

## Ship Strikes: Follow-up on recommendations made and measures identified at the Beaulieu Workshop

(see IWC/63/CC8, report of the workshop)

Submitted by Belgium

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Agenda item 18

This working paper provides the list of recommendations and measures coming from the *Joint IWC-ACCOBAMS Workshop on Reducing Risk of Collisions between Vessels and Cetaceans* held in Beaulieu-sur-Mer (France) from 21-24 Sept. 2010, which were endorsed by the Scientific and the Conservation Committees. The intention of the list is to facilitate discussions on a proper follow-up by identifying who could contribute to their implementation.

	Recommendations/Measures	Prop. Time line	Possible stakeholders	Prop. Priority	Fund. Need	Rep. Page
<b>Scientific</b>	Data requirements					
	Cetacean abundance, density, movements and stock structure data collection	Short/Medium	Contracting Governments	High	YES	4
	Basin-wide survey in ACCOBAMS Area waters	Short	Italy	High	YES	4
	Stranding networks					6
	Necropsies (validation studies for fat emboli using lung tissue)	Short/Medium	University of Las Palmas with others		YES	6
	Standardization of protocols	Short/Medium	Contracting Governments	High	YES	6
	Training in forensic methods	Short/Medium			NO	6
	Establish basin wide Stranding Network in Mediterranean	Medium	ACCOBAMS members	High	NO	6
	Investigate use of drift models, incl. Identifying data gaps	Medium	IWC SC/USA		?	7
	Encourage reporting carcasses (relevant to chapter 5 of IMO's SOLAS Convention)	Short	IMO member states		NO	7
	Direct observations					
	Encourage reporting of collisions to IWC database	Short	Contracting Governments	High	NO	7
	Dedicated observers in high risk areas	Short/Medium	Contracting Governments		YES	8
	Reporting of near misses (incl. clear definition)	Short/Medium	Contracting Governments		NO	8
	Risk analyses					9
	Collaboration between cetacean and shipping experts	Short	IWC SC		YES	12
	Shipping and whale data overlay	Medium	IWC SC		YES	12
	Creation of risk models (incl. speed, noise, time of year, ....)	Medium	IWC SC		YES	13
	Shipping-whale data and ship strike fatalities data overlay	Medium	IWC SC		YES	13
<b>Reporting</b>	Encourage reporting of ship strikes to IWC	Short	Contracting Governments	High	NO	20
	Further development of IWC centralized database	Short	IWC SC		YES	20
	Improve collaboration between regional and global databases	Short	IWC data review group	High	NO	20
	Achieve mandatory reporting	Long	Contracting Governments/IMO members		NO	20
	Strengthening existing stranding networks	Medium	Contracting Governments/Authorities		/	20
	Increased training measures of mariners on importance of reporting strikes	Medium	Shipping industry		/	20
	Determination of Conservation objectives by the appropriate authorities	Medium	Authorities		NO	13

Work plan	Ranking of potential mitigation measures with level of risk at population level	Medium	Authorities		NO	13	
	Quantification of expected risk reduction for any mitigation measure	Medium	IWC SC		/	13	
	Utilization of IMO guidance document (MEPC.1/Circ.674)	Medium	IMO members		NO	13	
	<i>Potential measures</i>						
	ATBAs and re-routing including TSS	Medium	Contracting Governments	High	NO		13
	Dynamic management areas	Medium	Contracting Governments		NO		14
	Evaluation of implementation/compliance	Long	Contracting Governments		NO		14
	Evaluation of effectiveness	Long	IWC SC		/		14
	Speed restrictions	Medium	Contracting Governments		NO		14
	Evaluation of implementation/compliance	Long	Contracting Governments		?		15
	Evaluation of effectiveness	Long	IWC SC		?		15
	Dedicated observers and trained crew on board	Medium	Contracting Governments		YES		16
	Increased training measures and awareness (inlc. mariners)	Medium	Contracting Governments/IMO members		YES		16
	Land-based observation in high risk areas	Medium	Scientists		YES		16
	Technological approaches	Long	Shipping Industry/NGOs		YES		17
	<i>Specific cases</i>						
	Strait of Gibraltar: Reduction of speed	Medium	Spain	High	NO		19
	Pelagos Sanctuary: Designation of a PSSA under IMO	Medium/Long	Pelagos Parties/IMO		NO		19
	Southwest of Greece: Possible routing measures	Medium	Greece		NO		19
	Canary Islands: Dedicated observers on fast and high speed vessels	Short	Canary Islands government	High	?		19
	Training and education for observers	Short	Canary Islands government	High	YES		19
	Speed restrictions in SACs and high risk areas	Short/Medium	Canary Islands government		NO		19
	Possibly change in routing	Short/Medium	Canary Islands government		NO		19
	Establish a joint Stranding Investigation Working Group (IWC & ACCOBAMS)	Short	IWC & ACCOBAMS		NO		20
	Review existing protocols and tools for determining the role of human interaction in stranding of cetaceans	Short	IWC SC		NO		
	Identify, develop, review and validate tools, techniques and methods to address key issues relative to strandings	Medium	IWC SC		/		
	Develop a multidisciplinary approach and methodology to address different experience levels	Medium			/		
	Develop and implement training	Medium			YES		
	Built capacity in range states without stranding programmes	Medium			YES		
	Plan and hold a range-wide stranding coordination meeting for ACCOBAMS members	Medium	ACCOBAMS		YES		
Mediterranean basin-wide survey (summer 2012)	Short	Italy		YES		21	
Improved reporting to the IWC global ship strike database	Short	Contracting Governments		YES		21	
Development of appropriate modelling techniques to identify high priority areas	Medium	IWC SC		YES		21	
Review of process		SC / CC		NO		21	