

## CEMP Appendix BB2: Cetacean abundance and distribution (M4)



Information collection development  
need



Assessment criteria development  
need



Quality Assurance tools  
development need

<b>Cetacean abundance and distribution*</b> (Common indicator M-4)			
<b>Monitoring Purpose</b>	State	<b>Applicable MSFD GES Criteria</b>	1.1 species distribution 1.2 population size
<b>Monitoring Guidelines / Monitoring Method in place</b>	SCANS II protocols for aerial and ship-board surveys ( <a href="http://biology.st-andrews.ac.uk/scans2/">http://biology.st-andrews.ac.uk/scans2/</a> ), photo-ID for coastal bottlenose dolphins	<b>Assessment Guidelines</b>	Technical specification – eventually JAMP Guideline
<b>Quality Assurance Procedures in place</b>	Inherent in methodology and guidelines	<b>Assessment tools available</b>	None
<b>Quality Control</b>	Real and delayed validation	<b>Data Custodian</b>	TBC
<b>Element Monitored</b>	<i>Biological feature: marine mammals</i>	<b>Database</b>	TBC
<b>Parameter Measured</b>	Population size (abundance); Species distributional range/pattern	<b>Indicator Metric</b>	Abundance (as a time series) per Assessment Unit Presence/absence (as a time series) in subareas within the range
<b>Temporal scope</b>	Start date: 1994 (but depends on the species and population) End date: yyyy (9999 if ongoing) Monitoring frequency: 1 to 6-yearly	<b>Data submission Frequency/ deadline and link to reporting format</b>	6-yearly Deadline TBC TBC

<b>Spatial Scope</b>	WFD coastal waters, Territorial waters, EEZ (or similar), Continental Shelf (beyond EEZ), depending on the species and population				
<b>Nature of Data</b>	Data products		<b>Aggregation of Data</b>	Region	
<b>OSPAR Region</b>	<b>I</b>	<b>II</b>	<b>III</b>	<b>IV</b>	<b>V</b>
<b>Contracting Parties monitoring</b>		DE, DK, FR, NL, NO, SE, UK	FR, IE, UK	ES, FR, PT	
<b>Contracting parties supplying data</b>		DE, DK, FR, NL, NO, SE, UK	UK, FR	ES, FR, PT	
<b>Spatial Resolution (proportion)</b>		1% to 50% and extra-polation, depending on the species and population	1% to 50% and extra-polation, depending on the species and population	1% to 50% and extra-polation, depending on the species and population	
<b>Spatial Resolution (Density)</b>		1/6 yrs	1/6 yrs	1/6 yrs	
<b>Contracting Parties with an “opt out”</b>					