

Drivers of change for sustainable nutrition

Barbara Zilly, Head of Capacity Development Department
IFOAM – Organics International – Nairobi, 18th of June 2019

Nutrition in Mountain Agro Ecosystems = NMA

“

- *Replication and scaling up sustainable agriculture practices to promote improved nutrition and resilience driven by an action network of empowered rural service providers aiming at a broad impact on micro, national and global levels.*

NMA positioning

Addressing poverty
and malnutrition

**Mountain
Agroeco-
systems**

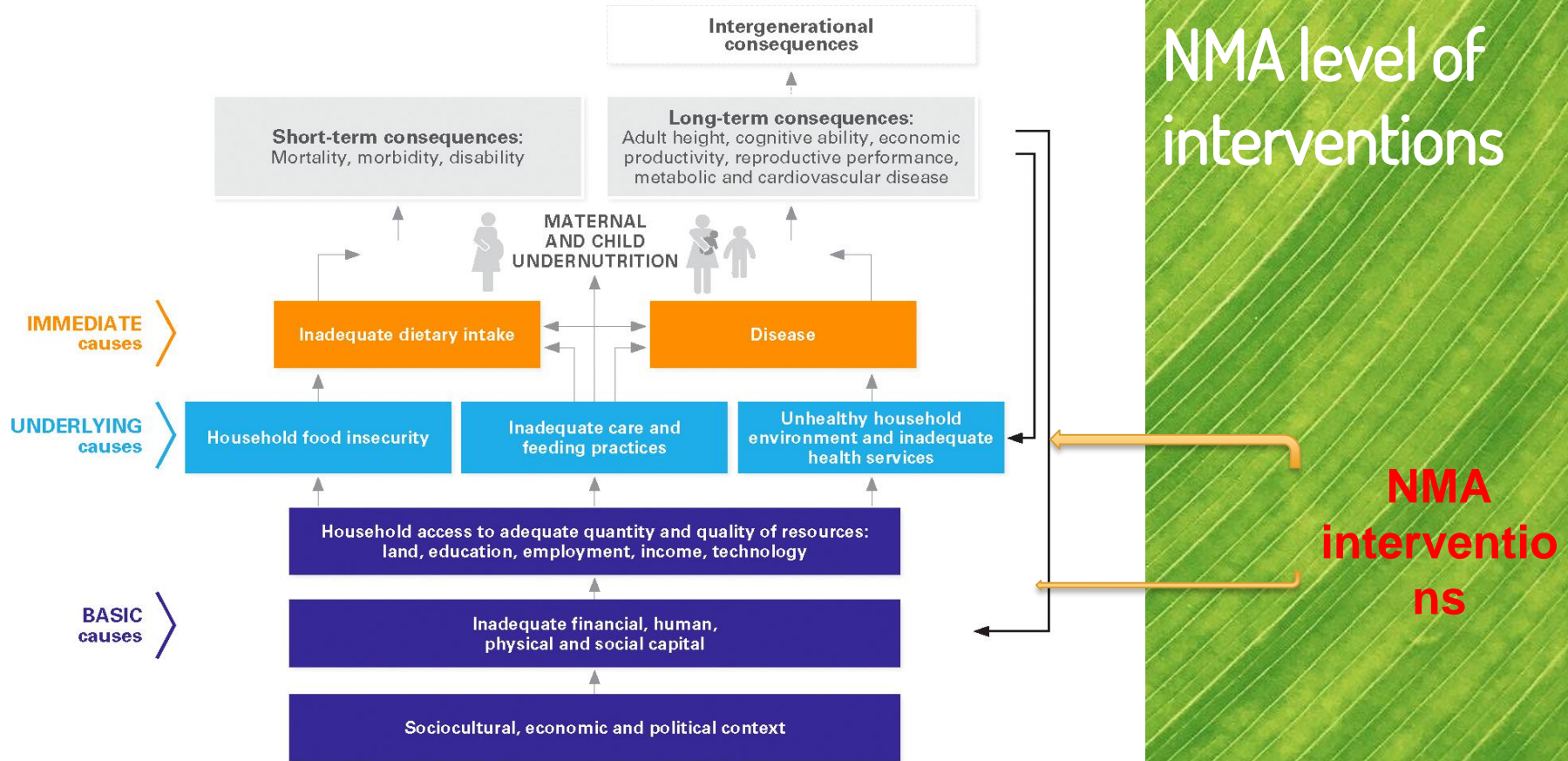
**Nutrition
sensitive
Agri-
culture**

**Replication
and Scaling**

Diversification of diets to
combat stunting of
children

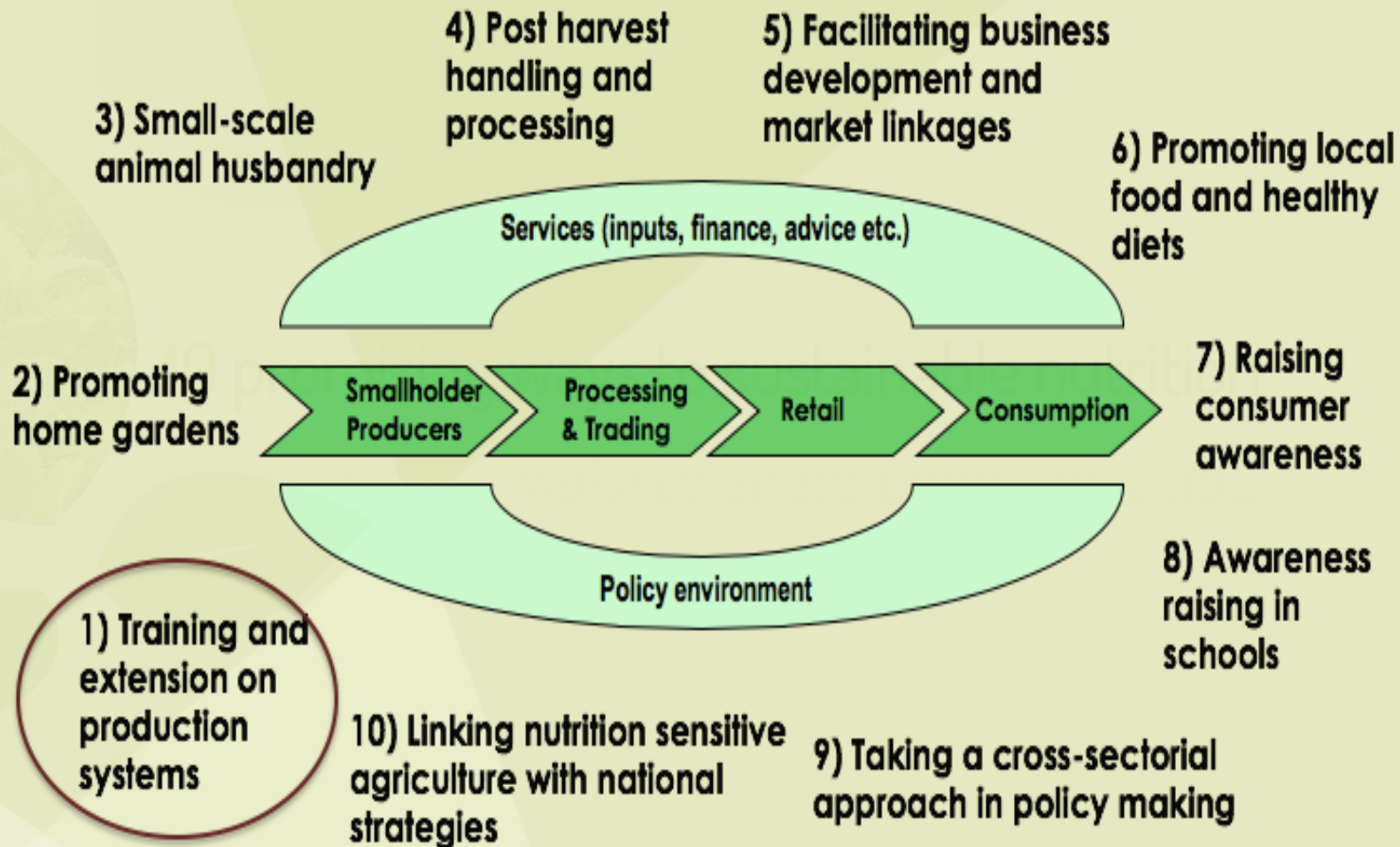
Facilitating agricultural and marketing
practices

NMA level of interventions



The black arrows show that the consequences of undernutrition can feed back to the underlying and basic causes of undernutrition, perpetuating the cycle of undernutrition, poverty and inequities.

Source: Adapted from UNICEF, 1990.



Training and extension on sustainable production systems

Practical know-how and skills on sustainable and diversified production systems provide the basis for improving nutrition.

- Practical training on compost and organic manure production, mulching etc.
- Promotion of rainwater harvesting and drip irrigation
- Facilitating access to markets and income generation



Allies: Agricultural Dept., local NGOs, farmer cooperatives

Mountain Agro-ecosystems Action Network

www.maan.ifoam.bio



Social and knowledge network of Rural Service Providers from mountain areas around the globe


- Linking remote communities
- Diversification of diets to combat malnutrition
- Facilitating agricultural and marketing practices



Dashboard > Public

Welcome!

Welcome to the Mountain



What is MAAN?



It is a network of Rural Service Pr experiences and information, ask world.

Who can join?

The MAAN network is open to any simply [click here to join](#).

We welcome you as a MAAN mem

Country Spaces

Nepal	Pakistan
	

Nepal



Nepal

नेपाल

Space Manager

 Alok Shrestha (Space Manager)


Pages

- 1 NPL | Members
- 2 NPL | Capacity Development / नेपाल: क्षमता विकास तथा सुक्ष्म परियोजना
- 3 NPL | National Nutrition Campaign
- 4 NPL | Library
 - 2. Sustainable Agriculture
 - 3. Teaching and training materials

Nepal Home

Created by Simon Kufferath, last modified on May 18, 2017


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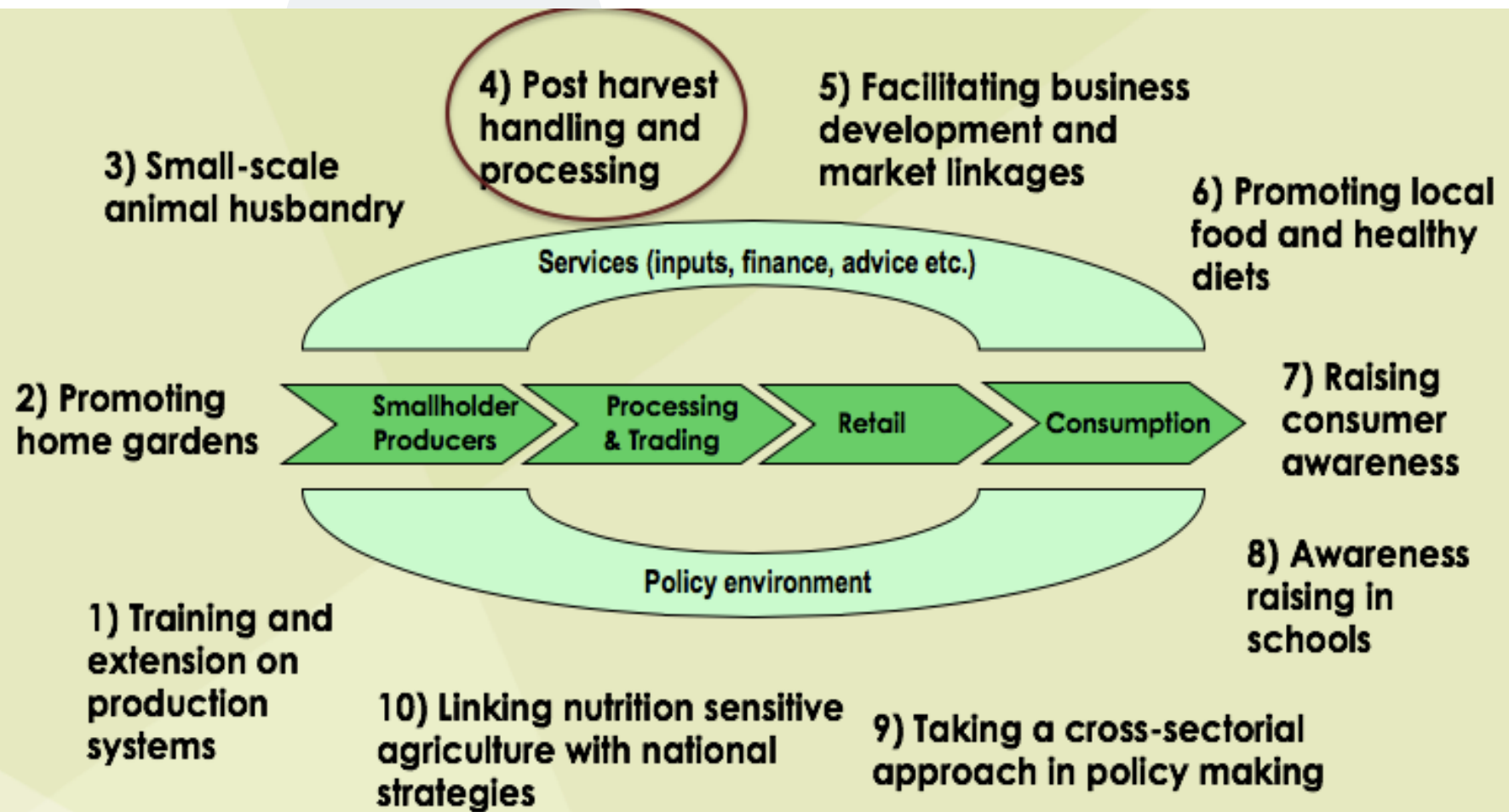


दैलेखको लौकुरी जनमाध्यामिक बिद्यालयमा आमा समुहको अगुवाई स्वास्थ्य चौकीको समन्वयमा पोषण मेला

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Recently Updated

 Alok Shrestha

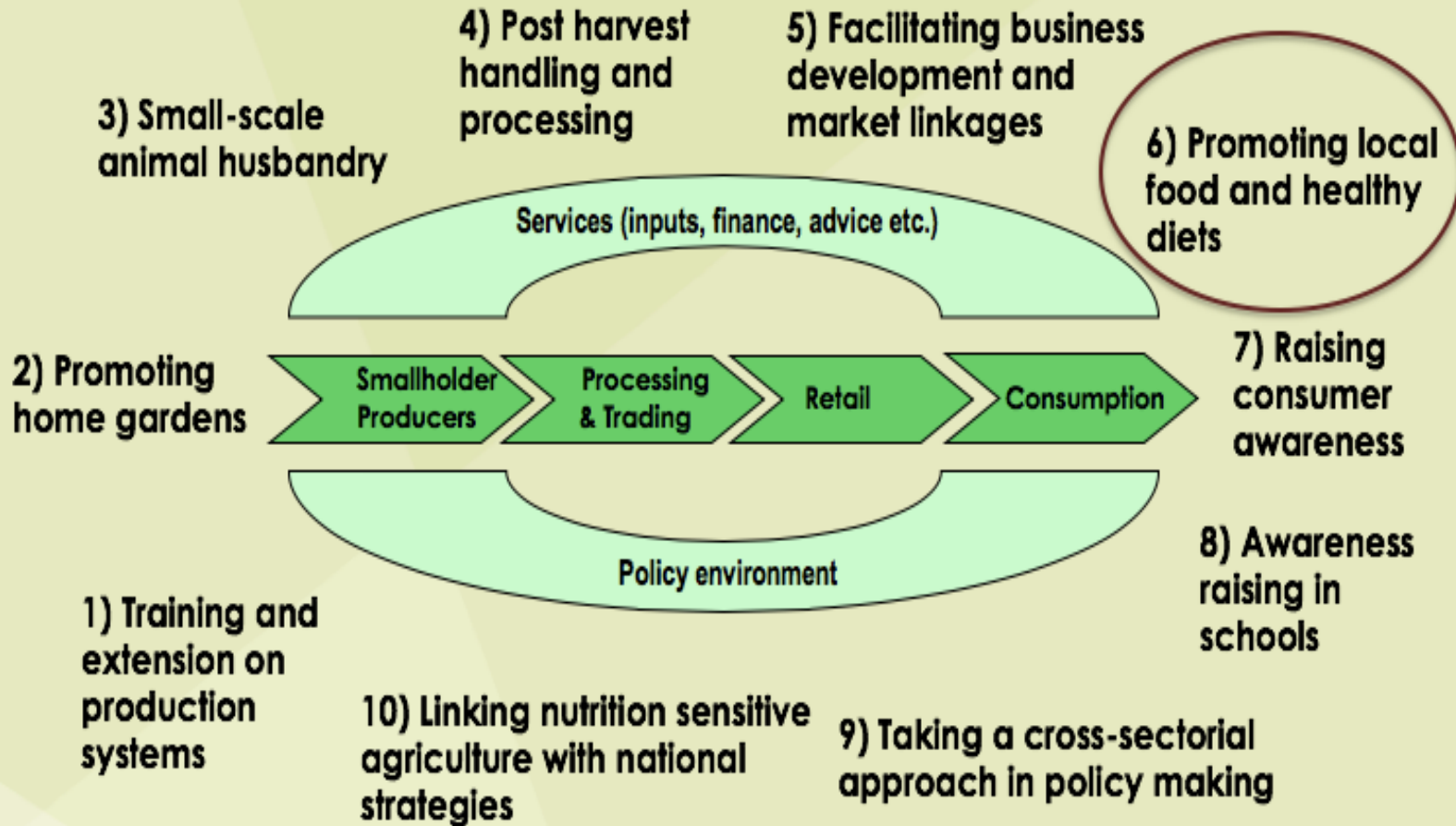


Improved post-harvest handling and small-scale processing at household or village community level allows reducing food waste and adding value.

- Support drying of fruits and vegetables
- Training on food safety and quality management
- Promoting healthy diets



Allies: Ministry of Agriculture, extensionists, NGOs, businesses



Examples of NMA impact on policies

- Ministry of Agriculture, Land Management and Cooperative (MoALMC) of Nepal published NMA 1 learnings and experiences in the status report on food and nutrition security in Nepal
- SUN network in Pakistan introduced a chapter on NSA in the Action plan of Multi-Sectoral Nutrition Strategy 2018-2025
- NMA RSPs in Ethiopia joined Woreda level Nutrition Technical Committee that influences district level policies
- NSA integrated into school curricula in Mugu and Dailekh districts as well as in district agriculture development strategy in Mugu, Nepal

Minimum Dietary Diversity Score – Women

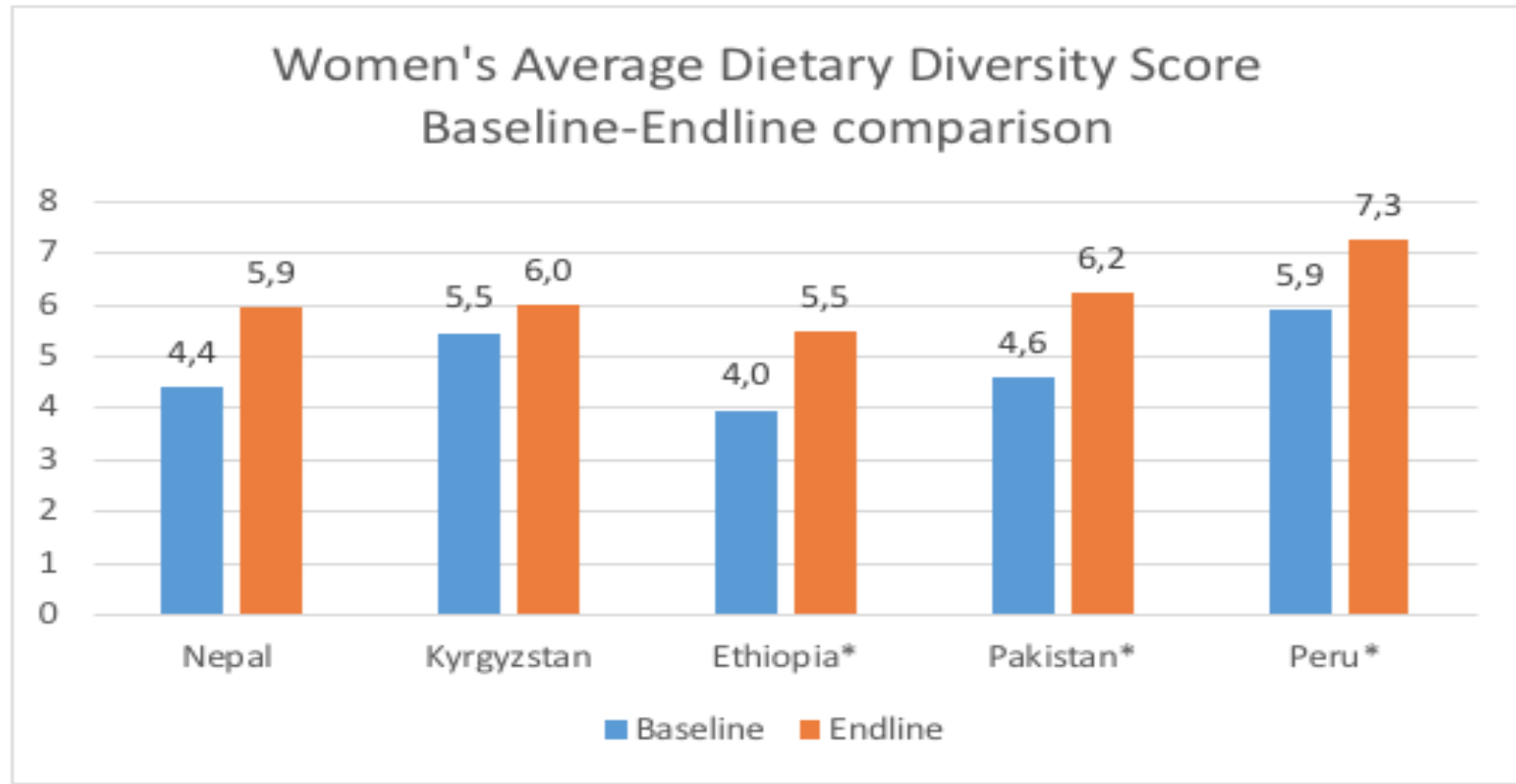


Figure 7. Baseline endline comparison of average WDDS by country

Recommendations at 3 levels

Local level (rural service providers, NGOs, teachers etc.)

- Raise awareness on the importance of dietary diversity
- Support farmers and entrepreneurs to engage in nutrition-sensitive agriculture as a business

National level (policy makers, Civil Society Groups):

- Integrate nutrition-sensitive agriculture in various national strategies of different departments
- Provide an enabling policy environment for NSA

Global level (UN, donors, networks, think tanks etc.)

- Integrate field-level evidence in nutrition strategies
- Support local and national efforts to strengthen nutrition-sensitive agriculture

Nutrition in Mountain Agro-ecosystems in Ethiopia

“

- “*Instead of eating so much, we now eat so many: we have carbohydrate, protein and vitamin in our food.*”

Beneficiary from NMA I, Ergoye



Nutrition in Mountain Agro-ecosystems in Ethiopia...

- National implementing partner, Institute for Sustainable Development (ISD) in Ethiopia
- **Project covered** 5 Geographic areas and 4 nutrition sensitive agriculture **intervention** cultures' by 23 RSPs.
- The concept of the MI was designed by RSPs
- Training on NMA MI was given and selection of RSPs were computation based on their innovative ideas
- Involving health and agriculture extension workers
- RSPs were united in face to face discussion and MAAN action network

Rural Service Providers Network

Global MAAN ▾ African Highlands ▾ Andes ▾ Hindu Kush ▾ Himalayas ▾ Tian Shan ▾ Helpdesk FAQ

Create

Dashboard ▸ Ethiopia

Ethiopia

Space Tools



Ethiopia

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Pages

Base line survey for SUNSAI is undergoing in Lacomelza geographic cluster, Ethiopia

Essentials of nutrition education

ETH | Blog

ETH | Calendar

ETH | Discussions

ETH | Documents

ETH | File lists

ETH | Meeting notes

ETH | Members

Feeding practices must be suited locally based on availability of products



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Ethiopia Home

Created by Simon Kufferath, last modified on Feb 24, 2019

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Implementing Agency in Ethiopia:



Agroecology

agricultural systems, to mainstream sustainable agriculture and multiple other SDGs, the following 10 Elements of agroecology. The 10 Elements of Agroecology are a tool, the 10 Elements can help countries to operationalise agroecological systems and approaches,...

Nutrition education

Nutrition education is included in all Feed the Future nutrition and health information and knowledge products. The audience of such education is mostly women of rural origin. In documents reviewed, nutrition education is generally focuses on changing behaviors, such as dietary



Recently Updated



Zenebech Kericho



Interventions

- All MI projects are playing roles in promoting dietary diversification in



Composting of



Processing



Message to the mass



Organic Vegetable production



Poultry production



- A lot of scientific knowledge about nutrition , community experience, success stories were posted and personal touches or bonds are also tied up a lot

Harvesting, cleaning & processing of Mushroom



New food processing technology for scraping Enset

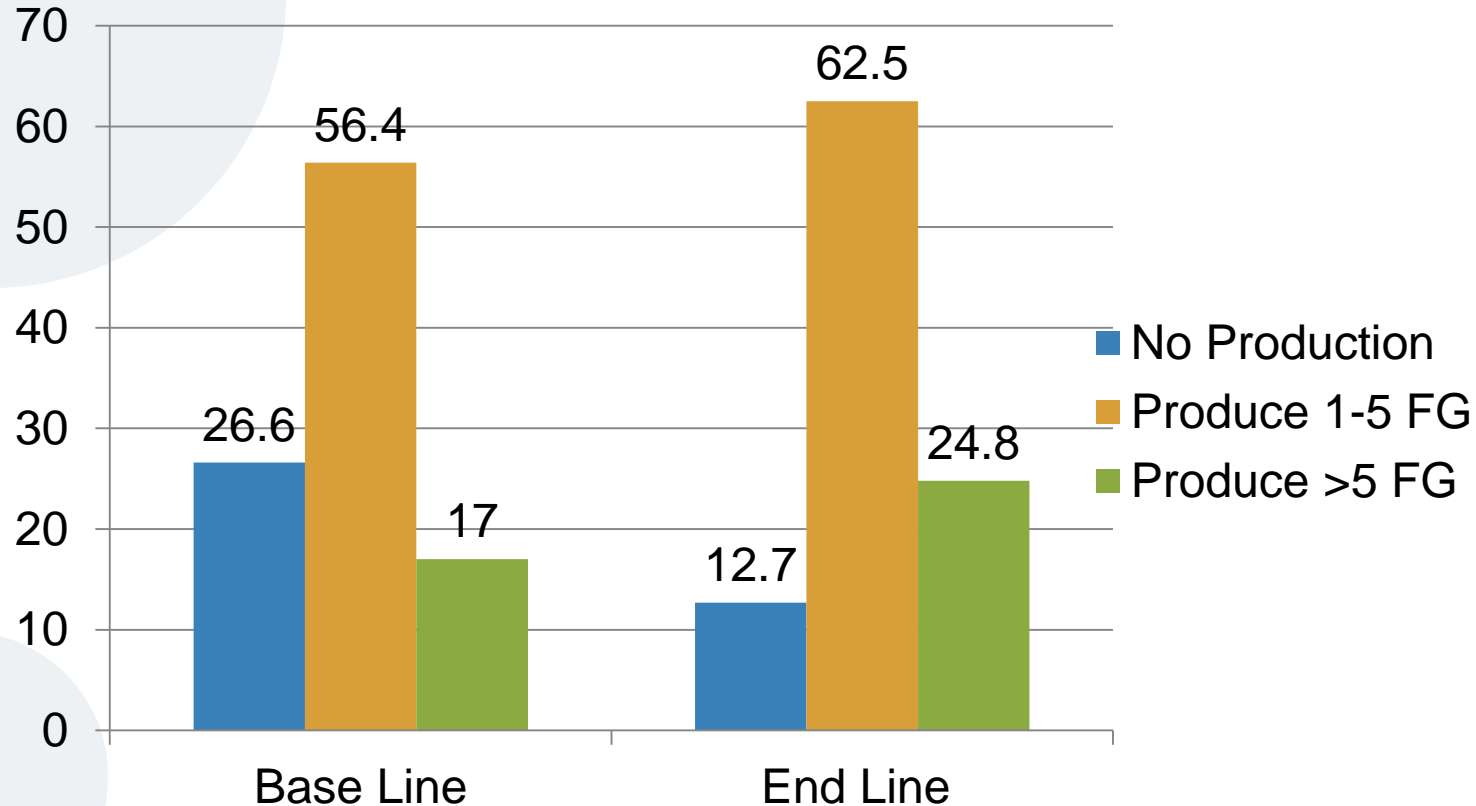


Result

- A total of **440** reproductive age women were included for the intervention

	Intervention cluster	Frequency	percent
1	Production /home gardening	100	22.7
2	Dietary diversity promotion	220	50
3	Access to market	40	9.1
4	Food processing and post harvest loss	80	18.2

Food production



Paired-samples t-test on Production and consumption

S. N O		Mean (SD)		95 % CI	t	P-value
		Base Line	End Line (1yr)			
1	MWDDS	3.65(1.34)	5.38(1.77)	(1.57, 1.90)	20.8	<0.001
2	Production	2.82(2.55)	3.93(2.27)	(0.92, 1.31)	11.2	<0.001

Conclusion

- NMA project intervention has improve MDDS among women and production of different food groups
- Its effect is statistically significant and has large effect on both WDDS and production

SUNSAI (Scaling up Nutrition Sensitive Agriculture Intervention) NMA phase II implementation

- **As a result of Evidence based best achievement from NMA I**

- **Aim**

- **Increase Access to Diverse, Safe, Nutritious Foods**

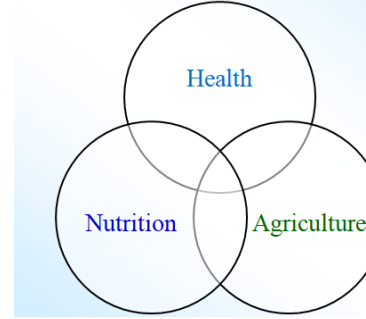
- **Promote Production of Diversified nutritious Foods**

Currently

- Individual RSP is changed to institutional RSP

- Seven SUNSAI projects were awarded from IFOAM to implement from 2018-2021

Opportunities for the implementation of SUNSAI



- Adding knowledge, skill and innovation on indigenous agricultural practice of farmer make it effective.
- Multi sectored collaboration and mainstreaming of nutrition
- NSA course is incorporated in the curriculum of Agriculture field
- Project is well aligned with national policies and strategies (SDG, NNP II, NNSAS, Seqota Declaration and food and Nutrition policy)



vedish Society
r Nature Conservation



FIVOS
people unlimited

**"Knowing is not
enough, we must apply
and
Willing is not enough,
we must do."**



**WORLD FOOD
SERVATION CENTER**
TION - INNOVATION - PRESERVATION

**Biovision
Africa
Trust**

**IFOAM
ORGANICS
INTERNATIONAL**

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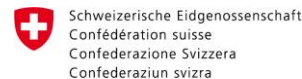
Thanks!

ANY QUESTIONS?

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Swiss Agency for Development
and Cooperation SDC



Swedish Society
for Nature Conservation

