



Photo credit: WorldFish

FACT SHEET

Technologies for African Agricultural Transformation (TAAT II)

Fish Compact: Upscaling Aquaculture Technologies to Boost Value Chain



Introduction

The Technologies for African Agricultural Transformation, now in its second phase (TAAT II), is a program initiated by the African Development Bank (AfDB) as part of its Feed Africa Initiative. Main objective is to increase agricultural productivity and household incomes by expanding access to nutritious climate-resilient agricultural technologies in low-income Regional Member Countries (RMCs) across Africa by 2025. The TAAT Program operates as a network of interacting “Compacts” of ten specific commodity value chains and six others serving as “Enablers” that provide needed specialist services.

The TAAT Fish Compact is led by WorldFish in 11 countries. Challenges of African aquaculture identified by the Compact includes shortage of fingerlings supply, limited training in fish seed production, high cost of fish feed, poor fish processing and inadequate fish value addition. Other challenges are weak promotion of technologies and poor collaboration of stakeholders. These challenges reduce profitability, limit business growth, and undermine aquaculture’s potential for poverty reduction, thereby hindering its adoption as a sustainable business model.

Technologies being demonstrated and upscaled

- Fast-growing, climate-resilient, quality fish seeds and improved rearing technologies for tilapia, catfish, and *Heterobranchus-Clarias* hybrids
- Quality low-cost fish feed using locally available raw materials
- Fish processing and value addition using climate-smart technologies
- Aqua business development

Expected impacts

- Two seed roadmaps developed – in Cameroon (catfish) and Kenya (tilapia)
- WorldFish technologies mainstreamed in two national projects



80% fish farmers have access to improve fish seeds



20% increase in aquaculture production



20–30% reduction in importation of fish, improved household nutrition and new employment opportunities for youth in the aquaculture value chain



Targeted beneficiaries

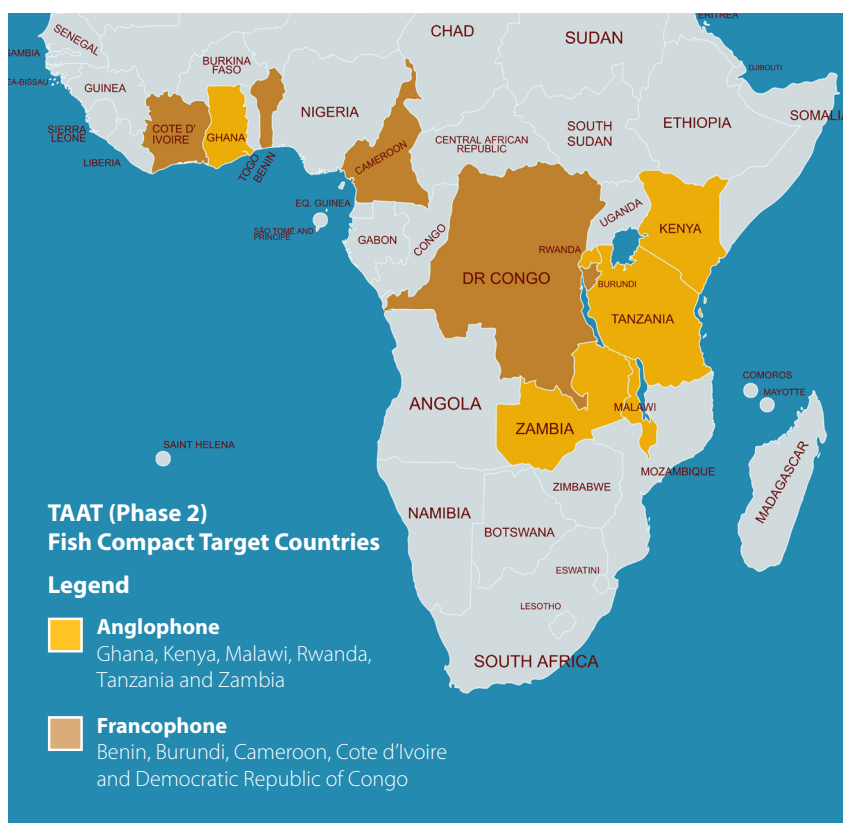
- Aquaculture value chain actors including youth and women
- Fish seed producers
- Fish feed producers/millers
- Fish farmers
- Fish processors and traders

Partners

- Government institutions and extension services
- National agricultural research institutions
- Universities
- Fish farmers associations
- Private sector
- Non-governmental organizations

Fish Compact Specific Objectives

- Build capacity of extensionists, fish breeders, farmers, feed millers, processors, youth, and women through Training of Trainers, workshops, and demonstrations.
- Promote seed production of mono-sex tilapia and fast-growing catfish hybrids using improved rearing technologies and Better Management Practices (BMPs).
- Develop low-cost fish feed from crop residues and train millers in quality feed production practices.
- Introduce climate-smart technologies for fish processing and value addition.
- Strengthen innovation and standardization through ICT-enabled extension, Innovation Platforms, Standard Operating Procedures (SOPs), and continuous technical support.
- Strengthen aqua business development and commercialization



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