



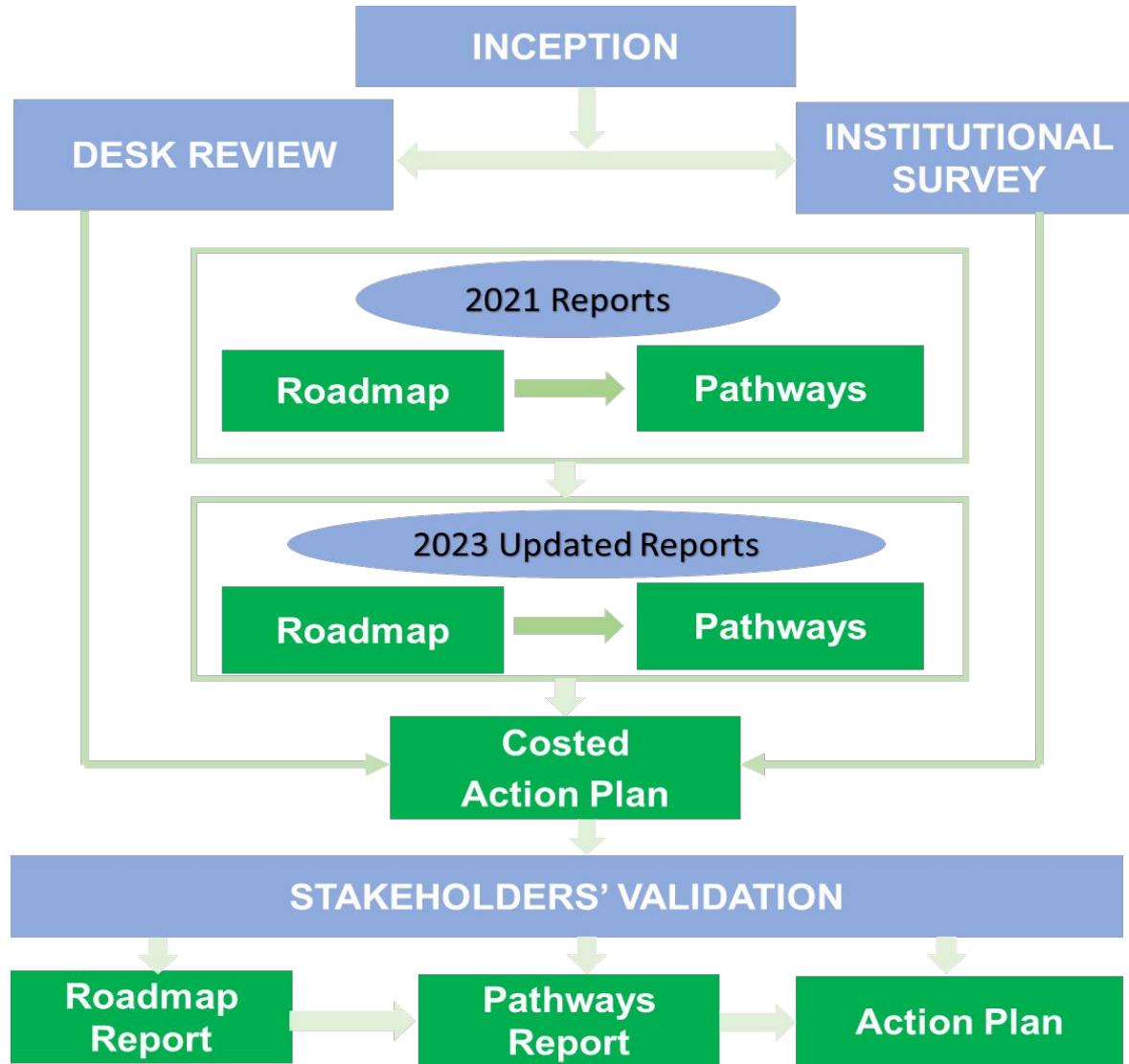
**THE UNITED REPUBLIC OF TANZANIA**  
**MINISTRY OF AGRICULTURE**

**Updating National Food Systems  
Transformation Roadmap, Pathways and  
Development of A Costed Action Plan**

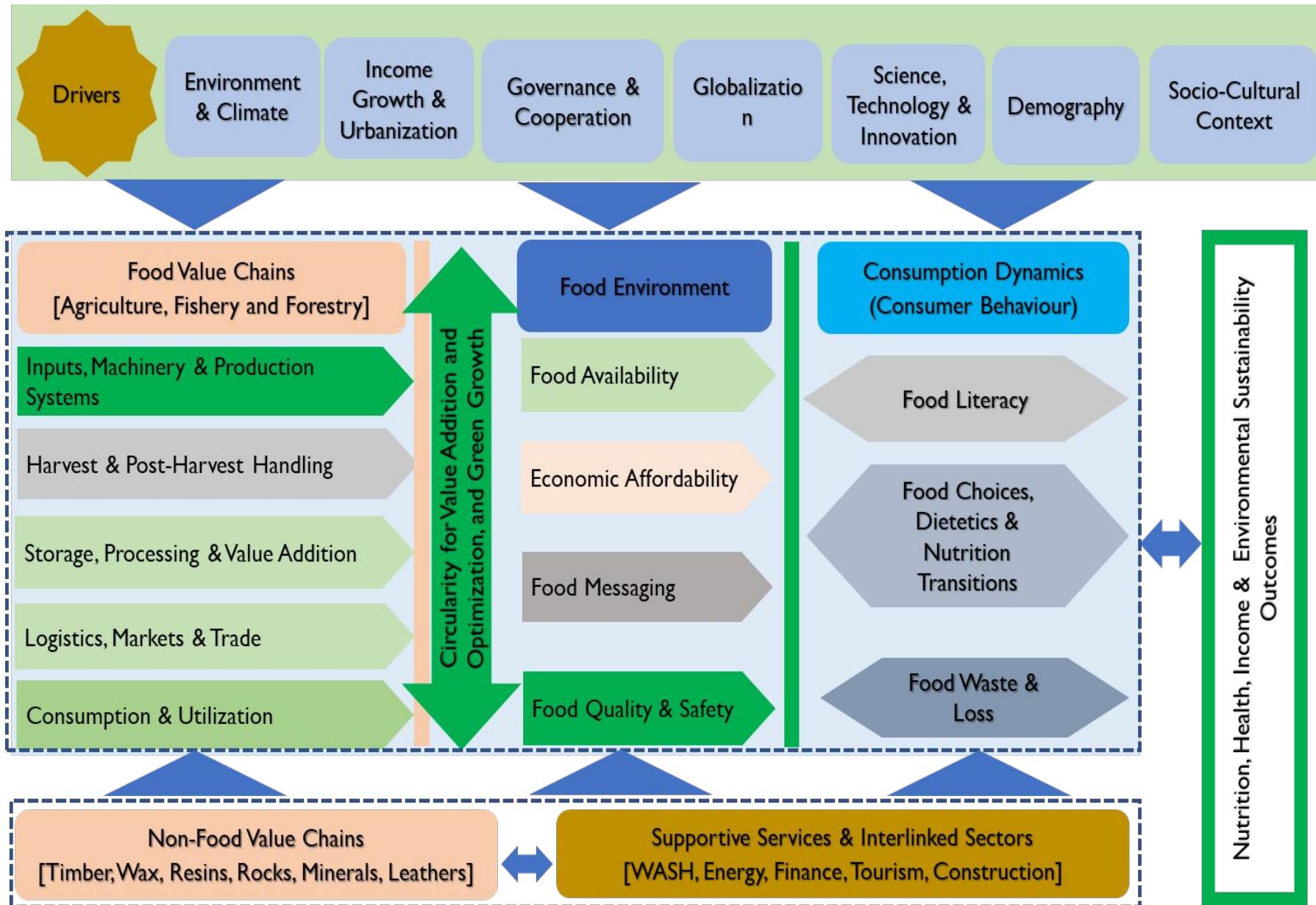
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*Presented at the Validation Workshop, 23-24.05.2024, Morogoro.*

# The General Approach



# Updated SFS Framework



# 2021 Pathways for SFS

1. Production and productivity in crop, livestock and fisheries sub-sectors;
2. Financing agriculture and private sector involvement;
3. Nutritious, healthy and safe food diets for all and school feeding programmes;
4. Climate change mitigation, adaptation and biodiversity protection;
5. Resilient food systems and livelihoods; and
6. Sustainable food systems enablers including ICT, gender, environment, equity, Research and Development (R&D) and political economy.

# 2023 Update Pathways for SFS

1. Production, productivity and extraction in crop, livestock, fisheries and forestry sub-sectors;
2. Increased financing of agriculture and private sector engagement in food systems;
3. Ensure nutritious, healthy and safe food for all including school feeding programmes;
4. Climate and environmental changes mitigation, adaptation and sustainable management of ecosystems and biodiversity;
5. Resilient food systems and decent livelihoods; and
6. Sustainable food systems enablers including ICT, Gender and Inclusivity, R&D, Sustainable Energy and Governance

# **Strategic Game Changers**

**Pathway 1:** Production, productivity and extraction in crop, livestock, fisheries and forestry sub-sectors

- 1. promote small animals and aquaculture at the community level**
- 2. develop nutrition-sensitive, efficient and affordable seed system**
- 3. ensuring equitable access to land and water resources**
4. Integrate food and nutrition security objectives in forest conservation, tree planting and agroforestry
5. promote nutritionally diversified food production
6. strengthen block and contract farming systems

# **Strategic Game Changers**

**Pathway 2:** Increased financing of agriculture and private sector engagement in food systems

- 1. promote investment in locally adaptive innovations and access to affordable sustainable technologies**
- 2. promote access to finance for investments in the food systems**
- 3. improving investment in infrastructure including irrigation and rural roads**
- 4. increase investment in the implementation of NMNAP II**
- 5. involve private sector support in school feeding programs and improving food environment around schools**
- 6. promote PPP investment in seeds, semen, animal breeding and fingerlings production**

# Strategic Game Changers

**Pathway 3:** Ensure nutritious, health and safe food diets for all including school feeding programmes

1. **promote local availability and access to nutritious, safe and healthy foods**
2. **promote bio- and industrial fortification of foods**
3. **regulate the promotion of unhealthy foods to curb their access to children and adolescents**
4. engage private sector for improving school feeding and food environment around schools
5. expand the 1,000-day window for dietary health counseling and services for expecting and under-fivers' caring mothers
6. implement the National Dietary and School Feeding Guidelines

# Strategic Game Changers

**Pathway 4:** Climate and environmental changes mitigation, adaptation and sustainable management of ecosystems and biodiversity

1. **promote ecosystem based, precision and climate-smart production and extractive systems in agriculture, livestock, fisheries and forestry**
2. **promote green growth through abatement of emissions and other environmental footprints across economic growth and service sectors**
3. **promote community-based restoration and management of degraded ecosystems**
4. **promote sustainable forestry management including joint and participatory management**
5. **exploit opportunities for verified carbon trade in the food systems**
6. **enhance the capacity of the National Carbon Monitoring Centre**

# Strategic Game Changers

## Pathway 5: Resilient food systems and decent livelihoods

1. enhance investments in smallholder-based, localized, diversified, decentralized and market-linked food systems
2. enhance nutrition-sensitivity and private sector engagement in the national food reserve initiatives
3. enhance integrated resilience-focused disaster risk reduction, climate adaptation and social protection

# Strategic Game Changers

**Pathway 6:** Sustainable food systems enablers including ICT, Gender and Inclusivity, R&D, Sustainable Energy and Governance

1. **strengthen governance of food safety along food value chains destined for both domestic and export markets**
2. **promote the use of Science, Technology and Innovation (STI) within digital advances to efficiently govern sustainable food systems**
3. **promote gender-sensitivity and inclusivity in the food systems**
4. **Improve availability, accessibility, affordability and reliability of alternative sustainable clean energies in the food systems**
5. Develop incentive structures for increased private investments in sustainable and clean energy solutions in the food systems
6. design governance incentive structures to promote nutrition-sensitive agri-food processing
7. fast-track legal framework for protection of agricultural land to ensure food production

# Strategic Visioning of the SFS AP

- Development of Sustainable and Inclusive Food Systems by 2030 as the **Goal**;
- Pathways as **Sub-Goals**;
- Results-oriented Milestones and Game-Changers sorted and realigned as **Strategic Objectives**; and
- Action-oriented Milestones and Game-Changers sorted and realigned as **Specific Actions**.

## Table 1: FSAP Matrix for Sub-Goal 1

Sub-Goal Name	Strategic Objectives		Budget Estimates	
			USD	TZS
<i>Production and productivity in crop, livestock, fisheries and forestry sub-sectors SUSTAINABLY IMPROVED</i>	1.1	Small animals and aquaculture at community level PROMOTED by 2030	552,464.50	1,408,784,475.00
	1.2	Nutrition-sensitive, efficient and affordable seed system DEVELOPED by 2030	225,278.90	574,461,195.00
	1.3	Equitable access to land and water resources for production of nutrient-dense foods ENSURED by 2030	1,858,881,643.50	4,740,148,190,925.00
<b>Total</b>			<b>1,859,659,386.90</b>	<b>4,742,131,436,595.00</b>

## Table 2: FSAP Matrix for Sub-Goal 2

Sub-Goal Name	Strategic Objectives	Budget Estimates	
		USD	TZS
<i>Financing of nutrition-sensitive agriculture and private sector engagement in the food systems IMPROVED</i>	2.1	Investments and access to locally adaptive nutrition-sensitive innovations IMPROVED by 2030	1,570,424.27 4,004,581,892.14
	2.2	Access to finance for investments in food systems IMPROVED by 2030	933,674.27 2,380,869,392.14
	2.3	Investments in infrastructure including irrigation and rural roads IMPROVED by 2030	238,535,428.89 608,265,343,658.57
<b>Total</b>		<b>241,039,527.43</b>	<b>614,650,794,942.86</b>

### Table 3: FSAP Matrix for Sub-Goal 3

Sub-Goal Name	Strategic Objectives		Budget Estimates	
			USD	TZS
<i><b>Nutritious, healthy and safe food diets for all including school feeding programmes ENHANCED</b></i>	3.1	Local availability and access to nutritious, healthy and safe foods IMPROVED by 2030	2,308,943.40	5,887,805,670.00
	3.2	Biofortification of food crops and industrial fortification of processed foods PROMOTED by 2030	9,334,004.86	23,801,712,393.00
	3.3	Promotion of unhealthy foods to children and adolescents to curb their access REGULATED by 2030	4,553,699.49	11,611,933,699.50
<b>Total</b>			<b>16,196,647.75</b>	<b>41,301,451,762.50</b>

## Table 4: FSAP Matrix for Sub-Goal 4

Sub-Goal Name	Strategic Objectives		Budget Estimates	
			USD	TZS
<i>Climate and environmental changes mitigation, adaptation and sustainable management of ecosystems and biodiversity ENHANCED</i>	4.1	Ecosystem-based, precision and climate-smart food production, extraction and capture systems PROMOTED by 2030	615,000.00	1,568,250,000.00
	4.2	Inclusive green growth through upgraded food value chains PROMOTED by 2030	690,000.00	1,759,500,000.00
	4.3	Community-based sustainable restoration and management of severely degraded ecosystems PROMOTED by 2030	1,795,000.00	4,577,250,000.00
<b>Total</b>			<b>3,100,000.00</b>	<b>7,905,000,000.00</b>

## Table 5: FSAP Matrix for Sub-Goal 5

Sub-Goal Name	Strategic Objectives		Budget Estimates	
			USD	TZS
<i>Resilience food systems and in decent livelihoods ENHANCED</i>	5.1	Investments in smallholder-based, localised, diversified, decentralised and market-linked food systems ENHANCED by 2030	8,372,474.45	21,349,809,847.50
	5.2	Nutrition-sensitivity and private sector involvement in the national food reserve initiatives ENHANCED by 2030	2,293,529.40	5,848,499,970.00
	5.3	Integrated resilience-focused disaster risk reduction, climate adaptation and social protection ENHANCED by 2030	540,000.00	1,377,000,000.00
<b>Total</b>			<b>11,206,003.85</b>	<b>28,575,309,817.50</b>

## Table 6: FSAP Matrix for Sub-Goal 6

Sub-Goal Name	Strategic Objectives	Budget Estimates	
		USD	TZS
<b><i>Sustainable food systems enablers (incl. ICT, Gender, Inclusivity, R&amp;D and Governance ENHANCED</i></b>	<b>6.1</b> Governance of food safety along the value chains destined for both domestic and export consumption STRENGTHENED and COORDINATED by 2030	80,000.00	204,000,000.00
	<b>6.2</b> Use of Science, Technology and Innovations (STIs) within digital advances to efficiently govern sustainable food systems PROMOTED by 2030	150,000.00	382,500,000.00
	<b>6.3</b> Gender-sensitivity and inclusivity in the food systems ENHANCED by 2030	3,050,000.00	7,777,500,000.00
	<b>6.4</b> Availability, accessibility, affordability and reliability of alternative sustainable clean energies in the food systems IMPROVED by 2030	4,600,000.00	11,730,000,000.00
<b>Total</b>		<b>3,280,000.00</b>	<b>8,364,000,000.00</b>

## Table 7: Overall FSAP Budget

Sub-Goal Name	Budget Estimates	
	USD	TZS
Production and productivity in crop, livestock, fisheries and forestry sub-sectors SUSTAINABLY IMPROVED	1,859,659,386.90	4,742,131,436,595.00
Financing of nutrition-sensitive agriculture and private sector engagement in the food systems IMPROVED	241,039,527.43	614,650,794,942.86
Nutritious, healthy and safe food diets for all including school feeding programmes ENHANCED	16,196,647.75	41,301,451,762.50
Climate and environmental changes mitigation, adaptation and sustainable management of ecosystems and biodiversity ENHANCED	3,100,000.00	7,905,000,000.00
Resilience food systems and in decent livelihoods ENHANCED	11,206,003.85	28,575,309,817.50
Sustainable food systems enablers (incl. ICT, Gender, Inclusivity, R&D and Governance ENHANCED	3,280,000.00	8,364,000,000.00
<b>For All Sub-Goals</b>	<b>2,134,481,565.93</b>	<b>5,442,927,993,117.86</b>

# Food Systems Transformation: some facts

- Sustainable food systems transformation would not require completely new sets of actions –but we can not address the same critical issues the same way and expect different results
- Transformation will involve trade-offs and transitions – the dynamics urging for adaptive management
- Embracing its broader multi-sectoral perspective: extending beyond ‘food production’ to other issues of nutrition, health, transportation and logistics, markets and trade, agri-food processing, sustainable energies etc. – and non-linear interactions with other non-food sectors such as tourism, mining etc.

## Food Systems Transformation: some facts

- Articulating what it takes to deliver transformations – the pathways and strategic actions
- Integration and alignment with existing plans and actions across sectors (budgetary allocative/appropriation efficiency)
- Strengthen food systems transformation coordination across planning scales: local, sub-national and national
- Institutionalization and socialization of sustainable food systems transformation pathways and actions with key stakeholders

# Food Systems Transformation Delivery Structure

- Will the food systems transformation require a separate delivery structure? An explicitly formal, may be Not!
- How coordination of food systems transformation can be effectively done across planning and development scales: local, sub-national (district/region) and national to global
- How does the current National Food Systems Steering Committee (NFSSC) cascade to lower planning levels: subnational to local?
- In the following slides we propose a structure – whether formalized or not!

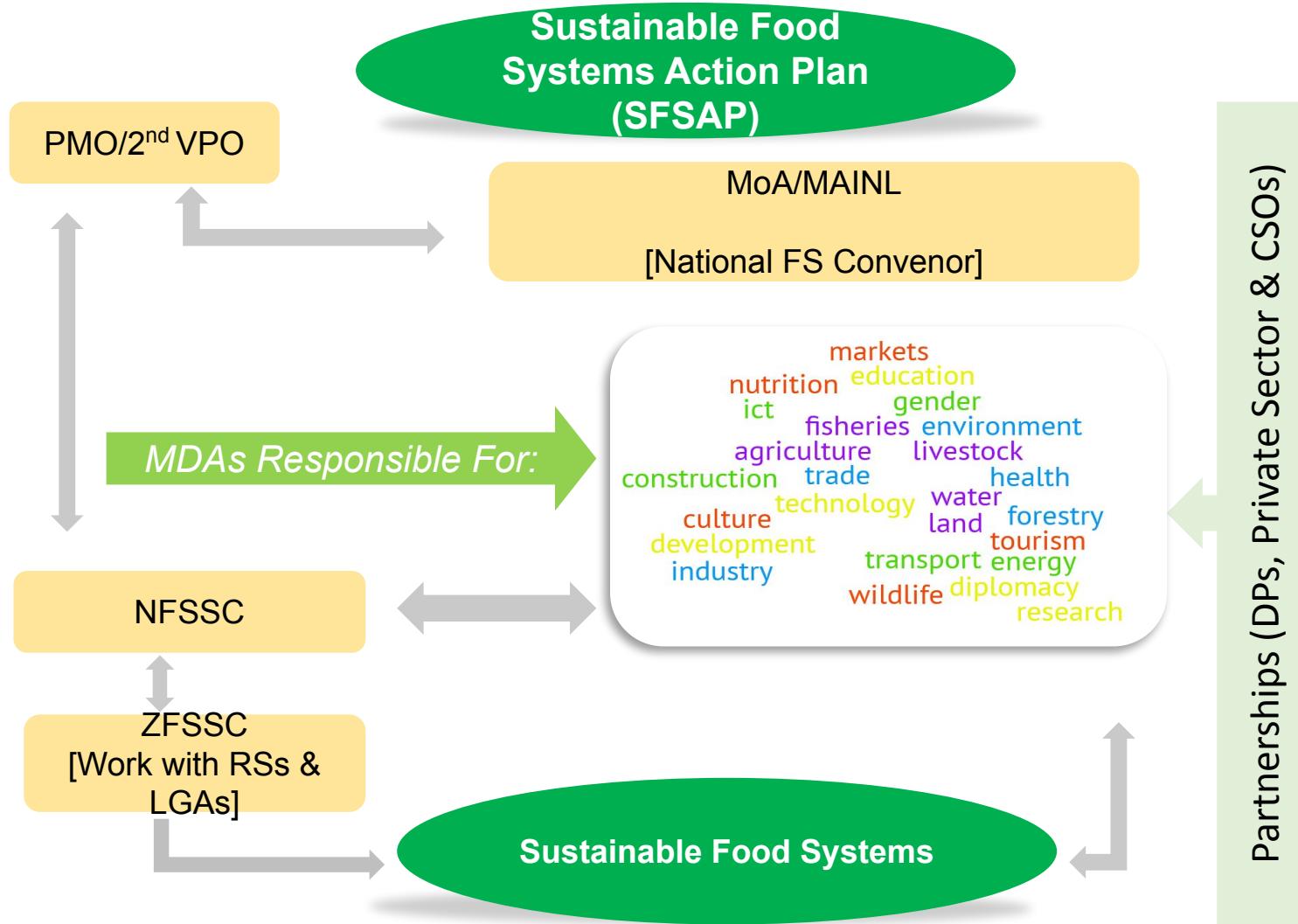
## Food Systems Transformation Delivery Structure

- Suppose having a spatial planning involving 9 geographical zones used by MoH in Reproductive and Child Health planning and interventions (TDHS-MIS 2022)
- But, such nutrition-cum-health emphasizing delivery spatial planning overlaps significantly with AEZs.
- It time now forward to emphasize on nutrition and health signatures in the food systems Such zones would serve as FSAP intervention/action domains for intended impacts in the food systems transformation
- TDHS-MIS has established a range of health, nutritional and demographic metrics that can serve as baselines for benchmarking delivery of the roadmap through the FSAP

# Food Systems Transformation Delivery Structure

- 1) **Western zone:** Tabora, Kigoma;
- 2) **Northern zone:** Kilimanjaro, Tanga, Arusha;
- 3) **Central zone:** Dodoma, Singida, Manyara;
- 4) **Southern Highlands zone:** Iringa, Njombe, Ruvuma;
- 5) **Southern zone:** Lindi, Mtwara;
- 6) **South West Highlands zone:** Mbeya, Rukwa, Katavi, Songwe;
- 7) **Lake zone:** Kagera, Mwanza, Geita, Mara, Simiyu, Shinyanga;
- 8) **Eastern zone:** Dar es Salaam, Pwani, Morogoro; and
- 9) **Zanzibar zone:** Kaskazini Unguja, Kusini Unguja, Mjini Magharibi, Kaskazini Pemba, Kusini Pemba

# Food Systems Transformation Delivery Structure



## Consultation process to validation

The updating process seized upon opportunities involving key stakeholders' platforms where the updating work in progress was presented and get inputs received and incorporated in the documents:

- *ASDP II review and replanning process for the next 7 years up to 2030 (2023/24-2029/30)*
- *Development of the Tanzania Agriculture Master Plan (AMP) in line with national Vision 2050 (its development in progress) and 2030 ambitions stipulated the agriculture sector agenda 10/30 (agriculture sector growing at 10% per annum by 2030)*

## Consultation process to validation...

- *National and subnational stakeholders' workshop on food systems transformation:* this was organised by the FAO on 15<sup>th</sup> December 2023 at Golden Tulip City Centre Hotel, Dar es salaam.
- *Virtual workshop for sharing updating progress with Tanzania-based Rome-based UN agencies (FAO, IFAD & WFP) and other International organizations (UNEP, GAIN, UNICEF):* the workshop was organized by FAO on 25<sup>th</sup> January 2024
- *Virtual workshop for sharing updating progress with UN Food Systems Coordination Hub, UN resident Coordinator, FAO, WFP and IFAD:* the workshop was organised by FAO on 23<sup>rd</sup> February 2024
- *Virtual workshop for sharing updating progress with National Development Partners' Working Group on Nutrition:* the workshop was organized by FAO on 4<sup>th</sup> March 2024.

**Thank You, For Your Attention**

**Your Inputs and Validation  
are Appreciated**