



Food & Nutrition Security Solution: Sustainable Nutrition 4 all

The Challenge

- + An estimated two billion lives are affected by under-nutrition which leads to a deficiency of essential vitamins & nutrients; commonly known as 'Hidden Hunger'.¹
- + While signs of hidden hunger are less overtly visible its negative & often inter-generational consequences for health, productivity & mental development are nonetheless devastating to successful development.
- + Globally, the most widespread micronutrient deficiencies are of iron, zinc, vitamin A, iodine & folate, but deficiencies of B12 and other B vitamins also commonly occur.²
- + Young women & children are most likely to be affected by the consequences of under-nutrition. It contributes to 50% of deaths of under 5's in Asia & Africa, and 40% of women of reproductive age suffer from anaemia.
- + A further 25% of children under-five are stunted, resulting in impaired physical & cognitive abilities, and depriving them of the chance to reach their full potential.³

The opportunity

Agriculture plays an important role in increasing the availability & affordability of nutritious food.

However on its own agriculture cannot guarantee improved nutritional status, which is also affected by gender inequitable food allocation, socio-cultural norms, sanitation & hygiene.

Of the sixteen countries designated as alarming (Fourteen alarming, two extremely alarming) by the Global Hunger Index, SNV is active in nine.

SNV addresses under-nutrition by improving dietary diversity and promoting global access to nutritious food through innovative multi-sectoral solutions that build on SNV's experience of implementing projects in climate smart agriculture, gender, value chain development, and sanitation & hygiene.

1) IFPRI 2014 Global Hunger Index: The challenge of hidden hunger. Intl Food Policy Res Inst, 2014. <http://www.ifpri.org/sites/default/files/publications/ghi14.pdf>

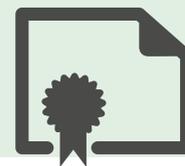
2) Muthayya S, Rah JH, Sugimoto JD, Roos FF, Kraemer K, Black RE 2013. The Global Hidden Hunger Indices and Maps: An Advocacy Tool for Action. PLoS ONE 8(6): e67860.

3) UNICEF 2013. UNICEF Data: Monitoring the situation of children and women



Sustainable Nutrition 4 All

Project evidence and recommendations inform national, regional and global policy development for improved nutrition.



Triggering demand for intra-household dietary diversity at scale

- > Build capacity of local authorities to trigger intra-household demand and steer demand triggering
- > Increase individual and household awareness of their nutritional practices and decision making
- > Identify community nutrition champions to be trained and locally situated

Behaviour change at intra-household level

- > Analyse behavioural motivators (research and gender) to identify determinants influencing choice on production, consumption, allocation and investment of resources
- > Conduct BCC campaigns to increase household knowledge, attitudes and practices of good nutrition, dietary diversity and agro-diversity
- > Include BCC in district level planning

Strengthen nutrition sensitive agricultural production

- > Nutrition education in schools
- > Establish nutrition hubs to demonstrate nutrition sensitive crops for household agro bio-diversity
- > Improve post-harvest handling and utilisation
- > Establish community seed banks and market linkages
- > Train extension officers in nutrition sensitive production, processing and utilisation
- > Empower women

National governance for intra-household dietary diversity and improved nutrition

- > Coordinate and mobilise stakeholders via innovation platforms
- > Address needs capacities and vulnerabilities of households, men and women farmers
- > Develop and set standards and targets
- > Raise awareness of gender in district nutrition teams

The Solution

Sustainable Nutrition 4 All is a scalable solution founded on the pivotal role of women in improving overall household nutrition. The solution contributes to improved nutrition outcomes through behaviour change, increased and sustainable agro-biodiversity, women's empowerment, and multi-sectoral policy development.

SN4A works simultaneously on four interrelated pillars:

- Demand creation
- Behaviour change communication
- Nutrition-sensitive agriculture for supply of a diverse range of affordable foods at local level
- Improved governance

By applying the model, we work in parallel to:

- Build and scale local capacity for triggering and maintaining demand for dietary diversity and improved nutrition.
- Induce behaviour change through targeted communication on the benefits of dietary diversity and improved nutrition, in particular but not exclusively focusing on women and children.
- Strengthen nutrition-sensitive and climate-smart agriculture production and innovation systems.
- Strengthen national capacity for dietary diversity and nutrition governance.
- Support the development of regional and global policies on nutrition-sensitive agriculture as well as strengthen partnerships with existing networks and research partners.

The Delivery

SNV's key experts in Agriculture, Food and Nutrition Security work in collaboration with SNV's strategic partners:

- International Fund for Agricultural Development (IFAD);
- International Food Policy Research Institute (IFPRI);
- Global Alliance for Improved Nutrition (GAIN);
- Amsterdam Initiative Against Malnutrition (AIM);
- Scaling-up Nutrition (SUN);
- Royal Tropical Institute (KIT);
- Wageningen University (WUR) & Research Centre for Development Innovation (CDI);
- World Vegetable Center (AVRDC);
- Common Market for Eastern & Southern Africa (COMESA);
- Commonwealth Scientific & Industrial Research Organisation (CSIRO);
- Relevant National Programmes.

Zero Hunger Challenge Targets

- 100% access to adequate food all year round
- Zero stunted children under two years old
- All food systems are sustainable
- 100% increase in smallholder productivity and income
- Zero loss or waste of food

Zero Hunger Challenge 2014
www.un.org/en/zerohunger

It is an innovative approach which draws on best practice in agriculture, WASH, gender and nutrition, proven to be scalable and sustainable in other technical areas such as improved sanitation.

SNV, together with the Royal Tropical Institute in the Netherlands, has also developed a community mapping toolkit which integrates nutrition, agriculture, gender, and water, sanitation & hygiene aspects.

The 'Nutrition and Gender-Sensitive Agriculture Toolkit' can be used by communities for situational analysis and community consultations to support the planning and design of nutrition-sensitive and gender-aware agriculture activities.

The toolkit helps to co-create solutions between community members and key stakeholders in the community.

The Impact & Outcomes

SNV's impact in Sustainable Nutrition 4 All contributes to the achievement of the Zero Hunger Challenge targets.

SNV's impact indicators include the number of:

1. People (women, men) with food security.
2. People (women, men) who have improved dietary diversity.
3. People (women, men) with increased income.
4. Farms/firms with improved productivity (quality, quantity).

Outcomes:

1. An improved understanding of gender, agriculture and nutrition linkages by all stakeholders.
2. Increased capacity of local communities, service providers and authorities to prioritise and address nutrition-related issues in their development agenda.
3. SNV aggregates and shares lessons learnt regionally and globally to inform nutrition-sensitive policy development.

Value for Money

SNV's overall value-for-money for this solution is €20 per beneficiary (based on SNV's current project portfolio).

A selection of SNV projects contributing to Sustainable Nutrition 4 All:

| Donor | Title | Country | Beneficiaries |
|---------------------------|---|--|---------------|
| Dutch Embassy | Enhancing Dairy Sector Growth in Ethiopia (EDGET) | Ethiopia | 500,000 |
| DGIS & ECOM | Access to Markets and Food Security in Coffee and Cocoa Production in Nicaragua | Nicaragua | 5,000 |
| Dutch Embassy | Kenya Market-led Horticulture Program (HortImpact) | Kenya | 75,000 |
| Dutch Embassy | Kenya Market-led Dairy Program | Kenya | 35,000 |
| EU | Integrated Food, Nutrition and Income Security Programme For Binga and Hwange Districts | Zimbabwe | 85,000 |
| SDC | Cambodian Horticulture for Accelerating Income and Nutrition (CHAIN) | Cambodia | 31,000 |
| USAID | Integrated Nutrition, Sanitation and Hygiene (NOURISH) | Cambodia | 370,000 |
| SDC | Sustainable Nutrition 4 All | Zambia, Uganda | 214,000 |
| USAID | Project for Improved Nutrition through Community Action (PANAC) | Mali | 50,000 |
| USAID | ENSURE II - Development Food Assistance Program | Zimbabwe | 140,000 |
| DGIS | Nutrition Sensitive and Gender Aware Agriculture in Asia | Cambodia, Indonesia, Laos, Nepal | 40,000 |
| Enersur (GDF Suez) | Agroemprendimientos | Peru | 400 |