

Document for preparing country Biennial Review report on progress made for achieving the Malabo Declaration Goals and Targets

# **Technical Guidelines**

March 2017

Acknowledgments to technical partners institutions namely ReSAKSS, IFPRI, AGRA, FARA, FAO, Africa Lead, World Bank, GIZ, and USAID, as well as the Regional Economic Communities (RECs) and Member States for their technical, logistical and financial support to the process of developing the Guidelines.

These guidelines have been prepared to support African Union Member States in preparing their agricultural transformation reports to the African Union Summit on progress made for implementing Commitments in the June 2014 AU Heads of States Malabo Declaration on Accelerated Agricultural Growth and Transformation for Shared Prosperity and Improved Livelihoods. They had been prepared through consultative actions led by the African Union Commission (AUC) and the NEPAD Planning and Coordination Agency (NPCA), that have involved technical partners' engagement in offering available knowledge for developing computing methods for reporting on each of the indicators that reflected commitments made in the Malabo Declaration. This version of the Guidelines has been finalized after the Experts Groups meeting held in Dakar in September 2016 for consolidating and refining parameters and computing methods of the indicators profiles.

### Introduction

Under the process of implementing the Malabo Declaration on Accelerated Agricultural Growth and Transformation for Shared Prosperity and Improved Livelihoods in Africa, the African Union Commission (AUC) is leading the establishment of the Biennial Review (BR) mechanism for regular country progress reporting to the African Union (AU) Assembly. The BR mechanism aims at providing platform for mutual accountability, peer review and peer learning that will motivate increased performances of each member state to deliver on targets set in the Malabo declaration, through a well-designed, transparent and performance-based Monitoring and Evaluation (M&E) and Biennial Review Reporting to the AU Assembly, that should in turn, trigger evidence based planning and implementation at all appropriate levels (national, sub regional and continental) for the expected agricultural growth and transformation in Africa.

Agreements have been reached to adopt a Scorecard format for presenting the biennial report to the AU Assembly to create higher incentive on the Malabo goals and highlight individual country progress with related scores. This requires clarity and transparency in defining performance targets, indicators and required parameters in a way to ensure alignment with commitments made in the Malabo Declaration.

The tool for collecting information from the countries, which will serve as country reporting template, prioritises 23 performance categories and 43 indicators (for the 2017 Country Progress Report) to be tracked and reported upon by the AU member states.

This document provides details of the definitions that apply vis-á-vis the indicators to be used for monitoring progress on the targets set. It is recognised that there are existing agricultural sector monitoring and evaluation (M&E) systems at national, regional, continental and global level using similar indicators to provide information on the performance categories. However, the purposes for which that information is generated differ; which in turn influence the definition of indicators used and the specific parameters that are measured.

For the AU biennial review, the indicators chosen to track the prioritised performance categories are defined on the basis of the strategic objectives that are derived from the Malabo Declaration. They are thus adapted from existing modes of application taking into consideration the unique situation of the opportunities and challenges in Africa's agricultural sector and its multisectorial implications, especially with regard to data acquisition and analysis. As such, the following background information and or instructions are provided:

- 1. **Objectives of Performance Category/Indicator:** this provides the primary objective of generating the requested information on a performance category or a specific indicator. In essence, this section is aimed at demonstrating relevance and highlighting the point of emphasis in the analysis.
- 2. **Performance Target:** this section states the set target against which performance is being measured. In addition, it provides information on the reference policy document(s) and/or methodology from which the target is derived.
- 3. **Performance Indicator:** defines the measure by which progress towards a specific target and/or strategic goal of Malabo commitments is evaluated.
- 4. **Disaggregation:** this section defines the various parameters used to compute the performance indicator, as well as describing both the required data and applicable computing methods. Suggestions are also given on the possible sources for the required data.
- 5. **Indicator Computing:** describing the formula(e) and or other processes for manipulating the various parameters to evaluate progress on a particular target or objective.

These background information and /or instructions are summarized on sheets clustered *in Section II*, by theme for each of the 7 themes defined by the actionable commitments made in the Malabo Declaration, whereas the *Section I* provide the overview of the core set of indicators used in the Reporting Template to be availed to Member States for preparing respective country report.

It must be emphasised that the indicators, parameters, definitions and methods used in what follows are neither exhaustive nor absolute, rather they have been carefully selected and applied within the context of the agriculture sector in Africa. Similarly, these guidelines are the first version of what has purposely been developed to be a living document.

## **Section I**

The minimum core set of indicators for monitoring Commitments of the Malabo Declaration.

### Key Performance Targets and Indicators for Monitoring and Reporting on the June 2014 AU Assembly Malabo Declaration for Agriculture Growth in Africa

Themes/	Sub-themes/	Concerns/		Performa	ances Indio	cators			Existing	
Performance Areas	Performance Category	Objectives of the Category	ltem (What is measured)	Targets (Where to reach)	Baseline Year	Milestone Year	Reference	M&E Level	Int. data Sources	Comments
	1.1 Country CAADP Process	Develop/update national Plans for implementing Malabo declaration using CAADP implementation approach under inclusive and participatory process.	1.1- CAADP Process Completion Index (CAADPPro).	100%	2015	2018	<i>Malabo Decl.</i> 1(a) & 1(e)	Country, AUC*, NEPAD*		
1. Commitment to CAADP Process	1.2 CAADP based Cooperation, Partnership & Alliance	Strengthen multi-sector coordination among stakeholders to improve implementation towards results, through establishment of a functional multi-sectorial and multi- stakeholder coordination body.	1.2- Existence of, and Quality of multi-sectorial and multi- stakeholder coordination body (Qc).	100%	2015	2018	<i>Malabo Decl.</i> 1(b) & 1(d)	Country, RECs		
	1.3 CAADP based Policy & Institutional Review/ Setting/ Support	Strengthen existing agricultural policies and institutional settings to successfully implement NAIPs to achieve Malabo Declaration goals and targets.	1.3- Evidence-based policies, supportive institutions and corresponding human resources (EIP).	100%	2015	2018	<i>Malabo Decl.</i> 1(c), 2(b), 3(a), 6(c)	Country, AUC*, NEPAD*		
		e	2.1i- Public agriculture expenditure as share of total public expenditure (ţPAE).	10%	2015	2025	Malabo Decl. 2(a)	Country	ReSAKSS	
	2.1 Public Expenditures to Agriculture	Allocate enough funds for agriculture in national budgets.	2.1.ii- Public Agriculture Expenditure as % of agriculture value added (PAEAgGDP).	19%	2015	2025	Malabo Decl. 2(a)	Country		
2. Investment			2.1iii- ODA disbursed to agriculture as % of commitment (ODA).	100%	2015	2025	Malabo Decl. 2(a)	Country		
Finance in Agriculture	2.2 Domestic Private Sector Investment in Agriculture.	Put in place or strengthen mechanisms to attract domestic private investment in agriculture.	2.2- Ratio of domestic private sector investment to public investment in agriculture (ţDPrPb).	on search	2015	2025	Malabo Decl. 2(b)	Country		Average of top 10 ratios of ţDPrPb will be used to set target once data
	2.3 Foreign Private Sector Investment in Agriculture.	Put in place or strengthen mechanisms to attract foreign private direct investment in agriculture.	2.3- Ratio of foreign private direct investment to public investment in agriculture (ţFPrPb).	on search	2015	2025	Malabo Decl. 2(b)	Country , AUC, RECs, NEPAD	IFPRI, FAO	Average of top 10 ratios of FPrPb will be used to set target once data are available
	2.4 Access to finance	Increase access of smallholder farmers/rural households to and use of financial services for the purposes of transacting agricultural business (purchasing inputs, machinery, storage technologies, etc.)	<ul> <li>2.4- Proportion of men and women engaged in agriculture with access to financial services, (thgFs).</li> </ul>	100%	2015	2025	Malabo Decl. 2(c) and SDG goal1, 1.4	Country		

Themes/	Sub-themes/	Concerns/		Performa	ances Indio	cators	Performances Indicators				
•		Objectives of the Category	ltem (What is measured)	Targets (Where to reach)	Baseline Year	Milestone Year	Reference	M&E Level	Int. data Sources	Comments	
		Promote utilization of cost-effective & quality agricultural inputs, irrigation, mechanization, and agrochemicals for crops, fisheries, livestocks and forestry e to boost agricultural productivity.	3.1i- Fertilizer consumption (kilogram of nutrients per hectare of arable land), (Fz)	50 kilograms per hectare of arable land	2015	2025	Malabo Decl. 3(a)	Country			
			3.1ii- Growth rate of the size of irrigated areas from its value of the year 2000 (RiIA).		2000	2025	Malabo Decl. 3(a) + African Water Vision 2025	Country			
			3.1iii- Growth rate of the ratio of supplied quality agriculture inputs (seed, breed, fingerlings) to the total national inputs requirements for the commodity (tAgl).	100%	2015	2025	Malabo Decl. 3(a)	Country		Target will be set once data are available	
			3.1iv- Proportion of farmers having access to Agricultural Advisory Services (FAgAS).	100%	2015	2025	Malabo Decl. 3(a) + SDG	Country			
			3.1v- Total Agricultural Research Spending as a share of AgGDP (tTARS).	1%	2015	2025	Malabo Decl. 3(a)	Country			
3. Ending Hunger			3.1vi- Proportion of farm households with ownership or secure land rights (thhSL).	100%	2015	2025	Malabo Decl. 3(a)	Country			
		Increase agricultural productivity.	3.2i- Growth rate of agriculture value added, in constant US dollars, per agricultural worker (thagW)	100%	2015	2025	Malabo Decl. 3(a)	Country			
	3.2 Agricultural Productivity		3.2ii- Growth rate of agriculture value added, in constant US dollar, per hectare of agricultural arable land (tAgL).	100%	2015	2025	Malabo Decl. 3(a)	Country			
			3.2iii- Growth rate of yields for the 5 national priority commodities, and possibly for the 11 AU agriculture priority commodities ( <u></u>	100%	2015	2025	Malabo Decl. 3(a)	Country			
	3.3 Post-Harvest Loss	Provide logistics support to all stages of the food production chain (field/harvest, storage, processing, transportation, final retail market) to limit degradation both in quantity and in quality of the produced food.	3.3- Reduction rate of Post- Harvest Losses for (at least) the 5 national priority commodities, and possibly for the 11 AU agriculture priority commodities (tPHL).	50%	2015	2025	Malabo Decl. 3(b)	Country	FAO, APHLIS		

Themes/	Sub-themes/	Category Objectives of the Category		Performa	ances Indi	cators			Existing	Comments
	Performance Category		ltem (What is measured)	Targets (Where to reach)	Baseline Year	Milestone Year	Reference	M&E Level	Int. data Sources	
	3.4 Social Protection	Integrate measures for increased agricultural productivity with social protection initiatives focusing on vulnerable social groups through committing targeted budget lines within our national budgets for social protection.	3.4- Budget lines (%) on social protection as percentage of the total resource requirements for coverage of the vulnerable social groups (ţSP)	100%	2015	2025	Malabo Decl. 3(c)	Country		
			3.5i- Prevalence of stunting (% of children under 5 years old) (St)	10%	2015	2025	Malabo Decl. 3(d) and the ARNS	Country	DHS, WDI, WFI, WHO, UNICEF, IFPRI	
3.5 Food security and Nutrition		3.5ii- Prevalence of underweight (% of children under 5 years old) (Uw)	5%	2015	2025	Malabo Decl. 3(d) and the ARNS	Country	DHS, WDI, WFI, WHO, UNICEF, IFPRI		
		3.5iii- Prevalence of wasting (% of children under 5 old) (W)	5%	2015	2025	Malabo Decl. 3(d) and the ARNS	Country	DHS, WDI, WFI, WHO, UNICEF, IFPRI		
		nutrition in Africa, by bringing down child stunting, child underweight, child wasting, and child undernourishment; and improving dietary diversity for women and children	3.5iv- Proportion of the population that is undernourished (% of the country's population) (U).	5%	2015	2025	Malabo Decl. 3(d) and the ARNS	Country	DHS, WDI, WFI, WHO, UNICEF, IFPRI	
			3.5v- Growth rate of the proportion of Minimum Dietary Diversity-Women (ţMDDW)	50%	2015	2025	Malabo Decl. 3(d) and the ARNS	Country	DHS, WDI, WFI, WHO, UNICEF, IFPRI	
		3.5vi- Proportion of 6-23 months old children who meet the Minimum Acceptable Diet (MAD)	50%	2015	2025	Malabo Decl. 3(d) and the ARNS	Country	DHS, WDI, WFI, WHO, UNICEF, IFPRI		
			4.1i- Growth rate of the agriculture value added, in constant US dollars (ţAgGDP).	6%	2015	2025	Malabo Decl. 4(a)	Country	IFPRI	
			4.1ii- Agriculture contribution to the overall poverty reduction target (Stand-by)	50%	2015	2025	Malabo Decl. 4(a)	Country	IFPRI	Further work to calculate the indicator
	4.1 Agricultural GDP and Poverty Reduction	Sustain annual agriculture sector growth by ensuring higher contribution to GDP and to poverty reduction.	4.1iii- Reduction rate of poverty headcount ratio, at national poverty line (% of population), dpovN	50%	2015	2025	Malabo Decl. 4(a)	Country	IFPRI	
	p in	4.1iv- Reduction rate of poverty headcount ratio at international poverty line (% of population), dpovl	50%	2015	2025	Malabo Decl. 4(a)	Country	IFPRI		

Themes/	Sub-themes/	Concerns/		Performa	ances Indi	cators			Existing	
	Performance Category	Objectives of the Category	ltem (What is measured)	Targets (Where to reach)	Baseline Year	Milestone Year	Reference	M&E Level	Int. data Sources	Comments
4. Eradicating Poverty through Agriculture			4.1v- Reduction rate of the gap between the wholesale price and farmgate price (tfgws)	50%	2015	2025	Malabo Decl. 4(a)	Country	IFPRI	
	4.2 Inclusive PPPs for commodity value chains	Promote approaches via PPP arrangements to link smallholder farmers to value chains of priority agricultural commodities.	4.2- Number of priority agricultural commodity value chains for which a PPP is established with strong linkage to smallholder agriculture, (Nc)		2015	2025	<i>Malabo Decl.</i> 4(b)	Country		
	4.3 Youth job in agriculture	Engage youth in agricultural sector development to contribute to reduce level of unemployment and poverty .	4.3- Percentage of youth that is engaged in new job opportunities in agriculture value chains, (ţYth)	30%	2015	2025	Malabo Decl. 4(c)	Country	UNIDO, ILO	
	4.4 Women participation in Agri- business	Promote initiatives that facilitate preferential entry and participation for women in gainful and attractive agri- business opportunities.	4.4- Proportion of rural women that are empowered in agriculture, (ţWE)	20%	2013	2023	Malabo Decl. 4(d) + FTYIP of the AU Agenda 2063	Country		
5. Intra-African	5.1 Intra-African Trade in agriculture commodities and services	Promote intra-African trade in agriculture commodities and services while reducing importation of those commodities from outside Africa.	5.1- Growth rate of the value of trade of agricultural commodities and services within Africa, in constant US dollars (ţIAT).	200%	2015	2025	Malabo Decl. 5(a) & 9(c)	Country/ RECs*/ AUC/ NEPAD	UNCTAD, FAOstat, RECs	
Trade in Agriculture Commodities and services	5.2 Intra-African Trade	<ul> <li>institutional conditions and support systems to simplify</li> <li>and formalize the current trade practices to permit the</li> <li>achievement of intra-African trade target; including the</li> <li>promotion of the African Common position on agriculture-</li> <li>related international trade negotiations and partnership</li> </ul>	5.2i- Trade Facilitation Index (TFI)	100%	2015	2025	Malabo Decl. 5(b)	Country/ RECs/ AUC/ NEPAD		Further work to calculate the indicator
	conditions		5.2ii- Domestic Food Price Volatility Index (CV)	7.5%	2015	2025	Malabo Decl. 5(b)	Country/ RECs/ AUC/ NEPAD		
		Promote initiatives of building resilience of production systems to reduce vulnerabilities of the livelihoods of	6.1i- Percentage of farm, pastoral, and fisher households that are resilient to climate and weather related shocks (ţRAgHh)		2015	2025	Malabo Decl. 6(a)	Country		
6. Resilience to Climate Variability	related risks	African population to climate variability and other related risks.	6.1ii- Share of agriculture land under sustainable land management practices (SSLM)	30%	2015	2025	Malabo Decl. 6(a) + FTYIP of the AU Agenda 2063	Country		

Themes/	Sub-themes/	Concerns/		Performa	ances India	cators			Existing Int. data Sources	Comments
Performance Areas	Performance Category	Objectives of the Category	ltem (What is measured)	Targets (Where to reach)	Baseline Year	Milestone Year	Reference	M&E Level		
	6.2 Investment in resilience building	Enhance investments for resilience building initiatives to protect rural workers and social groups, as well as vulnerable ecosystems.	6.2- Existence of government budget-lines to respond to spending needs on resilience building initiatives (EI <sub>RB</sub> )	100%	2015	2025	Malabo Decl. 6(b)	Country		
	7.1 Country capacity for evidence based planning, impl. and M&E	Countries to increase capacity to generate, analyse and use data, information, knowlegde and innovations	7.1- Index of capacity to generate and use agriculture statistical data and information (ASCI)	63	2015	2025	Malabo Decl. 7(c)	AUC, RECs, NEPAD, Country		Target set as average of the 10 best ranked countries in the Africa Country
for Actions and Results	7.2 Peer Review and Mutual Accountability	Put in place mechanisms and systems to recognize and appreciate performance of Member States with respect to progress on key commitments agreed upon.	7.2- Existence of inclusive institutionalized mechanisms and platforms for mutual accountability and peer review (ECI).	100%	2015	2018	Malabo Decl. 7(b) & 9(d)	AUC, RECs, NEPAD, Country		
	7.3 Biennial Agriculture Review Process	Institutionalize the use of the Biennial report to serve mutual accountability platforms, experiences sharing amongst African countries on agricultural development issues, and promote lessons learnt for performing on Malabo Declaration.	7.3 Country Biennial Report submission (BR).	100%	2015	2025	<i>Malabo Decl.</i> 7(a) & 9(d,e,f,g)	AUC, RECs, NEPAD, Country		

# **Section II**

The Detailed Guidelines for computing proposed performance indicators of the Country Reporting Template.

### List of profiled Indicators for consideration in the Malabo Scorecard

Performa	ince Indicators	Status of the profile
1.1	CAADP Process Completion Index (CAADPPro)	ОК
1.2	Quality of multi-sectorial and multi-stakeholder coordination (Qc)	ОК
1.3	Evidence-Informed Policies and corresponding human resources (EIP)	ОК
2.1i	Public agriculture expenditure as share of total public expenditure (tPAE)	ОК
2.1ii	Public Agriculture Expenditure as % of agriculture value added (PAEAgVA)	ОК
<b>2.1</b> iii	ODA disbursed to agriculture as % of commitment (ODA)	ОК
2.2	Ratio of domestic private sector investment to public investment in agriculture (ţDPrPb)	OK, Silent on performance
2.3	Ratio of foreign private direct investment to public investment in agriculture (tFPrPb)	OK, Silent on performance
2.4	Proportion of men and women engaged in agriculture with access to financial services, (tAgFs)	ОК
3.1i	Fertilizer consumption (kilogram of nutrients per hectare of arable land), (Fz)	ОК
3.1ii	Growth rate of the size of irrigated areas from its value of the year 2000 (RiIA)	ОК
3.1iii	Growth rate of the ratio of supplied quality agriculture inputs (seed, breed, fingerlings) to the total national inputs requirements for the commodity (tAgl)	ОК
3.1iv	Proportion of farmers having access to Agricultural Advisory Services (FAgAS)	ОК
3.1v	Total Agricultural Research Spending as a share of AgGDP (ţTARS)	ОК
3.1vi	Proportion of farm households with ownership or secure land rights (thhSL)	ОК
3.2i	Growth rate of agriculture value added, in constant US dollars, per agricultural worker (tAgW)	ОК
3.2ii	Growth rate of agriculture value added, in constant US dollar, per hectare of agricultural arable land (tAgL)	ОК
3.2iii	Growth rate of yields for the 5 national priority commodities, and possibly for the 11 AU agriculture priority commodities (ţY)	ОК
3.3	Reduction rate of Post-Harvest Losses for (at least) the 5 national priority commodities, and possibly for the 11 AU agriculture priority commodities (tPHL)	ОК
3.4	Budget lines (%) on social protection as percentage of the total resource requirements for coverage of the vulnerable social groups (tSP)	ОК
3.5i	Prevalence of stunting (% of children under 5 years old) (St)	ОК
3.5ii	Prevalence of underweight (% of children under 5 years old) (Uw)	ОК
3.5iii	Prevalence of wasting (% of children under 5 old) (W)	ОК
3.5iv	Proportion of the population that is undernourished (% of the country's population) (U)	ОК
3.5v	Growth rate of the proportion of Minimum Dietary Diversity-Women (tMDDW)	ОК
3.5vi	Proportion of 6-23 months old children who meet the Minimum Acceptable Diet (MAD)	ОК
4.1i	Growth rate of the agriculture value added, in constant US dollars (tAgGDP)	ОК
4.1ii	Agriculture contribution to the overall poverty reduction target	Stand-by for more research <b>SB</b>
4.1iii	Reduction rate of poverty headcount ratio, at national poverty line (% of population), dpovN	ОК
4.1iv	Reduction rate of poverty headcount ratio at international poverty line (% of population), dpovl	ОК
4.1v	Reduction rate of the gap between the wholesale price and farmgate price (the second	ОК
4.2	Number of priority agricultural commodity value chains for which a PPP is established with strong linkage to smallholder agriculture, (Nc)	ОК
4.3	Percentage of youth that is engaged in new job opportunities in agriculture value chains, (ţYth)	ОК
4.4	Proportion of rural women that are empowered in agriculture, (tWE)	ОК
5.1	Growth rate of the value of trade of agricultural commodities and services within Africa, in constant US dollars (ţIAT).	ОК
5.2i	Trade Facilitation Index (TFI)	ОК
5.2ii	Domestic Food Price Volatility Index (CV)	ОК
6.1i	Percentage of farm, pastoral, and fisher households that are resilient to climate and weather related shocks (tRAgHh)	ОК
6.1ii	Share of agriculture land under sustainable land management practices (SSLM)	ОК
6.2	Existence of government budget-lines to respond to spending needs on resilience building initiatives (EIRB)	ОК
7.1	Index of capacity to generate and use agriculture statistical data and information (ASCI)	ОК
7.2	Existence of inclusive institutionalized mechanisms for mutual accountability and peer review (ECI)	ОК
7.3	Country Biennial Report submission (BR)	ОК

**Performance theme 1: Commitment to CAADP Process** 

Theme 1	(	Commitment to CAADP pro	ocess				
Performance Category	PC 1.1	Country CAADP Process	8				
1. <u>Objective of the PC</u>	Develop/update and participatory		Malabo declaration using CAADP implementation approach under inclusive				
2. <u>Performance Target</u>	CAADP process t	CAADP process to be fully completed at the country level: <i>Reach 100% of the completion, by the year 2018.</i>					
	Reference in the	Malabo Declaration:	Malabo Decl. 1(a) & 1(e)				
3. <u>Performance</u> Indicator	Indicator		Definition / Explanation				
Indicator	CAADP Process C	ompletion Index (CAADPPro).	The CAADPPRO is the measure of the level of country completion of the CAADP process in the country, through the level of availability of the necessary documents that justify the completion of each of the 4 main steps decided by the AUC and NPCA for rolling out implementation of Malabo declaration at country level. The 4 main steps include: ( <i>i</i> )- the Step of Domestication, ( <i>ii</i> )- the step of NAIP Appraisal, ( <i>iii</i> )- the step of NAIP implementation; and ( <i>iv</i> )- Step of NAIP M&E and reporting. This measure is based on the assumption that a ready document is enough to justify the successful completion of a particular step. Each step has a list of its proof documents that are weighted to compute the Indicator.				

4. Disaggragation	Parameter/ Unit	Definition	Data required	Computing Methods	d. Source
	1. Communication on Internalizing CAADP	Existence of communication (leaflet or any other tool) developed by the Country as part of the "Domestication step" to promote implementation of Malabo Declaration, while involving national stakeholders.	<ul> <li>p<sub>1</sub>: which is the status of completing this step by the country.</li> </ul>	<pre>p1 is estimated with: - "No" = 0 - "Yes" = 100%</pre>	CAADP focal point, Ministry of Ag,
	2. National CAADP Roadmap	Existence of national roadmap prepared by the Country as part of the "Domestication step" to plan implementation of the Malabo.	<ul> <li>p<sub>2</sub>: which is the status of completing and availing the roapmap.</li> </ul>	<pre>p<sub>2</sub> is estimated with: - "No" = 0 - "Yes" = 100%</pre>	CAADP focal point, Ministry of Ag,
	3. NAIP Appraisal Report	Existence of <i>NAIP apraisal report</i> with recommendations on necessary actions and programmatic elements to be considered by the Country to revise the existing NAIP to achieve Malabo targets.	<ul> <li>- p<sub>3</sub>: which is the status of completing and availing the NAIP apraisal report.</li> </ul>	<pre>p<sub>3</sub> is estimated with: - "No" = 0 - "Yes" = 100%</pre>	CAADP focal point, Ministry of Ag,
	4. New NAIP	Existence of <i>New NAIP</i> which is the revised NAIP that contains the programmatic elements (as per the recommendations of the appraisal report) to achieve targets of the Malabo Declaration.	<ul> <li>p<sub>4</sub>: which is the status of completing and availing the new NAIP.</li> </ul>	p₄ is estimated with: - "No" = 0 - "Yes" = 100%	CAADP focal point, Ministry of Ag,
	5. NAIP implementation reflected in national budget	NAIP Implementation should make sure that the new NAIP is considered in annual planning process of the Country. The annual national Budget reflects programmatic activities and budgeting of the new NAIP.	<ul> <li>p<sub>5</sub>: which is the percentage of the revised NAIP reflected in national budget.</li> </ul>	p <sub>5</sub> = (Cost of the revised NAIP reflected in the National Budget) / (Total Costs of the revised NAIP)	CAADP focal point, Ministry of Ag,
	6. NAIP M&E System	NAIP M&E is making sure that a national NAIP M&E Framework that involved stakeholders, has been put in place to regularly monitor implementation of the new NAIP.	<ul> <li>- p<sub>6</sub>: which is is the status of establishing the NAIP M&amp;E system.</li> </ul>	p <sub>6</sub> is estimated with: - "No" = 0 - "Yes" = 100%	CAADP focal point, Ministry of Ag,
	7. NAIP implementation progress Report	Existence of a regular Annual NAIP's progress Report .	<ul> <li>p<sub>7</sub>: which is the status of availing the progress report.</li> </ul>	p <sub>7</sub> is estimated with: - "No" = 0 - "Yes" = 100%	CAADP focal point, Ministry of Ag,

5. <u>Indicator</u> <u>Computing</u> For a given year, the **CAADP process completion Index** in %, is : **CAADPPro = Average**  $(p_i)_{i=1 \text{ to } 7}$ 

Theme 1	Commitment to CAAD	P process				
Performance Category	PC 1.2 CAADP based Coop	eration, Partnership & Alliance				
I. <u>Objective of the PC</u>	Strengthen multi-sector coordination among functional multi-sectorial and multi-stakeho	stakeholders to improve implementation towards results, through establishment of a der coordination body.				
. <u>Performance Target</u>	Aulti-sectorial coordination body and multi-stakeholder body fully established and operational at national level (reach 100% for the Quality of multi-sectorial and multi-stakeholder coordination body, Qc ) by 2018.         Reference in the Malabo Declaration:       Malabo Decl. 7(b)					
L	<u>Reference in the Malabo Declaration:</u>					
B. <u>Performance</u> Indicator	Indicator	Definition / Explanation				
-	Existence of, and Quality of multi-sectorial a multi-stakeholder coordination body (Qc).	nd Multi-sectorial coordination means a situation where various agencies of government (e.g. Agriculture, Education, Health, Nutrition, Water and Sanitation, Social protection, Works, Finance, Lands, Social Welfare, and Protection, etc) work together towards a common objective. Multi-stakeholder coordination means that several stakeholders including government, CSOs, private sector, farmers organizations, youth and women work together through a coordinated platform to make and implement decisions that drive the national agricultural investment plan (e.g. Agricultural sector working group). The quality of multi-sectorial and multi- stakeholder coordination is assessed by several parameters, including broadness, inclusiveness, participatory and openness.				

4. Disaggragation	Parameter/ Unit	Definition	Data required	Computing Methods	d. Source
	1. Existence of quality terms of reference: <i>Qc</i> <sub>1</sub>	The quality terms of reference of the multi-sectorial and multi- stakeholder coordination body is the document that clarifies: i) the objectives of the coordination body and how they are aligned to driving the sector; ii) the roles and responsabilities of involved stakeholders with their relevance; iii) the relevance to the sector; iv) the roadmap and budget of the coordination actions. This parameter is weighed at $w_{\pm} = 10\%$	<ul> <li>Existence of the TORs, <i>p</i> TOR1</li> <li>Reflection of the key elements, <i>p</i> TOR2</li> <li>(Elements: i. alignment of the objectives; ii. Roles and responsabilities; iii. Roadmap; iv. Budget)</li> <li>Representation of stakeholders, <i>p</i> TOR3</li> <li>(Stakeholders categories: i. Government, ii.CSOs, iii. Private sector, iv. Farmers, and v. Farmer organizations)</li> <li>Relevance of membership, <i>p</i> TOR4</li> <li>Existence of List of official nominees (number + seniority) and affiliation, <i>p</i> TOR5</li> </ul>	<ul> <li>- p<sub>TOR1</sub> is estimated with "No"=0 and "Yes"=100%</li> <li>- p<sub>TOR2</sub> is in (%) the number of elements (of the 4 listed) reflected in the TORs <u>devided by</u> 4.</li> <li>- p<sub>TOR3</sub> is in (%) the number of category (of the 5 listed) reflected in the TORs <u>devided by</u> 5.</li> <li>- p<sub>TOR4</sub> is in (%) the number of relevant members (accordingly to national stakeholders' perception) devided by total number of members.</li> <li>' p<sub>TOR5</sub> is estimated with "No"=0 and "Yes"=1</li> <li>The Existence of quality terms of reference is estimated with: _Qc1 = average (p<sub>TOR(1)</sub>)</li> </ul>	CAADP focal point, Ministry of Ag, Country teams
	2. Level of implementation of the coordination actions <i>Qc</i> <sub>2</sub>	This measures progress in implementing coordinations actions reflected in the TORs. The measure here is limited to the level of stakeholders involvement through engagement with stakeholders to hold all the coordination meetings planned in the TORs. It is weighed at $w_2 =$ 25%	-Total number of meetings planned in the TORs for the evaluation period, $N_{mT}$ - Total number of meetings organized during the evaluation period, $N_{mO}$ - The number of invitations received by the stakeholders for each meeting, $N_{IN(\ell)}$ - The total number of required participants in the TORs, $N_{INT}$	- The Performance for meetings held (%) is: $P_{IMP1} = N_{mo}/N_{mr}$ - For each meeting organized, the level of engagement is $p_{IMP2(i)} = N_{IN(i)} / N_{INT}$ . The overall level of engagement $P_{IMP2}$ is the average of all $p_{IMP2(i)}$ for all the meetings organized. The Level of implemtation of the coordination actions is estimated with: $Qc_2 = (p_{IMP1} + p_{IMP2})/2$	CAADP focal point, Ministry of Ag, Country teams
	3. Level of participation and inclusiveness <b>Qc</b> <sub>3</sub>	This measures the level of partcipation of all the organizations listed in the TORs as stakeholders of the coordination process. It is weighed at $W_3 = 25\%$	<ul> <li>Total number of organizations, N<sub>Org</sub></li> <li>Total number of meetings organized, N<sub>mO</sub></li> <li>Number of organizations present at each meeting, N<sub>Org</sub></li> </ul>	<u>The Level of Participation and inclusiveness is</u> <u>calculated with:</u> $Qc_3 = \sum(N_{Org}) / (N_{org} \times N_{mO})$	CAADP focal point, Ministry of Ag,
	4. Level of commitment to decisions, <i>Qc</i> 4	This measures the level of implementation (through translation in decisions) of recommandations made under the coordination mechanism . It is weighed at $w_{d} = 20\%$	<ul> <li>Total number of recommandations taken during the evaluation period, N<sub>RT</sub></li> <li>Total number of decisions taken with out of the number of recommandations druing the evaluation period, N<sub>DT</sub></li> <li>Number of decisions implemented, N<sub>DI</sub></li> </ul>	The level of commitment to decisions is calculated with: $Qc_4 = (N_{DI} / N_{RT})$	CAADP focal point, Ministry of Ag,
	5. Level of Representation, Qc 5	This measures the level of representation of the organisations in term of seniority attendance, at each of the meetings organized under the coordniation mechanism. It is weighed at $w_s = 20\%$	- Total expected senior attendances per meeting as reflected in the list of official nominees (number + seniority) in TORs for the involved organizations , $T_{SA}$ - Total number of meetings organized during the evaluation period, $N_{mO}$ - Observed senior attendances at each meeting, $O_{SAi}$	- For each meeting organized, the level of representation is $Qc_{5(i)} = O_{5A(i)} / T_{5A}$ . The Level of Representation is estimated with: $Qc_5$ = average $(Qc_{5(i)})$ or $Qc_5 = \sum O_{5A(i)} / (N_{mO} \times T_{5A})$	CAADP focal point, Ministry of Ag, Country teams

5. <u>Indicator</u> <u>Computing</u> For a given year, the **Existence of, and Quality of multi-sectorial and multi-stakeholder coordination body** in %, is :  $Qc = \sum (Qc_i \times w_i)_{i=1 \text{ to } 5}$ 

Theme 1		Commitment to CAADP pro	ocess					
Performance Category	PC 1.3	CAADP based Policy & Ir	nstitutional Review/ Setting/ Sup	port				
1. Objective of the PC	Strengthen exist Declaration goal		utional settings to successfully implem	ent NAIPs to achieve N	lalabo			
2. <u>Performance Target</u>	by the country t	vidence-based policies and institutions that support planning and implementation are established and implemented y the country to deliver on Malabo (reach 100% for the Evidence-based policies, supportive institutions and prresponding human resources, EIP ) by 2018.         eference in the Malabo Declaration:       Malabo Decl. 1(c), 2(b), 3(a) & 7(c)						
	<u>Reference in the</u>	Malabo Declaration:	Malabo Decl. 1(c), 2(b), 3(a) & 7(c)					
3. <u>Performance</u> Indicator	Indicator		Definition / Explanation					
		policies, supportive institutions ing human resources (EIP).	5 This indicator assesses three things: (i) the extent to which policies guiding the implementation of the NAIP are based on evidence; (ii) existence of supportive institutions; and, (iii) adequacy of human resources to implement the NAIP.					
4. Disaggragation	Parameter/ Unit	Definition	Data required	Computing Methods	d. Source			
	1. Evidence-based policies and strategies evidence: EPE	Extent to which policies, strategies and plans of the agricultural sector are anchored on evidence	<ul> <li>Total number of policies and strategies in the NAIP (TNP)</li> <li>Number of policies and strategies that are evidence-based (NEP)</li> </ul>	The Evidence-based policies will be given by: EPE = (NEP/TNP) × 100	CAADP focal point: ratings should be undertaken			
			Assessment through Experts opinion surveys on the extent to which policies and strategies are evidence based.		in inclusive multi- stakeholder			

		are evidence based.		stakeholder processes
2. Supportive institutions (laws and regulations): EPI	and regulations) are adequate to support	<ul> <li>Number of policies and strategies elements in the NAIP that require supportive institutions (laws and regulations) (NRI)</li> <li>Number of institutions (laws and regulations) that exist to support policies and strategies (NIP).</li> </ul>	, 0	CCAADP focal point: ratings should be undertaken in inclusive multi- stakeholder processes
3. Full-time equivalent staff dedicated to agricultural policy planning, implementation and M&E within the Ministry of agriculture: FTE	Adequacy (numbers and capacity) of full- time equivalent professionals dedicated to agricultural policy planning, implementation and M&E within the Ministry of agriculture	Professional personnel engaged calculated as equivalent full-time. • Number of required fulltime staff positions for planning and M&E (FTP) • Number of staffing positions filled (FTS)	FTE = (FTS/FTP) x 100	Ministry of agriculture, National data

5. <u>Indicator</u> <u>Computing</u> For a given year, the Evidence-based policies, supportive institutions and corresponding human resources, is EIP = (EPE + EPI + FTE)/3

**Performance theme 2: Investment Finance in Agriculture** 

Theme 2	Investment Finance in Agriculture				
Performance Category	PC 2.1i Public Expenditures to	Agriculture			
1. Objective of the PC	Allocate enough funds for agriculture in national budgets.				
2. <u>Performance Target</u>	Increase public expenditures to agriculture as part of national expenditures, to at least 10% from the year 2015 to 2025.				
	Reference in the Malabo Declaration:	Malabo Decl. 2(a)			
3. <u>Performance</u> Indicator	Indicator	Definition / Explanation			
	Public agriculture expenditure as share of total public expenditure ( <b>fPAE</b> ).	As adopted in Maputo in 2003 and Malabo in 2014, AU Heads of State and Government committed to allocate at least 10% of annual public expidutres to agriculture. The AU/NEPAD Guidance Note valdated in 2015 on the "Enhanced Measurement and Tracking of Government Expenditure for Agriculture and its Quality in Africa Countries" provides background on the composition of the agriculture sector and constitution of agriculture expenditure, thereby making clearer country progress toward compliance of the 10% agriculture expenditure target, and the rationale for appropriate levels of spending; and (2) the improvements in the quality of spending.			

4. Disaggragation	Parameter/ Unit	Definition	Data required	Computing Methods	d. Source
	currency unit (lcu): TPE	Expenses incurred in providing nonmarket or public goods and services to the country. This is limited in this profile to the expenses fo the General government sector, described <u>below</u> :	Expenses incurred in performing the different <i>i</i> functions of government (e.g. administration, economic, infrastructure, social, and public safety) based on the Classification of the Functions of Government (COFOG) and categorized according to <i>j</i> economic uses: (1) compensation of employees, (2) use of goods and services, (3) consumption of fixed capital, (4) interest, (5) subsidies, (6) grants, (7) social benefits, and (8) miscellaneous other expense. $[E_{ij}]$ .	TPE = ∑[ <i>TGE <sub>ij</sub></i> ]	IMF Government Finance Statisitics (GFS) Manual; AU Guidance note
		- General government sector, which includes central or federal, state, and local government units	Expenses incurred by the government sector in performning the different functions according to the different expenditure categories, also referred to as on-budget expenditure. [ <b>TGE</b> <sub>ij</sub> ]	Add up expense for all functions by all economic uses. ∑[ <i>TGE</i> <sub>ij</sub> ]	
	Agriculture Expenditure in local currency units (lcu): PAE	Expenses incurred on a set of administrative, construction, and operational support activities related to the production of crops, livestock, forestry, and fishing. This is limited in this profile to the expenses of General government sector described <u>below</u> :	Expenses incurred in performing different <i>i</i> agricultural subfunctions (e.g. policy and planning, research, extension, irrigation, infrastructure and marketing, farm support, other) according to the above <i>j</i> economic uses in the <i>k</i> agricultural subsectors [ <i>E</i> <sub>ijk</sub> ]. Notes: The main issue here is to identify the various agricultural subfunction performed by different public sector agents, considering multi-functional development projects as discussed tin the AU Guidance Note.	PAE = ∑[ <i>GAE ij</i> ]	IMF Government Finance Statisitics (GFS) Manual; AU Guidance note
		<ul> <li>General government sector, which includes central or federal, state, and local government units.</li> </ul>	Expenses incurred by the government sector in performning the different agriculture subfunctions according to the different expenditure categories, also referred to as on-budget expenditure. [ <i>GAE</i> <sub>ijk</sub> ]	Add up expense for all subfunctions by all economic uses in all subsectors. ∑[GAE <sub>ijk</sub> ]	
5. <u>Indicator</u> <u>Computing</u>	For a given year(t) <b><u>\$PAE = PAE x 100</u></b>		s share of total public expenditure (in	%), is:	L

Theme 2		Investment Finance in Agric	culture			
Performance Category	PC 2.1ii	Public Expenditures to	Agriculture			
1. <u>Objective of the PC</u>	Allocate enough	Allocate enough funds for agriculture in national budgets.				
2. <u>Performance Target</u>		Ensure adequate intensity of agricultural spending by keeping annual public agriculture expenditure as % of agriculture value added to no less than (or at a minimum of) 19% from the year 2015 to the year 2025.				
	<u>Reference in the</u>	Malabo Declaration:	Malabo Decl. 2(a) Average of t	op 10 ratios of GAEAg	IGDP	
3. <u>Performance</u> Indicator	Indicator		Definition / Explanation			
	Public Agricultur value added (PA	e Expenditure as % of agriculture E <sub>AgGDP</sub> ).	It is a measure of agricultural spending intensity of a country's agricultural expenditure commitr wide or an international context.			
4. Disaggragation	Parameter/ Unit	Definition	Data required	Computing Methods	d. Source	
	1. Public Agriculture Expenditure in local currency units (lcu): PAE	Refer to <mark>Profile PC 3.2 i</mark>		PAE		
	2. Agriculture Value Added (lcu): AgGDP	Refer to Profile PC 3.2 i		AgGDP		
5. <u>Indicator</u> <u>Computing</u>	For a given year, t	ne Public Agriculture Expenditure	as % of agriculture value added, PAE <sub>Al</sub>	<sub>gGDP</sub> = PAE x 100 / AgGD	P	

Theme 2		Investment Finance in Agrie	culture			
Performance Category	PC 2.1iii	Public Expenditures to	Agriculture			
1. Objective of the PC	-	Allocate enough funds for agriculture in national budgets. It is also intended to ensure donors are delivering on their financial comitments to support national plans				
2. <u>Performance Target</u>	The target is to	have 100% ODA disbursement ar	-	s is fully disbursed to c	ountries.	
	<u>Reference in the</u>	Malabo Declaration:	Malabo Decl. 2(a)			
3. <u>Performance</u> Indicator	Indicator		Definition / Explanation			
	ODA disbursed to agriculture as % of commitment (ODA).		This Indicator measures donor commitments to ensure that what is committed is actually disbused to countries to implement NAIPs. It also measures what is actually disbused and spent in country on the investment plans, as opposed to what is committed and spent at donor headquarters, or what is spent in country but not aligned with investment plans.			
4. Disaggragation	Parameter/ Unit	Definition	Data required	Computing Methods	d. Source	
	1. Official Development Assistance (ODA) for agriculture, livestock, forestry, and fishery, gross disbursements (US\$): agODAD	Actual ODA disbursed for activities related to the production of crops, livestock, forestry, and fishery.	Actual ODA disbursed by all donors through all channels in performing different <i>i</i> agricultural subfunctions (e.g. policy and planning, research, extension, irrigation, marketing, farm support, other) in the <i>k</i> agricultural subsectors [ <i>agODAD</i> <sub><i>ik</i></sub> ]. Notes: Channels include public sector, public private partnership, multilateral organizations, NGOs and civil society, etc.	Add up ODA disburesed for all subfunctions in all subsectors. ∑[ <i>agODAD</i> <sub>ik</sub> ]	OECD Creditor Reporting System (CRS); National data sources.	
	2. ODA for agriculture, livestock, forestry, and fishery, commitments (US\$): agODAC	ODA commitments made to support activities related to the production of crops, livestock, forestry, and fishery.	ODA commitements made by all donors through all channels to support performance of different <i>i</i> agricultural subfunctions (e.g. policy and planning, research, extension, irrigation, marketing, farm support, other) in the <i>k</i> agricultural subsectors [ <i>agODAC</i> <sub>ik</sub> ]	Add up ODA commitments for all subfunctions in all subsectors. ∑[ <i>agODAC</i> <sub>ik</sub> ]	OECD Creditor Reporting System (CRS) and Country Disbusement Figures as contained in National databases	
5. <u>Indicator</u> <u>Computing</u>	For a given year, C	DA disbursed to agriculture as %	of commitment, is ODA = agODAD x 1	00 / agODAC.		

Theme 2		Investment Finance in Agric	culture			
Performance Category	PC 2.2	Domestic Private Sector	Investment in Agriculture.			
1. <u>Objective of the PC</u>	Put in place or st	Put in place or strengthen mechanisms to attract <u>domestic private investment</u> in agriculture.				
2. <u>Performance Target</u>	Ensure that gov 2025.	Ensure that government investment leverage at least X times domestic private investment in agriculture sector b 2025.				
	<u>Reference in the</u>	Malabo Declaration:	Malabo Decl. 2(b) Average of to	op 10 ratios of tDPrPb		
3. <u>Performance</u> Indicator	Indicator		Definition / Explanation			
		ic private sector investment to estment in agriculture ( <b>ţDPrPb</b> ).	Private sector Investment is defined as any use increase future production output or income, t agriculture-related natural resources (soil, wat management, etc. Increased investment is the in the agricultural and other economic sectors. because it indicates that the investment is per	o improve the sustainable us er, etc.), to improve water or predominate source of ecom Private sector investment is	e of land omic growth critical	
			positive financial return and therefore is likely agricultural production. It shows the relative domestic private investme investments (GAE) in the agricitural sector.	to lead to sustainable increas	es in	
4. Disaggragation	Parameter/ Unit	Definition	Data required	Computing Methods	d. Sourc	
	1. Total Agricultural Investments, TAI	It is composed of all investments in the agricultural sector that includes government expenditue in agriculture, domestic private investment, foreign direct investment, and official development assistance and other sources of official flows. TAI data can be availed by country statistics.	TAI data can be availed by country statistics.	TAI	Governmen Monetary and Financial Statistics; FAO Statistical Division	
	2. Government Agriculture Expenditure (Icu), GAE	Expense incurred on a set of administrative, construction, and operational support activities related to the production of crops, livestock, forestry, and fishing <u>as defined in</u> <u>profile PC 2.1i</u>	GAE data can be availed by country statistics.	GAE	IMF Governmen Finance Statisitics (GFS) Manual; AL Guidance note	
	3. Official Development Assistance (ODA) for agriculture, forestry, and fishing, gross disbursements, agODAD	Actual ODA disbursed for activities related to the production of crops, livestock, forestry, and fishing <u>as</u> defined in profile PC 2.1iii	GAE data can be availed by country statistics.	agODAD	OECD Creditor Reporting System (CRS) and Country Disbuseme t Figures as contained i National	
	4. Foreign Direct Investment, FDI	Foreign private sector direct investment (FDI)	FDI data can be availed by country statistics.	FDI	National	
	Investment in	Composed of investment oriented loans provided by the banking sector to the agricultural sector, as well as private equity investments.	- TAI - GAE - agODAD - FDI	DPrIA = TAI - GEA - agODAD - FDI	Governmer Monetary and Financial Statistics; FAO Statistical Division	

5. <u>Indicator</u> <u>Computing</u> For a given year, the Ratio of domestic private sector investment to government investment in agriculture, is tDPrPb = (DPrIA / GAE) x 100.

Theme 2	Investment Finance in Agriculture				
Performance Category	PC 2.3	Foreign Private Sector D	irect Investment in Agriculture.		
1. <u>Objective of the PC</u>	Put in place or s	trengthen mechanisms to attract	foreign private direct investment in agr	iculture.	
2. <u>Performance Target</u>	Ensure that government investment leverage at least X times foreign private direct investment in agriculture sector b 2025.			sector by	
	Reference in the	Malabo Declaration:	Malabo Decl. 2(b) Average of to	p 10 ratios of ţFPrPb	
3. <u>Performance</u> Indicator	Indicator		Definition / Explanation		
-	-	private direct investment to estment in agriculture ( <b>ţFPrPb)</b> .	Private sector Investment is defined as any use increase future production output or income, to agriculture-related natural resources (soil, wate	r, etc.), to improve water or	e of land
	<u>SILENT</u>		management, etc. Increased investment is the p in the agricultural and other economic sectors. because it indicates that the investment is perce positive financial return and therefore is likely t agricultural production. It shows the relative foreign private investment investments (GAE) in the agricitural sector.	Private sector investment is a eived by private agents to pr o lead to sustainable increase	critical ovide a es in
	Doromotor / Unit	Definition	Data required	Computing Mothods	d Course

#### 4. Disaggragation

Parameter/ Unit	Definition	Data required	Computing Methods	d. Source
1. Foreign Direct Investment, FDI	Foreign private sector direct investment (FDI) in agriculture.	FDI data can be availed by country statistics.	FDI	Governmen Monetary and Financia Statistics; FAO Statistical Division
2. Government Agriculture Expenditure (Icu), GAE	Expense incurred on a set of administrative, construction, and operational support activities related to the production of crops, livestock, forestry, and fishing <u>as defined in</u> <u>profile PC 2.1i</u>	GAE data can be availed by country statistics.	GAE	IMF Government Finance Statisitics (GFS) Manual; AU Guidance note

### 5. <u>Indicator</u> Computing For a given year, the Ratio of foreign private direct investment to public investment in agriculture, is **t**FPrPb = (FDI / GAE) x 100.

Theme 2		Investment Finance in Agric	culture		
Performance Category	PC 2.4	Access to Finance			
1. Objective of the PC		of smallholder farmers/rural house asing inputs, machinery, storage te	eholds to and use of financial services f chnologies, etc.)	or the purposes of tran	sacting agricultural
2. <u>Performance Target</u>	Ensure that 100 business.	% of men and women engaged in	agriculture have access to financial se	ervices to be able to tra	nsact agriculture
	<u>Reference in the</u>	Malabo Declaration:	Malabo Decl. 2(c) and SDG goal1,	1.4	
3. <u>Performance</u> Indicator	Indicator		Definition / Explanation		
	•	en and women engaged in access to financial services,	Use of financial services is considered criti productivity. Financial services include sa microfinace, and insurance. The evidence use any of these services. Continued depe of the poor and inhibits their ability to tak and outside of agriculture as well as to ab Men and women considered in this profile older.	vings accounts, credit, dig is clear that women are le endence on cash perpetua e advantage of economic sorb shocks without fallin	ital payments, ess likely than men to tes the marginalization opportunities within g deeper into poverty.
4. Disaggragation	Parameter/ Unit	Definition	Data required	Computing Methods	d. Source
	1. Total number of men and women engaged in agriculture, NtAg	Total number number of men and women engaged in agriculture.	Basic demographics and poverty measurement (available through FII). - Total number of men engaged in agriculture, NtAgM - Total number of women engaged in agriculture, NtAgW	<b>NtAg =</b> NtAgM + NtAgW	Financial Inclusion Insight (FII) Survey by Intermedia
	2. Number of men and women engaged in agriculture that have access to financial services, NfsAg	Number of men and women engaged in agriculture who are financially included. Financial inclusion includes ownership of at least one of any financial service, including bank and non-bank financial institutions (bank and savings accounts), mobile money, etc.	<ul> <li>Number of men engaged in agriculture that have access to financial services, NfsAgM</li> <li>Number of women engaged in agriculture that have access to financial services, NfsAgW</li> </ul>	<b>NfsAg</b> = NfsAgM + NfsAgW	
5. <u>Indicator</u>	For a given year <b>ţAgFs</b> t = 100 x N		nen engaged in agriculture with access	to financial services, is	5:

Performance theme 3: Ending Hunger

Theme 3		Ending Hunger			
Performance Category	PC 3.1i	Access to Agriculture inp	uts and technologies		
1. Objective of the PC		ion of cost-effective & quality agri cks and forestry to boost agricultu	icultural inputs, irrigation, mechanizat Iral productivity.	ion, and agrochemicals	for crops,
2. <u>Performance Target</u>		n use of fertilizer for African agric rable land, from 2015 to 2025.	culture development at level of consu	Imption of at least 50 k	ilograms
	<u>Reference in the</u>	Malabo Declaration:	Malabo Decl. 3(a)		
3. <u>Performance</u> Indicator	Indicator		Definition / Explanation		
	Fertilizer consumption (kilogram of nutrients per hectare of arable land), (Fz)		Total Fertlizer Consumption (organic and/or inorganic) is divided by Arable Land and Permanent Crops Area to obtain Consumption in nutrients/Arable Land and Permane Crops Area.		
4. Disaggragation	Parameter/ Unit	Definition	Data required	Computing Methods	d. Source
	1. Total fertilizers consumption (N+P, N+P+K) in Kg, Fc	Quantity of Fertilizer in metric tons of plant nutrient consumed in agriculture by a country (FAO Code 5157)	Nitrogen Fertilizers (N total nutrients) (FAOSTAT code 3102) Phosphate Fertilizers (P205 total nutrients) (FAOSTAT code 3103) Potash Fertilizers (K20 total nutrients) (FAOSTAT code 3104)	Total fertilizers consumption (N+P, N+P+K): Different fertilizers reported are summed to obtain total fertilizers consumption. Fc <sub>i</sub> Fc = Sum (Fc <i>i</i> )	FAO
	2. Arable Land and Permanent Crops in hectare, L	<ul> <li>Arable land is the land under temporary agricultural crops (multiple-cropped areas are counted only once), temporary meadows for mowing or pasture, land under market and kitchen gardens and land temporarily fallow (less than five years). The abandoned land resulting from shifting cultivation is not included in this category.</li> <li>Permanent crops is the land cultivated with long-term crops which do not have to be replanted for several years (such as cocoa and coffee); land under trees and shrubs producing flowers, such as roses and jasmine; and nurseries (except those for forest trees, which should be classified under "forest"). Permanent meadows and pastures are excluded from land under permanent crops.</li> </ul>	Permanent crops area (FAOSTAT code 6650)	Total Fertilizer Consumption is divided by Arable Land and Permanent Crops Area to obtain Consumption in nutrients/Arable Land and Permanent Crops Area; L <sub>1</sub> L = Sum (L <sub>1</sub> )	FAO
	For any given year Fc /L	(t) the Fertilizer consumption (kil	ogram of nutrients per hectare of aral	ble land), is given by the	ratio Fz =

Theme 3		Ending Hunger			
Performance Category	PC 3.1ii	Access to Agriculture inp	uts and technologies		
1. Objective of the PC	Promote utilization of cost-effective & quality agricultural inputs, irrigation, mechanization, and agrochemicals for crops, fisheries, livestocks and forestry to boost agricultural productivity.				
2. Performance Target	Increase the siz	e of irrigated areas (as per its valu	ue observed in the year 2000), by 100	% by the year 2025.	
	Reference in the	e Malabo Declaration:	African Water Vision 2025		
3. <u>Performance</u> Indicator	Indicator		Definition / Explanation		
	Growth rate of the size of the y	the size of irrigated areas from rear 2000 ( <b>RiIA</b> ).	The Irrigated areas (IA) is the total area e of irrigated areas (RiIA) is the change (%) i		growth rate
4. Disaggragation	Parameter/ Unit	Definition	Data required	Computing Methods	d. Source
	1. Irrigated areas (IA2000)	Total areas under irrigation in the country, as reported in the year 2000.	Indentifed areas in the country that are under irrigation in the year 2000.	Sum of all the recorded areas.	
	2. Irrigated areas (IA <sub>t</sub> )	Total areas under irrigation in the country, as reported for the year of the velauation, the year <i>t</i> .	Indentifed areas in the country that are under irrigation in the year <i>t</i> .	Sum of all the recorded areas.	
5. <u>Indicator</u> <u>Computing</u>	For a given year	For a given year(t), the Growth rate of the size of irrigated area (in %), is: $RiIA = 100 \times (IA_t - IA_{2000})/IA_{2000}$			

Theme 3		Ending Hunger				
Performance Category	PC 3.1iii	Access to Agriculture inp	uts and technologies			
1. Objective of the PC		Promote utilization of cost-effective & quality agricultural inputs, irrigation, mechanization, and agrochemicals for crops, fisheries, livestocks and forestry to boost agricultural productivity.				
2. Performance Target		ncrease) the current levels of qua the year 2025 from the year 201	lity agricultural inputs for crops (seed 5.	), livestock (breed), and	d fisheries	
	<u>Reference in the</u>	Malabo Declaration:	Malabo Decl. 3(a)			
B. <u>Performance</u> Indicator	Indicator		Definition / Explanation			
	agriculture inpu	the ratio of supplied quality ts (seed, breed, fingerlings) to al inputs requirements for the [1].	Inputs (quality seed of improved varieties, imp supplied or sold compared to national input re extent to which quality inputs is utilized to boo commodity.	quirements. This is a measure	e of the	
1. Disaggragation	Parameter/ Unit	Definition	Data required	Computing Methods	d. Source	
	1. Total national quality agriculture inputs requirement for the considered commodity <i>i</i>	<ul> <li><u>Crops:</u> the quantity of seed (of improved and local varieties) required to cultivate the total area of at least one selected crop from the 5 priority value chains.</li> </ul>	- <u>Crops:</u> *Total area cultivated using seed of improved and local varieties of the selected crop, Ac <sub>i</sub> *Recommended seed rate of the selected crop, Rs <sub>i</sub>	- <u>Crops:</u> AgIR <sub>i</sub> = Ac <sub>i</sub> x Rs <sub>i</sub>	National Statistics FAO	
	(AgIR; )	<ul> <li><u>Livestock (cattle, sheep, goat, piq)</u>; the total number of female cattle at a reproducive age.</li> <li><u>Livestock (poultry)</u>; the total number of</li> </ul>	- <u>Livestock (cattle, sheep, qoat, piq)</u> : NfcRa - <u>Livestock (poultry</u> ): Nch	- <u>Livestock (cattle, sheep,</u> <u>goat, pig)</u> : AgIR <sub>1</sub> = NfcRa - <u>Livestock (poultry)</u> :		
		chicken. - <u>Fish:</u> the total capacity (in number of fish) of fish ponds.	- <u>Fish</u> : Cfp	AgIRi = Nch - <u>Fish</u> : AgIRi = Cfp		
	2. Supplied quality agriculture inputs for the commodity <i>i</i> (AgIS <sub>i</sub> )	<ul> <li><u>Crops:</u> Quality seed of improved varieties of the selected crop sold to farmers for planting.</li> </ul>	- <u>Crops:</u> *Total amount of quality seed of improved of varieties sold for the commodity i , QqSivS	- <u>Crops:</u> AgIS <sub>i</sub> = QqSivS (counting)	National Statistics FAO	
		<ul> <li><u>Livestock (cattle, sheep, qoat, piq)</u>: the number of female cattle at a reproducive age that are artificially inseminated.</li> </ul>	- <u>Livestock(cattle, sheep, goat, pig)</u> : NfcRal - <u>Livestock (poultry)</u> : N <sub>DOC</sub>	- <u>Livestock (cattle, sheep,</u> <u>aoat, pia)</u> : AgIS <sub>i</sub> = NfcRal		
		<ul> <li><u>Livestock (poultry)</u>: the number of Day Old Chicks (DOC) supplied or sold.</li> <li><u>Fish</u>: number of improved fingerlings</li> </ul>	- <u>Fish</u> : N <sub>Fgl</sub>	- <u>Livestock (poultry)</u> : AgIS <sub>i</sub> = N <sub>DOC</sub>		
		supplied or sold.		$-\frac{\text{Fish}}{AgIS_i} = N_{Fgl}$		
	3. Ratio of supplied quality agriculture inputs to the total national inputs	<ul> <li><u>Crops</u>: Extent to which quality seed of improved varieties is used nationally by farmers.</li> </ul>	<ul> <li><u>Crops</u>:</li> <li><u>Livestock</u> (cattle, sheep, goat, pig) :</li> </ul>	- <u>Crops:</u> - <u>Livestock (cattle, sheep,</u> <u>goat, pig)</u> :	FAOstat or national data	
	requirements for the commodity $(R_i)$	<ul> <li><u>Livestock (cattle, sheep, qoat, piq)</u>:</li> <li>Extent to which improved breeds is used at national level by farmers.</li> </ul>	- <u>Livestock</u> (poultry) : - <u>Fish</u> :	- <u>Livestock</u> (poultry) : - Fish:		
		<ul> <li><u>Livestock (poultry)</u>: Extent to which the DOC are used at the national level by farmers.</li> </ul>	AgIR; and AgIS;	R <sub>i</sub> = AgISi / AgIRi		
		<ul> <li>Fish: Extent to which the imporved fingerlings are used at the national level by farmers.</li> </ul>				

Theme 3		Ending Hunger	
Performance Category	PC 3.1iv	Access to Agriculture in	puts and technologies
1. <u>Objective of the PC</u>	Promote utilization of cost-effective & quality agricultural inputs, irrigation, mechanization, and agrochemicals for crops, fisheries, livestocks and forestry to boost agricultural productivity.		
2. <u>Performance Target</u>	All farmers have access to quality agricultural advisory services that provide locally relevant knowledge, information and other services. Reference in the Malabo Declaration: Malabo Decl. 3(a), SDG Target		
3. <u>Performance</u> Indicator	Indicator		Definition / Explanation
	•	mers having access to sory Services (FAgAS)	Agricultural extension is the function of providing need- and demand-based knowledge in agronomic techniques and skills to rural communities in a systematic, participatory manner. This indicator is the percentage of farmers having access to Agricultural Advisory Services through training, information sharing, and other extension support related services to farmers and small-to-medium enterprises in rural value chains .

4. Disaggragation	Parameter/ Unit	Definition	Data required	Computing Methods	d. Source
	1. Number of farmers <sup>(1)</sup> having access to Agricultural Advisory Services, NFAgAS	Farmers having access to Agricultural Advisory Services (ASS) through training, information sharing, and other extension support related services to farmers and small-to-medium enterprises in rural value chains. The AAS can be provided through public extension services, Agribusiness private companies, CSOs, Farmer organizations, Cooperatives. The advisory service can be organized through physical trainings, ICT, Video, Pamphlet, training shool farms etc.	agricultural extension workers	Sum of all recorded farmers covered by extention workers or having access to AAS by other means	Administrati ve data, and/or agricultural- based household survey
	2. Total Number of farmers, NF	Total number of farmers involved in crop production, livestock, fishery and forestry.		Sum of all recorded farmers	Administrati ve data, and/or agricultural- based household survey
5. <u>Indicator</u> <u>Computing</u>	For a given year(t) AFAgAS <sub>i</sub> = (NFAgA		g access to Agricultural Advisory Servi	ces is ,	

(1)

(1) Number of <u>farmer households</u> can be used to calculate the ratio, if that is the data rather collected by the country.

Theme 3		Ending Hunger					
Performance Category	PC 3.1v	Access to Agriculture inp	uts and technologies				
1. Objective of the PC		Promote utilization of cost-effective & quality agricultural inputs, irrigation, mechanization, and agrochemicals for crops, isheries, livestocks and forestry to boost agricultural productivity.					
2. Performance Target	Increase the level 2015 to 2025.						
	<u>Reference in the</u>	Malabo Declaration:	Malabo Decl. 3(a)				
3. <u>Performance</u> Indicator	Indicator		Definition / Explanation				
	AgGDP ( <b>ţTARS</b> )	Il Research Spending as a share of	Total agricultural R&D spending (excl. private for insights into relative levels of agricultural R&D is should be noted, however, that they do not tak environment within which agricultural research country's agricultural sector and economy, or q across countries, so they need to be interpreted data is divided by total AgGDP values taken from	nvestment across countries an e into account the policy and in occurs, the broader size and s ualitative differences in resear d with care (ASTI). Agricultural	d over time. It nstitutional tructure of a ch performance R&D spending		
4. Disaggragation	Parameter/ Unit	Definition	Data required	Computing Methods	d. Source		
	Research Spending, TARS	ASTI's national agricultural research expenditure data is categorized as salary- related expenses, operating and program costs, and capital investments by government, nonprofit, and higher education agencies. Data on spending by private entities are excluded, due to lack of availability. Agricultural R&D spending (excluding the private for-profit sector)	- Salaries (W)=FTE phd * Wphd +FTE msc*Wmsc+FTEbsc*Wbsc - Program and Operation Cost (POC) - Capital Investment (CI)	TARS= W +POC +CI	ASTI (www.asti.cgia r.org/data)/ Countires/ NARS/NARIs		
	2. Agriculture, value added , AgGDP	Refere to profile PC 3.2i		AgGDP	Countries/Nati onal Bureau of Statistics/WDI		
5. <u>Indicator</u> <u>Computing</u>	For a given year,	the Total Agricultural Research Sp	l pending as a share of AgGDP, is <b>tTARS</b>	=TARS/AgGDP x 100	1		

Theme 3	Eradicating Poverty throug	h Agriculture
Performance Category	PC 3.1vi Access to Agriculture inp	uts and technologies
1. Objective of the PC	Promote utilization of cost-effective & quality agri fisheries, livestocks and forestry to boost agricultu	cultural inputs, irrigation, mechanization, and agrochemicals for crops, ral productivity.
2. <u>Performance Target</u>	Ensure that 100% of farmers and agribusiness int	erested in agriculture have rights to access the required land.
	Reference in the Malabo Declaration:	Malabo Decl. 4(c) , SDG goal
3. <u>Performance</u> Indicator	Indicator	Definition / Explanation
	Proportion of farm households with ownership or secure land rights ( <b>ţHhSL</b> ).	Land is the key resource needed for agricultural production and there is widespread evidence that secure land tenure is necessary for investment in new technologies and sustainable practices. While men face a set of potential causes of tenure insecurity, such as a poorly functioning legal system and potential takeovers from powerful elites or the government, women face an additional layer of tenure insecurity if their rights are not recognized by the family, community, or law. The ideal measure would be secure land tenure as reported by men and women themselves. The social and legal context regarding land ownership varies across countries. The definition of ownership will be defined appropriately for each context. For example, when the state officially owns all of the land, ownership could be defined as those with land use certificates. This indicator includes those who own land individually and those who own it jointly as landowners, although the rights associated with individual and joint ownership may differ, and may differ across contexts. This indicator, the share of rural adult women [men] who own land, is preferable to another widely used indicator, the percentage of landowners who are women [men]. The former uses all women [men] as the denominator, while the latter uses the number of landowners. The disadvantage of the latter measure is that we lose information on how many or few people own land.

4. Disaggragation	Parameter/ Unit	Definition	Data required	Computing Methods	d. Source
	farm households in	Rural farm households are those engaged in any form of agriculture (livestock, crops, fisheries)	Demographic data, agricultural census. Best to disaggregate this indicator to show ownership by gender (male, female, joint), as the gender dimension of land ownership is a critical inclusivity indicator.		LSMS-ISA or FAO Gender & Land Rights Database
	2. Number of farm HHs with secured land rights , NFHhSL	Number of households where at least one member is able to demonstrate through documentation ownership rights of property. Land ownership is defined according to local context, and the definition of ownership varies across countries. Only some surveys reflect joint owndership.		Duplicates, urban households, men/women less than 18 years old and missing data excluded. Results are unweighted	LSMS-ISA or FAO Gender & Land Rights Database

5. Indicator

For a given year(t), the *proportion of farm households with ownership or secure land rights, \thSL is : \thSL<sub>t</sub> = 100 x NFHhSL<sub>i</sub> / N<sub>T</sub>FHh<sub>t</sub>* 

Theme 3		Ending Hunger			
Performance Category	PC 3.2i	Agricultural Productivity			
1. <u>Objective of the PC</u>	Increase agricult	ural productivity.			
2. <u>Performance Target</u>	Double (100% ir	ncrease) the current agricultural la	abor productivity levels by the year 2	025 from the year 201	5.
	<u>Reference in the</u>	Malabo Declaration:	Malabo Decl. 3(a)		
3. <u>Performance</u> Indicator	Indicator		Definition / Explanation		
-		griculture value added, in ars, per agricultural worker	Agriculture value added per worker is a measu in agriculture measures the output of the agric Industrial Classification of All Economic Activiti- value of intermediate inputs. Agriculture comp and fishing as well as cultivation of crops and li 2016).	ultural sector (International S es, Rev.4 or ISIC divisions 1-5) rises value added from fores	Standard   less the try, hunting,
4. Disaggragation	Parameter/ Unit	Definition	Data required	Computing Methods	d. Source
	US dollars (AgGDP)	Agriculture corresponds to ISIC divisions 1-5 and includes forestry, hunting, and fishing, as well as cultivation of crops and livestock production. Value added is the net output of a sector after adding up all outputs and subtracting intermediate inputs. It is calculated without making deductions for depreciation of fabricated assets or depletion and degradation of natural resources. The origin of value added is determined by the International Standard Industrial Classification (ISIC), revision 3 (WDI, World Bank, 2016).	Total agricultural value added in constant US dollars (AgGDP)		National Statistics WDI FAO
	worker (W)	The term "agricultural workers" is used in preference to "farmworkers" as it better reflects the broad nature of plantations, horticulture, primary agricultural processing and fish-farming, and recognizes that waged agricultural workers form part of the larger rural workforce (FAO, ILO, and IUF, 2007)	Total number of agricultural workers (W)		National Statistics WDI FAO
	3. Agricultural value added per agricultural worker (constant 2010 USD), AgW	Total agriculture value added, divided by total number of agricultural workers for years 2011-2015.		AgW=AgGDP/W	
	4. Baseline value of the AgW (AgW <sub>2015</sub> )	The baseline value is an average of five- year value, from 2011 to 2015.		AgW <sub>2015</sub>	

Computing

 $tAgW_i = 100 \times (AgW_t - AgW_{2015}) / AgW_{2015}$ 

Theme 3		Ending Hunger			
Performance Category	PC 3.2ii	Agricultural Productivity			
1. <u>Objective of the PC</u>	Increase agricult	ural productivity.			
2. <u>Performance Target</u>			al land productivity levels, by the year Malabo Decl. 3(a)	2025 from the year 20	)15.
2. Desta	<u>Rejerence in the</u>	Malabo Declaration:			
3. <u>Performance</u> Indicator	Indicator		Definition / Explanation		
		griculture value added, in ar, per hectare of agricultural ${f L}$ ).	Agriculture value added per hectare of land is a Agriculture comprises value added from forestr cultivation of crops and livestock production (V	ry, hunting, and fishing as we	-
4. Disaggragation	Parameter/ Unit	Definition	Data required	Computing Methods	d. Source
	1. Agriculture added value in constant US dollars (AgGDP)	Refere to profile PC 3.2i In this specific case, consider <u>AqGDP</u> <u>minus the contribution for the fisheries</u> (Total AgGDP - fisheries GDP)	<u>Revised</u> total agricultural value added, at constant 2010 U.S. dollars (AgGDP revised).		National Statistics WDI FAO
	2. Agricultural arable land (L)	Arable land (hectares) includes land defined by the FAO as land under temporary crops (double-cropped areas are counted once), temporary meadows for mowing or for pasture, land under market or kitchen gardens, and land temporarily fallow. Land abandoned as a result of shifting cultivation is excluded.	Total agricultural arable land in hectare (L)		National Statistics WDI FAO
	3. Agriculture value added per hectare of agricultural arable land (AgL)	Agriculture value added divided by total agricultural arable land in hectare.		AgL=AgGDP/L	
	4. Baseline value of the agriculture value added per hectare of agricultural arable land (AgL <sub>2015</sub> )	The baseline value is an average of five- year value, from 2011 to 2015.		AgL <sub>2015</sub>	

5. <u>Indicator</u> <u>Computing</u> For a given year(t), the Growth rate of agriculture value added, at constant US dollars, per hectare of agricultural arable land (in %), is :  $t_{AgL_t} = 100 \times (AgL_t - AgL_{2015}) / AgL_{2015}$ 

Theme 3		Ending Hunger			
Performance Categor	PC 3.2iii	Agricultural Productivity			
1. <u>Objective of the PC</u>	Increase agricul	tural productivity.			
2. Performance Target	Double (100% in	ncrease) the current agricultural y	ield levels, by the year 2025 from the	year 2015.	
	Reference in the	Reference in the Malabo Declaration: Malabo Decl. 3(a)			
3. <u>Performance</u> Indicator	Indicator		Definition / Explanation		
	commodities, ar	yields for the 5 national priority nd possibly for the 11 AU rity commodities(*) ( ${ m Y}$ ).	Production per unit of area for products. In mo but obtained by dividing the production data by		
4. Disaggragation	Parameter/ Unit	Definition	Data required	Computing Methods	d. Source
	1. Total production for individual commodity (Pd, )	Production data refer to the actual harvested production from the field or orchard and gardens, excluding harvesting and threshing losses and that part of crop not harvested for any reason. Production therefore includes the quantities of the commodity (crop, livestock products, fish, etc) sold in the market (marketed production) and the quantities consumed or used by the producers (auto-consumption) (FAO).	Production for individual commodity, in ton (t)		National Statistics FAO
	2. Total size of the production unit for individual commodities (L <sub>i</sub> )	Production unit can be expressed in term of surface of land on which a crop is grown, cattle for livestock, etc	Size of the production unit for individual commodities (hectare for crops, cattle for livestock, etc)		National Statistics FAO
	3. Yield (Y <sub>i</sub> )	Total production divided by total area for products.		$Y_i = Pd_i / L_i$	FAOstat or national data
	4. Baseline value $(Y_{2015})$ of the yield	The baseline value $(Y_{2015})$ is an average of three to five-year value, from 2011 to 2015.		Y <sub>2015</sub>	

(\*) The 11 AU priority commodities are:

-Rice, -Maize, -Legumes, -Cotton, -Oil palm, -Beef, -Dairy, -Poultry and fisheries, -Cassava, -Sorghum and -Millet.

Theme 3		Ending Hunger					
Performance Category	PC 3.3	Post-Harvest Loss					
1. <u>Objective of the PC</u>	0	rovide logistics support to all stages of the food production chain (field/harvest, storage, processing, transportation, final etail market) to limit degradation both in quantity and in quality of the produced food.					
2. <u>Performance Target</u>	Halve (decrease	by 50%) the current levels of Pos	st-Harvest Losses (PHL), by the year 2	025 from the year 2015			
-	Reference in the	Malabo Declaration:	Malabo Decl. 3(b)				
3. <u>Performance</u> Indicator	Indicator		Definition / Explanation				
	least) the 5 natio	of Post-Harvest Losses for (at onal priority commodities, and 11 AU agriculture priority (tPHL).	Percentage of total production that is lost (qu all the phases of the post-harvest system for p report, post-haverst losses (PHL) is stricted to storage, transport, processing, packaging and	priority products. For the purp the losses that occur during h	ose of this		
4. Disaggragation	Parameter/ Unit	Definition	Data required	Computing Methods	d. Source		
I	1. Production in million of tons (Pd <sub><i>i</i>,<i>t</i></sub> )	Production is the total actual harvest excluding any losses, and the part of the product not harvested for any reason. It includes quantities of the commodity sold in the market and quantities consumed or used by the producers.	Weight of crop and animal production		National source or FAO or APHLIS		
	2. Loss in million of tons (Ls <sub><i>i</i>,<i>t</i></sub> )	Food losses refers to any loss by deterioration or waste. The term "loss" includes both food loss and food waste. Depending on the availability of data, wastage or PHL at the strict sense will be used and comparison from one year to the other will be made in a consistent manner.	Weight of damaged or lost product/commodity at each stage of the following stages of post-harvest system that includes: - Loss at Harvesting; L <sub>hv</sub> - Loss at Storage; L <sub>st</sub> - Loss at Transport; L <sub>tr</sub> - Loss at Processing <sup>(*)</sup> ; L <sub>Pr</sub> - Loss at Packaging; L <sub>pc</sub> - Loss at Sales; L <sub>st</sub>	The total loss of the commodity <i>i</i> is: $LS_i = L_{hv} + L_{st} + L_{tr} + L_{pr}$ $+ L_{pc} + L_{sl}$	National source or FAO or APHLIS		
		Post-harvest loss the commodity <i>i,</i> during the year t		PHL <sub>it</sub> = (LS <sub>it</sub> /Pd <sub>it</sub> )x 100	FAOstat or national data		
-	the PHL to be	The value of the Post-harvest loss for the commodity <i>i, t</i> o be considered for the baseline year 2015.		PHL <sub><i>i.av</i></sub> = average (PHL <sub><i>i</i>.t</sub> ) ) <sub>t= 2011 to 2015</sub>	FAOstat or national data		
	5. The Reduction rate of Post- Harvest Losses of the commodity <i>i</i> at the year <i>t</i> is:	Toward achieving the commitment on the PHL, the reduction rate of the PHL for the commodity <i>i</i> , at a year <u>t &gt;2015</u>		ţPHL <sub>i.t</sub> = 100 × (PHL <sub>i.av</sub> - PHL <sub>i.t</sub> ) / PHL <sub>i.av</sub>			

(\*) The 11 AU priority commodities are:

-Rice, -Maize, -Legumes, -Cotton, -Oil palm, -Beef, -Dairy, -Poultry and fisheries, -Cassava, -Sorghum and -Millet.

(\*) Ensure consistancy in estimating the loss while using appropriate correction. For processed products, the losses should be divided by the processing coefficient.

Theme 3		Ending Hunger			
Performance Category	PC 3.4	Social Protection			
1. <u>Objective of the PC</u>	-	s for increased agricultural productivity with ed budget lines within our national budgets f		n vulnerable social grou	ps through
2. <u>Performance Target</u>		ional budgets, budget lines that amount to i to 2025, for use to support social protection rity implications.		-	
	<u>Reference in the M</u>	alabo Declaration:	Malabo Decl. 3(c)		
3. <u>Performance</u> Indicator	Indicator		Definition / Explanation		
		social protection as percentage of the irements for coverage of the vulnerable	The <u>Budget lines on social protection (SP)</u> for fa amount of money that the country allocates for assistance to farm individuals, households or cc (CT); emmergency food supplies (EFS); school f (input supplies water services, livestock protect vulnerable children programme, etc.) that prot risks on an ogoing basis or in times of emmerge calculation should be spend on farm individuals communities not engaged in agricultural activiti The total resource requirements for coverage o vulnerability assessment of the country.	preventive, protective, prom mmunities. This may be in th eeding (SF) programmes; or c ion programme, national pen tect vulnerable farming house ncy/disasters. All component , households, or communities ies.	otive or transformative e form of cash transfers ther protective services sion scheme, orphan ar eholds against livelihood s included in the s as opposed to urban
4. Disaggragation	Parameter/ Unit	Definition	Data required	Computing Methods	d. Source
	1. Budget Allocation to social protection Cash Transfers for food and cash reserves (BA <sub>CT</sub> )	Budget allocation to social protection in form of cash transfers (CT) for food and cash reserves, to farm individuals, households or communities that helps to protect aginst livelihood risks.	BA <sub>CT</sub>		National government budget records National Bureau of Statistics
	2. Budget Allocation to social protection Emergency Food Supplies (BA <sub>EFS</sub> )	Budget allocation to social protection in form of emmergency food supplies (EFS) to farm individuals, households or communities. This include hunger safety, famine, or any other disaster or emmergency. Costs of strenghtening early warning systems for advanced and proactive responses are included in this category.	BA <sub>EFS</sub>		National government budget records National Bureau of Statistics
	3. Budget Allocation to social protection School Feeding (BA <sub>SF</sub> )	Budget allocation to social protection in form of school feeding (SF) to farming communities.	BA <sub>SF</sub>		National government budget records National Bureau of Statistics
	4. Budget Allocation to social protection Other protective services (BA <sub>Other</sub> )	Budget allocation to social protection (not covered above) promotive or transformative of agriculture eg. input support and other services like water orr livestock protection e.g. vaccinations etc. including national pension scheme, orphan and vulnerable children programme, etc.)	BA <sub>Other</sub>		National government budget records National Bureau of Statistics
	5. Total Budget Allocation to social protection (TBA <sub>SP</sub> )	Sum of all the above budget allocations on social protection.		$TBA_{SP} = BA_{CT} + BA_{EFS}$ $+ BA_{SF} + BA_{Other}$	National government budget records National Bureau of
	6. Total Budget Requirements for	Total resource requirements for coverage of the vulnerable social groups that is derived from the		TBR <sub>SP</sub>	Statistics National government budget records

5.	Indicator
	Computing

For a given year(t), the Budget lines on social protection as percentage of the total resource requirements for coverage of the vulnerable social groups (in %), is:  $\$SP_t = 100 \times TBA_{SPt} / TBR_{SPt}$ 

social protection

(TBR<sub>SP</sub>)

or has access to study on vulnerability assessment.

This is with the assumption that every country conveys

vulnerability assessment of the country.

Statistics

National Bureau of

Theme 3		Ending Hunger				
Performance Category	PC 3.5i	Food security and Nutritic	on			
1. <u>Objective of the PC</u>	Africa, by bringir	-	and in particular, the elimination of hu rweight, child wasting, and child unde	-		
2. <u>Performance Target</u>	Bring down chile	Bring down child stunting to 10%, by the year 2025.				
	Reference in the	Malabo Declaration:	Malabo Decl. 3(d)			
3. <u>Performance</u> Indicator	Indicator		Definition / Explanation			
	Prevalence of str years old) (St).	unting (% of children under 5	Stunting is a height-for-age measurement that This indicator measures the percent of children by a height for age Z score < -2. Although differ measured, this indicator measures the prevaler severe stunting combined. While stunting is dif and most stunting occurs in the -9-23 month ra all children under 59 months to capture the im- align with DHS data.	0-59 months who are stunte ent levels of severity of stunt nce of all stunting, i.e. both n ficult to measure in children nge (1,000 days), this indicat	ed, as defined ing can be noderate and 0-6 months or reports on	
4. Disaggragation	Parameter/ Unit	Definition	Data required	Computing Methods	d. Source	
	1. Percent of children 0-59 month of age in the sample that is stunted (St)	Percent of children 0-59 months of age in the sample with a height for age Z-score of <-2 SD.	Total number of children 0-59 months of age in the sample (T) Number of children 0-59 months of age in the sample that are stunted (S)	St = S/T*100 The numerator for this indicator is the total number of children 0-59 months in the sample with a height for age Z score < - 2. The denominator is the total number of children 0- 59months in the sample with height for age Z score data.	WHO, DHS surveys, UNICEF MICS	
	children 0-59	Percent of male children 0-59 months of age in the sample with a height for age Z- score of <-2 SD	Total number of male children 0-59 months of age in the sample (Tm) Number of male children 0-59 months of age in the sample that are stunted (Sm)	Stm = Sm/Tm*100	WHO, DHS surveys, UNICEF MICS	
	3. Percent of female children 0- 59 month of age in the sample that is stunted (Hw)	Percent of female children 0-59 months of age in the sample with a height for age Z-score of <-2 SD		Stf = Sf/Tf*100	WHO, DHS surveys, UNICEF MICS	
5. <u>Indicator</u> <u>Computing</u>	For a given year(	(t), the <b>Prevalence of stunting (%</b>	of children under 5 years old) (in %), i	$\mathbf{s}: \mathbf{St}_t = \mathbf{St}$	•	

Theme 3		Ending Hunger			
Performance Category	PC 3.5ii	Food security and Nutritic	on		
1. <u>Objective of the PC</u>	Promote initiatives to improve nutritional status, and in particular, the elimination of hunger and child under nutrition in Africa, by bringing down child stunting, child underweight, child wasting, and child undernourishment; and improving dietary diversity for women and children.				
2. <u>Performance Target</u>	Bring down underweight to 5% or less, by the year 2025.				
ĺ	Reference in the Malabo Declaration: Malabo Decl. 3(d)				
3. <u>Performance</u> Indicator	Indicator		Definition / Explanation		
	Prevalence of ur years old) (Uw).	nderweight (% of children under 5	Underweight is a weight-for-age measurement. Underweight is a reflection of acute and/or chronic undernutrition. This indicator measures the percent of children 0-59 months who are underweight, as defined by a weight for age Z score < -2. Although different levels of severity of underweight can be measured, this indicator measures the prevalence of all underweight, i.e. both moderate and severe underweight combined.		
4. Disaggragation	Parameter/ Unit	Definition	Data required	Computing Methods	d. Source
	1. Percent of children 0-59 months of age in the sample that is underweight (Uw)	Percent of children 0-59 months of age in the sample with a weight for age Z-score of <-2 SD.	Total number of children 0-59 months of age in the sample (T) Number of children 0-59 months of age in the sample that are underweight (U)	Uw = U/T*100 The numerator for this indicator is the total number of children 0-59 months in the sample with a weight for age Z score < - 2. The denominator is the total number of children 0- 59 months in the sample with weight for age Z score data.	WHO, DHS surveys, UNICEF MICS
	children 0-59	Percent of male children 0-59 months of age in the sample with a weight for age Z- score of <-2 SD	Total number of male children 0-59 months of age in the sample (Tm) Number of male children 0-59 months of age in the sample that is underweight (Um)	Uwm = Um/Tm*100	WHO, DHS surveys, UNICEF MICS
	3. Percent of female children 0- 59 month of age in the sample that is underweight (Uwf)	Percent of female children 0-59 months of age in the sample with a weight for age Z-score of <-2 SD	Total number of female children 0-59 months of age in the sample (Tf) Number of female children 0-59 months of age in the sample that is underweight (Uf)	Uwf = Uf/Tf*100	WHO, DHS surveys, UNICEF MICS
5. <u>Indicator</u> <u>Computing</u>	For a given year(t), the <b>Prevalence of underweight (% of children under 5 years old)</b> (in %), is : $Uw_t = Uw$				

TECHNICAL GUIDELINES for preparing Country Report on progress made in implementing the Malabo Declaration

Theme 3		Ending Hunger						
Performance Category	PC 3.5iii	Food security and Nutritic	on					
1. Objective of the PC	Africa, by bringing	romote initiatives to improve nutritional status, and in particular, the elimination of hunger and child under nutrition in frica, by bringing down child stunting, child underweight, child wasting, and child undernourishment; and improving ietary diversity for women and children.						
2. <u>Performance Target</u>	Bring down was	ring down wasting to 5% or less, by the year 2025.						
	<u>Reference in the</u>	Malabo Declaration:	Malabo Decl. 3(d) & the Africa Region	al Nutrition Strategy (A	NRNS)			
3. <u>Performance</u> Indicator	Indicator		Definition / Explanation					
	Prevalence of wasting (% of children under 5 old) (W). This indicator measures the percent of children 0-59 months with acute malnutridefined by a weight for height Z score < -2. Although different levels of severity of wasting can be measured, this indicator measures the prevalence of all wasting, moderate and severe wasting combined.				rity of			
4. Disaggragation	Parameter/ Unit	Definition	Data required	Computing Methods	d. Source			
	1.Percent of children 0-59 months of age in the sample that are wasted	Percent of children 0-59 months of age in the sample with a weight for height Z- score of <-2 SD	Total number of children 0-59 months of age in the sample (T) Number of children 0-59 months of age in the sample that are wasted (W)	Wa = W/T*100 The numerator for the indicator is the total number of children 0-59 months in the sample with a weight for height Z score < -2. The denominator is the total number of children 0-59 months in the sample with weight for height Z score data.	WHO, DHS Survesy, UNICEF MICS			
	children 0-59	Percent of male children 0-59 months of age in the sample with a weight for height Z-score of <-2 SD	Total number of male children 0-59 months of age in the sample (Tm) Number of male children 0-59 months of age in the sample that are wasted (Wm)	Wam = Wm/Tm*100	WHO, DHS Survesy, UNICEF MICS			
	3. Percent of female children 0- 59 month of age in the sample that are wasted	Percent of female children 0-59 months of age in the sample with a weight for height Z-score of <-2 SD	Total number of male children 0-59 months of age in the sample (Tf) Number of male children 0-59 months of age in the sample that are wasted (Wf)	Waf = Wf/Tf*100	WHO, DHS Survesy, UNICEF MICS			
5. <u>Indicator</u> <u>Computing</u>	For a given year	t), the <b>Prevalence of wasting (% c</b>	<b>of children under 5 old)</b> (in %), is : <b>W</b> <sub>t</sub> =	= W				

Theme 3		Ending Hunger			
Performance Categor	PC 3.5iv	Food security and Nutri	tion		
1. <u>Objective of the PC</u>	Promote initiatives to improve nutritional status, and in particular, the elimination of hunger and child under nutrition in Africa, by bringing down child stunting, child underweight, child wasting, and child undernourishment; and improving dietary diversity for women and children.				
2. <u>Performance Target</u>	Bring down und	Bring down undernourishment to 5% or less, by the year 2025.			
	<u>Reference in the</u>	e Malabo Declaration:	Malabo Decl. 3(d) & the Africa Region	al Nutrition Strategy (A	RNS)
3. <u>Performance</u> Indicator	Indicator		Definition / Explanation		
	Proportion of the population that is undernourished (% of the country's population) (U). The proportion of the population in the Country with a level of Dietary Energy Consumption (DEC lower than the Dietary Energy Requirements (DER). This indicator is used to monitor evolution of hunger over time (at the World, Regional and, since 1999, National level, through publication of State of Food Insecurity).				
4. Disaggragation	Parameter/ Unit Percent of the	Definition	Data required	Computing Methods	d. Source FAO / National

## 5. <u>Indicator</u>

For a given year (t), the proprotion of the population that is undernous rished, is :  ${\bf U}$ 

Computing

TECHNICAL GUIDELINES for preparing Country Report on progress made in implementing the Malabo Declaration

Theme 3		Ending Hunger					
Performance Category	PC 3.5v	Food security and Nutritic	on				
1. <u>Objective of the PC</u>	by bringing dow	Promote initiatives to improve nutritional status, and in particular, the elimination of hunger and child under nutrition in Africa, by bringing down child stunting, child underweight, child wasting, and child undernourishment; and improving dietary diversity for women and children.					
2. <u>Performance Target</u>	Increase the pro	Increase the proportion of women at reproductive age that attain the minimum dietary diversity by 50%, by the year 2025.					
	Reference in the	Malabo Declaration:	Malabo Decl. 3(d) & the Africa Region	al Nutrition Strategy (A	RNS)		
3. <u>Performance</u> Indicator	Indicator		Definition / Explanation				
	Growth rate of the Diversity-Women	e proportion of Minimum Dietary (ţMDDW)					
4. Disaggragation	Parameter/ Unit	Definition	Data required	Computing Methods	d. Source		
	1. Proportion of minimum Dietary Diversity-Women (MDDW)	Is the proportion of women who receive foods from 5 or more in the food group of 10, described as below: <u>MDD-W food groups</u> 1. All starchy staple foods 2. Pulses (Beans and lentils) 3. Nuts and seeds 4. Dairy 5. Flesh foods (meat, poultry, fish) 6. Eggs 7. Dark green leafy vegetables 8. Other vitamin A-rich vegetables 8. Other vitamin A-rich vegetables 10. Other fruits MDD-Women are the ones who reflect consumption of at least five of ten foods group.	<ul> <li>Total number of women at reproductive age: W<sub>T</sub>, as the denominator.</li> <li>Number of women at reproductive age (15-49 yrs) that attain the minimum dietary diversity: W<sub>MDDW</sub>, as the numerator.</li> </ul>	MDDW= $W_{MDDW}/W_T$ Specific Sampling methods is used to determine the proportion of the total sample ( $W_T$ ) reaching MDD- W ( $W_{MDD-W}$ ) expressed as a % of sample population. Consumption of at least approximately 15 g is recommended a food group to "count", i.e., thus foods used only as a condiments are not counted. Consumption of foods from at least 5 food groups has been validated to be representative of a more nutrient adequate diet.			
5. <u>Indicator</u> <u>Computing</u>		(t), the <i>Growth rate of the proport</i> - MDDW <sub>2015</sub> ) / MDDW <sub>2015</sub>	tion of Minimum Dietary Diversity-Wo	o <b>men (ţMDDW)</b> (in %),	is : <b>ţMDDW</b> <sub>t</sub> =		

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Theme 3		Ending Hunger				
Performance Category	PC 3.5vi	Food security and Nutriti	on			
1. Objective of the PC	bringing down c	Promote initiatives to improve nutritional status, and in particular, the elimination of hunger and child under nutrition in Africa, bringing down child stunting, child underweight, child wasting, and child undernourishment; and improving dietary diversity for women and children.				
2. <u>Performance Target</u>	Reach at least 5	0% of children 6-23 months that	have the minimum acceptable diet by	the year 2025.		
	<u>Reference in the</u>	Malabo Declaration:	Malabo Decl. 3(d). The Africa Regiona	al Nutrition Strategy (ARNS)		
3. <u>Performance</u> Indicator	Indicator		Definition / Explanation			
	•	months old children who meet eptable Diet (MAD)	Percent in the age group 6-23 months reaching to reducing stunting and the indicator will serve and feeding practices towards better nutrition. the age group it will be possible to use it as a pr observed changes in nutrition status indicators. strategy targeted by the Malabo declaration to	e as a process indicator of improven Because its computation includes d ocess indicator on linking agricultur This is important because agricultu	nents in diet quality ietary diversity in re programmes to	
4. <u>Disaggragation</u>	Parameter/ Unit	Definition	Data required	Computing Methods	d. Source	
	Minimum Acceptable Diet for 6-23 months old infants	Composite indicator	Minimum dietary diversity for children: Proportion of children 6–23 months of age who receive foods from 4 or more food groups: The 7 foods groups used for tabulation of this indicator are: grains, roots and tubers; legumes and nuts; dairy products (milk, yogurt, cheese); flesh foods (meat, fish, poultry and liver/organ meats); eggs Part 1: Definitions 7; vitamin-A rich fruits and vegetables; other fruits and vegetables Minimum meal frequency: Proportion of breastfed and non-breastfed children 6–23 months of age who receive solid, semi-solid, or soft foods (but also including milk feeds for non-breastfed children) the minimum number of times or more. Minimum is defined as: 2 times for breastfed infants 6–8 months; 3 times for breastfed children 9–23 months; 4 times for non-breastfed children 6–23 months	Calculated differents for the following two fractions of the children (Proportion of breastfed children 6–23 months of age who had at least the minimum dietary diversity and the minimum meal frequency during the previous day)/(Breastfed children 6–23 months of age) and (Proportion of non-breastfed children 6–23 months of age who received at least 2 milk feedings and had at least the minimum dietary diversity, and the minimum meal frequency during the previous day)/(Non-breastfed children 6–23 months of age)	DHS, UNICEF MICS, WH The sample universe for this indicator is last born children 6–23 months of age living with their mothers.	
	children 6–23 months of age who had at least the	Proportion Breastfed children 6–23 months of age in the sample who had at least the minimum dietary diversity and the minimum meal frequency during the previous day	<ul> <li>Total breastfed children in sample reaching both minimum diet diversity and minimum meal frequency (BF<sub>MDD&amp;MMF</sub>);</li> <li>-Total breastfed children in sample (TBF)</li> </ul>	The proportion (BF MDD&MMF/TBF)*100 is estimated for the breastfed children.	DHS, UNICEF MICS WHO The sample universe for this indicator is last born children 6–23 months of age living with their mothers.	
	children 6–23 months of age who had at least 2 milk feeds and the minimum dietary	Proportion of non-breastfed children 6–23 months of age in the sampmle who had at least 2 milk feeds and at least the minimum dietary diversity excluding the milk feeds and the minimum meal frequency during the previous day	<ul> <li>Total non-breastfed children in sample getting at least 2 milk feeds and reaching both minimum diet diversity and minimum meal frequency (NBF 2MF&amp;MDD&amp;MMF);</li> <li>Total non-breastfed children in sample (TNBF)</li> </ul>	The proportion (NBF 2ME&MDD&MMF/TNBF)*100 is estimated for the breastfed children.		

5. <u>Indicator</u> <u>Computing</u> For a given year(i), the **Porportion of 6-23 months old children who meet the Minimum Acceptable Diet** (in %), is : MAD = 100 x (BF<sub>MDD&MMF</sub> + NBF <sub>2MF&MDD&MMF</sub>) / (TBF + TNBF)

the previous day

Performance theme 4: Eradicating Poverty through Agriculture

Theme 4		Eradicating Poverty throug	h Agriculture			
Performance Category	PC 4.1i	Agricultural GDP and Pov	verty Reduction			
1. <u>Objective of the PC</u>	Sustain annual a	Sustain annual agriculture sector growth by ensuring higher contribution to GDP and to poverty reduction.				
2. <u>Performance Target</u>	Sustain annual a	agricultural GDP growth of at leas	t 6%, from the year 2015 to the year 2	2025.		
	<u>Reference in the</u>	Malabo Declaration:	Malabo Decl. 4(a)			
3. <u>Performance</u> Indicator	Indicator		Definition / Explanation			
	Growth rate of t constant US dol	he agriculture value added, in ars (ţAgGDP).	Percentage change of agriculture value added within a specific time period. Agriculture corresponds to the divisions 1-5 of the International Standard Industrial Classification (ISIC, revision 3) and includes forestry, hunting, and fishing, as well as cultivation of crops and livestock production (WDI, World Bank, 2016).			
4. Disaggragation	Parameter/ Unit	Definition	Data required	Computing Methods	d. Source	
	added, in constant	Total agriculture value added is the net output of a sector after adding up all outputs and subtracting intermediate inputs. It is calculated without making deductions for depreciation of fabricated assets or depletion and degradation of natural resources. The origin of value added is determined by the International Standard Industrial Classification (ISIC), revision 3.	Agriculture value added, in constant US dollars (AgGDP)		National Statistics WDI	
	2. Baseline value (AgGDP <sub>2015</sub> ) of the Agriculture value added , in constant US dollars	The baseline value (AgGDP <sub>2015</sub> ) is an average the five-year value of the Agriculture value added, from 2011 to 2015.		AgGDP <sub>2015</sub>		
	3. Annual growth rate of Agriculture value added, in constant US dollars (tAgGDP)	Annual growth rate measures the percentage change of the agriculture value added between two consecutive years, (t) and (t-1), i >= 2016		tAgGDP <sub>t</sub> = 100 x (AgGDP <sub>t</sub> - AgGDP <sub>t-1</sub> )/AgGDP <sub>t-1</sub>		
	4. Average annual Growth rate of Agriculture value added, in constant US dollars (aAgGDP)	For a given year (i), the average growth rate is calculated over the entire performance years n; n includes i, and excludes the base year 2015.		aAgGDP <sub>i</sub> = Average(tAgGDP <sub>i</sub> )n		
5. <u>Indicator</u> <u>Computing</u>	For a given year	(t), the <i>Growth rate of the agricul</i>	ture value added, in constant US dolla	urs (in %), is : aAgGDP	t	

TECHNICAL GUIDELINES for	or preparing Country	Report on progress made in i	mplementing the Malabo Declaration
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Theme 4		Eradicating Poverty throug	h Agriculture			
Performance Category	PC 4.1ii	Agricultural GDP and Pov	verty Reduction			
1. <u>Objective of the PC</u>	Sustain annual a	Sustain annual agriculture sector growth by ensuring higher contribution to GDP and to poverty reduction.				
2. <u>Performance Target</u>	Ensure that agri to the year 2025	-	east 50% to the overall poverty reduct	ion target, from the ye	ear 2015	
	<u>Reference in the</u>	Malabo Declaration:	Malabo Decl. 4(a)			
3. <u>Performance</u> Indicator	Indicator		Definition / Explanation			
	Stand-by for mo	re research				
4. Disaggragation	Parameter/ Unit	Definition	Data required	Computing Methods	d. Source	
5. <u>Indicator</u> <u>Computing</u>						

Theme 4		Eradicating Poverty throug	h Agriculture			
Performance Category	PC 4.1iii	Agricultural GDP and Pov	verty Reduction			
1. Objective of the PC	Sustain annual a	Sustain annual agriculture sector growth by ensuring higher contribution to GDP and to poverty reduction.				
2. <u>Performance Target</u>	Reduce poverty	level by at least 50%, at national	poverty line, from the year 2015 to th	ne year 2025.		
	Reference in the	Malabo Declaration:	Malabo Decl. 4(a)			
3. <u>Performance</u> Indicator	Indicator		Definition / Explanation			
	Reduction rate of poverty headcount ratio, at national poverty line (% of population), dpovN       National poverty rate is the percentage of the population livi poverty line. National estimates are based on population-we from household surveys (WDI, 2016).					
4. Disaggragation	Parameter/ Unit	Definition	Data required	Computing Methods	d. Source	
	1. Poverty headcount ratio (phrN), at national poverty lines (% of population)	National poverty headcount ratio is the percentage of the population living below the national poverty lines. National estimates are based on population-weighted subgroup estimates from household surveys.	Poverty headcount ratio (phrN), at national poverty lines (% of population). The baseline value uses the most recent estimate over the period 2011-2015.		National statistics WDI	
5. <u>Indicator</u> <u>Computing</u>		(t), the <i>Reduction rate of poverty</i> phrN <sub>2015</sub> - phrN <sub>t</sub> )/ phrN <sub>2015</sub>	headcount ratio, at national poverty l	ine is:		

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Theme 4		Eradicating Poverty throug	h Agriculture			
Performance Categor	PC 4.1iv	Agricultural GDP and Pov	verty Reduction			
1. <u>Objective of the PC</u>	Sustain annual a	Sustain annual agriculture sector growth by ensuring higher contribution to GDP and to poverty reduction.				
2. <u>Performance Target</u>	Reduce poverty	level by at least 50%, at internat	ional poverty line, from the year 2015	to the year 2025.		
	Reference in the	Malabo Declaration:	Malabo Decl. 4(a)			
3. <u>Performance</u> Indicator	Indicator		Definition / Explanation			
	Reduction rate of the poverty headcount ratio at international poverty rate is the percentage of the population living below the international poverty line (% of population), dpovl				he	
4. Disaggragation	Parameter/ Unit	Definition	Data required	Computing Methods	d. Source	
	1. Poverty headcount ratio (phrl), at international poverty lines (% of population).	International poverty headcount ratio is the percentage of the population living below the international poverty lines at \$1.90 a day (2011 PPP	Poverty headcount ratio (phr), at international poverty lines (% of population). The baseline value uses the most recent estimate over the period 2011-2015.		National statistics WDI	
5. <u>Indicator</u> <u>Computing</u>		(t), the Reduction rate of poverty hrl <sub>2015</sub> - phrl <sub>t</sub> ) / phrl <sub>2015</sub>	headcount ratio, at international pove	<b>erty line</b> , is	•	

Theme 4		Eradicating Poverty through					
Performance Category	PC 4.1v	Agricultural GDP and Pov	verty Reduction				
1. Objective of the PC	Sustain annual a	Sustain annual agriculture sector growth by ensuring higher contribution to GDP and to poverty reduction.					
2. <u>Performance Target</u>		Contribute to poverty reduction by reducing the gap between the wholesale price and farmgate price, by 50% by the year 2025, from the year 2015.					
	Reference in the Malabo Declaration: Malabo Decl. 4(a)						
3. <u>Performance</u> Indicator	Indicator		Definition / Explanation				
		of the gap between the wholesale ate <sup>(1)</sup> price ( <b>tfgws</b> )	This indicator address the concern with th market margin can result from high transa existence of monopoly or cartel, informat	action costs, including tran	•		
			The objective is to reduce the transaction from low market margin. Low market mar enterprises for smallholder farmers. Henc the gap between farmgate price and who	rgin implies profitability of e, the rationale and the ne	agricultural		
4. Disaggragation	Parameter/ Unit	Definition	Data required	Computing Methods	d. Source		
	1. Average weighted farm gate price , FgP	Prices paid to producers by brokers, aggregators, wholesalers and other market agents.	Mean monthly farm gate prices for previous 12 months for each of the five economicallyy important commodities.	A weighted mean is computed from the monthly means of the five commodities.	Commodity price tracking systems		
	2. Average weighted Wholesale/Market Price, WsP	Intermediary prices paid during transactions among brokers, aggregators and wholesalers. We are concerned with the prices that retailers pay to wholesalers.	Mean monthly wholesale prices for previous 12 months for each of the five economicallyy important commodities. Note: For both average weighted farm gate prices and average weighted wholesale prices a number of disbursed markets should be tracked.	A weighted mean is computed from the monthly means of the five commodities.	Commodity price tracking systems		
		This expresses in percentage to the wholesale price, the difference between the wholesale price and farmgate price.	- FgP - WsP	Gfgws = 100 x (FgP - WsP)/WsP			
5. <u>Indicator</u>		(t), the <i>Reduction rate of the gap I</i> Sfgws <sub>t</sub> - Gfgws <sub>2015</sub> )/ Gfgws <sub>2015</sub>	l between the wholesale price and farm	ngate price (in %), is :	L		

(1) In case the farmegate price is difficult to collect, the producer price or price in producing areas can be used as a proxi.

Theme 4		Eradicating Poverty throug	h Agriculture		
Performance Category	PC 4.2	Inclusive PPPs for commo	dity value chains		
1. <u>Objective of the PC</u>	Promote approa commodities.	aches via PPP arrangements to link	smallholder farmers to value chains c	of priority agricultural	
2. <u>Performance Target</u>		r strengthen inclusive public-priva ue chains with strong linkage to sn	nte partnerships (PPP) for at least five nallholder agriculture, by 2025.	(5) priority agricultural	
	<u>Reference in the</u>	e Malabo Declaration:	Malabo Decl. 4(b)		
3. <u>Performance</u> Indicator	Indicator		Definition / Explanation		
	Number of priority agricultural commodity value chains for which a PPP is established with strong linkage to smallholder agriculture, (Nc)		A priority agricultural commodity value chain for linkage to smallholder agriculture, is the priorit <u>which</u> smallholder farmers actively participate be observed through measures such as the high produce through target groups to target buyers of value) between smallholders and target buyers of value) between smallholders and target buyers smallholders in a priority value chain that can evolume of trade involving smallholders in then n PPP can be defined as "a long-term contract between a providing a public asset or service, in which the private responsibility, and remuneration is linked to performar contracts or turnkey construction contracts, which are the privatization of utilities where there is a limited on number of countries are enshrining a definition of PPPs their institutional and legal particularities.	ty value chain for which <u>the e</u> in its markets, <u>is very high</u> . Th h number of smallholders sup s, or through the volume of f ers. It is actually the level of i easily will be measured throu narket of the value chain. a private party and a government e party bears significant risk and n ncee". PPPs typically do not include categorized as public procuremen going role for the public sector. Al	xtent to his extent can oplying trade (in term ntegration of gh the entity, for hanagement service t projects, or h increasing
4. Disaggragation	Parameter/ Unit	Definition	Data required	Computing Methods	d. Source
	1. Priority commodity value chains, PC <sub>i</sub>	Commodity value chains (whether staple, cash or high value) on which government places priority.	PC <sub>i</sub>	List of the known proirity commodities of the country. list {Pc <sub>i</sub> }	Government policy documents, policy statements
	2. Percent of volume of trade between	It is the volume of trade (in term of value) attributed to smallholders as a share of the total volume of trade for	- Total volume of trade for the priority commodity, $V_{Tr}$ - Volume of trade between smallholders and	$t_{smhi} = V_{smhi}/V_{Ti}$	Industry data

Parameter/ Unit	Definition	Data required	Computing Methods	d. Source
1. Priority commodity value chains, PC <sub>i</sub>	Commodity value chains (whether staple, cash or high value) on which government places priority.		List of the known proirity commodities of the country. list {Pc <sub>i</sub> }	Government policy documents, policy statements
2. Percent of volume of trade between smallholders and target buyers of the priority commodity <i>i</i> , t <sub>smhi</sub>	It is the volume of trade (in term of value) attributed to smallholders as a share of the total volume of trade for each of the priority commodity <i>I</i> , PC <sub>i</sub> .	- Total volume of trade for the priority commodity, $V_{Ti}$ - Volume of trade between smallholders and target buyers, $V_{smhi}$	$s_{smhi} = V_{smhi} / V_{Ti}$	Industry data
3. Percentage of smallholders as part of the total suppliers, supplying that market of the priority commodity <i>i</i> , n <sub>ssmh</sub>	Share of smallholders that have been involved in supplying that market of the priority commodity value chain.	- Number of smallholders integrated into the value chain of the priority commodity $i$ , $N_{smhi}$ - Total suppliers that are supplying the market of the value chain of the priority commodity $_{i}$ , $N_{Ti}$	n <sub>smhi</sub> = N <sub>smhi</sub> ∕N <sub>™</sub>	
4. Priority commodity value chains for which a PPP is established with strong linkage to smallholder agriculture, Pcsmhi	It is the priority agricultural commodity value chain for which the volume of trade (in term of value) attributed to smallholders is at <u>least 50%</u> of the total volume of trade of the value chain; and the smallholders <u>represent more that</u> <u>50%</u> of the total suppliers.	$(t_{smhi}; \eta_{smhi})$ for each of the PC <sub>i</sub>	list {PCsmh <sub>i</sub> } = {PC <sub>i</sub> / (ţ <sub>smhi</sub> x n <sub>i</sub> s <sub>mhi</sub> ) >= 25% }	

For a given year(i), the Number of priority agricultural commodity value chains for which a PPP is established with strong linkage to smallholder agriculture, is Nc = count (list {PCsmh<sub>i</sub>}).

Theme 4		Eradicating Poverty through	h Agriculture		
Performance Category	PC 4.3	Youth job in agriculture			
1. Objective of the PC	Engage youth in	agricultural sector development t	o contribute to reduce level of unemp	loyment and poverty.	
2. <u>Performance Target</u>	Create job oppo	rtunities for at least 30% of the y	outh in agricultural value chains, fror	n the year 2015 to the	year 2025
	<u>Reference in the</u>	Malabo Declaration:	Malabo Decl. 4(c)		
3. <u>Performance</u> Indicator	Indicator		Definition / Explanation		
	Percentage of youth that is engaged in new job opportunities in agriculture value chains, (ţYth) The percentage in the indicator refers to the share of the total nur group of age that has been given a new job in agriculture, with a c starting from the year 2015, and this do not include the youth alre in agriculture. Approach for creating job for youth may include improving the sk employability and entrepreneurship for the youth to closing the sk sector to boost private business initiated the youth. Creating skills development opportunities for youth (female and male) to access and vocational education and training (TVET) in agricultural value therefore key to trigger private initiatives by the youth.				ounting ady working Ils profile, ills gap in th cechnical
4. Disaggragation	Parameter/ Unit	Definition	Data required	Computing Methods	d. Source
	youth at working	Population of 15-34 old age range in the country, considered as of mature young at working age.	Demographic data		National bureau of statistics
	that is engaged in new jobs in agricultural value chains, (cumulative counting from the year 2015), AgN <sub>Yth</sub>	The youth (male and female) that is offered new job opportunities in agricultural value chains are those: - who do any agriculture related work as paid employees for any agriculture entreprise or SME (AgN <sub>yth</sub> E); - who work as self-employed in their own business or profession or on their own farm (AgN <sub>yth</sub> SE); - who work 15 hours per week or more as unpaid workers in a family- operated enterprise (AgN <sub>yth</sub> FE).	Cumulative number of the new jobs created within sub sectors related to agriculture for the youth by existing entreprises. This include "paid employment; "self- employment". AgNYth = AgN <sub>yth</sub> E + AgN <sub>yth</sub> SE + AgN <sub>yth</sub> FE	Sum of all reported numbers from all entreprises	1.Enterprise e Survey 2.Establish ment Census 3.Integrate d Business Enterprise Survey 4.Integrate d Household Living Conditions Survey 5. Nationa Agriculture Survey
5. <u>Indicator</u> <u>Computing</u>		(t), the <b>percentage of youth that i</b>	s engage	d in new job opportunities ir	d in new job opportunities in agriculture value chai

Theme 4	E	Eradicating Poverty throug	h Agriculture
Performance Category	PC 4.4	Women participation in A	Agriculture
1. <u>Objective of the PC</u>	Promote initiative opportunities.	es that facilitate preferential entr	y and participation for women in gainful and attractive agri-business
2. <u>Performance Target</u>		of rural women have access to p (empowered) by 2023.	productive assets, including land, credit, inputs and financial services
	<u>Reference in the N</u>	Malabo Declaration:	Malabo Decl. 4(d): In the FTYIP of the AU Agenda 2063 (Ref: Asp.6/Goal.17/PA.1/trg.2)
3. <u>Performance</u> Indicator	Indicator		Definition / Explanation
-	Proportion of rura in agriculture, <b>ţW</b>	al women that are empowered E	Women empowerment in agriculture will be measured accordingly with the five domains of empowerment (5DE) in agriculture. These domains are: (1) decisions about agricultural production, (2) access to and decision- making power about productive resources, (3) control of use of income, (4) leadership in the community, and (5) time allocation.

4. Disaggragation	Parameter/ Unit	Definition	Data required	Computing Methods	d. Source
	1. Total number of rural women engaged in agriculture, Ntw	Total number of rural women that engaged in agriculture	Nw from country statistics		National Statistics
	2. Proportion of rural women that make Decisions about agricultural production, <u>tDE</u> <sub>1</sub>	Production: Sole or joint decisionmaking over food and cash-crop farming, livestock, and fisheries as well as autonomy in agricultural production.	Number of women that have: a) Input in productive decisions and b) Autonomy in production, NDE <sub>1</sub>	ţDE <sub>1</sub> = NDE <sub>1</sub> / Ntw	National Statistics
	3. Proportion of rural women that have Access to and decision-making power about productive resources, <code>tDE<sub>2</sub></code>	Resources: Ownership, access to, and decisionmaking power over productive resources such as land, livestock, agricultural equipment, consumer durables, and credit	Number of women that have: a)Ownership of assets, b)Purchase, sale or transfer of assets, c)Access to and decisions about credit, NDE <sub>2</sub>	ţDE <sub>2</sub> = NDE <sub>2</sub> / Nw	National Statistics
	4. Proportion of rural women that have Control of use of income, $DE_3$	Income: Sole or joint control over income and expenditures	Number of women that have Control over use of income, $NDE_3$	ţDE <sub>3</sub> = NDE <sub>3</sub> / Ntw	National Statistics
	5. Proportion of rural women that have Leadership in the community, tDE4	Leadership: Membership in economic or social groups and comfort in speaking in public	Number of women that have: a) Group member and b) Speaking in public, $NDE_4$	ţDE <sub>4</sub> = NDE <sub>4</sub> / Nw	National Statistics
	6. Proportion of rural women that have Time allocation for leisure, <u>tDE<sub>5</sub></u>	Time: Allocation of time to productive and domestic tasks and satisfaction with the available time for leisure activities	Number of women that are able to manage their time amongst: a) Workload and b) Leisure, NDE <sub>5</sub>	ţDE <sub>5</sub> = NDE <sub>5</sub> / Ntw	National Statistics
	7. Number of rural women empowered in agriculture, NwE	The proportion of rural women that are empowered can be generated for the country using mathematical set method to provide the overall proportion of women that meet at least 4 of the above-mentionned 5 domains (or appox. 80% of the reported domains of availed data).	Use mathematical set method (using individual numbers to avoid double counting) to generate the total number of women that meet at least 4 of the 5 domains (or appox. 80% of the reported domains of availed data) : NwE		National Statistics

For a given year(t), the proportion of rural women that are empowered in agriculture, is twe = 100 x NwE / Ntw

Performance theme 5: Intra-African Trade in Agriculture Commodities and services

Theme 5	Intra-African Trade in Agric	culture Commodities
Performance Category	PC 5.1 Intra-African Trade in ag	riculture commodities and services
1. <u>Objective of the PC</u>	Promote intra-African trade in agriculture commo	pdities and services.
2. <u>Performance Target</u>	Triple intra-African trade in agricultural commod Reference in the Malabo Declaration:	lities and services, by the year 2025 from the year 2015. Malabo Decl. 5(a)
3. <u>Performance</u> Indicator	Indicator	Definition / Explanation
	Growth rate of the value of trade of agricultural commodities and services within Africa, in constant US dollars ( <i>IAT</i> ).	Total agricultural imports from African countries are expressed in terms of value, in constant US dollars. They cover all movements of agricultural goods and services into the country from African countries, during the reference period. They include commercial trade, food aid granted on specific terms, donated quantities and estimates of unrecorded trade.

Definition	Data required	Computing Methods	d. Source
Total value of agricultural goods and services traded (imports and exports) by African countries from African sources in current US dollars.	Agricultural products including agricultural processed products (Standard International Trade Classification or SITC sections 0, 1, 2, 4 minus 27 and 28) - Food: food and live animals, beverages and tobacco, animal and vegetable oils, fats and waxes, oilseeds and oleaginous fruit (SITC sections 0, 1, 4 and division 22), of which: - Fish (SITC division 03), and - Other food products and live animals, beverages and tobacco, animal and vegetable oils, fats and waxes, oilseeds and oleaginous fruit (SITC sections 0, 1, 4 and division 22 less division 03). - Raw materials: hides, skins and furskins, raw, crude rubber (including synthetic and reclaimed), cork and wood, pulp and waste paper, textile fibers and their wastes, crude animal and vegetable materials, n.e.s. (SITC divisions 21, 23, 24, 25, 26, 29).		National statistics UNCTAD WTO UNECA RECs
C.I.F. and F.O.B. prices of agricultural products traded among African countries.	Data of international trade are usually in US\$. Prices of internationally traded commodities are also in US\$.		National statistics UNCTAD WTO
Composite prices of agricultural products traded (imports or exports) among African countries.	$pmx = \frac{\sum_{i=1}^{n} (P_{Mi} * \overline{M}_{i}^{2010})}{\sum_{i=1}^{n} (M_{i}^{2010})}$	$\frac{+P_{Xi} * \overline{X}_{i}^{2010})}{+ \overline{X}_{i}^{2010})}$	
	<ul> <li>i)- Value of intra- African <u>imports</u> for agriculture <u>goods</u>, IAMg</li> <li>ii)- Value of intra- African <u>imports</u> for agriculture services, IAMs</li> <li>iii)- Value of intra- African <u>exports</u> for agriculture <u>goods</u>, IAXg</li> <li>iv)- Value of intra- African <u>exports</u> for agriculture <u>services</u>, IAXs</li> </ul>	$IAT = \frac{\sum_{i} (Mi + Xi)}{pmx}$ $IAT = IAMg + IAMs + IAXg + IAXs$	
	Clippediate         C.I.F. and F.O.B. prices of agricultural products traded among African countries.         Composite prices of agricultural products traded (imports or exports) among	Total value of agricultural goods and services traded (imports and exports) by African countries from African sources in current US dollars.Processed products (Standard International Arad Classification or SITC sections 0, 1, 2, 4 minus 27 and 28) - Food: food and live animals, beverages and tobacco, animal and vegetable oils, fats and waxes, oilseeds and oleaginous fruit (SITC sections 0, 1, 4 and division 22), of which: - Fish (SITC division 03), and - Other food products and live animals, beverages and tobacco, animal and vegetable oils, fats and waxes, oilseeds and oleaginous fruit (SITC sections 0, 1, 4 and division 22) less division 03). - Raw materials: hides, skins and furskins, raw, crude rubber (including synthetic and reclaimed), cork and wood, pulp and waste paper, textile fibers and their wastes, crude animal and vegetable materials, n.e.s. (SITC division 21, 23, 24, 25, 26, 29).C.I.F. and F.O.B. prices of agricultural products traded among African countries.Data of international trade are usually in US\$. Prices of internationally traded commodities are also in US\$.Composite prices of agricultural products countries.i)- Value of intra- African imports for agriculture goods, IAMg ii)- Value of intra- African exports for agriculture go	Total value of agricultural goods and services traded (imports and exports) by African countries from African sources in current US dollars.Agricultural products (Standard International Trade Classification or STC sections 0, 1, 2, 4 minus 27 and 28) - Food: food and live animals, beverages and tobacco, animal and vegetable oils, fats and waxes, oilseeds and oleaginous fruit (SITC sections 0, 1, 4 and division 22), of which: - Fish (SITC division 03), and - Other food products and live animals, beverages and tobacco, animal and vegetable oils, fats and waxes, oilseeds and oleaginous fruit (SITC sections 0, 1, 4 and division 22). - Raw materials: hides, skins and furskins, raw, crude rubber (including synthetic and reclaimed), cork and wood, pulp and waste paper, textlie fibers and their wastes, crude animal and vegetable materials, n.e.s. (SITC divisions 21, 23, 24, 25, 26, 29).C.I.F. and F.O.B. prices of agricultural products traded among African countries.Data of international trade are usually in USS. Prices of internationally traded commodities are also in US\$.Composite prices of agricultural prices of agricultural products traded (imports or exports) among African countries.Data of international trade are usually in US\$. Prices of internationally traded commodities are also in US\$.Composite prices of agricultural prices of intra-African imports for agriculture goods. IAMg ii) - Value of intra-African imports for agricultur

For a given year(t), the Growth rate of the value of trade of agricultural commodities and services within Africa, in constant US dollars (in %), is :  $t_{1AT_t} = 100 \times (IAT_t - IAT_{2015}) / IAT_{2015}$ 

Theme 5		Intra-African Trade in Agric	ulture Commodities		
Performance Category	PC 5.2i	Intra-African Trade Polic	ies and institutional conditions		
1. <u>Objective of the PC</u>	current trade pr	actices to permit the achievement	cies and institutional conditions and su of trippling intra-African trade; includ negotiations and partnership agreeme	ing the promotion of th	
2. <u>Performance Target</u>			hing 100% of Trade Facilitation Index	by 2025.	
l	<u>Reference in the</u>	Malabo Declaration:	Malabo Decl. 5(b).		
3. <u>Performance</u> Indicator	Indicator		Definition / Explanation		
	Trade Facilitatio	n Index (TFI)	Trade facilitation involves the reduction institutional/non-tariff barriers. This v goods and services. Establishment of trade facilitation in t measures that go beyond the agricultu trade of agriculture commodities and	vill enhance trans-bord his case include all the ure sector, but contribu	er movements of interrelated
4. Disaggragation	Parameter/ Unit	Definition	Data required	Computing Methods	d. Source
	1. Physical infrastructure (PI)	Physical infrastructure captures the availability and quality of transport infrastructure required to facilitate the within -country- and cross border movement of goods	<ol> <li>Quality of roads</li> <li>Quality of airports</li> <li>Quality of seaports</li> <li>Quality of raiways</li> </ol>	Normalize each indicator as 0-100 and find simple average of all four indicators	World Economic Forum (WEF) Global Competitiveness Index (GCI)
	2. Information and communication technology (ICT)	Information and communication technology measures the quality and extent of use, absorption, and procurement of information and communication technologies in an economy	<ol> <li>Firm level technology abbsorption</li> <li>FDI and technology transfer</li> <li>Availability of latest technology</li> <li>Government procurement of advanced technology</li> <li>Individuals using internet</li> <li>Fixed telephone lines</li> <li>Internet subscription</li> </ol>	Normalize each indicator as 0-100 and find mimple average of all seven indicators	World Economic Forum (WEF) Global Competitiveness Index (GCI)
	3. Border administration (BA)	Border administration quantifies the ease of trading across borders as well as the level of transparency and efficiency of customs formalities and administration at a country's border.	<ol> <li>Number of documents to export</li> <li>Number of Days to export</li> <li>Costs to export</li> <li>Number of documents to import</li> <li>Number of Days to import</li> <li>Costs to import</li> </ol>	Normalize each indicator as 0-100 and find simple average of all six indicators	World Bank's (WB) Doing Business (DB).
	4. Bilateral Agricultural trade related agreements (ATA)	Proportion of countries with bilateral agricultural trade related agreements (in %)	<ul> <li>Number of countries with bilateral agricultural trade related agreements (NTA)</li> </ul>	ATA = NTA/54 x 100	Ministry of Agriculture
	5. Immigration (IM)	Ease of entry into country (in %)	Sum all: - Number of countries with visa free entry (NVF) - Number of countries with visa on arrival (VA).	IM = (NVF+VA)/54 x 100	Immigration Department

Theme 5	Intra-African Trade i	n Agriculture Commodities
Performance Category	PC 5.2ii Intra-African Trad	e Policies and institutional conditions
1. <u>Objective of the PC</u>	formalize the current trade practices to p	ntal policies and institutional conditions and support systems to simplify and ermit the achievement of intra-African trade target; including the promotion of ire-related international trade negotiations and partnership agreements.
2. <u>Performance Target</u>	Reduce the Domestic Food Price Volatilit	
2. Derfermense	<u>Reference in the Malabo Declaration:</u>	Malabo Decl. 5(b)
3. <u>Performance</u> Indicator	Indicator	Definition / Explanation
-	Domestic Food Price Volatility Index (CV)	The Domestic Food Price Volatility Index measures the variability in the relative price of food in a country. It is a proxy of the quality of the functioning of food markets were by suppressing barriers to trade, expanding volumes and reducing transaction costs and monopolies, prices should adopt more regular and flat patterns. The indicator is calculated from the monthly Domestic Food Price Level Index using monthly consumer and general food price indices and purchasing power parity data from the International Comparison Program.

4. Disaggragation	Parameter/ Unit	Definition	Data required	Computing Methods	d. Source
	1. Food price indices (PF)		Monthly domestic Food Price Level Index using monthly consumer and general food price indices	Bureau of statistics.	National statistics FAO
	2. Coefficient of variation of food price Index	The coefficient of variation, also known as relative standard deviation, is a measure of the relative dispersion of a series of data around its mean. It is defined as the ratio of the standard deviation to the mean. It is often used to compare the degree of variability between series which do not have the same unit. The greater the coefficient of variation is, the greater the dispersion to the mean of the data.		$CV = \frac{\sigma}{\mu}$ where $\sigma = \sqrt{\frac{\sum_{t=1}^{T} (P_t - \overline{P})^2}{T - 1}}$ Details in Annex	
5. <u>Indicator</u> <u>Computing</u>	For a given year	(t), the Domestic Food Price Volat	ility Index is CV.		

**Performance theme 6: Resilience to Climate Variability** 

Theme 6		Resilience to Climate Varia	DIIIty		
Performance Category	PC 6.1i	Resilience to climate rela	ated risks		
I. <u>Objective of the PC</u>		ves of building resilience of produce mate variability and other related	ction systems to reduce vulnerabilities   risks.	of the livelihoods of Af	rican
2. Performance Target	Ensure that at le the year 2025.	east 30% of farm, pastoral, and fi	sher households are resilient to clima	te and weather related	l risks, by
	<u>Reference in the</u>	Malabo Declaration:	Malabo Decl. 6(a)		
<u>Performance</u> <u>Indicator</u>	Indicator		Definition / Explanation		
	households that	rm, pastoral, and fisher are resilient to climate and shocks ( <b>tRAgHh</b> ).	Resilience refers to the ability of people, households, communities, countries and systems to mitigate, adapt to and recover from shocks and stresses in a manner th reduces chronic vulnerability and facilitates inclusive growth.		
. Disaggragation	Parameter/ Unit	Definition	Data required	Computing Methods	d. Source
	1. Total number of farm, pastoral, and fisher households, NagHH	It is the total number of farm, pastoral, and fisher households, as availed by the country agriculture statistics.		NagHH	Country statistics, and/or FAO
	,	Farm, pastoral, and fisher households that are resilient are considered here as the households that are able to recover from natural and human-induced shocks. The household resilience can be measured with the FAO's Resilience Index Measurement and Analysis (RIMA) model. As resilience is a context-specific concept, dimensions change depending on the context. FAO considered dimensions of resilience into two categories which include <u>physical</u> <u>dimensions</u> (i.e. income and food access; access to basic services; assets; social safety nets; climate change; and enabling institutional environment), and <u>capacity</u> <u>dimensions</u> (adaptive capacity; and sensitivity).	Data from resilience analysis in the country for analysing household resilience trought the FAO's RIMA model, can be used to estimate the number of households that are resilient to climate variability and related risks. With the RIMA model, a resilient household is appreciated through the household resilience index, R,	NRagHH	Country statistics, and/or FAO
	Household resilience index, R <sub>i</sub>	It is a composite index captures both phisical and capacity dimensions and can be composed of latent variables estimated through various techniques. • Exposure to climate related risks; • Time required to recover; • Income level and its diversification • Asset ownership such as land and livestock • Access to Social safety nets such as food assistance and social security • Access to basic services such as water, health care, electricity, etc. • Households adaptive capacity which is linked to education and diversity of income sources • The stability of all these factors over time	Latent variables to estimate a household resilience $R_i$ , include: - Access to Basic Social services (ABS <sub>i</sub> ); - Agricultural Assets (AA <sub>i</sub> ); - Non-Agricultural Assets (NAA <sub>i</sub> ); - Income and Food Access (IFA); - Enabling Institutional Environment (EIE); - Agricultural Practice and Technology (APT); - Social Safety Nets (SSN); - Climate Change (CC); - Sensitivity (S); - Adaptive Capacity (AC). $R_i = f(IFA_i, ABS_i, AA_i, NAA_i, APT_i)$	R, is function of the listed parameters as shown in the formula below. SSN <sub>1</sub> , CC <sub>1</sub> , EIE <sub>1</sub> , S <sub>1</sub> , AC <sub>1</sub> )	Countries and/or FAO

		Resilience to Climate Varia	bility		
Performance Category	PC 6.1ii	Resilience to climate rela	ited risks		
I. <u>Objective of the PC</u>		ves of building resilience of produc imate variability and other related	tion systems to reduce vulnerabilities risks.	of the livelihoods of Afi	rican
2. <u>Performance Target</u>	Ensure that at l	east 30% of agricultural land is pla	iced under sustainable land managem	ent practice.	
-	<u>Reference in the</u>	Malabo Declaration:	Malabo Decl. 6(a)In the FTYIP of the AU	Agenda 2063 <u>(Ref: Asp.1/Goal.7/</u>	/PA.1/trg.1)
B. <u>Performance</u> Indicator	Indicator		Definition / Explanation		
	-	ture land under sustainable land actices (SSLM).	Sustainable land management (SLM) is the ado appropriate management practices, enables lar social benefits from the land while maintaining functions of the land resources (TerrAfrica). SLI activities aimed at integrating socioeconomic p as to simultaneously: maintain and enhance pri- production risk, and enhance soil capacity to bu (stability/resilience); protect the potential of na of soil and water quality (protection); be econo acceptable, and assure access to the benefits fr (acceptability/equity).	d users to maximise the eco or enhancing the ecological : M combines technologies, po rinciples with environmental oduction (productivity); redu uffer against degradation pro atural resources and prevent mically viable (viability); and	nomic and support licies, and concerns, so ce the level o cesses degradation be socially
4. Disaggragation	Parameter/ Unit	Definition	Data required	Computing Methods	d. Source
	1. Agriculture area under SLM (ASLM)	Area of land that is under SLM practices <u>Agronomic measures :</u> measures that improve soil cover (e.g. green cover, mulch); measures that enhance organic matter / soil fertility (e.g. manuring); soil surface treatment (e.g. conservation tillage); subsurface treatment (e.g. deep ripping). <u>Vegetative measures :</u> plantation / reseeding of tree and shrub species (e.g. live fences; tree crows), grasses and perennial herbaceous plants (e.g. grass strips). <u>Structural measures :</u> terraces (bench, forward / backward sloping); bunds banks / level, graded); dams, pans; ditches (level, graded); walls, barriers, palisades. <u>Management measures :</u> change of land use type (e.g. area enclosure); change of management / intensity level (e.g. from grazing to cut-andcarry); major change in timing of activities; control / change of species	Identifed agriculture areas in the country under each SLM practice, ASLM <sub>j</sub>	Sum of all the recorded areas under different SLM practices ASLM = Σ(ASLM <sub>j</sub> )	TerrAfrica and countries

Theme 6		Resilience to Climate Varia	bility		
Performance Category	PC 6.2	Investment in resilience t	building		
1. <u>Objective of the PC</u>	Enhance investments for resilience building initiatives to protect households and vulnerable social groups, as wel as vulnerable ecosystems.				os, as well
2. Performance Target	especially for di	nt investment budget-lines to res saster preparedness plans, functions sed index insurance, from 2015 to	oning early warning and respo		
	<u>Reference in the</u>	Malabo Declaration:	Malabo Decl. 6(b)		
3. <u>Performance</u> Indicator	Indicator		Definition / Explanation		
	to spending needs on resilience building initiatives (EI <sub>RB</sub> )		Government spending on resilience building initiatives refers to the total program spending including spending on benefits and on administrative costs. The indicator captures both the recurrent and capital program budget and is based on administrative program records. Program level spending is presented as a percent of GDP or national budget of the respective year and is aggregated for all programs that contribute to building resilience.		
4. Disaggragation	Parameter/ Unit	Definition	Data required	Computing Methods	d. Source
	1. Existence of government budget- lines on disaster preparedness policy and strategy, El <sub>RB1</sub>	The Budget-lines includes funding needs for establishing Disaster Preparedness policy and strategy, and for its full implementation.	<ul> <li>Availability of the budget lines with adequate funds in the national budget;</li> </ul>	El <sub>RB1</sub> is estimated by: - "0" if No - "100%" if Yes	
	2. Existence of government budget- lines on Early warning and response systems and social safety nets, El <sub>RB2</sub>	The Budget-lines includes funding needs to adequately fund early warning and response systems.	- Availability of well functioning and funded Disaster Risk Management institutions and No. of vulnerable households served by social protection schemes;	El <sub>R82</sub> is estimated by: - "0" if No - "100%" if Yes	
		Existence of index insurance scheme and proportion of households who sebscribe weather based index insurance	<ul> <li>Number of households covered by weather based index insurance schemes, z,</li> <li>Total number of households, Z</li> </ul>	EI <sub>RB3</sub> is the Head count or proportions, and is calculated with the formula: z/Z x 100	
5. <u>Indicator</u> <u>Computing</u>		(t), the <i>Existence of government b</i> ), is : EI <sub>RB</sub> = Average (EI <sub>RBi</sub> ) <sub>i=1 to 3</sub>	udget-lines to respond to spen	ding needs on resilienc	e building

**Performance theme 7: Mutual Accountability for Actions and Results** 

Theme 7		Mutual Accountability for	Actions and Results		
Performance Category	PC 7.1	Country capacity for evid	lence based planning, impl. and	M&E	
1. <u>Objective of the PC</u>	Countries to incl	rease capacity to generate, analys	e and use data, information, knowlegd	e and innovations.	
2. <u>Performance Target</u>	Reach at least 63 for the Index of capacity to generate and use agriculture statistical data and information (ASCI), by 2025.				SCI), by
	<u>Reference in the</u>	Malabo Declaration:	Malabo Decl. 7(c), target set as average of the 10 best ranked countries in the Africa Country Assessm		
3. <u>Performance</u> Indicator	Indicator Index of capacity to generate and use agriculture statistical data and information (ASCI).		Definition / Explanation		
			ASCI (Agricultural Statistics Capacity Indicator) is a multidimensional indicator that measures country's capacity to produce timely and reliable agricultural and rural statistics and provides evidence on the current level of development of national agricultural and rural statistics systems. It is a composite index assessing four dimensions, each comprising an aggregation of a number of different elements/components. The four dimensions are: i) the institutional infrastructure; ii) the resources; iii) the statistical methods and practices and iv) the availability of statistical information. The indicator has been developed in the framework of the Global strategy to develop Agricultural and rural Statistics and is used in other regions in the world.		
4. Disaggragation	Parameter/ Unit	Definition	Data required	Computing Methods	d. Source
	1. ASCI (Agricultural Statistics Capacity Indicator)	It is a composite index assessing four dimensions of statistical capacity at national level in the field of agriculture.	Data provided by countries (through a specific questionnaire) every two years. Baseline available for 2013 and new indicator to be collected in 2015. Countries can use directly the already calculated Index availed by the AfDB for the Biennial Report.	Scores are computed by AfDB and published according to the overall methodology available at: http://www.gsars.org/wp- content/uploads/2014/09/ Guidelines_Country- Assessment_FINAL.pdf	Countries/ AfDB

5.

For a given year(t), ASCI can be reported as already computed and available at the link above.

Computing

Indicator

Theme 7		Mutual Accountability for Action	s and Results			
Performance Category	PC 7.2	Peer Review and Mutual Accour	ntability			
1. <u>Objective of the PC</u>	Establish mechanisms and systems to measure, track and report performance of Member States with respect to progress on key commitments agreed upon.				progress	
2. <u>Performance Target</u>	peer review, m mechanisms ar	ent, harmonization and coordination amo nutual learning and mutual accountability and platforms for mutual accountability and me Malabo Declaration:	, (reach 100% for the Existence			
3. <u>Performance</u> Indicator	Indicator		Definition / Explanation			
	Existence of inclusive institutionalized mechanisms an platforms for mutual accountability and peer review (ECI).		This indicator measures the existence of an institutionalized mechanism and platform for mutual accountability, supporting evicende-based review and dialogue on the implementation of the NAIP and other agricultural related commitments			
4. Disaggragation	Parameter/ Unit	Definition	Data required	Computing Methods	d. Source	
	1. Adherence to mutual accountability principles: AMAP	This parameter assesses the extent to which a countries review process follows the six key principles of mutual accountability (MAP): i) Shared vision, objectives and strategies ii) Agreed performance indicators iii) Evidence-based analysis iv) Inclusive of key stakeholders v) Transparent dialogue vi) Commitment to implement recommendation from review	Number of mutual accountability principles satisfied (MAPS) by the country	AMAP = (MAPS/6)*100	CAADP foca person: country JSR or other annual agricultural sector review report	
	2. Existence of mutual accountability mechanism and platform: EMAP	This parameter assesses the extent to which a country's review mechanism follows the twelve (12) best practices (TBP) of a robust review mechanism. A country needs to have: 1. JSR Steering Committee 2. JSR Secretariat 3. JSR Terms of Reference 4. Financial and human resources 5. Broad group of relevant stakeholders for JSR 6. Assessment of existing agricultural policy dialogue and review processes; data quality and analytical capacities 7. Commissioned JSR relevant studies 8. JSR Review Team 9. JSR Report 10. JSR validation meeting 11. Action Plan 12. Experiences to share with other countries	Number of best practices satisfied (BPS) by the country	EMAP = (BPS/12)*100	CAADP foca person: country JSR or other annual agricultural sector review report	
	3. Coverage of agricultural review report: CARR	This parameter assesses the coverage of the country's review report focusing on the six key areas of assessment (KAA): i) Development results ii) JSR Report iii) Financial and non-financial commitments including by NSAs iv) Policy implementation v) Assessment of linkages vi) Review recommendations	Number of key areas covered by the country's review report (NKAA)	CARR = (NKAA/6)*100	CAADP foca person: country JSR or other annual agricultural sector review report	

For a given year, the **Existence of inclusive institutionalized mechanisms for mutual accountability and peer review**, is : **ECI = (AMAP + EMAP + CARR) / 3** 

Theme 7	Mutual Accountability	for Actions and Results	
Performance Category	PC 7.3 Biennial Agriculture	Review Process	
1. <u>Objective of the PC</u>	-	to serve mutual accountability platforms, experiences sharing amongst nt issues, and promote lessons learnt for performing on Malabo Declaration	
2. <u>Performance Target</u>	t Conduct a biennial Agriculture Review Process that involves tracking, monitoring and reporting progress made in implementing the Malabo Declaration, by availing the regular country Biennial Report to the AU Assembly.		
	Reference in the Malabo Declaration:	Malabo Decl. 7(a)	
3. <u>Performance</u> Indicator	Indicator	Definition / Explanation	
-	Country Biennial Report submission (BR).	Report prepared using under the strategic guidance provided by the AUC and NPCA in collaboration with the RECs, and using the Reporting Template that has been availed on this proposed.	
		The BR is the final report that has included amendments after validation : - at national level with a stakeholders' group established for this purpose (eg. country Joint Sector Review, JSR process) - at subregional level led by the RECs.	

4. Disaggragation
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Parameter/ Unit	Definition	Data required	Computing Methods	d. Sour
1. Draft 1 country Biennial Report	It is draft Country Biennial Report that has been <u>validated at country level</u> , and has been <u>reviewed</u> with national stakeholders' amendments (eg. JSR process).	Availed Draft 1 that is submitted officially when failure in the next steps.	<b>BR<sub>1</sub> = 25%</b> if the step is fully completed and 0 if not.	
2. Quality of the Draft 1 of the Biennial Report	Number of parameters reported out of the total parameters proposed in the Template of Country Report.	n = number of parameters reported by the country N = total number of parameters reflected in the country reporting format	$BR_2 = BR_1 + (25\% * n/N)$ , as cumulated with the former steps.	
3. Draft 2 country BR	It is the draft Country Biennial Report that has been <u>validated at subregional level</u> , and which has taken into account amendments on data harmonization and alignment.	Participation of the country in the REC's technical alignment and political endorsement meeting. Availed Draft 3 that is submitted officially when failure in the next step.	<ul> <li>- BR<sub>3</sub> = (BR2 + 25%), when the report is discussed at the meeting, and the <u>country has participated</u> in the discussion.</li> <li>- BR<sub>3</sub> = (BR2 + 12.5%), when the report is <u>discussed</u> at the meeting, and the <u>country has not</u> <u>participated</u> in the discussion.</li> <li>- BR<sub>3</sub> = BR<sub>2</sub> if this step is not reached.</li> </ul>	
4. Submission to the AUC/NPCA through RECs	It is when the Country follows the endorsed process of submitting the final Biennial Report to the AUC/NPCA through the RECs.	Report submitted to the REC by the Country.	BR <sub>4</sub> = BR <sub>3</sub> + 25% , as cumulated value with the former steps if this step is fully reachd, and BR <sub>3</sub> + 0 if it is not.	

For a given year of the BR exercise, the Country Biennial Report submission, is assessed as:  $BR = BR_{k}$ , whereas k is the step reached.



African Union Commission, Headquarters, Addis Ababa, Ethiopia Department of Rural Economy and Agriculture (DREA), Comprehensive African Agriculture Development Programme (CAADP) Contacts: Anselme Vodounhessi, <u>anselmev@africa-union.org</u> & Maurice Lorka N'Guessan, <u>N'Guessanp@africa-union.org</u>