

# Report on the main results of the surveillance under article 11 for annex II, IV and V species (Annex B)

0.1 Member State	IT
0.2.1 Species code	2029
0.2.2 Species name	<b>Globicephala melas</b>
0.2.3 Alternative species scientific name	N/A
0.2.4 Common name	Globicefalo

## 1. National Level

### 1.1 Maps

1.1.1 Distribution Map	Yes
1.1.1a Sensitive species	No
1.1.2 Method used - map	Estimate based on partial data with some extrapolation and/or modelling (2)
1.1.3 Year or period	2010-2011
1.1.4 Additional map	No
1.1.5 Range map	Yes

## 2. Biogeographical Or Marine Level

### 2.1 Biogeographical Region

### 2.2 Published sources

#### Marine Mediterranean (MMED)

The present species assessment (fields 0.1-2.9) has been compiled by Anna Alonzi, Piero Genovesi, Francesca Ronchi (ISPRA). Information and data have been extracted from MSFD Supporting document on the Initial Assessment on Cetaceans, including methodology, data used and results (ISPRA,2013).  
Contributing authors: Caterina Fortuna, Mario Acquarone, Aldo Annunziatellis, Antonella Arcangeli, Arianna Azzellino, Nicola Baccetti, Michela Bellingeri, Silvia Bonizzoni, Junio Fabrizio Borsani, Ilaria Caliani, Simonepietro Canese, Roberta Canneri, Nadia Cerioli, Andrea De Lucia, Salvatore Dimatteo, Carmelo Fanizza, Elio Filidei jr., Maria Cristina Fossi, Fulvio Garibaldi, Stefania Gaspari, Otello Giovanardi, Michela Giusti, Guido Gnone, Paolo Guidetti, Drasko Holcer, Giancarlo Lauriano, Letizia Marsili, Antonio Mazzola, Giulia Mo, Aurelie Moulins, Barbara Mussi, Giuseppe Notarbartolo di Sciarra, Lidia Orsi Relini, Daniela Silvia Pace, Simone Panigada, Gianni Pavan, Michela Podestà, Marina Pulcini, Sasa Raicevich, Ettore Randi, Teresa Romeo, Massimiliano Rosso, Antonello Sala, Paola Tepsich, Walter Zimmer e Nicola Zizzo. Expert judgements have been provided by Caterina Fortuna (ISPRA).

A.A.V.V. 2007. Workshop d'inquadramento del fenomeno delle interazioni tra cetacei e attività di pesca in Italia. Roma, 10-11 settembre 2007, Ministero delle politiche agricole, alimentari e forestali, Roma. Progetto «Programma Bycatch Italia-ACCOBAMS» (codice 6G23), finanziato dalla Direzione Generale per la Pesca marittima e Acquacoltura, MiPAAF.

Azzellino, A., Airoidi, S., Gaspari, S., Nani, B., 2008. Habitat use of cetaceans along the continental slope and Adjacent waters in the western Ligurian Sea. Deep Sea Res. 55, 296-323.

Azzellino, A., Lanfredi, C., D'Amico, A., Pavan, G., Podestà, M., Haun, J., 2011. Risk mapping for sensitive species to underwater anthropogenic sound emissions: model development and validation in two Mediterranean areas. Mar. Pollut. Bull. 63, 56-70.

Azzellino, A., Panigada, S., Lanfredi, C., Zanardelli, M., Airoidi, S., Notarbartolo di Sciarra, G. 2012. Predictive habitat models for managing marine areas: Spatial and

## Report on the main results of the surveillance under article 11 for annex II, IV and V species (Annex B)

- temporal distribution of marine mammals within the Pelagos Sanctuary (Northwestern Mediterranean sea). *Ocean & Coastal Management* 67 (2012) 63-74.
- Buckland ST, Anderson DR, Burnham KP, Laake JL, Borchers DL, Thomas L 2001. Introduction to distance sampling: estimating abundance of biological populations. Oxford University Press, Oxford.
- Buckland, S.T., Anderson, D.R., Burnham, K.P., Laake, J.L., Borchers, D.L., Thomas, L. 2004. Advanced Distance Sampling. Oxford University Press.
- Cañadas, A., R. Sagarminaga, R. de Stephanis, E. Urquiola and P.S. Hammond. 2005. Habitat selection models as a conservation tool: proposal of marine protected areas for cetaceans in Southern Spain. *Aquatic Conservation: Marine and Freshwater Ecosystems* 15:495-521.
- Cañadas, A., Sagarminaga, R. and García-Tiscar, S. 2002. Cetacean distribution related with depth and slope in the Mediterranean waters off southern Spain. *Deep Sea Research I* 49: 2053-2073.
- Caughley G. 1966. Mortality patterns in mammals. *Ecology* 47:906-918.
- Cerioni, S., Forni, L., Lo Tenero, A., Nannarelli, S. & Pulcini, M. 1996. A cetacean survey in the Taranto Gulf: work in progress. *European Research on Cetaceans* 9:102-103.
- D'Ortenzio, F. and Ribera d'Alcala, M. 2008. On the trophic regimes of the Mediterranean Sea. *Biosciences Discussions* 5: 2959-2983.
- Emelen J.M. 1970. Age specificity and ecological theory. *Ecology*, 51, 588-601.
- Fortuna, C.M., Filidei, E. jr. 2011. Annual Report on the implementation of Council Regulation (EC) 812/2004 - 2010. Rapporto tecnico preparato per il Ministero delle politiche agricole, alimentari e forestali, 10 pagine.
- Fortuna, C.M., Holcer, D., Filidei, E. jr, Tunesi, L., 2011 Relazione finale del progetto "Valutazione dell'impatto della mortalità causata da attività di pesca su Cetacei e tartarughe marine in Adriatico: primo survey per la stima dell'abbondanza" (Prot. MIPAAF DG PEMAC n. 1690 del 10/02/2010 e al Prot. MATTM DPN n. 27623 del 23/12/2009), 51 pagine + Allegati.
- Fortuna, C.M., Vallini, C., Filidei, E. jr, Ruffino, M., Consalvo, I., Di Muccio, S., Gion, C., Scacco, U., Tarulli, E., Giovanardi, O., Mazzola, A. 2010. Bycatch of cetaceans and other species of conservation concern during pair trawl fishing operations in the Adriatic Sea (Italy). *Chemistry and Ecology* 26(Supplement):65-76.
- Gannier A 1998. Les cétacés de Méditerranée nord-occidentale: nouveaux résultats sur leur distribution, la structure de leur peuplement et l'abondance relative des différentes espèces. *Mésogée* 56: 3-19.
- Gannier A 2006. Le peuplement estival de cétacés dans le Sanctuaire Marin Pelagos (Méditerranée nord-occidentale): distribution et abondance. *Mammalia* 70: 17-27.
- Lauriano, G., Panigada, S., Fortuna, C.M., Holcer, D., Filidei, E. jr, Pierantonio, N. and Donovan, G. 2011b. Monitoring density and abundance of cetaceans in the seas around Italy through aerial survey: a contribution to conservation and the future ACCOBAMS Survey. *International Whaling Commission SC/63/SM6*.
- Marini, L., Consiglio, C., Angradi, A.M., Catalano, B., Sanna, A., Valentini, T., Finioia, M.G. & Villetti, G. 1996. Distribution, abundance and seasonality of cetaceans sighted during scheduled ferry crossings in the central Tyrrhenian Sea: 1989-1992. *Italian Journal of Zoology* 63:381-388.
- Marsili, L. (2000) Lipophilic contaminants in marine mammals: review of the results of ten years' work at the Department of environmental biology, Siena University (Italy). *International Journal of Environmental Pollution* 13:416-452.
- Politi, E., Bearzi, M., Notarbartolo di Sciara, G., Cussino, E. & Gnone, G. 1992.

# Report on the main results of the surveillance under article 11 for annex II, IV and V species (Annex B)

Distribution and frequency of cetaceans in the waters adjacent to the Greek Ionian Islands. European Research on Cetaceans 6:75–78  
 RAC/SPA. 1998. Report of the Meeting of Experts on the Implementation of the Action Plans for Marine Mammals (Monk seal and Cetaceans) adopted within MAP. UNEP(OCA)/MED WG. 146/5, Tunis, annex 5, pp:55-57.  
 Rallo, G. 1979. I cetacei dell'Adriatico. WWF Veneto, 4, 3-4.

## 2.3 Range

2.3.1 Surface area - Range (km <sup>2</sup> )	45000
2.3.2 Method - Range surface area	Estimate based on partial data with some extrapolation and/or modelling (2)
2.3.3 Short-term trend period	2000-2011
2.3.4 Short-term trend direction	unknown (x)
2.3.5 Short-term trend magnitude	min max
2.3.6 Long-term trend period	
2.3.7 Long-term trend direction	N/A
2.3.8 Long-term trend magnitude	min max
2.3.9 Favourable reference range	area (km <sup>2</sup> ) operator N/A unknown Yes method
2.3.10 Reason for change	Use of different method

## 2.4 Population

2.4.1 Population size (individuals or agreed exception)	Unit N/A min max
2.4.2 Population size (other than individuals)	Unit number of map 10x10 km grid cells (grids10x10) min 150 max 150
2.4.3 Additional information	Definition of locality Conversion method Problems It is not possible o convert grids into individuals
2.4.4 Year or period	2010-2011
2.4.5 Method – population size	Estimate based on partial data with some extrapolation and/or modelling (2)
2.4.6 Short-term trend period	2000-2011
2.4.7 Short term trend direction	unknown (x)
2.4.8 Short-term trend magnitude	min max confidence interval
2.4.9 Short-term trend method	Absent data (0)
2.4.10 Long-term trend period	
2.4.11 Long term trend direction	N/A
2.4.12 Long-term trend magnitude	min max confidence interval
2.4.13 Long-term trend method	N/A
2.4.14 Favourable reference population	number operator N/A unknown Yes method
2.4.15 Reason for change	Use of different method

## 2.5 Habitat for the Species

2.5.1 Surface area - Habitat (km <sup>2</sup> )
---

# Report on the main results of the surveillance under article 11 for annex II, IV and V species (Annex B)

2.5.2 Year or period	
2.5.3 Method used - habitat	Absent data (0)
2.5.4 a) Quality of habitat	Unknown
2.5.4 b) Quality of habitat - method	Expert opinion
2.5.5 Short term trend period	
2.5.6 Short term trend direction	unknown (x)
2.5.7 Long-term trend period	
2.5.8 Long term trend direction	N/A
2.5.9 Area of suitable habitat (km <sup>2</sup> )	
2.5.10 Reason for change	Use of different method

## 2.6 Main Pressures

Pressure	ranking	pollution qualifier(s)
Marine water pollution (H03)	high importance (H)	Mixed pollutants ( X)
netting (F02.01.02)	low importance (L)	N/A

2.6.1 Method used – pressures mainly based on expert judgement and other data (2)

## 2.7 Main Threats

Threat	ranking	pollution qualifier(s)
Marine water pollution (H03)	high importance (H)	Mixed pollutants ( X)
netting (F02.01.02)	low importance (L)	N/A

2.7.1 Method used – threats expert opinion (1)

## 2.8 Complementary Information

2.8.1 Justification of % thresholds for trends

2.8.2 Other relevant Information This pelagic species is present in very low numbers. Its distribution is currently unknown.

2.8.3 Trans-boundary assessment

## 2.9 Conclusions (assessment of conservation status at end of reporting period)

2.9.1 Range	assessment Unknown (XX) qualifiers N/A
2.9.2. Population	assessment Unknown (XX) qualifiers N/A
2.9.3. Habitat	assessment Unknown (XX) qualifiers N/A
2.9.4. Future prospects	assessment Unknown (XX) qualifiers N/A
2.9.5 Overall assessment of Conservation Status	Unknown (XX)
2.9.5 Overall trend in Conservation Status	N/A

## 3. Natura 2000 coverage and conservation measures - Annex II species

### 3.1 Population

# Report on the main results of the surveillance under article 11 for annex II, IV and V species (Annex B)

3.1.1 Population Size	Unit	N/A	
	min		max
3.1.2 Method used	N/A		
3.1.3 Trend of population size within	N/A		
3.2 Conversation Measures			