

# HELCOM data model for shipping accidents until 2019

<b>Country</b>	Country in whose water the accident took place	
<b>Year</b>	Year of accident	
<b>Date (dd.mm.yyyy)</b>		
<b>Time (hh:mm)</b>		
<b>Latitude (DD)</b>	Please provide latitude in decimal degrees, e.g. 57.123	
<b>Longitude (DD)</b>	Please provide longitude in decimal degrees, e.g. 18.456	
<b>Location of accident</b>	Fixed answers; please choose from: <b>“Port”, “Port approach”, “Open sea”</b> or <b>“n.i.”</b> (no information available). The category <b>“Open sea”</b> covers all accidents at sea i.e. not defined as <b>“Port”</b> or <b>“Port approach”</b> . Categories are used only for the purpose of statistics and are too be defined according to national practice of the reporting authority.	
<b>Ship 1</b>	Ship 1 name, ID, flag	
	Ship 1 AIS category	Fixed answers; please choose from: <b>“Tanker”, “Cargo”, “Passenger”</b> or <b>“Other”</b> .
	Ship 1 type (detail)	Please, provide further details on type of ship, e.g. tanker (oil, chemical, gas tanker), cargo ship (general cargo, bulk carrier, etc) and other ships (icebreaker, tug boat, ro-ro, etc).
	Hull construction (tankers only)	Fixed answers; please choose from: <b>“Single, hull”, “Double hull”, “Double bottom”, “Double sides”, “Mid deck”</b> or <b>“Other”</b> .
	Size (gt)_ship1	
	Draught (m)_ship1	Fixed answers; please choose from: <b>“&lt; 7m”, “7-9m”, “9-11m”, “11-13m”, “13-15m”, “&gt;15m”</b> or <b>“n.i.”</b> .
<b>Ship 2 (if relevant)</b>  <i>Fill this in only if accident involved two ships, e.g. in case of a collision</i>	Ship 2 name, ID, flag	
	Ship 2 AIS category	Fixed answers; please choose from: <b>“Tanker”, “Cargo”, “Passenger”</b> or <b>“Other”</b> .
	Ship 2 type (detail)	Please, provide further details on type of e.g. tanker (oil, chemical, gas tanker), cargo ship (general cargo, bulk carrier) and other ships (icebreaker, tugboat, ro-ro etc).
	Hull construction (tankers only)	Fixed answers; please choose from: <b>“Single, hull”, “Double hull”, “Double bottom”, “Double sides”, “Mid deck”</b> or <b>“Other”</b> .
	Size (gt)_ship2	

	Draught (m)_ship2	Fixed answers; please choose from: “< 7m”, “7-9m”, “9-11m”, “11-13m”, “13-15m”, “>15m” or “n.i.”.
<b>Type of cargo</b>	If relevant, please specify amount and type of cargo, e.g. people (passengers and crew), oil, dangerous goods, harmful substances, bunker, ballast and empty, other.	
<b>Type of accident</b>	<p>Fixed answers; please choose from:</p> <p>“<b>Collision</b>” (striking or being struck by another ship)</p> <p>“<b>Stranding/grounding</b>” (being aground, or hitting/touching shore or sea bottom or underwater objects (wrecks, etc.))</p> <p>“<b>Contact</b>” (striking any fixed or floating object other than those included previously)</p> <p>“<b>Pollution</b>” (e.g. during fuel transfer)</p> <p>“<b>Fire or explosion</b>”</p> <p>“<b>Hull failure/ failure of watertight doors/ports etc.</b>”</p> <p>“<b>Machinery damage</b>”</p> <p>“<b>Damages to ships or equipment</b>”</p> <p>“<b>Capsizing/listing</b>”</p> <p>“<b>Missing (assumed lost)</b>”</p> <p>“<b>Accidents with life-saving appliances</b>”</p> <p>“<b>Other</b>”</p>	
<b>Type of collision or contact</b> <i>(collision and contact accidents only)</i>	Fixed answers; please choose from: “ <b>With vessel</b> ”, “ <b>With vessel and object</b> ”, “ <b>With object</b> ” or “n.i.”.	
<b>Further details about accident</b>	More detailed information, especially if “Other” was selected in the “Type of accident” column.	
<b>Cause of accident</b>	<p>Fixed answers; please choose from:</p> <p>“<b>Human element</b>” (violations or error)</p> <p>“<b>Structural failure</b>”</p> <p>“<b>Technical failure</b>” (machinery/equipment incl. design errors)</p> <p>“<b>Cargo related</b>”</p> <p>“<b>External causes</b>” (including environment, navigational infrastructure, criminal acts etc.)</p> <p>“<b>Unknown</b>”</p>	

<b>Human element subcategories</b>	Please provide further details if “Human element” was selected in the previous column. Fixed answers; please choose from:  <b>“Violation”</b> (deliberate decision to act against a rule or plan) <b>“Slip”</b> (unintentional action where failure involves attention) <b>“Lapse”</b> (unintentional action where failure involves memory) <b>“Mistake”</b> (an intentional action where there is an error in the planning process; there is no deliberate decision to act against a rule or procedure):
<b>Accident in ice conditions</b>	Fixed answers, please choose from: <b>“Yes”, “No”</b> or <b>“n.i.”</b> .
<b>Crew trained in ice navigation</b>	Fixed answers, please choose from: <b>“Yes”, “No”</b> or <b>“n.i.”</b> .
<b>Further details on cause of accident</b>	Please, provide further details on cause e.g. hard winds, heavy waves, reduced visibility, etc.
<b>Pilot on board</b>	Fixed answers, please choose from: <b>“Yes”, “No”, “Exemption certificate”</b> or <b>“n.i.”</b> .
<b>Offence against rules or regulations</b>	Please, specify e.g. use of pilot, routing, weather restriction, deficiency of the ship, operation of the ship, COLREG, speed limits, max draft, others.
<b>Damage</b>	Please specify, e.g. lives (crew and passengers), total loss, leakage, others.
<b>Need of assistance</b>	Please specify, e.g. SAR, towing, lightering, salvage, others.
<b>Pollution</b>	Fixed answers; please choose from: <b>“Yes”, “No”</b> or <b>“n.i.”</b> .
<b>Amount of pollution (m<sup>3</sup>)</b>	
<b>Amount of pollution (tonnes)</b>	
<b>Type of pollution</b>	Please, specify e.g. crude oil, diesel fuel, other.
<b>Consequences/response action</b>	Please, specify e.g. consequences of pollution, response to contamination taken, amount of pollution recovered, etc.
<b>Additional info</b>	Any other relevant information, e.g. needed to evaluate the limitation of data, etc.