

CARD M&E



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M&E in CARD Phase 1 and 2

During CARD Phase 1:

- CARD developed “Sub-sector/ Intervention Elements Matrices (SIEM)” as a tool for M&E (**monitoring gaps between needs and ongoing interventions, i.e., inputs**)
- CARD had quantitative indicators: (1) Quantity of paddy produced, (2) Area harvested, (3) Yield, and (4) Self-sufficiency (**monitoring outputs**)
- This M&E framework was not sufficient to analyze why some countries achieved their targets and why others did not (**monitoring process**).



In CARD Phase 2:

- CARD conducted a “problem tree” analysis of rice sector in SSA.
- Most of the problems were found to be associated with rice sector’s level of **Resilience, Industrialization, Competitiveness and Empowerment (RICE)**
- A new M&E framework applying “**RICE Approach**” with additional indicators to monitor was developed.
 - Intended to better monitor the process of rice sector development
 - SIEM + RICE Approach



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Overview of CARD M&E Indicators and Targets

- CARD Phase 2 M&E framework was discussed and approved in the 8th CARD General Meeting (GM8) held in October 2021.
- The framework applies the “**RICE Approach**” (**Resilience, Industrialization, Competitiveness and Empowerment**). There are two indicators for each of R, I, C, and E (2 x 4=8)
- Also, the Framework involves **4 Overall indicators adopted from CARD Phase 1**, namely: 1) Production quantity, 2) Area Harvested, 3) Yield, and 4) Self Sufficiency
- Although some CARD member countries have their own NRDS2 M&E framework, all the countries are requested to incorporate 12 common M&E indicators.



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Characteristics of M&E CARD indicators

- 1) **Simpleness:** most of CARD indicators are tailored in such a way that can be obtained/calculated using existing secondary data;
- 2) **Low cost:** so that all 32 member countries can collect data with their own human and financial resources up to 2030;
- 3) **Flexibility:** countries can add their own indicators relevant to the rice value chain;
- 4) **Data by ecology:** Attempt to capture the production data by agro-ecology (for which CARD was not successful during Phase 1).



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CARD M&E indicators

Category	Sub-category	Code	Indicator	Definition
Overall (O)	Production	O1	Quantity of paddy produced (ton)	Sum of paddy produced in a given year in different ecologies
	Area	O2	Total area harvested (ha)	Sum of rice-harvested area from all rice-growing ecologies
	Productivity	O3	Yield per unit area (t/ha)	The average quantity of paddy grains harvested per hectare of land (obtained by dividing the quantity of paddy produced (O1) by the area harvested (O2))
	Self-sufficiency	O4	Self-sufficiency (%)	Coverage rate of rice needs by local production
Resilience (R)	Resilient production system - Irrigation	R1	Area under irrigation (ha)	Area under rice cultivation with supplementary irrigation that could mitigate the negative impacts of weather fluctuations on rice production
	Availability of resilient variety	R2	Quantity of resilient variety seeds (ton)	Quantity of seeds of locally preferred varieties with resilient characteristics, locally produced and imported annually
Industrialization (I)	Modernization of processing	I1	Level of industrial milling capacity (%)	Ratio of installed capacity of medium and large mills among all functional mills
	Modernization of production	I2	Level of mechanization in production (unit)	Number of machines available for ploughing and harvesting (in rice producing areas)
Competitiveness (C)	Market penetration	C1	Share of local rice in the market (%)	Share of locally produced rice in the total quantity of rice procured by major retail stores for a year
	Availability of high-yielding variety	C2	Quantity of high-yielding variety seeds (ton)	Quantity of seeds of locally preferred varieties with high-yielding attributes, locally produced and imported annually
Empowerment (E)	Access to finance	E1	Smallholder farmers' accessibility to financial services (%)	Percentage of smallholders in pre-selected farmers' groups/associations accessing necessary financial services (in rice producing areas)
	Access to extension	E2	Smallholder farmers' accessibility to technical training and services (%)	Percentage of smallholder in pre-selected farmers' groups/associations regularly accessing necessary technical training and services (in rice producing areas)

Additional indicator

Price	Retail price of locally produced and imported rice (USD/Kg)	5
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Main M&E activities in CARD member countries

- Establish an M&E framework suitable for the respective countries' contexts.
- Conduct an M&E baseline study. The expected outputs:
 1. **A final report containing baseline figures** for 12 indicators, retail price + additional country indicators
 2. **A procedural manual** outlining methods and data sources to be replicated in the next data collection by NRDS TF team
- Conduct annual M&E follow-up surveys up to 2030; to be conducted by each country's NRDS TF team
- Organize Rice Sector Review Meeting (annually or once every two years)



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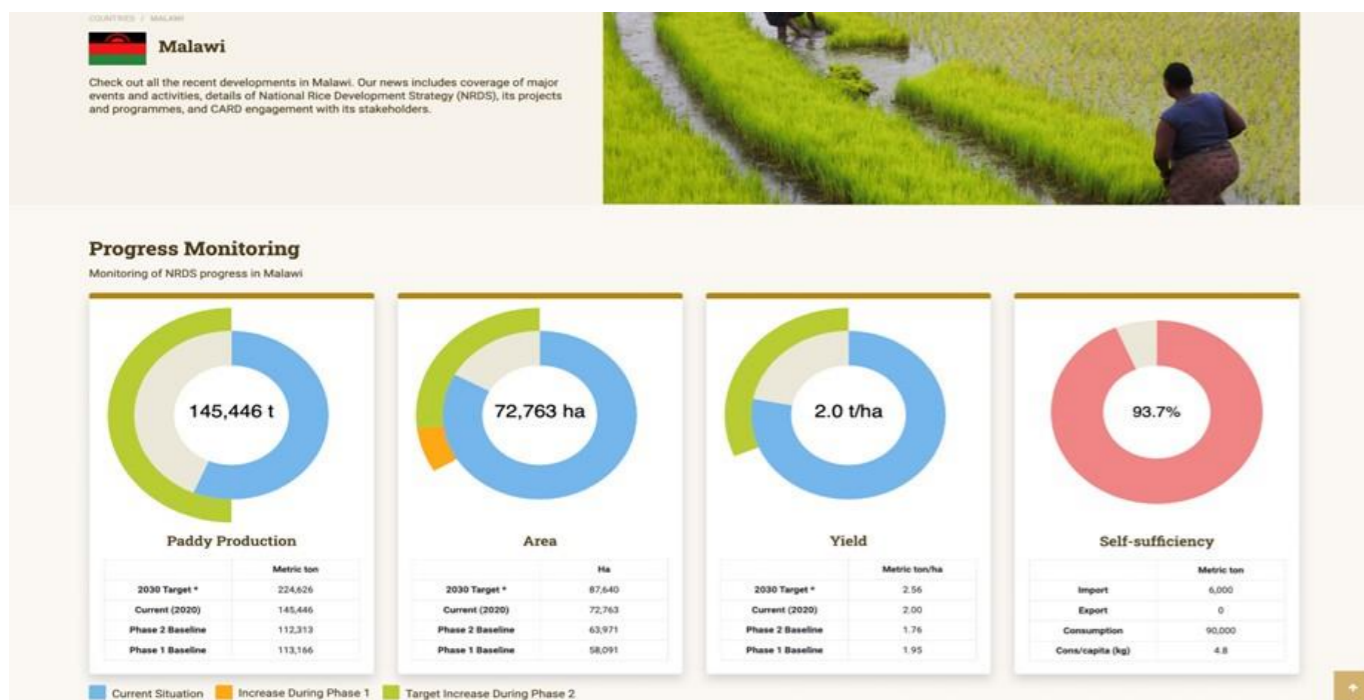
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CARD website as an M&E tool

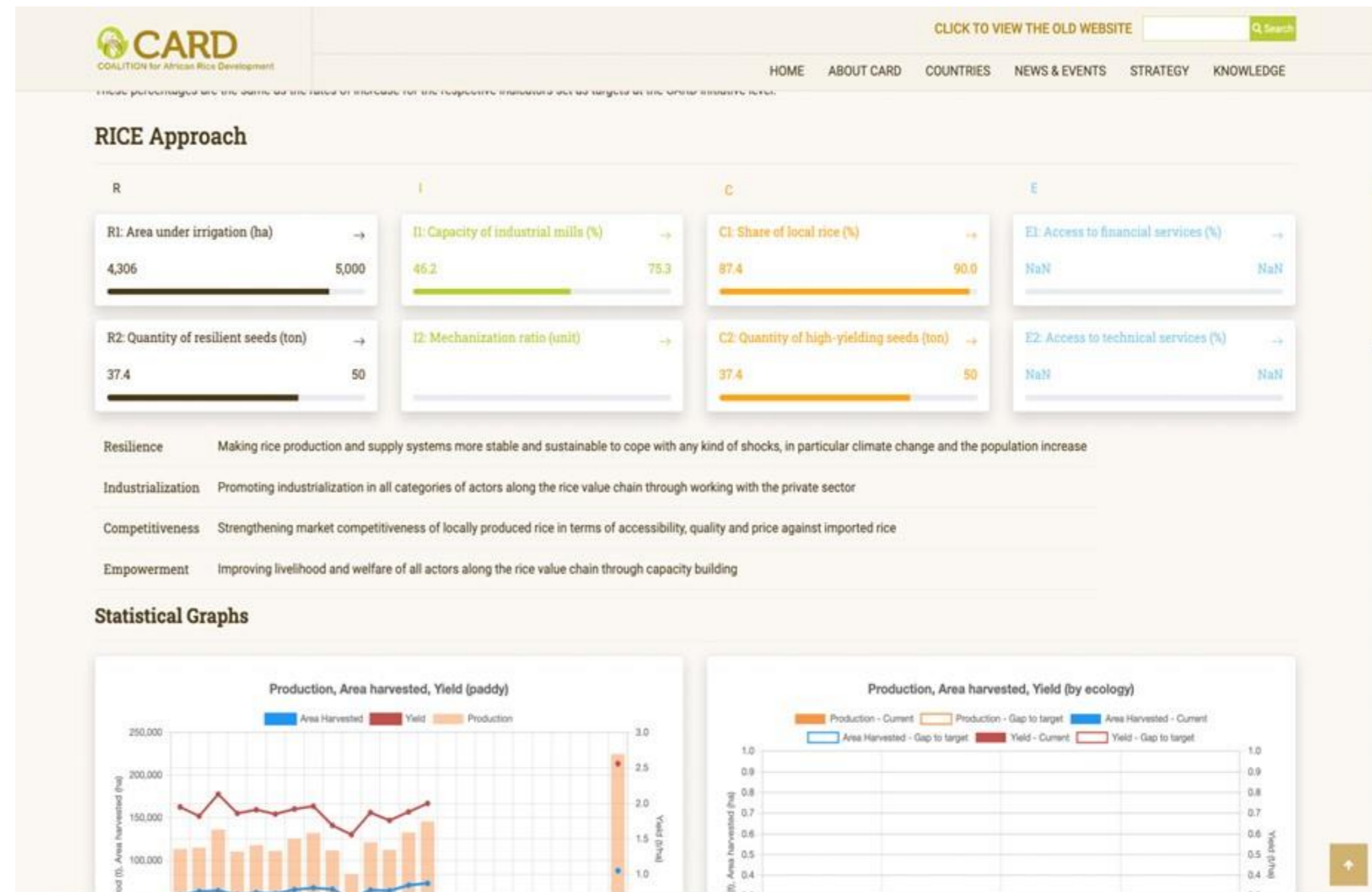
- The CARD website has been renovated to be a useful tool to collect and disseminate information related to the M&E.
- M&E data is updated regularly. CARD website link: <https://riceforafrica.net/>



- Overall indicators (= all SSA) @Home



- Overall indicators (= country page)-Malawi



RICE indicators (=Country page)-Malawi

M&E baseline study progress in CARD countries

Completed

1. Kenya
2. Tanzania
3. Rwanda
4. Malawi
5. Burkina Faso
6. Togo
7. Zambia

Ongoing

1. Cote d'Ivoire
2. Ghana
3. Nigeria
4. Mozambique

To be conducted soon

- | | |
|-----------------------------|------------------|
| 1. Angola | 16. Mali |
| 2. Benin | 17. Niger |
| 3. Burundi | 18. Senegal |
| 4. Cameroon | 19. Sierra Leone |
| 5. Central African Republic | 20. Sudan |
| 6. Chad | 21. Uganda |
| 7. Congo Republic | |
| 8. DR Congo | |
| 9. Ethiopia | |
| 10. Gabon | |
| 11. Gambia | |
| 12. Guinea | |
| 13. Guinea Bissau | |
| 14. Liberia | |
| 15. Madagascar | |

CARD fiscal year 2023-2024 M&E plan

1. Countries with M&E baseline study complete

- Conduct 1st follow-up surveys
- Organize Annual Rice Sector Review Meeting
- NRDS FP to update M&E data in CARD website

2. Countries with M&E baseline study ongoing

- Complete the M&E baseline study

3. Countries with M&E baseline study not started

- Countries without NRDS for Phase 2 to formulate or revise their NRDS
- Countries with NRDS 2 to start and complete M&E baseline survey

M&E timeline and CARD Secretariat's support during Phase 2

Activity	2023 & 2024	2024-2030
1. Support NRDS TF to formulate NRDS for Phase 2	■	
2. Support NRDS TF to conduct the M&E baseline study	■	
3. Support NRDS TF to conduct annual follow-up surveys	■	■
4. Support NRDS TF to organize Annual Rice Reviews Meetings	■	■
5. Support NRDS TF to update their respective country pages in CARD website	■	■

SCHEDULE FOR FUTURE MEETINGS



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Next Meetings

- 10th General Meeting (2025)
In Madagascar
- 20th Steering Committee Meeting (2024)
TBA



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CLOSING REMARKS

Mr. KUBOTA Osamu
Vice President
JICA



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