

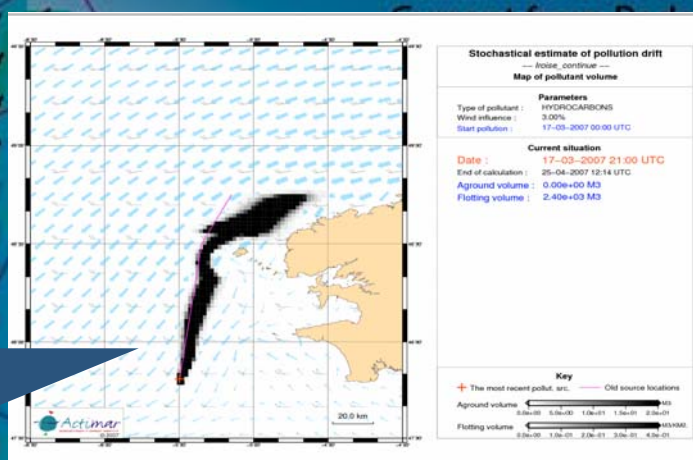
Ocean Current Drift Prediction for SAR and Environmental Applications



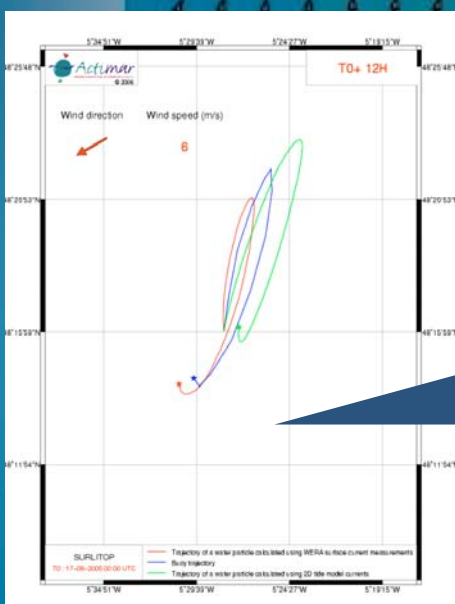
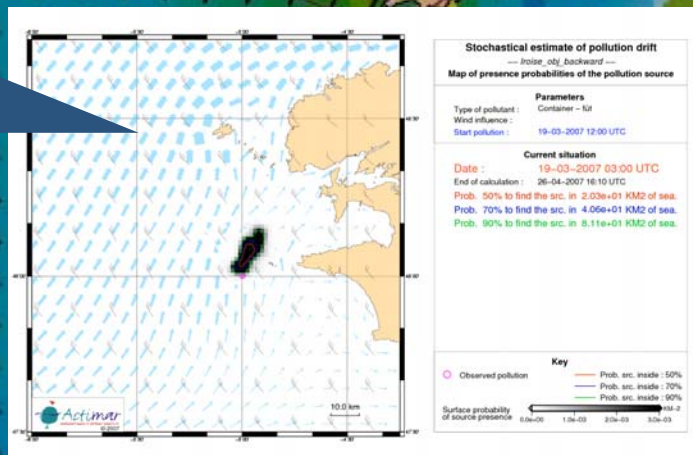
WERA provides reliable ocean current data in near real-time.

These data can be used in combination with numerical models to increase the reliability of drift predictions for environmental protection applications and for Search and Rescue (SAR).

Drift Prediction of Oil Spill after Vessel Accident



Back Tracking of Drifting Oil Slick to Identify Source of Pollution.



Drift Prediction of "man-overboard"

WERA - CurDrift, a valuable tool for maritime authorities, insurance and ship operators

CurDrift combines real-time WERA data with numerical models to provide accurate residual currents.

Fields of Application

- Maritime safety
- Search and Rescue
- Salvage operations
- Environmental protection
- Homeland security (customs)
- Scientific applications

WERA real-time data improves the reliability of drift predictions to be used for:

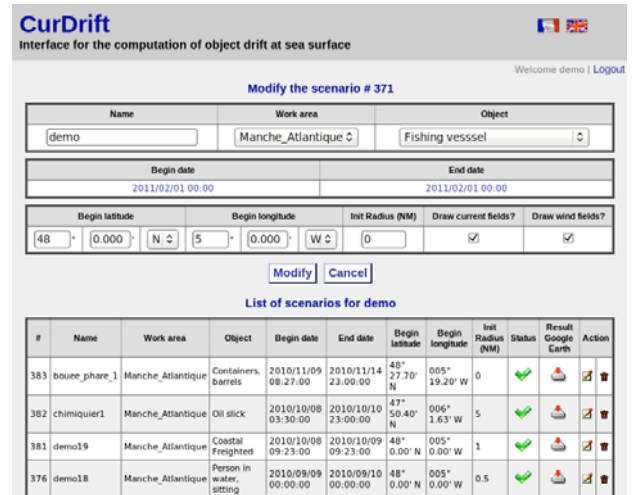
- SAR of lost people at sea
- Search of drifting containers
- Risk analysis of drifting boats
- Pollution (oil spill) drift
- Reverse drift analysis to identify polluters
- Simulation and analysis of incident scenario

List of provided services

- Customized configuration of CurDrift software
- Integration into existing networks
- Operational services and data management
- Implementation of regional meteorological and hydro dynamical models to provide reliable ocean current forecasts
- Access to dedicated or instant forecasts

Features of drift model "CurDrift"

- Easy to handle via web based user interface
- Setting of uncertainty as a parameter



CurDrift
Interface for the computation of object drift at sea surface

Welcome demo | Logout

Modify the scenario # 371

Name	Work area	Object
demo	Manche_Atlantique C	Fishing vessel

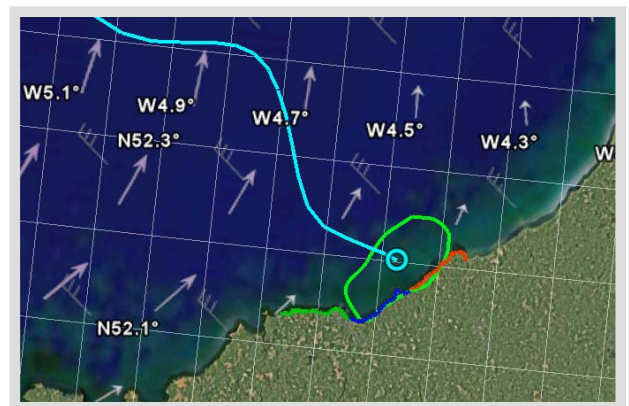
Begin date	End date
2011/02/01 00:00	2011/02/01 00:00

Begin latitude	Begin longitude	Init Radius (NM)	Draw current fields?	Draw wind fields?
48 (0.000) N	5 (0.000) W	0	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Modify Cancel

List of scenarios for demo

#	Name	Work area	Object	Begin date	End date	Begin latitude	Begin longitude	Init Radius (NM)	Status	Result Google Earth	Action
383	bouee_phare_1	Manche_Atlantique	Containers, barrels	2010/11/09 08:27:00	2010/11/14 23:00:00	48° 27.70' N	005° 19.20' W	0	✓		
382	chimiquier1	Manche_Atlantique	Oil slick	2010/10/08 03:30:00	2010/10/10 23:00:00	47° 50.40' N	006° 1.63' W	5	✓		
381	demo19	Manche_Atlantique	Coastal Freighted	2010/10/08 09:23:00	2010/10/09 09:23:00	48° 00.00' N	005° 0.00' W	1	✓		
376	demo18	Manche_Atlantique	Person in water, sitting	2010/09/09 00:00:00	2010/09/10 00:00:00	48° 00.00' N	005° 0.00' W	0.5	✓		



The WERA systems can be purchased or leased.