



# Nutrition - Diversified Agriculture for a Balanced Nutrition in Sub-Saharan Africa

**Project profile NutriHAF-Africa: Diversifying agriculture for balanced nutrition through fruits and vegetables in multi-storey cropping systems**

<b>Country</b>	Kenya, Ethiopia, Madagascar
<b>Sponsor</b>	Federal Ministry of Food and Agriculture (BMEL)
<b>Project executing agency</b>	Federal Office for Agriculture and Food (BLE)
<b>Project budget (rounded)</b>	€1,170,000.00
<b>Project duration</b>	2015 – 2018
<b>Subject area</b>	Horticulture, nutritional physiology, agricultural economics, dietary habits
<b>Coordinator</b>	Rheinische Friedrich Wilhelms University of Bonn, Center for Development Research (ZEF)

<b>Partner</b>	<ol style="list-style-type: none"> <li>1. ZEF - Center for Development Research, University of Bonn</li> <li>2. GlobalHort – The Global Horticulture Initiative, University of Bonn</li> <li>3. KoGa – Horticulture Competence Centre, University of Bonn</li> <li>4. IZNE – International Centre for Sustainable Development at the Bonn-Rhein-Sieg University of Applied Sciences</li> <li>5. Private sector <ul style="list-style-type: none"> <li>• Obstbauconcept</li> <li>• Elmar Schmitz-Hübsch Fruit Production and Marketing enterprise</li> <li>• Krings Co. Ltd.</li> </ul> </li> <li>6. FRC – Forestry Research Center from the Ethiopia Institute of Agricultural Research (EIAR)</li> <li>7. FOFIFA – Centre National de la Recherche Appliquée au Développement Rural</li> <li>8. UoA – University of Antananarivo</li> <li>9. FANRPAN – Food, Agriculture and Natural Resources Policy Analysis Network</li> <li>10. ASARECA – Association for Strengthening Agricultural Research in Eastern and Central Africa</li> <li>11. WHH - Welthungerhilfe</li> <li>12. AVRDC – The World Vegetable Center (non-funded partner)</li> <li>13. ECFE – Environment and Coffee Forest Forum</li> <li>14. Horticulture Innovation Lab (former HortCRSP) (non-funded partner)</li> </ol>
<b>Brief description</b>	<p>The research and extension project examines suitable fruit and vegetable crops and integrates them into multi-storied production systems with a view to improving the (micro-) nutrient supply of the local population, whilst diversifying and intensifying the local agricultural production. This is also intended to reduce the pressure on</p>

protected areas or regions in biodiversity hotspots. The potential for uptake of the research findings by the local population is increased by the methodological approach of a gender-equitable, participatory and application-oriented research. In doing so, the project ensures that the interests and ideas of both male and female smallholders are being taken into account. The three-year project in Ethiopia and Madagascar comprises two research elements and one extension element that are being addressed in an inter- and transdisciplinary manner:

- i) multi-tier cropping systems with fruits and vegetables;
- ii) socio-economic aspects of these cropping systems and of those who use them;
- iii) further training and knowledge transfer in order to consolidate the application of research findings.

Partners in this project include three institutes of the University of Bonn (ZEF, Global-Hort and KoGa), IZNE of the Bonn-Rhein-Sieg University of Applied Sciences and private enterprises from the horticultural cultivation and processing sectors. Main partners in Africa include three Ethiopian and Madagascan research and development organisations respectively and two African regional organisations (FANRPAN and ASARECA). The World Vegetable Center (AVRDC) and the USAID-funded Horticulture Innovation Lab are further partners in the project.