

CEMP Appendix BB4: Marine bird abundance (B1)



Quality Assurance tools
development need

Marine bird abundance* (Common indicator B-1)			
Monitoring Purpose	State	Applicable MSFD GES Criteria	1.2 Population size
Monitoring Guidelines / Monitoring Method in place	For colonies and other breeding sites: Walsh et. al. (1995); For migrant non-breeding birds counted on land – see UK Wetland Birds Survey (WeBS) methods - http://www.bto.org/volunteer-surveys/webs/taking-part/core-counts-methods For at-sea aerial and boat-based line transect surveys (Camphuysen et al. 2004) http://jncc.defra.gov.uk/pdf/Camphuysenetal2004_COWRIEmethods.PDF .	Assessment Guidelines	CEMP Guidelines (Agreement Number: 2016/xx)
Quality Assurance Procedures in place	National, other	Assessment tools available	JNCC (UK) Seabird Trend Wizard and /or EMECO – from 2016
Quality Control	Other QC – automatic checker in data tool	Data Custodian	ICES Data Centre from 2016
Element Monitored	<i>Biological feature: seabird</i>	Database	OSPAR Seabird Database from 2016
Parameter Measured	Species population size: Population size (abundance)	Indicator Metric	Relative abundance: annual abundance as a percentage of the baseline

Temporal scope	Start date: 1991 End date: 9999 Monitoring frequency: annually		Data submission Frequency/ deadline and link to reporting format	Annually TBC Agreed reporting format in place (add link)	
Spatial Scope	CP Terrestrial/FW, WFD transitional waters, WFD coastal waters, Territorial waters, EEZ (or similar),	Monitoring to be conducted on site by site basis but needs to be representative of each sub-region and sub-division therein throughout the North East Atlantic.			
Nature of Data	Processed Data and Data Products		Aggregation of Data	Subregion and subdivisions	
	I	II	III	IV	V
Contracting Parties monitoring	NO, IS	BE, DE, DK, FR, NL, NO, SE, UK	FR , IE, UK	ES , FR	
Contracting parties supplying data	NO	BE, DE, DK, FR, NL, NO, SE, UK	FR , IE, ¹⁵ UK	FR,	
Spatial Resolution (proportion)					
Spatial Resolution (Density)					
Contracting Parties with an “opt out”					

¹⁵ Up to 2014