In the context of the Project, the following activities were implemented:

i) Elaboration of Baseline studies and environmental parameters' data review and monitoring in the CB area of Greece and Albania

ii) Application of a Life Cycle Assessment in aquaculture and production of final technical report on LCA Application

iii) Design and creation of an environmental footprint calculator that includes the process of calculating the life cycle at farming stage in marine aquaculture farms

iv) Implementation of summer schools – seminars and visits in fish farms for stakeholders and in Greek and Albanian CB area

v) Development of prototype scenario of LCA Action plan, regarding the calculation of the environmental footprint, on the basis of hypothetical differentiation scenarios of selected parameters

vi) Elaboration of Blue paper with good practices' guidelines for environmentally friendly aquacultures with quality characteristics.

Interreg - IPA CBC
Greece - Albania
ECO-FISH

ECO-FISH

Ecological footprint in cross-border marine fish farming in Sagiada (Greece) and southern Albania (ECO-FISH)

The programme is co-funded by the European Union and by Nacional Funds of Greece & Albania

Interreg - IPA CBC
Greece - Albania
ECO-FISH

The ECO-FISH Project is implemented under the "Interreg IPA II Cross-Border Cooperation Programme Greece – Albania 2014 – 2020" and is co-funded by the European Union and by National Funds of Greece and Albania

The ECO-FISH results

- Contribution towards decreasing the marine aquaculture systems' environmental footprint in the Greek and Albanian CB maritime area of the Ionian sea,
- Encouraging the sustainable use of natural resources and production methods
- Environmental identity improvement of products that reach the consumers
- Raising awareness regarding food production environmental matters
- Supporting & promoting cooperation among stakeholders in both countries (scientific – business actors, authorities) towards developing policies on environmental protection and sustainable development, especially regarding aquaculture
- Facilitating compliance with legislation (veterinary & environmental)
- Enhancement of SMEs' sustainable actions.

FURTHER RESULTS:

- Increasing awareness on preserving natural resources and local economies' competitiveness
- eveloping common cross-border strategies/policies regarding environmental protection and sustainable use of natural resources
- Developing stronger collaborations at local/ CB/ transnational level
- Reinforcing collaboration about innovation and relationships at local/ CB/ transnational level with regards to aquaculture
- Supporting possible cooperation of relevant scientific research and pilot EU projects in the future

The LCA method

The "Life Cycle Assessment (LCA)" method was applied in selected marine fish farms in Greece and Albania in order to evaluate/ assess environmental burdens by identifying and quantifying energy and materials used in fish farms' production and wastes released to the environment, to assess the impact of energy-intensive activities and materials used and to identify and evaluate opportunities to achieve environmental improvements in aquaculture.

It constitutes an important method towards eco-certification of final products (fish), in order to offer aquaculture fish with reduced environmental footprint to the consumers.