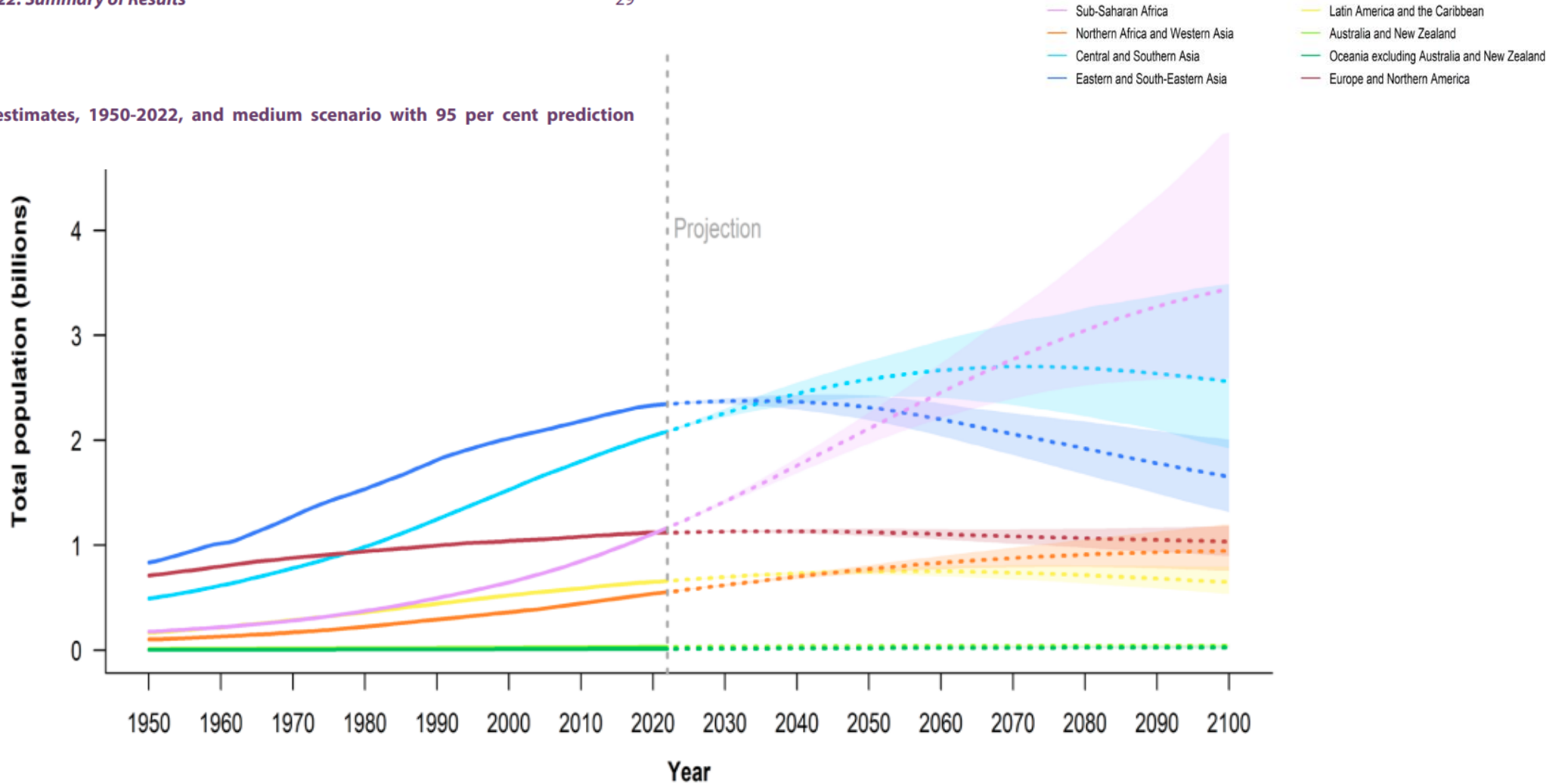


# Big Picture

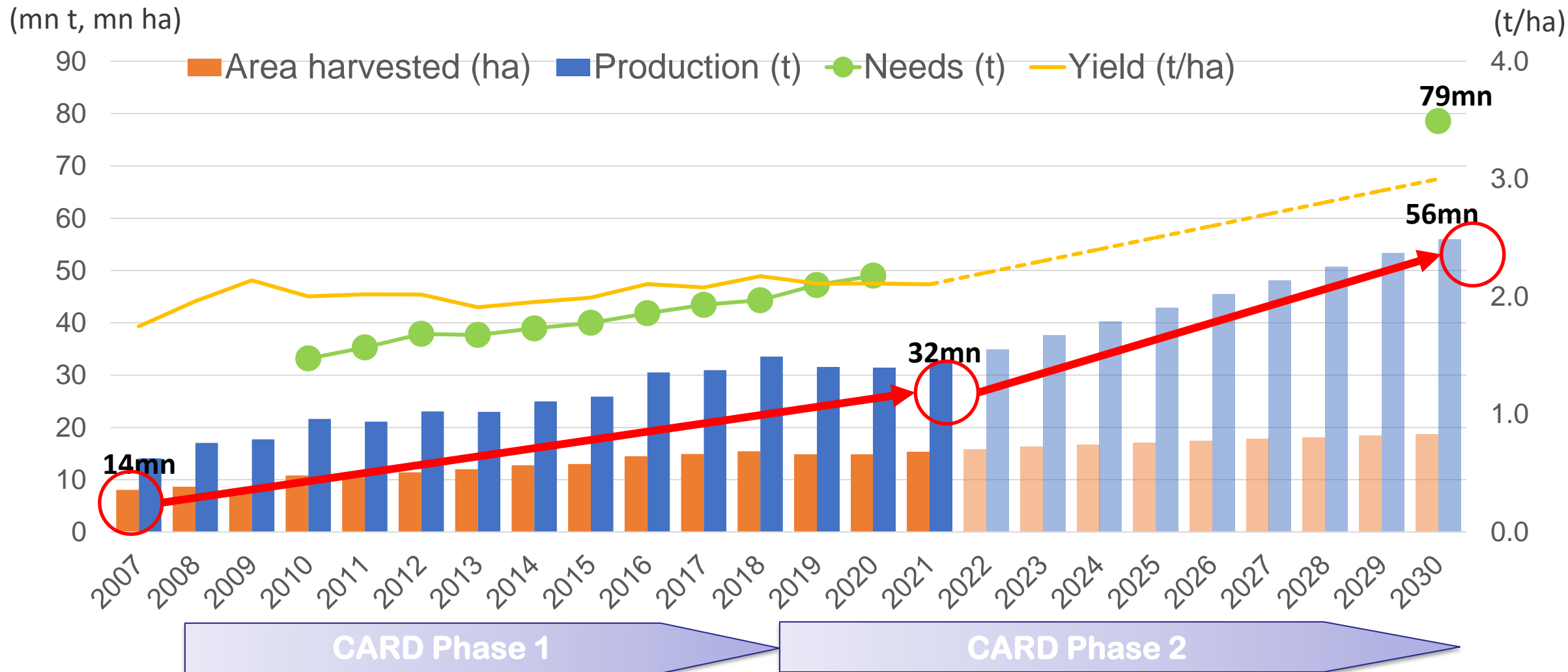
## - Population Growth in SSA -

Figure III.2

Population by SDG region: estimates, 1950-2022, and medium scenario with 95 per cent prediction intervals, 2022-2100



# Expected growth in paddy production / area harvested / yield / needs during Phase 2 (from 2022 to 2030)



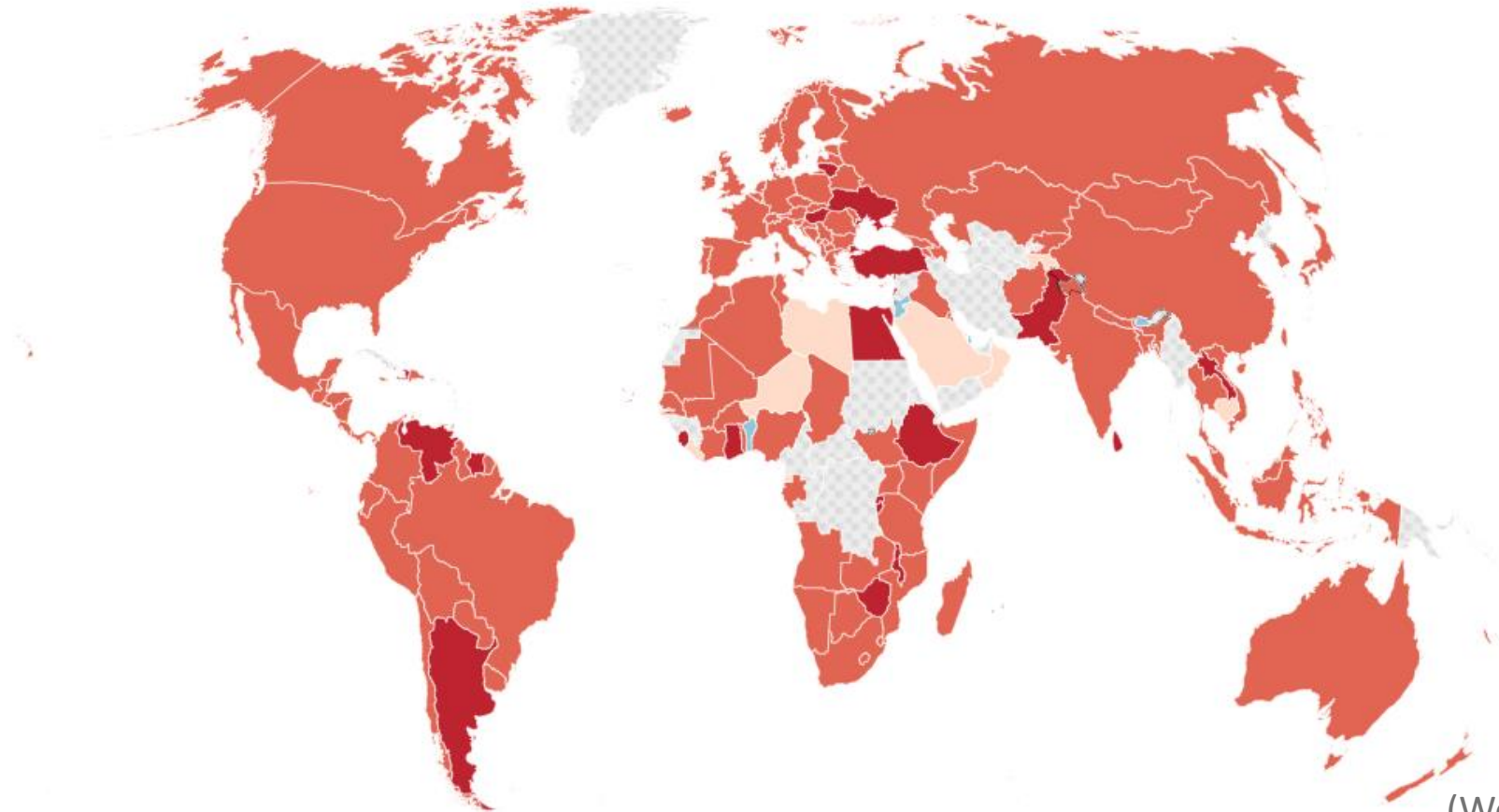
Source: 2007-2021: FAOSTAT

Notes: (1) Figures from 2007 to 2021 are for Sub-Saharan Africa, including non-CARD member countries; (2) Figures from 2022 to 2030 are projections, calculated in a way to reach the target production of 56 million metric tons, yield of 3.0 t/ha, and area harvested of 18.7 million ha in 2030, assuming a linear increasing trend during the period 2022-2030; (3) Needs from 2010 to 2020 are the figures of “Domestic supply quantity” in Food Balance Sheet of FAOSTAT; and (4) Needs in 2030 are the sum of demand projection in 32 CARD member countries (thus not for the whole Sub-Saharan Africa), derived either from their NRDS2 or calculation using the estimated population and per capita rice consumption in 2030. The result is temporary and subject to change.

# Big Picture - Food Price -

## Food Inflation Heat Map

 <2 2-5 5-30 >30

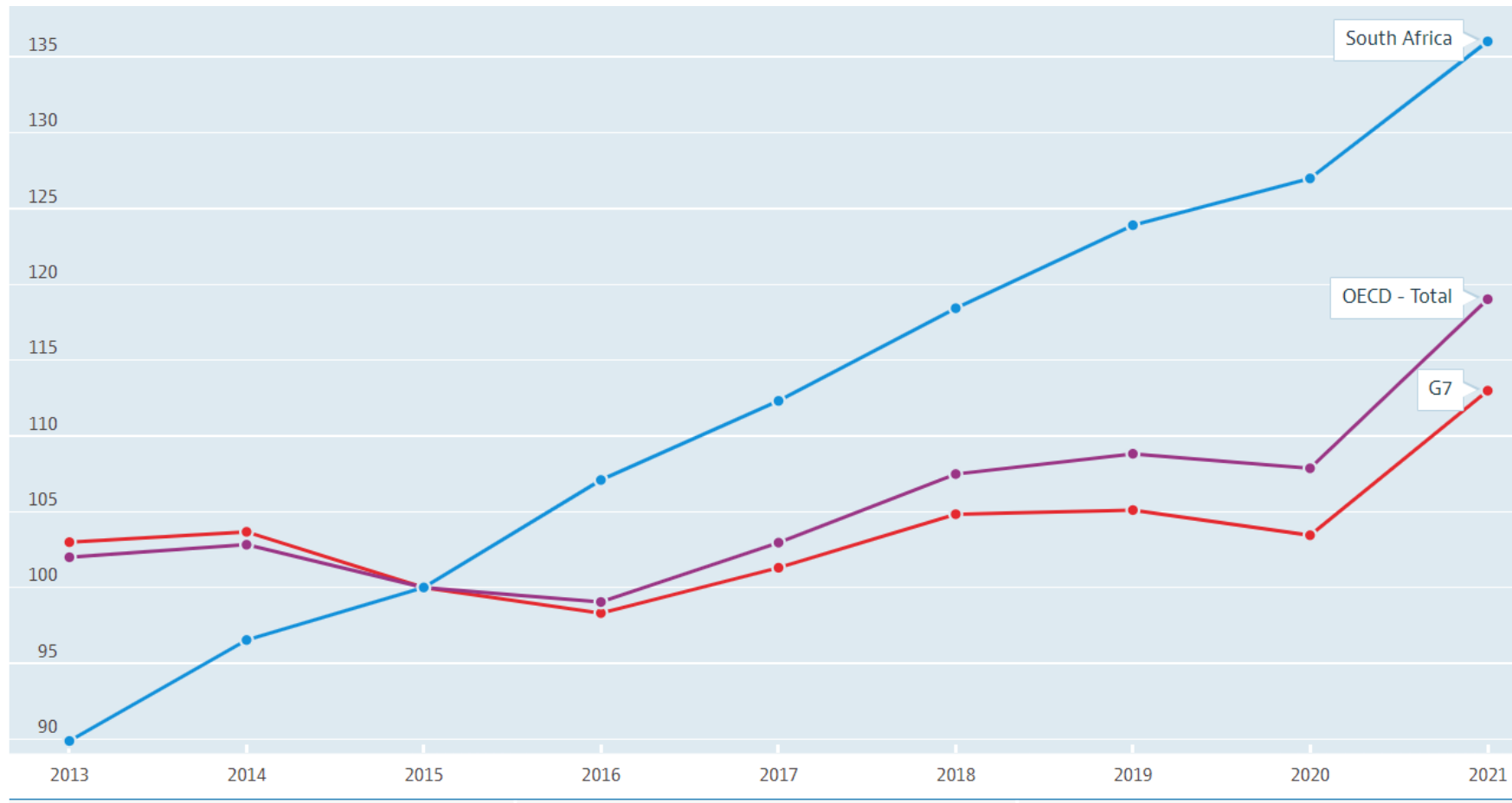


(World Bank /May 2023)

# Big Picture

## - Cost factors -

Producer price indices (PPI) Manufacturing, domestic market, 2015=100, 2013 - 2021

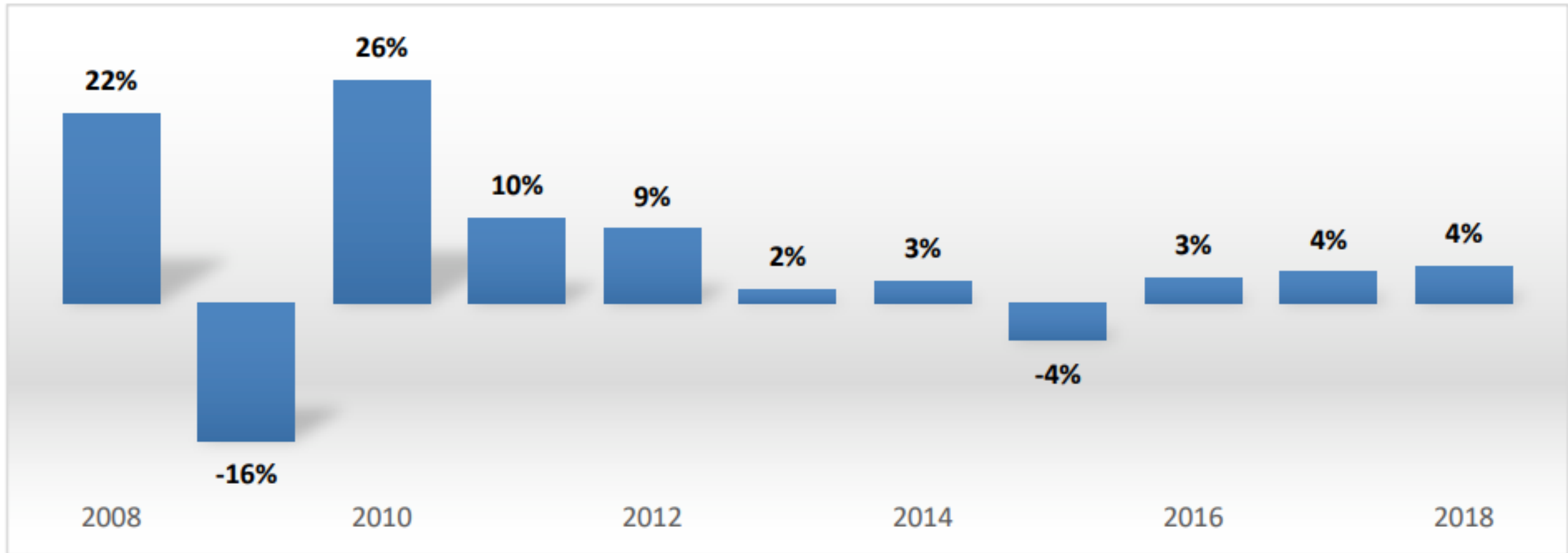


(Source: OECD)

# Big Picture

## - Cost factors -

Figure 6. Annual growth rate of the PPI for agricultural products in Africa



# Big Picture

## - Global Climate Change -

NY Times says:  
(20 May 2023)

Climate change brings other risks. You can no longer count on the monsoon season to start in May, as before. And so in dry years, farmers now rush to sow rice 10 to 30 days earlier than usual, [researchers have found](#). In coastal areas, many rotate between rice and shrimp, which like a bit of saltwater.

But this requires reining in greed, said Dang Thanh Sang, 60, a lifelong rice farmer in Soc Trang. Shrimp bring in high profits, but also high risks. Disease sets in easily. The land becomes barren. He has seen it happen to other farmers.

So, on his seven acres, Mr. Dang plants rice when there's freshwater in the canals, and shrimp when seawater seeps in. Rice cleans the water. Shrimp nourishes the soil. "It's not a lot of money like growing only shrimp," he said. "But it's safer."

Elsewhere, farmers will have to shift their calendars for rice and other staple grains, researchers [concluded in a recent paper](#). Scientists are already trying to help them.



# Big Picture

## - Global Climate Change -

NY Times says:  
(20 May 2023)

Today, that very system of intensive production has created new problems worldwide. It has depleted aquifers, driven up fertilizer use, reduced the diversity of rice breeds that are planted, and polluted the air with the smoke of burning rice stubble. On top of that, there's climate change: It has upended the rhythm of sunshine and rain that rice depends on.

Perhaps most worrying, because rice is eaten every day by some of the world's poorest, elevated carbon dioxide concentrations in the atmosphere deplete nutrients from each grain.

Rice faces another climate problem. It accounts for an estimated 8 percent of all global methane emissions from human activity.

That's a fraction of the emissions from coal, oil and gas, which together account for 35 percent of methane emissions. But fossil fuels can be replaced by other energy sources. Rice, not so much. Rice is the staple grain for an estimated three billion people. It is biryani and pho, jollof and jambalaya — a source of tradition, and sustenance.

# Big Pictures

## - Big Conclusions -

- We must sustain growing population in Sub-Saharan Africa
- We must maintain the “ambitious” target and make it happen
- We are working under more complicated circumstances

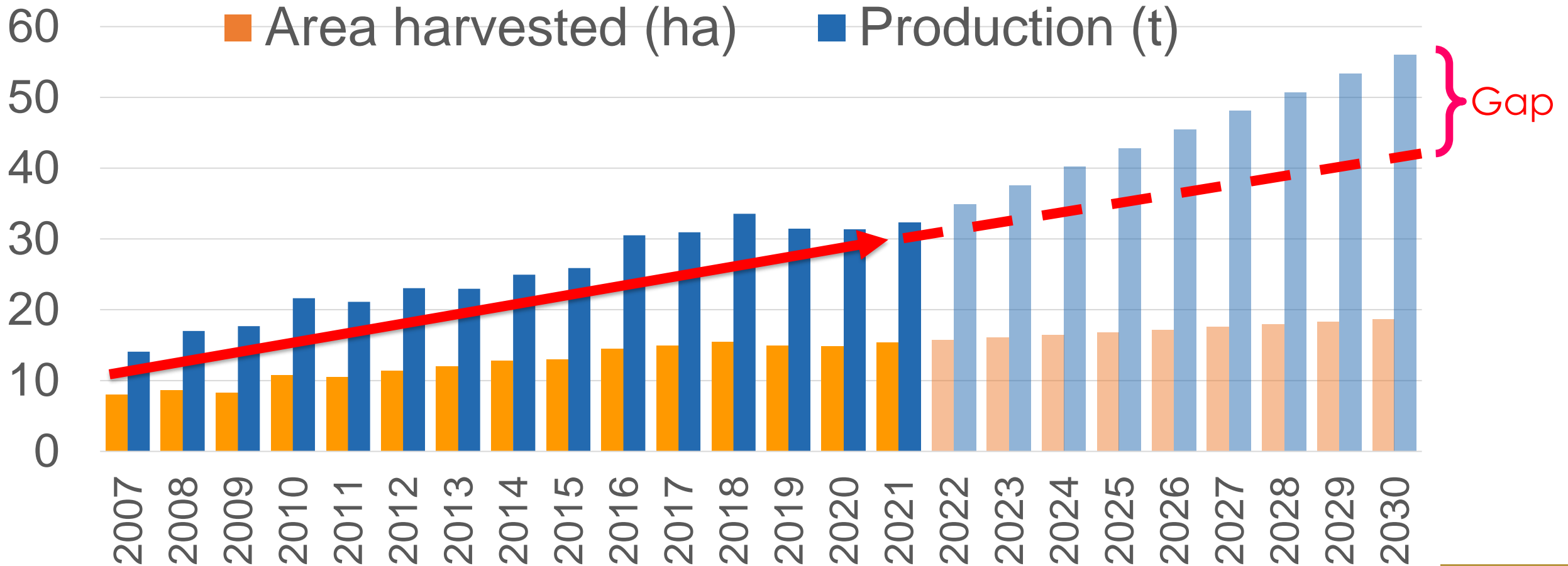


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RICE DEVELOPMENT

# Big Pictures - Big Gap -

Production, production, production



# Production, but how?

- Various aspects under complicated circumstances
  - RICE approach (GM9 focus --> Industrialization)
- CARD Phase II – 4 /12yrs have passed
  - Implementation of NRDS, M&E
  - Filling Gaps (Public-Private, National-Regional, Funding)



# Thank you for listening

Now your turn



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RICE DEVELOPMENT