

# Global Food and Nutrition Security

**Global Approaches in the Fight against Food Insecurity and Hunger**

**09 October 2013**

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**[micronutrient.org](http://micronutrient.org) | [@micronutrient](https://twitter.com/micronutrient) | [facebook.com/micronutrient](https://facebook.com/micronutrient)**

# The Micronutrient Initiative

## Purpose

- to ensure the world's most vulnerable, especially women and children- in developing countries get the vitamins and minerals they need to survive and thrive

## Mission / Focus

- Advocacy, technical and programmatic support in collaboration with others to improve consumption of micronutrient supplements and fortified foods

## Global Reach

- >400 Million people in >70 countries benefited from MI support in 2012

## Geographic Focus

- Africa - South East Asia - Latin America and the Caribbean – HQ in Ottawa

## Annual Budget - \$60M



# Why nutrition? The facts

- **2 billion people** are deficient in key **micronutrients** (vitamins & minerals)
- **Over 165 million children under 5** are stunted as a result of malnutrition.
- **52 million children** are too thin and require special treatment.
- At the same time, **43 million children** are overweight - some as a result of poverty, when families are unable to afford a balanced, nutritious diet.

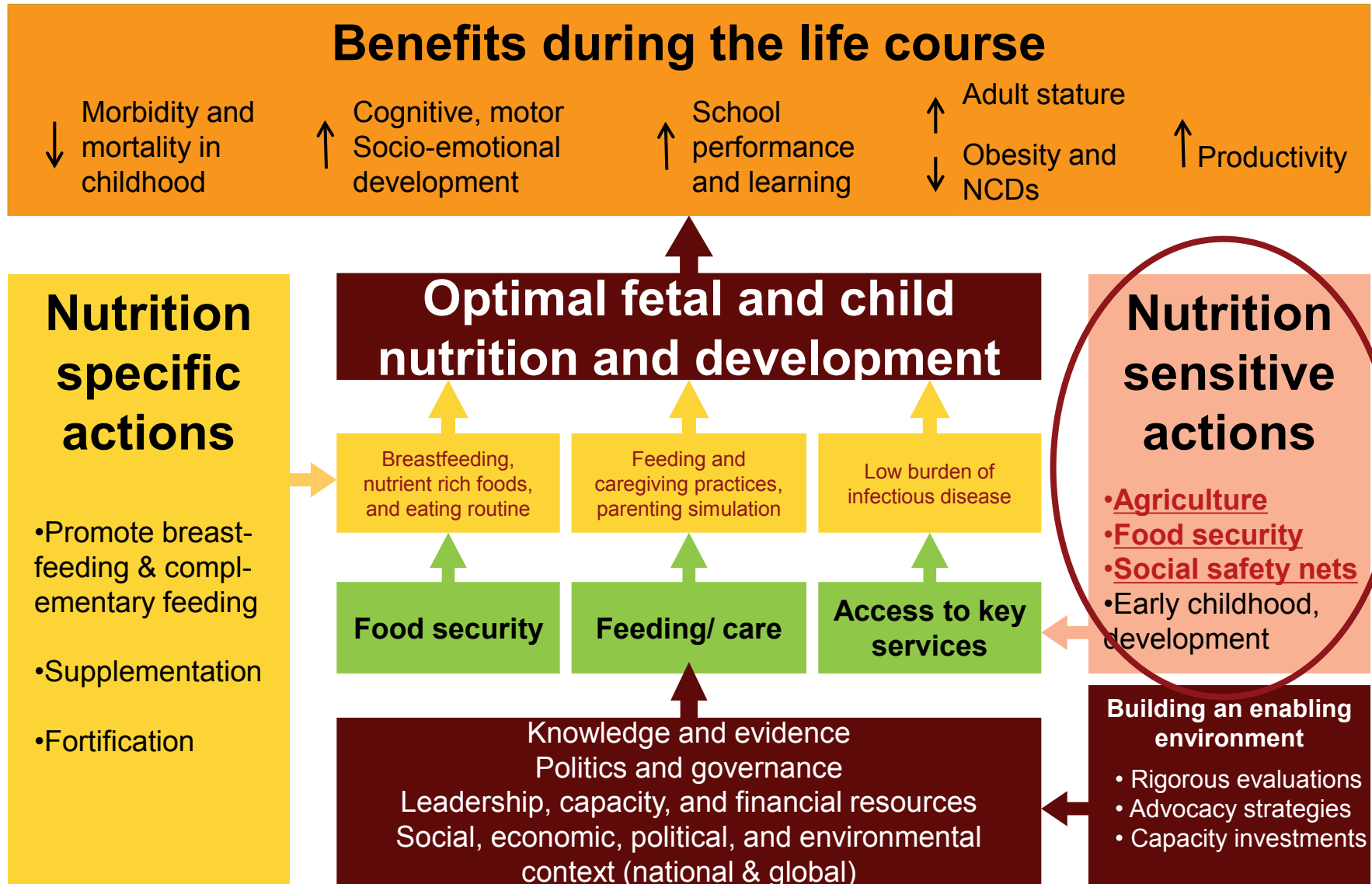


# A smart investment

- Nutrition investments can help break the cycle of poverty and increase a country's GDP by at least **2 to 3% annually.**
- Investing **\$1** in nutrition can result in a **\$30** return in increased health, schooling and economic productivity.



# Framework for nutrition-sensitive & nutrition-specific actions



\* The Lancet -



# The Lancet Nutrition series June 2013 - conclusions

## Targeted nutrition-sensitive agriculture & social protection programs

- Can mitigate effects of shocks & prevent excess undernutrition
- Can enhance scale & effectiveness of nutrition-specific actions

## But need to consider having...

- Clear nutrition goals at the outset, design and implementation to deliver on them, and a focus on empowering women
- Improved targeting, timing & duration of exposure to interventions
- Program platforms that can also deliver health and nutrition services
- Conditions to stimulate demand for programs and services

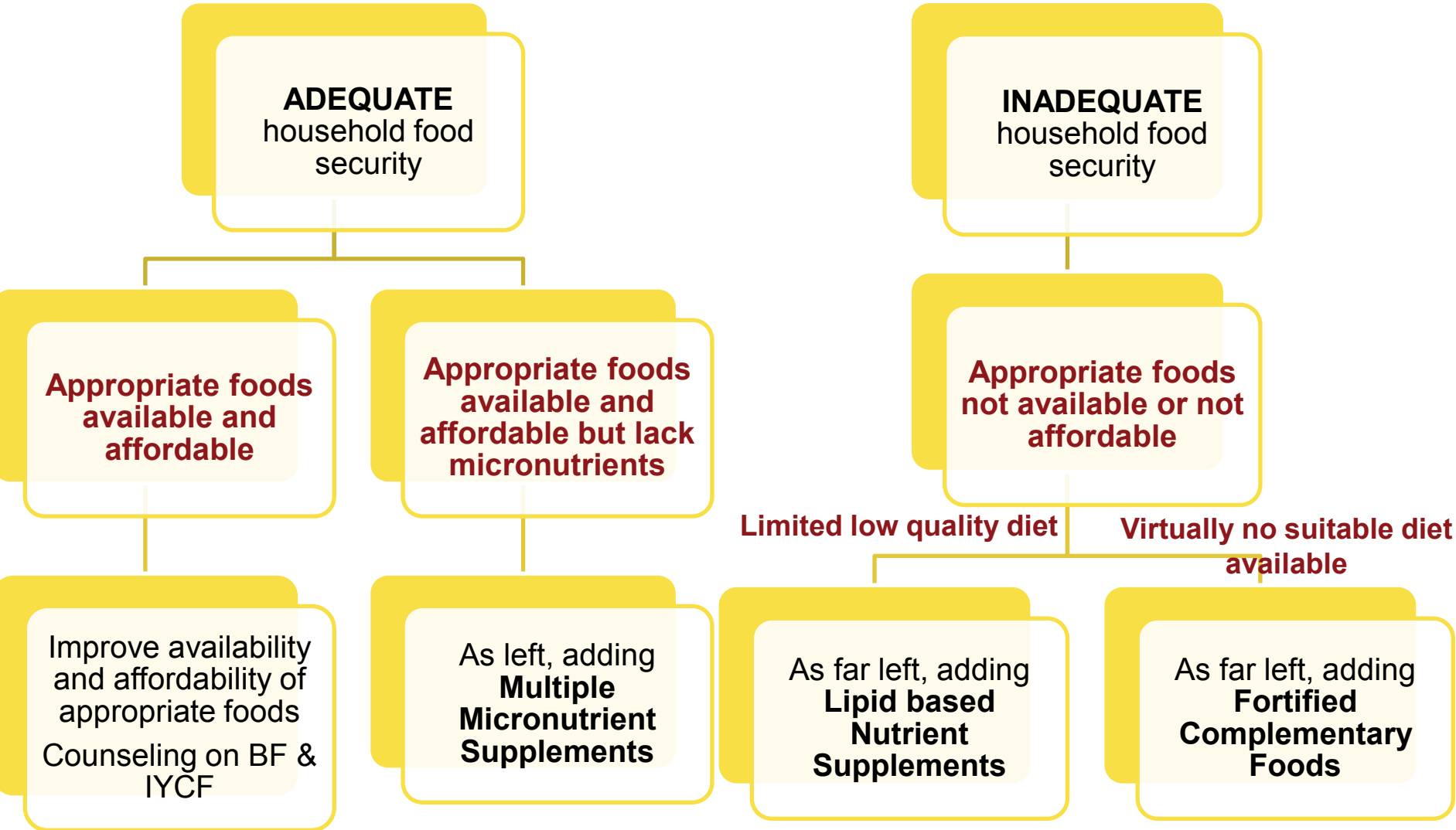


# Agriculture sector actions to improve nutrition

- **HarvestPlus** is breeding **bio-fortified** staple food crops in Africa and Asia with higher levels of micronutrients: iron, zinc, vitamin A:
  - **Iron Beans**
  - **Iron Pearl Millet**
  - **Vitamin A Cassava**
  - **Vitamin A Maize**
  - **Vitamin A Sweet Potato** - Strong evidence on vitamin A intake of mothers and children and vitamin A status of children
  - **Zinc Rice**
  - **Zinc Wheat**
- Modest evidence of impact from home gardens and homestead food production systems on vitamin A intake and status of children



# Community-based action to improve infant & young nutrition



Source UNICEF



**EHNRI, MI and UNICEF project in Ethiopia with Canadian funding**

- Identifies & recommends optimal recipes with local ingredients
- Uses other interventions (MNP, LNS) to fill identified nutrient gaps
- Field-tests recommendations & evaluates impact on infant growth



# Summary

- **The Scaling Up Nutrition Movement** has placed nutrition higher on investors' agendas globally
- Other sectors and programs need to seize opportunities to **improve returns on investment** by including effective “nutrition-sensitive” actions
- **Invest in generating evidence on how to plan & implement actions that are effective at improving nutrition and other outcomes**

Overall, think ...

- **Global Food AND NUTRITION Security**



# Thank You



**42 countries  
are already  
Scaling Up  
Nutrition**

**For more information please visit**

- <http://www.micronutrient.org>
- <http://scalingupnutrition.org/>
- <http://www.thelancet.com/series/maternal-and-child-nutrition>
- <http://www.harvestplus.org/>
- <http://www.hki.org>

