

## **Substituting outdated methods: Adoption of contemporary technology for Small Scale Aquaculture (SSA) in Myanmar**

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This intervention is first of its kind in Myanmar. This simple and affordable jar system is suitable for hatching of eggs of various fish species; carp, pike, perch, catfish, burbot, and sturgeon amongst others. This entire system saves space, water, and eventually reduce operation costs. The systems results will be monitored and, differences could be captured over the period of time. This will generate evidence on improved production linked to increased income for the hatchery owner, and increased availability of high quality seeds for the farmers.

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Photo credit: Syed Aman Ali ./WorldFish

U Hla Kyaw hatchery equipment

U Hla Kyaw started his aquaculture business in 1998 and dedicated 22 years of his life to the business. His persistence and hard work earned him Vice Chairman of Myanmar Fisheries Federation (MFF), Southern Shan State. Kyaw hatchery and nursery are one

of the main fish seed sources, and is amongst the four hatcheries for Shan State, Ayeyarwady, Yangon and Naypyidaw. Although U Hla Kyaw has been in the aquaculture business for more than two decades, he still follows traditional practices – however, some of them are now outdated.

To overcome this challenge and build the capacity of hatchery owners and fish producers in 2019 WorldFish launched the USAID-funded “Fish for Livelihoods” project in the central and northern Myanmar. The project will reach at least 10,000 small-scale farmers and their families through market systems-based approach interventions until 2024.

*U Hla Kyaw*

*It helps continuous water circulation and removal, easy access and the seed production rate is improved about 20% as per our record. The biggest advantage is saving man power as the method allowed the hatching eggs from the jars flow to the nursery pond directly through the pipe line and survival rate of seed is almost 100 percent.”*

by allowing water to flow through four layers of perforated galvanized sheets before the water passes to the incubation jars and brood tanks. This simple process increases the oxygen level from 3 to 8 mg per liter. The increase in oxygen levels boosts hatching rates to 80 percent.

added.

This intervention is first of its kind in Myanmar. This simple and affordable jar system is suitable for hatching of eggs of various fish species; carp, pike, perch, catfish, burbot, and sturgeon amongst others. This entire system saves space, water, and eventually reduce operation costs. Results can be monitored and differences captured over time. This helps generate evidence on how improving production is linked to increased income for hatchery owners and increases the availability of high-quality seeds for farmers. In the end, the hatchery equipment and technical assistance provided by this project helps hatchery owners become more successful even in difficult times.

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## Projects

- [Fish For Livelihoods](#)

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## CRPs, & Partners



CRP on Fish Agri-Food Systems  
- FISH CRP



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### Keywords

- [livelihoods](#)
  - [myanmar](#)
  - small-scale aquaculture
  - hatchery
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### Countries

- Myanmar
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### About the author



Syed Aman Ali is Monitoring Evaluation and Communications Specialist at WorldFish - WF.