


European Maritime Safety Agency


CleanSeaNet Training

Feedback

1



CleanSeaNet SAFEMED Info Day - Lisbon - November 2013




European Maritime Safety Agency

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Why should the users provide feedback?

By signing the conditions of use, CS accept to:

- “ensure follow-up on CleanSeaNet detections and verify spills as extensively as possible”
- “provide information regarding verification of possible oil spills reported by CleanSeaNet”
- “provide information on spills that were not reported”
- “inform EMSA on a best effort basis of any enforcement measures taken by a coastal State or a port State against potential polluters detected and identified using the CleanSeaNet service”

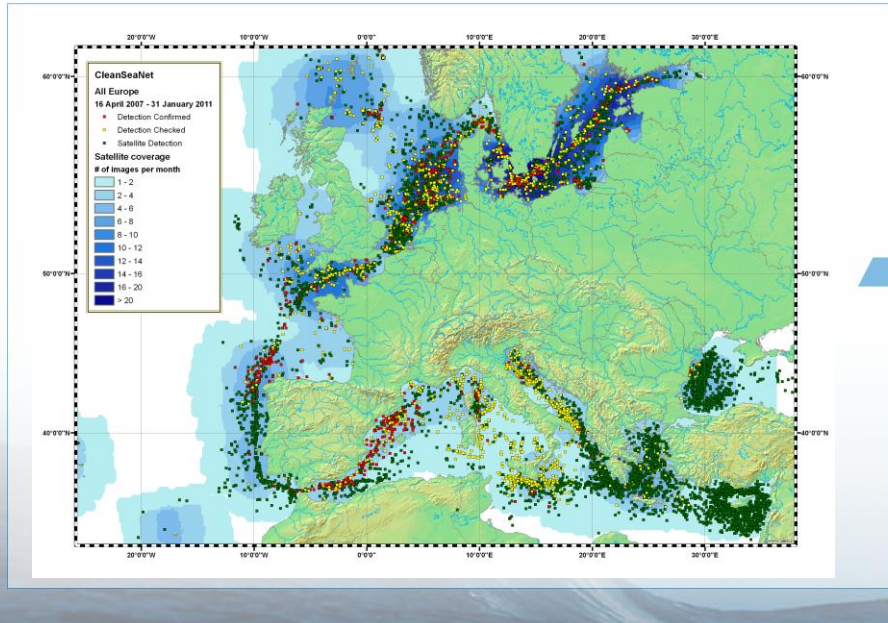
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Why should the users provide feedback?

Feedback is important as it helps to:

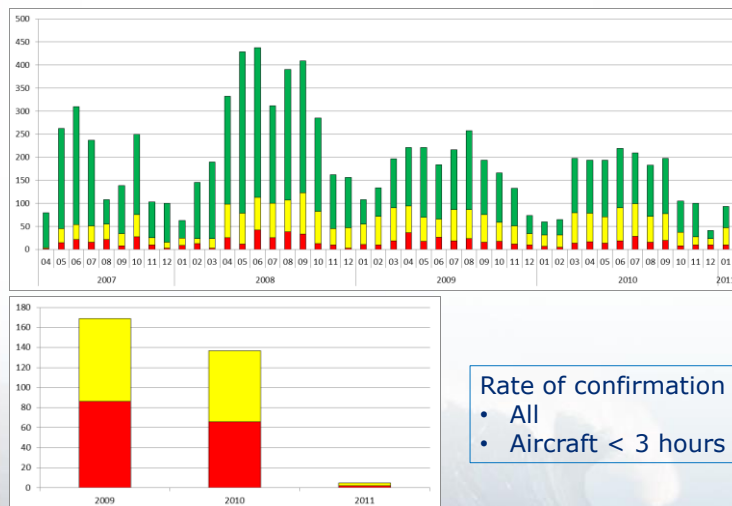
- Validate the service in terms of delivery time, false positive, false negative (=missed spills)
- Build reliable statistics
- improve the effectiveness of the operational system by:
 - reducing the false positive/negative rate
 - improving the confidence information (reliability)

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Key factors - Time and mean of observation



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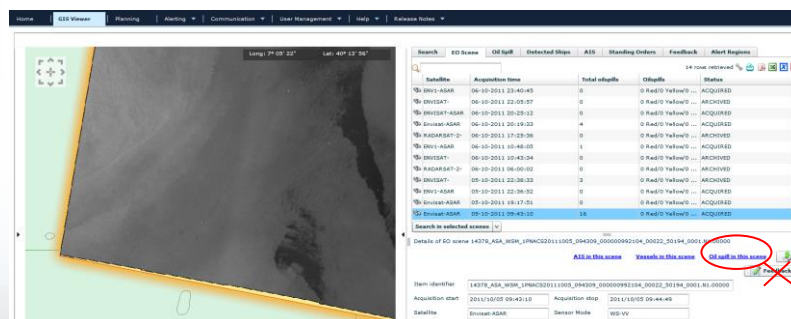
Different types of feedback

- Feedback on possible spills reported by CleanSeaNet:
 - Verification results -> via GIS viewer (**CASE 1**)
 - Enforcement -> via GIS viewer (**CASE 1**)
- Feedback on spills not reported by CleanSeaNet
 - Same area and time than CleanSeaNet image -> via GIS Viewer (false negative but not only) (**CASE 2**)
 - Any area – any time (Not yet implemented)

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Case 1 - Feedback on spills reported by CleanSeaNet

Access to feedback via the "EO Scene" tab

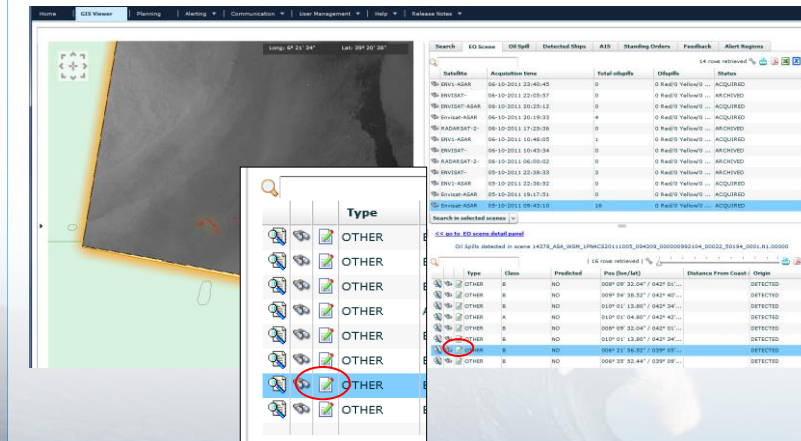


Satellite	Acquisition time	Total volume	Offsets	Status
ENVISAT-ASAR	06-10-2011 23:40:43	0	0 Rad(0 Yellow(0 ...	ACQUIRED
ENVISAT-1	06-10-2011 22:08:57	0	0 Rad(0 Yellow(0 ...	ARCHIVED
ENVISAT-ASAR	06-10-2011 20:28:12	0	0 Rad(0 Yellow(0 ...	ACQUIRED
ENVISAT-ASAR	06-10-2011 20:19:33	4	0 Rad(0 Yellow(0 ...	ACQUIRED
ENVISAT-2	06-10-2011 17:29:06	0	0 Rad(0 Yellow(0 ...	ARCHIVED
ENVISAT-ASAR	06-10-2011 16:48:08	1	0 Rad(0 Yellow(0 ...	ACQUIRED
ENVISAT-1	06-10-2011 16:42:34	0	0 Rad(0 Yellow(0 ...	ARCHIVED
ENVISAT-2	06-10-2011 09:00:02	0	0 Rad(0 Yellow(0 ...	ARCHIVED
ENVISAT-1	06-10-2011 22:38:32	0	0 Rad(0 Yellow(0 ...	ARCHIVED
ENVISAT-ASAR	06-10-2011 19:17:51	0	0 Rad(0 Yellow(0 ...	ACQUIRED
ENVISAT-ASAR	06-10-2011 09:49:05	18	0 Rad(0 Yellow(0 ...	ACQUIRED

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Case 1 - Feedback on spills reported by CleanSeaNet

Access to feedback via the "EO Scene" tab

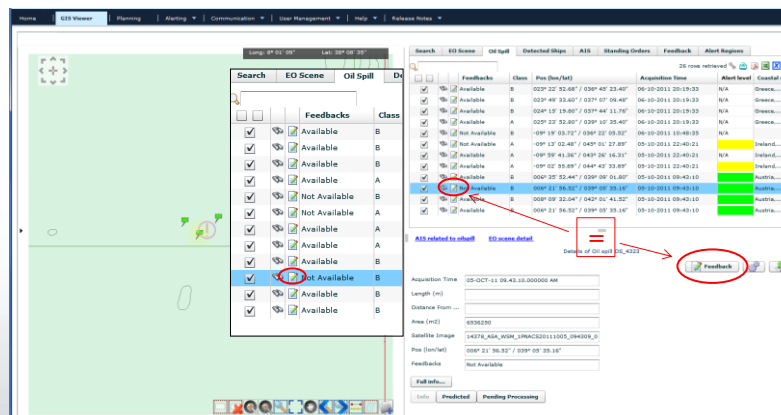


The screenshot shows the EMSA CleanSeaNet interface. The 'EO Scene' tab is selected. The table displays detected spills with columns for 'Status', 'Acquisition time', 'Total ships', 'Offships', and 'Status'. A red circle highlights the 'Feedback' button in the top right corner of the table.

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Case 1 - Feedback on spills reported by CleanSeaNet



Access to feedback via the "Oil Spill" tab

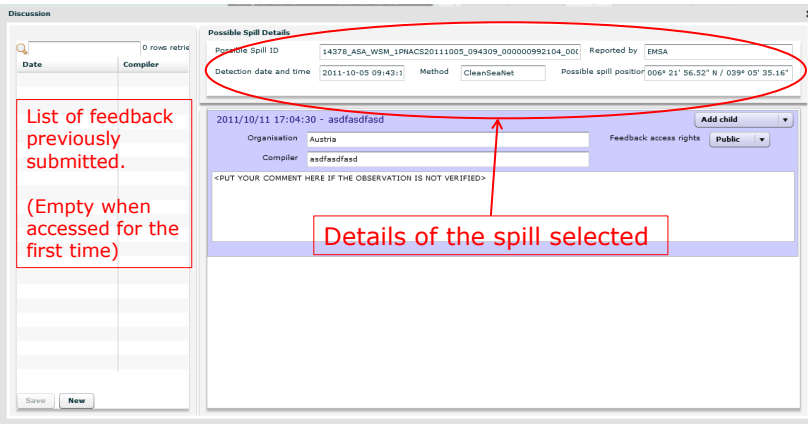


The screenshot shows the EMSA CleanSeaNet interface. The 'Oil Spill' tab is selected. The table displays detected oil spills with columns for 'Feedbacks', 'Class', 'Pos (lon/lat)', 'Acquisition Time', 'Alert level', and 'Status'. A red circle highlights the 'Feedback' button in the top right corner of the table.

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Case 1 - Feedback on spills reported by CleanSeaNet

By clicking on any of the feedback buttons from the "EO Scene" tab or from the "Oil Spill" tab  Feedback  the same feedback form will appear.



List of feedback previously submitted.
(Empty when accessed for the first time)

Details of the spill selected

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Case 1 - Feedback on spills reported by CleanSeaNet

It is possible to **create** new feedback or to **edit** an existing one

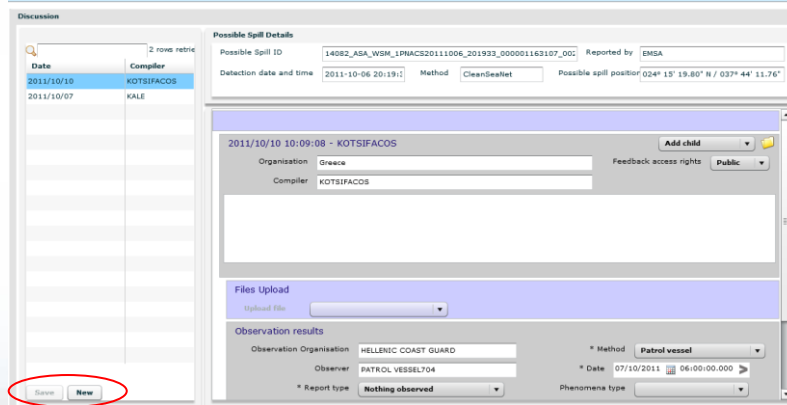
IMPORTANT: Do not create a new feedback to correct or complete a pre-existing feedback.

Feedback should be submitted to report:

- That the spill was **not checked**
- the **results of an observation** on site
- a **possible source** identified by the end user
- **Confirm a possible source** previously reported / **indicate follow-up** (use EDIT mode only)
- **Upload a file** (only possible if a feedback already exists)

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Case 1 - Feedback on spills reported by CleanSeaNet



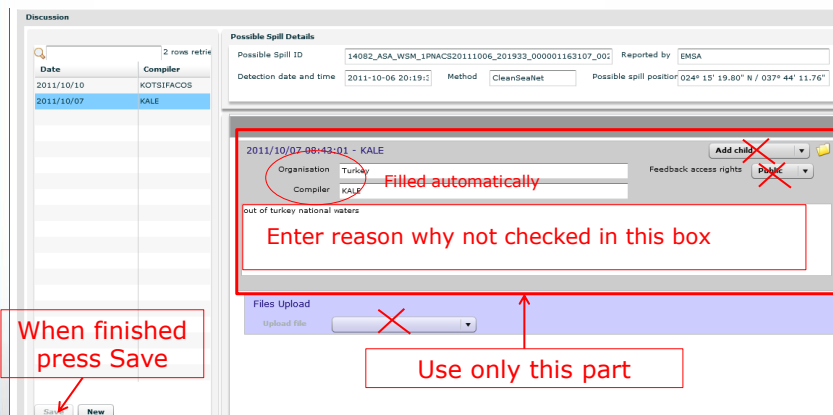
The screenshot shows the 'Discussion' tab with a table of spills. The 'New' button at the bottom left is circled in red. The 'Possible Spill Details' form on the right includes fields for 'Possible Spill ID', 'Detection date and time', 'Method', 'Possible spill position', 'Organisation', 'Compiler', 'Feedback access rights', 'Files Upload', 'Observation results', 'Observer', 'Report type', and 'Phenomena type'.

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To submit a new feedback, press "New", fill the form and press "Save"
To edit an existing feedback, select it from the list, edit the form and press "Save"

Case 1 - Feedback on spills reported by CleanSeaNet

Feedback to report that the spill was **not checked**



The screenshot shows the 'Discussion' tab with a table of spills. The 'New' button at the bottom left is circled in red. The 'Possible Spill Details' form on the right includes fields for 'Possible Spill ID', 'Detection date and time', 'Method', 'Possible spill position', 'Organisation', 'Compiler', 'Feedback access rights', 'Files Upload', 'Observation results', 'Observer', 'Report type', and 'Phenomena type'. Red annotations highlight the 'Filled automatically' field, the 'Enter reason why not checked in this box' text area, and the 'Save' button.

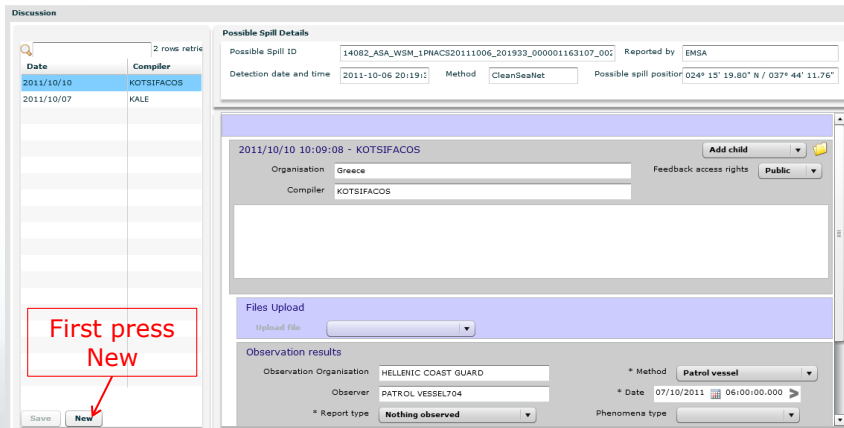
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When finished
press Save

Use only this part

Case 1 - Feedback on spills reported by CleanSeaNet

Feedback to report the **results of an observation** on site



Discussion

Date	Compiler
2011/10/10	KOTSIFACOS
2011/10/07	KALE

2 rows retrieved

Save New

Possible Spill Details

Possible Spill ID: 14082_ASA_WSM_IPHACS20111006_201933_000001163107_00; Reported by: EMSA

Detection date and time: 2011-10-06 20:19:12; Method: CleanSeaNet; Possible spill position: 024° 15' 19.80" N / 037° 44' 11.76"

2011/10/10 10:09:08 - KOTSIFACOS

Organisation: Greece; Compiler: KOTSIFACOS; Feedback access rights: Public

Files Upload

Upload file: []

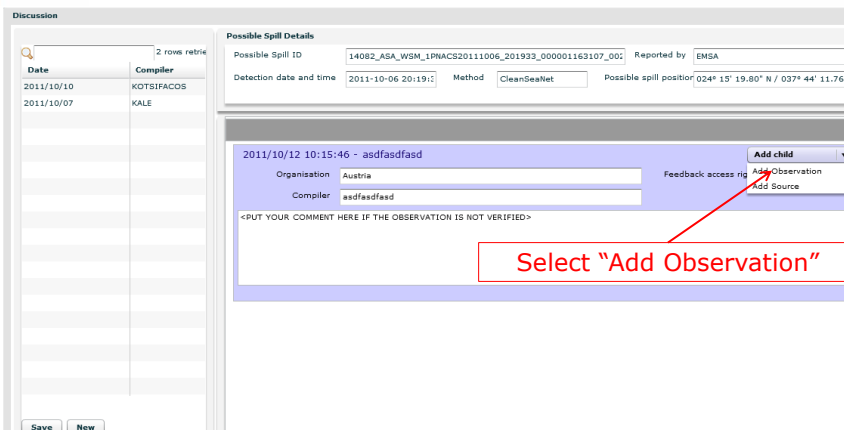
Observation results

Observation Organisation: HELLENIC COAST GUARD; * Method: Patrol vessel; * Date: 07/10/2011 06:00:00.000; Observer: PATROL VESSEL704; * Report type: Nothing observed; Phenomena type: []

Note: before pressing "New" the last feedback submitted is always displayed

Case 1 - Feedback on spills reported by CleanSeaNet

Feedback to report the **results of an observation** on site



Discussion

Date	Compiler
2011/10/10	KOTSIFACOS
2011/10/07	KALE

2 rows retrieved

Save New

Possible Spill Details

Possible Spill ID: 14082_ASA_WSM_IPHACS20111006_201933_000001163107_00; Reported by: EMSA

Detection date and time: 2011-10-06 20:19:12; Method: CleanSeaNet; Possible spill position: 024° 15' 19.80" N / 037° 44' 11.76"

2011/10/12 10:15:46 - asdfasdfasd

Organisation: Austria; Compiler: asdfasdfasd; Feedback access rights: []

Observation results

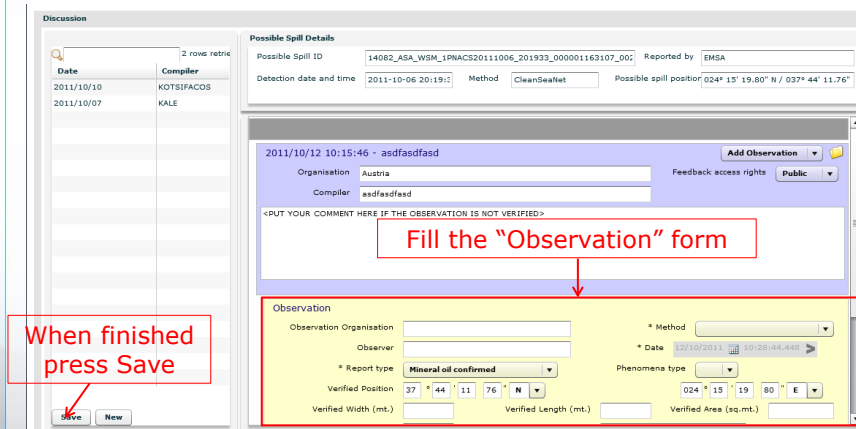
<PUT YOUR COMMENT HERE IF THE OBSERVATION IS NOT VERIFIED>

Add child; Add Observation; Add Source

Select "Add Observation"

Case 1 - Feedback on spills reported by CleanSeaNet

Feedback to report the **results of an observation** on site



Discussion

Possible Spill Details

Possible Spill ID: 14082_ASA_WSM_IPNACS20111006_201932_000001163107_002 Reported by: EMSA

Detection date and time: 2011-10-06 20:19:02 Method: CleanSeaNet Possible spill position: 024° 15' 19.80" N / 037° 44' 11.76" E

2011/10/12 10:15:46 - asdfasfadsd

Organisation: Austria Compiler: asdfasfadsd

Feedback access rights: Public

<PUT YOUR COMMENT HERE IF THE OBSERVATION IS NOT VERIFIED>

Fill the "Observation" form

When finished press Save

Save New

Observation

Observation Organisation: Observer: * Method: * Date: 12/10/2011 10:28:44.448

* Report type: Mineral oil confirmed Phenomena type: 024° 15' 19.80" E

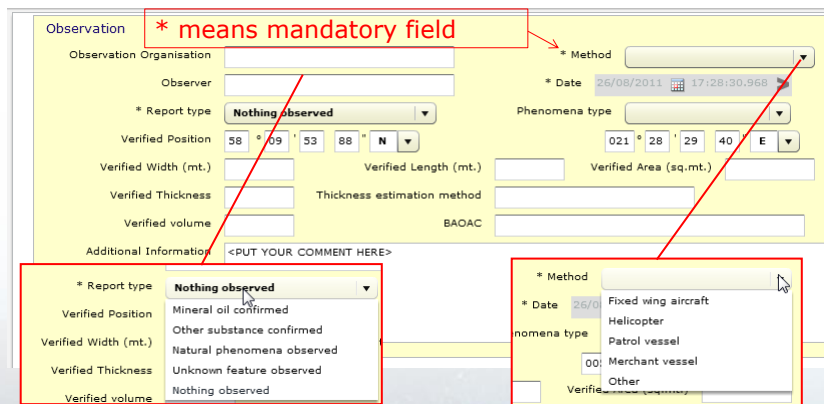
Verified Position: 37° 44' 11.76" N Verified Width (mt.): Verified Length (mt.): Verified Area (sq.mt.):

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Case 1 - Feedback on spills reported by CleanSeaNet

Feedback to report the **results of an observation** on site

Observation form details



Observation

* means mandatory field

Observation Organisation: Observer: * Method: * Date: 26/08/2011 17:28:30.968

* Report type: Nothing observed Phenomena type: 021° 28' 29.40" E

Verified Position: 58° 09' 53.88" N Verified Width (mt.): Verified Length (mt.): Verified Area (sq.mt.):

Verified Thickness: Thickness estimation method: BAOAC

Verified volume: Additional Information: <PUT YOUR COMMENT HERE>

* Report type: Nothing observed

Verified Position: Mineral oil confirmed

Verified Width (mt.): Other substance confirmed

Verified Thickness: Natural phenomena observed

Verified volume: Unknown feature observed

* Method: Fixed wing aircraft

* Date: 26/08/2011

Phenomena type: Helicopter

Patrol vessel

Merchant vessel

Other

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Note: Fields in the "Observation" form are identical to CSN V1

Case 1 - Feedback on spills reported by CleanSeaNet

Feedback to report a **possible source** identified by the end user

Discussion

2 rows retrieved

Date	Compiler
2011/10/10	KOTSIFACOS
2011/10/07	KALE

Save New

Possible Spill Details

Possible Spill ID: 14082_ASA_WSM_1PNACS20111006_201933_000001163107_00; Reported by: EMSA

Detection date and time: 2011-10-06 20:19:12 Method: CleanSeaNet Possible spill position: 024° 15' 19.80" N / 037° 44' 11.76"

2011/10/12 10:15:46 - asdfasdfasd

Organisation: Austria Feedback access rights: Add child Add Observation Add Source

Compiler: asdfasdfasd

<PUT YOUR COMMENT HERE IF THE OBSERVATION IS NOT VERIFIED>

Select "Add Source"

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Case 1 - Feedback on spills reported by CleanSeaNet

Feedback to report a **possible source** identified by the end user

Discussion

2 rows retrieved

Date	Compiler
2011/10/10	KOTSIFACOS
2011/10/07	KALE

Save New

Possible Spill Details

Possible Spill ID: 14082_ASA_WSM_1PNACS20111006_201933_000001163107_00; Reported by: EMSA

Detection date and time: 2011-10-06 20:19:12 Method: CleanSeaNet Possible spill position: 024° 15' 19.80" N / 037° 44' 11.76"

2011/10/12 10:48:34 - asdfasdfasd

Organisation: Austria Feedback access rights: Public

Compiler: asdfasdfasd

<PUT YOUR COMMENT HERE IF THE OBSERVATION IS NOT VERIFIED>

Fill the "Source" form

New Possible Source

Type	Connected	Aligned	Name	IMO#	MMSI	Confirmed	Inspected	Follow-up description
						No	No	

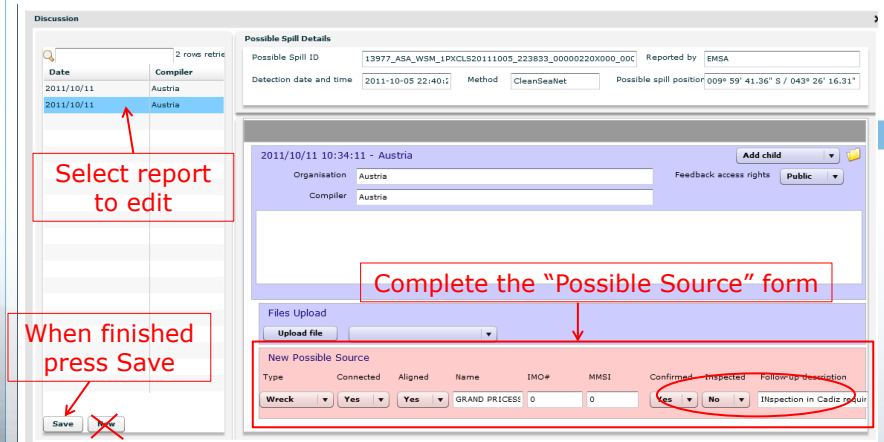
When finished press Save

Save New

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Case 1 - Feedback on spills reported by CleanSeaNet

Feedback to **Confirm a possible source** previously reported / **indicate follow-up** (EDIT mode only)



Select report to edit

When finished press Save

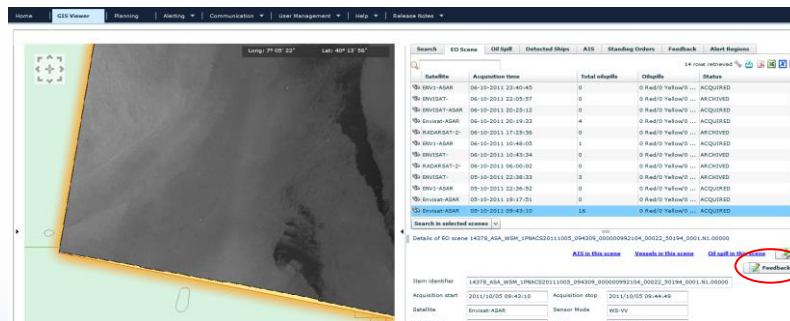
Complete the "Possible Source" form

Type	Connected	Aligned	Name	IMO#	MMSI	Confirmed	Inspected	Follow-up	Description
Wreck	Yes	Yes	GRAND PRICES	0	0	Yes	No		Inspection in Cadiz region

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Case 2 - Feedback on spills not reported by CleanSeaNet

Access to feedback via the "EO Scene" tab only



Satellite	Acquisition time	Total images	Status
ENVISAT	06-10-2011 23:40:43	0	0 Red/0 Yellow/0 ... ACQUIRED
ENVISAT	06-10-2011 23:05:37	0	0 Red/0 Yellow/0 ... ACQUIRED
ENVISAT	06-10-2011 20:20:12	0	0 Red/0 Yellow/0 ... ACQUIRED
ENVISAT	06-10-2011 20:19:33	4	0 Red/0 Yellow/0 ... ACQUIRED
RADARSAT-2	06-10-2011 17:28:36	0	0 Red/0 Yellow/0 ... ACQUIRED
ENVISAT	06-10-2011 16:48:00	0	0 Red/0 Yellow/0 ... ACQUIRED
RADARSAT-2	06-10-2011 06:00:00	0	0 Red/0 Yellow/0 ... ACQUIRED
ENVISAT	05-10-2011 22:28:23	0	0 Red/0 Yellow/0 ... ACQUIRED
ENVISAT	05-10-2011 22:26:50	0	0 Red/0 Yellow/0 ... ACQUIRED
ENVISAT	05-10-2011 19:17:51	0	0 Red/0 Yellow/0 ... ACQUIRED
ENVISAT	05-10-2011 09:43:05	14	0 Red/0 Yellow/0 ... ACQUIRED

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Case 2 - Feedback on spills not reported by CleanSeaNet

Clicking on the feedback button from the “EO Scene” tab will display the feedback form



Not the "Possible Spill ID" as wrongly indicated but the "Scene ID"

Not the "Possible Spill position" as wrongly indicated but the "Scene centre position"

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Feedback Search in the GIS viewer

Only works on feedback containing "Observations"
Does not provide results on "Not Checked"

The screenshot displays the EMSA CleanSeaNet web application. The interface includes a map of the North Atlantic and surrounding regions, a search bar, and various navigation and data display options. Three red callout boxes with arrows point to specific features:

- Select Feedback:** Points to the 'Feedback' link in the top navigation bar.
- Select area or Enter coordinates of area of Observation:** Points to the 'Show Alert Region' button and the 'Min Lat' and 'Max Lat' input fields.
- Select time window of Observation:** Points to the date and time selection fields, showing a range from 21/08/2011 17:01:11 to 22/09/2011 22:59:59.

Select Feedback

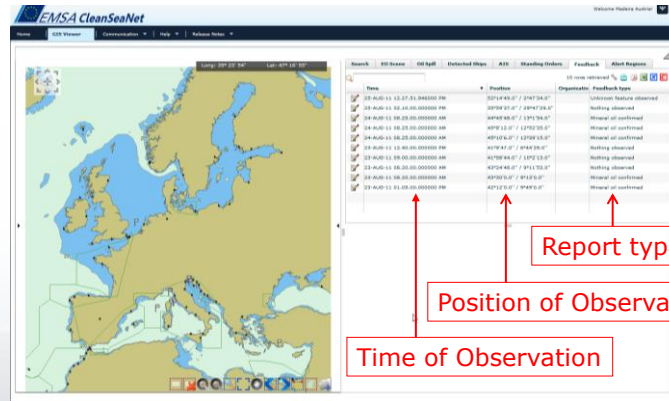
Select area or Enter coordinates
of area of Observation

Select time window of Observation

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Feedback Search in the GIS viewer

List of Results in Feedback Tab



Time of Observation

Position of Observation

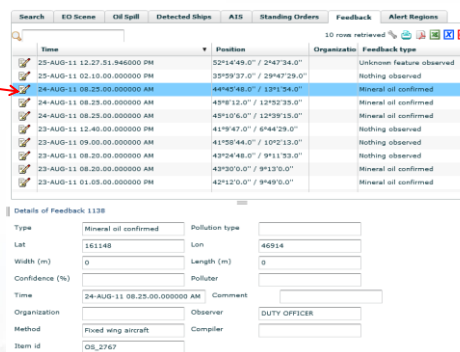
Report type

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Feedback Search in the GIS viewer

Select row to see feedback details

Click on the button to open the feedback form



Details of Feedback 1138

Type: Mineral oil confirmed

Lat: 161148

Width (m): 0

Confidence (%): 0

Time: 24-AUG-11 08:25:00.000000 AM

Organization: Observer: DUTY OFFICER

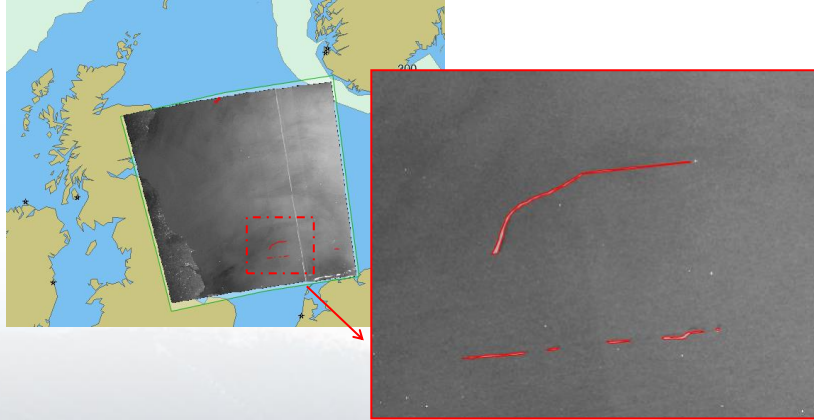
Method: Fixed wing aircraft

Item id: OS_2767

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If the feedback is attached to a spill, full feedback information for that spill will be presented when opening the feedback form. It means that all feedback submitted for that spill will be listed.

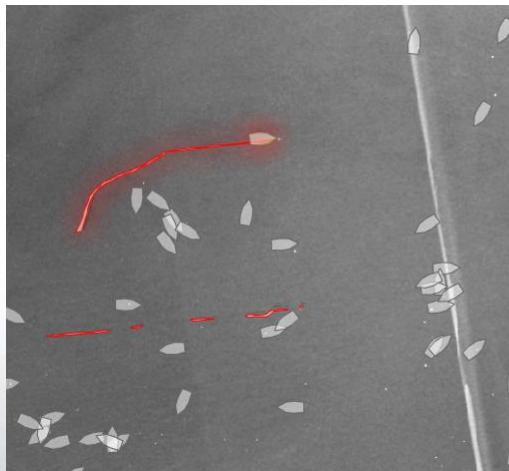
Feedback Examples in GISViewer



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RADARSAT-1 2012-10-22 17:32:16 UTC – Class A potential spill detected scene ID 123591

Feedback Examples in GISViewer



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Search in selected scenes v

<< go to EO scene detail panel

	MMSI	IMO	Name	
	538004282	9466...	INTREPID CANADA	
	311558000	8757...	COSL RIVAL	
	244730824		unknown	u
	244779000		unknown	u
	259989000	9592...	NORMAND ARCTIC	
	636014431			
	246396000	9288...	SAMPOGRACHT	
	233638000		unknown	u

| 1410 rc

Feedback Examples in GISViewer



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Feedback Examples in GISViewer

2012/10/24 12:09:54 - Kientz Add child

Organisation: Feedback access rights:

Compiler:

Observation results

Observation Organisation: * Method:

Observer:

* Report type: * Date: 24/10/2012 16:14:58

Phenomena type:

Verified Position:

Verified Width (mt.): Verified Length (mt.): Verified Area (sq.mt.):

Verified Thickness: Thickness estimation method:

Verified volume: BAOAC:

Additional Information:

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Feedback Examples in GISViewer

2012/11/05 20:03:54 - Costerus Add child

Organisation: Feedback access rights:

Compiler:

Files Upload

Upload file:

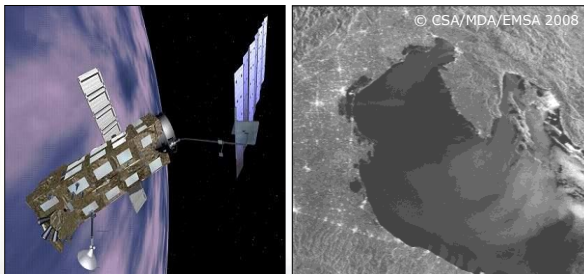
New Possible Source

Type	Connected	Aligned	Name	IMO#	MMSI	Confirmed	Inspected	Follow-up description
<input type="text" value="Vessel"/>	<input type="text" value="Yes"/>	<input type="text" value="Yes"/>	Interpid Canadi	9466740	0	<input type="text" value="Yes"/>	<input type="text" value="Yes"/>	tankwash according to Ma

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Vessel has been inspected and investigated in Rotterdam on 27 October 2012. Discharge of washing containing palmoil were carried out in accordance with Marpol Annex II regulations.

CleanSeaNet User portal:
<http://cleanseanet.emsa.europa.eu>



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satellite coordinators@emsa.europa.eu