

Work package number	7	Start date (month)						3
Activity Type	RTD / Innovation Activities							
Participant Id	IfM- GEOMAR	CABAL S.A.	CDF	CRODT	IMARPE	MCM DEAT	PSU	UNIABDN
Person-months per participant:	32	16	18	18	16	12	16	5
<p>Objectives:</p> <p>The “Sustainability Indicators” workpackage will overcome overfishing by identifying, testing and implementing simple indicators for sustainable fisheries management for direct use by fishers, fish traders, consumers, managers, and media.</p> <ol style="list-style-type: none"> 1. Identify suitable indicators 2. Establish biological parameters needed for indicators for all relevant species 3. With stakeholders and public, test management by indicators 4. Analyze progress and problems 								
<p>Description of work:</p> <p>There is a need for specific targeted research to identify and operationalize methodologies which rely on low cost observations reflecting resource system features which can be recognised and accepted by all stakeholders. Here we focus on indicators at the species level, such as resilience to exploitation or natural disturbances. We are especially interested in simple indicators that allow participation of all stakeholders including the public in management of stocks. For example, one can imagine a publicly enforced management regime that discourages the capture of juvenile, undersized fish (common cause of recruitment and growth overfishing). Posters showing commercial species at their size of first maturity will enable citizens to make informed decision when buying unprocessed fish. The task of this workpackage thus is to identify, apply, and evaluate the use of indicators that have the potential to end overfishing.</p>								
<p>Deliverables:</p> <p>All WP participants will contribute to all deliverables.</p> <p>D7.1 Review of existing indicators and selection of suitable, simple indicators (report, month 7);</p> <p>D7.2 Availability of biological parameters needed for application of indicators (database, month 13);</p> <p>D7.3 Internet-based software (Wizard) assisting in the application of indicators (step-by-step web tool, month 19);</p> <p>D7.4 Testing of indicators with real-world fisheries and stakeholders, interactions with WPs, final report (report, month 34).</p> <p>D7.5 At least five scientific publications related to this WP to be published or submitted by WP members before the end of the project (month 34)</p>								
<p>Milestones¹ and expected result:</p> <ul style="list-style-type: none"> - First workshop to select indicators and distribute tasks such as compilation of required data and development of suitable tools (first phase); (WP members plus representatives of WP 4, 8, 9; month 5); - Second workshop to review progress, make necessary adjustments, and coordinate testing of indicators during second phase (WP members; month 20). 								

¹ Milestones are control points at which decisions are needed; for example concerning which of several technologies will be adopted as the basis for the next phase of the project.