

S1 Appendix. Details of surveys used in the analyses. Total effort represents the total length of transects of each survey (without removing the transects with a Beaufort sea-state > 4). NE-ATL: Northeast Atlantic Ocean; NW-ATL: Northwest Atlantic Ocean.

Survey names (Fig. 1)	Organisation	Platform type	Surveyed years	Surveyed regions and sectors	Total effort (km)	References
AMBAR	AMBAR	Ship	2004-2005	South east of the Bay of Biscay; NE-ATL	5,073	Vázquez et al., 2003; 2004 ; 2005
ATLANCET	PELAGIS	Plane	2002	Bay of Biscay; NE-ATL	3,815	Certain et al., 2008
BMMRO	BMMRO	Ship	2000-2005	Bahamas; TROPICS	3,685	Shick et al., 2011
CODA	SMRU	Ship	2007	Northeast Atlantic; NE-ATL	9,645	Rogan et al., 2017
JNCC-ESAS	Joint Nature Conservation Committee - European Seabirds at Sea data providers	Ship	1998-2000, 2002, 2005, 2008-2010	Northeast Atlantic; NE-ATL	292,363	Reid et al., 2003
INDEMARES	CEMMA	Ship	2009-2011	West of the Spanish coasts; NE-ATL	6,488	López & Martínez-Cedeira, 2012
JUVENA	AZTI	Ship	2012-2015	Bay of Biscay; NE-ATL	8,862	Boyra et al., 2013
NEFSC	NEFSC	Plane and ship	1998-1999, 2010-2014	Continental shelf of the USA; NW-ATL	556,963	Roberts et al., 2016
PELACUS	Instituto Español de Oceanografía (IEO)	Ship	2007-2012	North and NW Spanish shelf waters; NE-ATL	9,585	Santos et al., 2013
PELGAS	PELAGIS	Ship	2007-2013	Bay of Biscay; NE-ATL	34,997	Certain et al., 2008
REMMOA	PELAGIS	Plane	2008	French West Indies and Guyana; TROPICS	15,356	Ridou et al., 2010; Mannocci et al., 2013

SAMM	PELAGIS	Plane	2011-2012	Bay of Biscay, English Channel and western Mediterranean Sea; NE-ATL and MED	98,799	Laran et al., 2017; Lambert et al., 2017
SCANS II	SMRU	Ship	2005	Northeast Atlantic; NE-ATL	19,827	Rogan et al., 2017
THUNNUS	CEMMA	Ship	2007-2010	Bay of Biscay; NE-ATL	11,693	Martínez-Cedeira & López, 2010

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