Annex 3

TERMS OF REFERENCE
GIS Mapping, Digital data collection Consultant

US - Viet Nam Aquaculture Value Chain Project

Background information
The United States Department of Agriculture (USDA) has officially designated Viet Nam as one of five focal countries for the "Food for Progress" Program (2025–2030). In Viet Nam, this program will be executed through the U.S.–Viet Nam Aquaculture Project. This project offers a unique opportunity to leverage U.S. financial resources and technical expertise to improve the tilapia value chain in Viet Nam; enhance trade in high-quality soybean products for aquaculture feed, and expand tilapia trade to consumers in the U.S., the region, and Viet Nam. The USDA Vietnam Aquaculture Project is a five-year program designed to increase Vietnam's tilapia production and competitiveness across the value chain, raising productivity to a cumulative volume of 1.21M metric tons and total volume of sales of $1.25B, while facilitating imports of United States (U.S.) soy products in aquafeed, and expanding the trade of tilapia to U.S., regional, and Vietnamese consumers. It will be led by Lutheran World Relief (LWR), with support from Vietnamese partner International Collaborating Centre for Aquaculture and Fisheries Sustainability (ICAFIS) and U.S.-based American Soybean Association World Initiative for Soy in Human Health (ASA/WISHH).

Lutheran World Relief is a member of Corus International, and this organisation combines over 150 years of experience of non-profit and for-profit subsidiary organizations – IMA World Health, Lutheran World Relief, CGA Technologies, Ground Up Investing, and Farmers Market Brands. Together, the organizations take a systematic approach to grow rural economies, eliminate extreme poverty, ensure access to quality healthcare, and respond to urgent humanitarian needs in fragile settings.

The project seeks to strengthen the aquaculture sector in Vietnam by improving productivity, expanding market opportunities, and enhancing the capacity of actors across the aquaculture value chain. The project will work with aquaculture farmers, producer groups, hatcheries, input suppliers, processors, traders, financial institutions, and relevant government agencies to promote sustainable and market-oriented aquaculture development. There are six interrelated activities, the outputs and outcomes of which contribute to Food for Progress (FFPr) objectives SO1 (increased productivity) and SO2 (expanded trade). Thes is planned to be achieved by activities include developing aquafeed and seed/hatchling suppliers, developing demonstration plots, building the capacity of producer and trade associations, facilitating micro, small and medium enterprise finance, providing in-kind grants for broodstock and equipment, and facilitating buyer-seller relationships.

2. Objective of the Assignment

The objective of this assignment is to assess and document the current status, structure, and performance of the tilapia value chain in Vietnam across nine provinces in the Red River Delta and Mekong River Delta, through a comprehensive review of existing studies and field-based analysis of value chain actors, production systems, supporting services, and market linkages, in order to identify key constraints, gaps, and opportunities and provide evidence-based recommendations to strengthen sector competitiveness and expand tilapia production and exports to the United States and other markets.

3. Scope of Work

3.1. Specific requirements for the tasks of GIS mapping, digital data collection expert
The Digital data collection and GIS expert will be responsible for designing and managing the digital data collection system and produce spatial mapping of the tilapia value chain across the study provinces.

1) Conduct specialized tasks assigned by the team leader and coordinate with the other consultants in the team across three study sections in 3.1.
2) Develop and test digital survey tools using **KoboToolbox or similar platforms.** Configure survey forms for farms, hatcheries, processors, traders and service providers.
3) Develop spatial datasets and maps including hatcheries and broodstock facilities, grow-out farms, cooperatives and farmer groups, input supply points, cold chain infrastructure, training and extension facilities, processing plants and other data from field visits and surveys as required.
4) Produce maps using **QGIS** including production locations, supply chain, aquaculture production potential areas
5) Support the team leader to draft, revise and finalize the final report based on feedback from ICAFIS, LWR and DFiS and relevant stakeholders
6) Specifically, and in close collaboration with the other consultants:
   - Map hatcheries, brood-stock farms, grow out farms of private sector and government entities, with production capacities, types of fish and any constraints:
   - Map tilapia and shrimp farmer groups (including polyculture farms), cooperatives, associations, processors and buyers in each province across the two regions, along with other (shrimp and carp) cooperatives where there is the potential for farmers to integrate tilapia
   - Map sources and locations of inputs supply including but not limited to: aquafeed, fish seed, veterinary medicines, probiotics, chemicals and equipment.
   - Map cold chain facilities, locations and capacities (cold rooms, freezers, ice plants, mobile cold trucks, and others) and usage for seafood products.
   - Map demonstration sites, training and extension centers used in aquaculture.

4. Timeframe

The consultancy will be implemented between April 2026 and June 2026. The total input times for The digital data collection and GIS expert is up to 25 working days, including travels to provinces for data collection and consultation.

5. Deliverables

Report Title / Deliverables	Quantity	Timeline

I. Develop digital survey tools using **KoboToolbox or similar platforms for review by Team Leader.**	02 (Vietnamese and English)	May 1 2026
II. Produce spatial datasets and maps of value chain infrastructure, actors and services as directed by the Team Leader.	02 (Vietnamese and English)	May 30 2026

6. Consultant Qualification Requirements

- Degree in GIS, geospatial science, data science, or related field.
- Minimum 5–7 years experience in GIS and digital survey systems.
- Experience with QGIS and KoboToolbox and working in agricultural or fisheries data systems preferred
- Highly effective in working in small teams, good communication and interpersonal skills.
- Need intermediate English language skills
- Authorization to work legally in Viet Nam.

7. How to apply

Interested professionals/consulting teams must submit the application in English. To apply, please submit no more than 4 pages with your CV and responses to the selection criteria to email HVu@corusinternational.org, quoting the position title in the email's subject line by April 3 2026.