



Webinar on IFAD-Worldfish Partnership on Aquatic Foods

Organized by:

**The International Fund for Agricultural Development (IFAD) and WorldFish
in partnership with:**

**The Central Laboratory for Aquaculture Research (Egypt); Bahir Dar
University, Ethiopia, and the Ministry of Marine Resources (MMR), Eritrea
(Advancing Climate-Smart Aquaculture Technologies (ACliSAT)**

and:

**The China-IFAD South-South and Triangular (SSTC) Facility
(Promoting Sustainable Cage Aquaculture in West Africa (ProSCAWA)**

Date: Thursday 15th December 2022

Time: 14:00 – 15:30 Rome time

Zoom link:

https://us06web.zoom.us/webinar/register/WN_P3MGIEtWTmm1pV7V54g6rQ



Introduction:

The rapid increase in population across the globe has resulted in intense pressure on food sources, especially for protein, to feed the growing numbers of hungry women, men and children. Aquatic foods are a cornerstone of local and global food systems, accounting for up to 17 per cent of the intake of animal proteins, and contributing significantly to the livelihoods and nutrition of millions of people, notably those that are at highest risk of being left behind. Aquaculture accounts for about 50% of aquatic foods produced, growing at a faster rate than most animal food sources, and plays an important role in addressing poverty and nutrition for many rural communities, especially during and in the aftermath of the COVID-19 pandemic and other global challenges.

However, in recent decades, climate change has significantly reduced the production and harvesting of fish and related products in many countries; especially those in sub-Saharan Africa, with a corresponding increase in household malnutrition and economic instability for the sector. To this end, research has been undertaken by a number of development partners to introduce climate-smart initiatives in aquaculture. This is an approach that aims to increase the resilience of aquatic food systems incorporating environmental sustainability and creating a better future for communities engaged in the sector. With only a few years left for the achievement of the Sustainable Development Goals by 2030, it is important to support the growth of aquaculture systems and markets in Africa; many of which are sustained by small-scale fisherfolk; and to speed up actions that will promote inclusive and sustainable food systems transformation.

IFAD and WorldFish have forged a fruitful partnership in aquaculture to build resilience of rural smallholder communities, create employment opportunities and increase nutritional impacts. This webinar will discuss the experiences, results and good practices from two ongoing initiatives of IFAD and WorldFish Advancing Climate-Smart Aquaculture Technologies (ACliSAT) funded under IFAD's regular grants programme and Promoting Sustainable Cage Aquaculture in West Africa (ProSCAWA funded under the China-IFAD South-South and Triangular (SSTC) Facility. The two programmes involve other partners who will also participate in the webinar, including; Central Laboratory for Aquaculture Research (CLAR) - Egypt, Bahr Dar University - Ethiopia, and Ministry of Marine Resources (MMR) – Eritrea; PProSCAWA Fish Hub (Ghana) and Orisha Farms (Nigeria).

IFAD is an international financial institution and specialized United Nations agency based in Rome, the UN's food and agriculture hub. Since 1978, we have provided US\$23.2 billion in grants and low-interest loans to projects that have reached an estimated 518 million people.

IFAD invest in rural people, empowering them to increase their food security, improve the nutrition of their families and increase their incomes. We help them build resilience, expand their businesses and take charge of their own development. Aquaculture is one of IFAD area co-work as are for food security and sustainable development

[WorldFish](#) is a nonprofit research and innovation institution that creates advances and translates scientific research on aquatic food systems into scalable solutions with transformational impact on human well-being and the environment. We envision an inclusive world of healthy, well-nourished people and a sustainable blue planet, now and in the future. For over 45 years, our work on sustainable aquaculture and fisheries has improved the lives of millions of women, men and youth. WorldFish is part of [CGIAR](#), the world's largest agricultural innovation network, whose mission is to "end hunger by 2030 through science to transform food, land and water systems under threat of climate change."

Objectives of the Webinar

Organized by IFAD and WorldFish to share knowledge in climate-smart aquaculture development and management, the webinar has the overall objective of showcasing relevant interventions carried out by the two development agencies in collaboration with research institutions, government and the private sector. Speakers will focus on In Pond Raceway System (IPRS), Integrated Aquaculture Agriculture (IAA) and cage farming, demonstrating how climate-smart aquaculture can provide solutions to food security and reduce poverty at a time of climate change.

These interventions will be highlighted:

The ACliSAT project promotes climate resilient cultivation of Nile Tilapia in different water and environmental conditions in three countries – Egypt, Eritrea and Ethiopia. Research by WorldFish in fish farming systems including IAA and IPRS have increased production, promoted the efficient use of natural resources and nutrients and the recycling of waste from pond water and food crops for fish food. The technologies are easy to scale-up and adapt to different contexts and local conditions depending on resource availability. These technologies will help to expand the growth of aquaculture, create employment opportunities for women, men and youth in remote rural communities; and improve rural livelihoods.

The ProSCAWA project, funded by the China-IFAD SSTC Facility and implemented through WorldFish and local private sector collaborators, is working with small-scale farmers in Ghana and Nigeria to establish fish farms through cage aquaculture. This is a method of fish farming where the fish is raised inside mesh enclosures in natural water bodies. Cage aquaculture removes multiple entry barriers that would otherwise limit fish farming; where prospective farmers can use publicly available waterbodies. Compared to both terrestrial agriculture and other forms of aquaculture, cage aquaculture has a lower environmental impact. It eliminates the need for water-circulation pumps and is therefore less energy and capital intensive, making a viable option for economically challenged communities.

Key outcomes: (provide two or three key outcomes)

1. Knowledge shared on climate resilient nutrition sensitive and income generating aquaculture
2. Strengthen partnership for food security and economic development
3. Multi stakeholder partnership as an approach for sustainable development

Target audience:

IFAD projects, National Research Centers, private sector actors and academia with specific focus on African developing countries.

Panelists (or would you prefer Speakers?):

Richard Abila, PhD; Senior Global Technical Specialist – Fisheries & Aquaculture, IFAD (moderator)

Ahmed Nasr-Allah PhD; Country Director, WorldFish Egypt.

Minwyelet Mingist, PhD; Bahir Dar University, Ethiopia
 Adonay Heruy, Mr. Ministry of Marine Resource, Eritrea
 Ama Brandford-Arthur, Senior Partnership Officer, IFAD
 Yaw Vandyke, Managing Director, ProSCAWA Fish Hub, Ghana
 Daniel Chukwuma, Chief Farmer, Orisha Farms Nigeria

Agenda:

Time Rome Time	Agenda Item	By
14.00 - 14.10	Welcome remarks	Dr. Richard Abila
14.10 - 14.20	In-Pond Raceway System	Dr. Ahmed Nasr-Allah
14.20 – 14.30	Integrated Aquaculture-Agriculture in Ethiopia	Dr. Minwyelet Mingist
14:30 – 14:35	ACLISAT context in Eritrea	Mr. Adonay
14.35 – 14.45	Introduction to ProSCAWA	Ms. Ama Brandford-Arthur
14.45 – 14.55	ProSCAWA and Cage Farming in Ghana – challenges and opportunities	Mr. Yaw Vandyke
14.55 – 15.05	Cage Farming in Nigeria – challenges and opportunities	Mr. Daniel Chukwuma
15.05 – 15.25	Q&A	Dr. Richard Abila
15.25 – 15.30	Closing remarks	Ms. Ama Brandford-Arthur



Picture of an Integrated Aquaculture Agriculture farm (L) and fish feeding in In Pond Raceway Farm (R).



Picture of cage farms (L) and fish harvest from cage farming (R)

Speakers:

Richard Abila, PhD; Senior Global Technical Specialist – Fisheries & Aquaculture, IFAD.



Richard is the Senior Global Technical Specialist for Fisheries and Aquaculture with the International Fund for Agricultural Development – IFAD. Richard holds a doctorate degree in Fisheries Management from Hull University in the UK and post-graduate training in aquaculture. He has over 30 years uninterrupted career spanning fisheries and aquaculture research, management and development. Currently he is responsible for technical aspects of IFAD’s global portfolio of loan and grant programmes relating to fisheries, aquaculture and the Blue Economy. He has vast experience with small-scale fisheries and aquaculture systems, working with national, regional and international projects and programmes; involving governments, non-governmental institutions, the private sector and fisheries communities in different continents and cultures. He has over 30 publications in refereed journals and peer reviewed articles and books.

Ahmed Nasr-Allah, PhD; Country Director, WorldFish, Egypt.



chapters).

Ahmed has over 30 years’ professional experience in Aquaculture. He is leading the implementation of the Advanced Climate Smart Aquaculture (ACLiSAT) in Egypt, Ethiopia and Eritrea, which is funded by IFAD. He has experience as co-project leader for several projects such as the Sustainable Transformation of Egyptian Aquaculture to Market Systems (STREAMS), Youth Employment in Aswan Governorate (YEAG) both funded by the Swiss Development Corporation (SDC). Ahmed holds an M.Sc. in Aquaculture Management and Planning (University of Hull, UK in 1997) and a Ph.D. in Aquaculture (Egypt) 2010. Ahmed’s publications record exceed 60 articles (per reviewed papers, conference papers, and technical reports and book

Minwelet Mingist, PhD; Bahir Dar University, Ethiopia.



Minwelet holds an M.Sc. in Fisheries Sciences in 2004 from Hokkaido University, Japan and he got his PhD in Fisheries Sciences in 2007 from the same University. Minwelet has more than 18 years of experience in Fisheries and Fisheries Management. Minwelet served at the Ministry of Agriculture and Ethiopian Agriculture Research Organization (Ethiopia) as an expert and a researcher. Since 2007, he has been serving Bahir Dar University, Ethiopia at various capacities. Minwelet has published a number of journal articles in peer-reviewed journals, conference paper and technical reports and book chapters.

Adonay Heruy Mehsun, Ministry of Marine Resources, Eritrea



Adonay is one of key leader in ACLiSAT project. He works in Projects & Commissions Coordination Office. Ministry of Marine Resources, Massawa, Eritrea. Adonay is fisheries biologist and has extended experience for more than 25 years in fisheries and aquaculture.

Ama Brandford-Arthur, Senior Partnership Officer, IFAD



Ama Brandford-Arthur has been working with IFAD since 2004, and she is currently a senior partnership officer in the Global Engagement, Partnerships and Resource Mobilization Division. She is responsible for coordinating the implementation of IFAD's corporate agenda and engagement in South-South and Triangular Cooperation (SSTC). Working across IFAD Brandford-Arthur supports the identification of SSTC opportunities in existing and upcoming IFAD interventions and the establishment of SSTC partnerships with Member States, development partners and the private sector. Brandford-Arthur also supports IFAD's partnership and resource mobilization process with specific responsibilities for Brazil and South Africa.

Educated in Ghana and the United Kingdom, Brandford-Arthur holds a Master's in Human Resource Management and postgraduate certificates in Public and Business Administration.

Yaw Vandyke, Managing Director, ProSCAWA Fish Hub, Ghana



Yaw Vandyke is founder and Manager of ProSCAWA Fish Hub Gh., the Ghanaian private sector collaborator on the ProSCAWA project. He is an accomplished executive with over 25 years of experience in technology, media, financial services and agriculture.

Mr Vandyke began his career with JP Morgan Chase Co in Houston, Texas, and worked there for 17 years in various Application Management and Internet Marketing roles. He retired from the

corporate world to start a shea butter marketing business, building a hugely successful brand, Shea Essence, whose products were sourced solely from the rural communities in the Savannah regions of

West Africa. His experiences in these communities and his desire to see improvements in their lives formed the beginnings of his journey to what is now ProSCAWA Fish Hub.

Yaw earned a Computer Science degree from Southern Methodist University in Texas, and has received various certificates in Marketing, Computing and Management from different Universities and Colleges in Ghana and the United States.

Daniel, Chief Farmer, Orisha Farms, Nigeria



Chukwuma Daniel is the Head Farmer of Orisha Farms Nigeria; a youth driven farm organization in Lagos Nigeria. Orisha Farms is driven a core belief that youths and women participation in the Nigerian agricultural sector is key to more food production, tackling unemployment and food insecurity in Nigeria, and also ensuring access to healthy nutritious food in Nigeria; especially for poor rural underdeveloped communities in Nigeria.

Orisha Farms Nigeria is the private sector collaborator in the IFAD-SSTC sponsored PROSCAWA project in conjunction with Worlfish; the ProSCAWA project is an initiative that promotes sustainable large scale fish production through cage culture aquaculture, ensuring access to nutritious fish and increased income and employment in the local Afowo community in Nigeria.