

## Impacts of Climate Change on Snakehead Fish Value Chains in the Mekong Delta:

- There are 3 popular snakehead farming systems in the Mekong Delta of Vietnam which consist of pond culture, hapa in pond, hapa in river. Snakehead pond culture is large scale, using pellet feeds and considered as prospect for development in Vietnam. Besides, small scale snakehead lined-tank system has just developed recently and suitable for small households including women to create households' income.
- Snakehead fish is consumed mainly in HCM City (67.8%). The remain percentage is sold to local consumers and processed (dried and fermented).
- There are some major factors of climate change such as drought, water temperature and saline intrusion which impact on snakehead farming.
- Vulnerability of climate change impact on value chain production such as rainfall pattern change, wind change, flooding, drought, air temperature, water temp, storms, saline intrusion. The vulnerability levels are ranked in order (1) seed producers; (2) traders; (3) famers; and (4) processors.
- Adaptation levels of snakehead value chain actors in the Mekong Delta are ranked as (1) seed producers; (2) famers; (3) traders and (4) processors.

## AquaFish Innovation Project

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### “Development of Alternatives to the Use of Livelihoods, Production and Markets”.

Investigation 1 titled “**Impacts of Climate Change on Fish Value Chains in the Lower Mekong Basin of Cambodia and Vietnam**”. This focuses on vulnerability assessment of value chain in the Mekong Delta of Vietnam.

1. Identifying current and potential impact pathways of climate change and corresponding adaptation strategies in selected fish value chain;
2. Providing evidence-based policy recommendations in order contribute to sustainable development of aquaculture in the Low Mekong river basin;
3. Vulnerability assessment of actors in value chain of snakehead; and
4. Adaptation of actors in value chain of snakehead production in Vietnam.



Seed production

Snakehead

Trader

Dried fish

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Pond culture



Lined tank



Hapa in pond



Hapa in river



Fermented fish