



ICAR ACCESS

Name of the Institution / Company TAXON ESTUDIOS AMBIENTALES, S.L.
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Title: Effect of different foods on biochemical composition of ABFT
ACRONYM: FEEDTUNA
Summary Target of this proposal is to know how feeding affects biochemical composition of Atlantic Bluefin tuna. Project is splitted in two step proposals in order to achieve a full understanding of the process: first step (Feedtuna) is to test the effects of different feeding regimen on the growth, survival and biochemical composition of ABFT fingerlings (YOTYS, young of the year tunas) and it will be developed in ICAR. A second step will be developed with captured ABFT adult (more than 150 kgr) kept in cages, which is directly influencing the quality of commercialized tunas and it will be developed in cages offshore belonging to Fuente's Group. In Feedtuna, 120 fingerlings will be shared in four cages and fed with different foods: dry food and three different baits (cephalopod, blue and white fish) for 4 weeks. In order to compare results, ingestion rate, feeding conversion, growth rate and survival rate of every batch will be calculated. A sample of muscle (red and white muscle) and liver will be obtained in order to determine biochemical composition of every group, focusing in fat content, lipid class and fatty acids.