



Implemented by:



Ministry of Agriculture of the Republic of Uzbekistan



Ministry of Ecology, Environmental Protection and Climate Change of the Republic of Uzbekistan



International Artemia Aquaculture Consortium



Network of Aquaculture Centres in Asia-Pacific

Sustainable brine shrimp Artemia cultivation A New business opportunity for the Aral Sea Region

Background

Although the drying up of the Aral Sea and the salinization of a lot of agricultural lands in different regions in Uzbekistan (UZB) and Kazakhstan (KAZ) have major negative consequences, there is a high potential to develop a new profitable industry and create new job opportunities in this region: the environmental-friendly and sustainable pond farming of brine shrimp Artemia, a well-known source of food in the farming of fish and crustacean species around the world.

The regional project ECO ARAL (Ecologically oriented development of the Aral Sea Region) financed by the German Federal Ministry for Economic Cooperation and Development (BMZ) and implemented by GIZ has initiated a pilot project in Karakalpakstan to showcase the feasibility of a sustainable Artemia cultivation in environmentally friendly earth ponds. The Artemia project is implemented in cooperation with the International Innovation Center for the Aral Sea Region in Nukus under the Ministry of the Ecology, Environmental Protection and Climate Change of the Republic of Uzbekistan, the Academy of Science in Nukus, Ghent University (Belgium) and Can Tho University (Vietnam).

This workshop aims to show the outcomes of the implemented Artemia pilot project, present guidelines and recommendations important for such a new business sector, lessons learned and discuss prospects of Artemia production to further develop aquaculture sector in Uzbekistan and Kazakhstan.

Agenda

Date	February 17, 2025
Place	Courtyard by Marriot, Tashkent
Language	Russian/English with simultaneous translation
Moderator	Dr. Vadim Sokolov, Director of IFAS Uzbekistan
09:00 – 09:30	Registration and Coffee

09:30 - 10:00	Official Welcome <ul style="list-style-type: none"> ➤ Alisher Shukurov, Deputy Minister of Agriculture (tbc) ➤ Representative of the Ministry of Ecology, Environmental Protection and Climate Change (tbc) ➤ Representative of Fisheries Committee of the Ministry of Agriculture of the Republic of Kazakhstan (tbc) ➤ Dr. Michael Wimmer, Deputy Head of Mission, Head of Cooperation, German Embassy (tbc) ➤ Dr. Bakhitjan Khabibullaev, Director of the International Innovation Center for the Aral Sea Region
10:00 – 10:30	Introduction to sustainable pond farming of brine shrimp Artemia by Prof. Patrick Sorgeloos (Ghent University, Belgium)
10:30 - 11:00	Results of the Artemia pilot project in Karakalpakstan by Ablatdiyn Musaev (Academy of Science) and Djemuratov Davletiyar (local Artemia expert)
11:00 - 11:30	Coffee break (and Group photo)
11:30 – 12:00	Climate risk analysis of Artemia value chain by Dr. Bakhtiyor Pulatov (Research Institute of Environment and Nature Conservation Technologies under the Ministry of Ecology, Environmental Protection and Climate Change of Republic of Uzbekistan)
12:00 - 13:00	Experience from other countries <ul style="list-style-type: none"> • Bangladesh - EU project “Artemia4Bangladesh” 2020-2024 by Dr. Meezanur Rahman (WorldFish, Dhaka) • Thailand – Artemia farming industry in Thailand by Mr. Simon Wilkinson (Secretary of FAO recognized International Artemia Aquaculture Consortium, Network of Aquaculture Centres in Asia Pacific, Bangkok) • Vietnam – Commercial Artemia farming in Vietnam by Prof. Nguyen Van Hoa (Can Tho University) • Kazakhstan – Potential for Artemia farming in Kazakhstan by Kazakhstan Association for Research, Extraction and Processing of Artemia cysts, Astana (tbc)
13:00 - 14:00	Lunch break
14:00 – 15:30	Discussion based on the following guiding questions <ul style="list-style-type: none"> • Political framework for Artemia cultivation <ul style="list-style-type: none"> ○ How does an ideal (political) framework could look like for establishing a flourishing Artemia business sector? • Artemia value chain <ul style="list-style-type: none"> ○ How can you add value in the Artemia supply chain?
15:30 – 16:00	Closure and Networking