

Dispersion (oil drift) models

Country	Institute	Model name	Characteristics	Area covered	Type
Belgium	MUMM	Optos_float	Model to forecast the drift of various floating objects under the influence of wind and surface currents	North Sea From 4°W to 57°N	A1 ³ , B ³
Cyprus	UCY	CYCOFOS-MEDSLIK	The MEDSLIK- Mediterranean oil spill is a 3D oil spill model designed to predict the transport, fate and weathering of an oil spill in the Mediterranean	Levantine Basin, Adriatic, Malta Sea area, NE Levantine, Mediterranean	
Denmark	DHI	MIKE 3 PA, SA	3D Particle & Spill Model, Dynamical Nesting, finite difference	North Sea / Baltic Sea	
Denmark	DMI	3D Oil Drift and fate Forecast model (BSH-Dmod).	The model calculates oil transport, drift and fate at sea surface and subsurface.	The North Sea – Baltic Sea	B
Denmark	RDANH	Seatrack Web	Seatrack Web is an operational oil drift forecasting system for spill response purposes	The Baltic Sea area and the eastern part of the North Sea	B
Finland	FIMR	PATS	Drift model for operational purposes	Northern Baltic Sea	D
Finland	SYKE	OpHespo	Hydrodynamic model for drift prediction coupled with the Finnish HIRLAM model	Gulf of Finland	B
France	Météo-France	MOTHY	Drift model	Global	A1, A2
Germany	BSH	BSHdmod.L	Lagrangian drift and dispersion model for oil, floating objects and conservative substances, oil weathering processes included, backwards tracking	North Sea and Baltic Sea	C
Germany	BSH	BSHdmod.E	Eulerian dispersion model using shock capturing scheme for simulation of conservative substances and suspended matter	North Sea and Baltic Sea	C
Greece	HCMR	Surface pollutant transport model – based on the PARCEL model.		The model is applied to the Eastern Mediterranean and/or Aegean Sea	A1
Italy	INGV	MEDSLICK	MEDSLIK is a three-dimensional model designed to predict the transport, fate and weathering of an oil spill	Adriatic Sea	D
Norway	Met.no	OD3D	3D oil spill fate model	NE Atlantic, Nordic Seas	D
Norway	Met.no	LEEWAY	Drifting objects model	NE Atlantic, Nordic Seas	D
Sweden	SMHI	Seatrack Web	Seatrack Web is an operational oil drift forecasting system for spill response purposes	The Baltic Sea area and the eastern part of the North Sea	B