

THE CHALLENGE

- 1.3 billion tonnes of food is lost or wasted each year at different stages of the food value chain
- High post-harvest losses lead to economic losses and **significant harm to natural resources**
- More than 2 billion people worldwide are suffering from micronutrient deficiencies
- Women of reproductive age and children of 0-59 months are particularly susceptible to the severe consequences

OUR APPROACH

- ✓ An innovative small-scale modular, decentralised postharvest food processing unit based on local materials and renewable energies
- ✓ Utilisation of high-value underutilised species for the production of innovative and diverse **nutrient-rich processed food** products with extended shelf-life
- ✓ Empowerment of women, especially those organized in groups, to prevent micronutrients deficiencies in children as well as improve the health status of pregnant and lactating women
- ✓ Trained artisans who contribute towards rollout of the system in partner countries
- Development of a mobile phone application to promote linkages between key value chain actors and support the **development of a working maintenance** and repair infrastructure



EXPECTED RESULTS

- Improve the diets among women, infants and young children in selected target regions
- Creation of **income generating opportunities** for women's groups in West Africa
- Develop innovative small-scale modular, decentralised photovoltaic driven postharvest food processing units appropriate for local conditions
- **Empowerment of women** in order to prevent micronutrient deficiencies in their communities
- Stimulation of technology rollout through capacity development among **local artisans** to **build and maintain systems**
- Training selected members of women's groups to conduct trainings on processing of underutilised species (training of trainers)





Federal Ministry

and Agriculture

of Food









Supported by:



This work is financially supported by the German Federal Ministry of Food and Agriculture (BMEL) based on the decision of the Parliament of the Federal Republic of Germany through the Federal Office for Agriculture and Food (BLE)

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