

ICAR-CIFA and WorldFish, Malaysia organized a workshop on ‘Life Cycle Analysis (LCA) during 20-22 January, 2019 at Kausalyaganga, Bhubaneswar

A workshop on ‘Life Cycle Analysis’ was held at ICAR-CIFA to discuss its possible use in evaluating the major freshwater Fish Production System in India. Dr. Patrik Henrickson, from the Beijer Institute of Ecological Economics and Stockholm Resilience Centre and an expert on LCA was the resource person in the workshop. Ten Scientists from ICAR-CIFA and the project team of WorldFish Odisha project participated in the workshop. This workshop was the result of an ongoing collaboration between ICAR-CIFA and WorldFish under the flagship ‘Sustainable Aquaculture’. One of the theme areas of collaboration between CIFA and WorldFish is Life Cycle Analysis of major freshwater fish production system in India.

In the first session, Dr. Henrickson gave a presentation on ‘Introduction to concept of LCA and experience of WorldFish on LCA studies in several countries’. He discussed about the genesis of LCA tool and the methodologies used in different countries. He shared his experience of working on the fish production system on Indonesia, China, Bangladesh and some European countries in different species and production system. ‘LCA framework and methodology: goal and scope, functional unit of the freshwater fish production system’ was the theme in the second session. Subsequently detailed discussions were held on the feasibility of such study in the Indian freshwater aquaculture production system and the various modifications that may be required in the methodology in the Indian context. On the second day, the two major themes of discussion included ‘Life cycle inventory analysis: defining system boundaries, methods of data collection and validation’ and ‘Use of LCA software for data analysis, impact assessment and interpretation of result’. The afternoon session was devoted for planning of the LCA studies in India, finalization of the work programme. Further, the questionnaire meant for LCA data collection was discussed in light of the Indian farming situation.

