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<p>Name of the Institution / Company: Murcia Oceanographic Center, Spanish Institute of Oceanography (IEO, CSIC)</p>
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<p>Descriptive title: New species aquaculture of high economic value and rapid growth: bluefin tuna</p>
<p>ACRONYM: NEWSPEC</p>
<p>Summary</p> <p>Bluefin tuna (<i>Thunnus thynnus</i>) is a migratory fish of high commercial value that can weigh more than 600 kg and has been farmed at the IEO since 2002. As a result of the studies carried out (European projects REPRODOTT, SELFDOTT and projects of the national ATAME, NUTRITUNA and PARACIEN) it has been possible to obtain spawning events in captivity in floating cages establishing the base for its larval culture and fattening.</p> <p>But there are still aspects to solve or improve. This project focuses on two:</p> <ol style="list-style-type: none">1. The maintenance of broodstock and obtaining spawning events in captivity in tanks that allow control and manipulation of the reproductive cycle of tuna, as well as spawning events regardless of sea conditions or the presence of accompanying species that carry out spawning. At the same time, it constitutes one of the main aspects in need of study.2. Improve larval culture conditions, especially nutrition, and delve into the knowledge of the physiology of bluefin tuna larvae and fingerlings, as well as carry out a study on existing malformations in cultured fingerlings in order to achieve more robust juveniles with better growth and lower mortality.