

*10<sup>th</sup> European Research Vessel Operators (ERVO)  
Meeting 2009 - 14<sup>th</sup> – 15<sup>st</sup> May  
Copenhagen , Denmark.*

**Survey Planning System**

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## Survey Planning System – Why?

- Capture all survey information in one central location, from application stage through to cruise reporting
- Reduce amount of manual recording
- Improved scheduling, planning, allocation of ship-time, updating & displaying schedules online, reporting and statistical analysis
- Automatic reminders
- Action points highlighted inc. ownership
- Used by scientists for submitting ship time application and survey details
- Used by vessel crew for accessing survey information
- Open access – available to RV Operations, POMS Shore operations, crew and Chief Scientist

## Survey Planning System Work Flow

- RV Ops open a call for ship time for the upcoming year
- Applicants logon to SPS to complete the ship time application form

# SPS Logon



*Marine Institute*  
First on Water



## SPS Logon

Username:

Password:

Contact Research Vessel Operations: [RVO@marine.ie](mailto:RVO@marine.ie)



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# Survey Planning System

Main menu → New ship-time application

Logged in as smulcahy

Schedules Surveys Reporting Action Points Help

Admin Logout

## New ship-time application

Applicant Details **Cruise Information** Description of Research/Training Equipment

Application date

01-Mar-2007

Application code

APP-CE07001

Classification

Research

Survey name

Applepie Solutions Seabed Study

Chief Scientist

Stephen Mulcahy

Organisation

Applepie Solutions

Save partial form

Submit complete form

Next page →



## New ship-time application

- Applicant Details
- Cruise Information
- Description of Research/Training
- Equipment

### Objectives

Details.

### Locations

#### Known locations

Name

- North West
- Rockall Trough
- Celtic Sea
- Hebridean shelf and slope
- South West
- Atlantic
- South

Add →

← Remove

#### Locations to be visited

Name

- Porcupine Bank
- West

### Additional details and unlisted locations

Details.

Will you be entering any bays, estuaries or inlets?  Yes  No

If your survey involves seismic, multibeam, electromagnetic or sidescan activity within bays, estuaries or inlets please refer to the [National Parks and Wildlife Service's Code of Practice for the Protection of Marine Mammals](#).

Please list all bays, estuaries and inlets you plan on entering

Details.

### Track plan

Upload

### Outcomes and benefits of the survey

Details.

### Multi-disciplinary support details

Details.

← Previous page

Save partial form

Submit complete form

Next page →

## Survey Planning System Work Flow

- RV Ops confirm survey dates with the Chief Scientist/applicant
- The new schedules for the Research Vessels are published

Choose View  12  6  3 month  Linear

Edit

Cancel

Refresh

2010

	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S						
Jan					1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31						
	CE10005 - Ocean survey														CE10003 - Fishing survey																										
Feb	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28													
	CE10003 - Fishing survey																																								
Mar	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31										
															CE10004 - Benthic Ecology																										
Apr				1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30								
	CE10004 - Benthic ...																																								
May					1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30							
Jun		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30										
Jul				1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31							
															CE10001 - Hydrography survey																										
Aug					1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29								
	CE10001 - Hydrography survey														CE10002 - Pollution survey																										
Sep		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30										
	CE10002 - Pollution survey																																								
Oct				1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31							
	CE10002 - Pollution survey																																								
Nov	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30											
Dec		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31									
	CE10006 - Benthic Ecology																																								

## Survey Planning System Work Flow

- Scientists enter survey details via SPS
- SPS facilitates Diplomatic Clearance and SAC application procedures



## Survey Details for CE07001

- General
- Facilities & Equip
- User Equip
- Tech Reqs**
- Pers
- Mob/Demob
- Pre-cruise actions
- Post-cruise meet
- Post-cruise actions
- Funding

Will you require technical assistance?  Yes  No

Do you require technical support during mobilisation?  Yes  No

Do you require technical support during demobilisation?  Yes  No

Do you require technical support during ...  The entire survey  A portion of the survey  No part of the survey

Please provide details of the portion of the survey that technical support is required

Details.

Please provide details of the technical support required

Details.

Support from MI Seabed survey arranged?  Yes  No

Support from Oceanographic teams arranged?  Yes  No

Network Access Required?  Yes  No

How many network ports are required?

### Positioning Signals Required

DGPS  Yes  No

HP DGPS  Yes  No

Spot positions  Yes  No

Calibrations required

Details here

Planned user calibrations

Details here

Other technical requirements

Details here

[View map of special areas of conservation](#)

Special Areas of Conservation clearance received?  Yes  No 

#### Locations

##### Known locations

Name

North West  
Rockall Trough  
Celtic Sea  
Midland shelf and slope  
South West  
Atlantic  
South

Add →

← Remove

##### Locations to be visited

Name

Porcupine Bank  
West

#### Additional details and unlisted locations

Details

Track plan

Upload



Will you be entering any bays, estuaries or inlets?

Yes

No 

If your survey involves seismic, multibeam, electromagnetic or sidescan activity within bays, estuaries or inlets please refer to the [National Parks and Wildlife Service's Code of Practice for the Protection of Marine Mammals](#).

Please list all bays, estuaries and inlets you plan on entering

Details

Outline of work

Details of work

Outline of work document

Upload



Save partial form

Submit complete form

Next page →

## Survey Planning System Work Flow

- SPS generates automatic e-mail reminders to Chief Scientists regarding survey details required e.g. Next of Kin Information
- Last minute changes can be entered by RV Ops
- Pre Cruise actions are recorded on SPS



## Survey Details for CE07001

General Facilities & Equip User Equip Tech Reqs Pers Mob/Demob **Pre-cruise actions** Post-cruise meet Post-cruise actions Funding

### Pre-cruise actions

<a href="#">Id</a>	<a href="#">Description</a>	<a href="#">Owner</a>	<a href="#">Status</a>	<a href="#">Creation Date</a>	<a href="#">Closure Date</a>
<a href="#">CE07001-011</a>	Prepare report on xxx	smulcahy	Pending	02-Mar-2006	
<a href="#">CE07001-002</a>	Fix yyy	smulcahy	Resolved	02-Mar-2006	02-Jun-2006
<a href="#">CE07001-003</a>	Change zzz		Pending	02-Aug-2007	

Right-click mouse on an action point id to edit that action point.

Brings user to "new action point" screen

New Action Point

### Last Minute Changes

**15-Sep-2007 0900** Modified the mob and demob ports. Added some additional scientists and changed some scientists personal details.

**16-Sep-2007 1000** Added additional items of user equipment. Modified the list of selected RV equipment to include a large crane. Added some additional chemicals required.

Control allowing last minute notes and changes to be added to the survey details. Changes are stored as read-only notes, no further modifications can be made to these once added.

Each time an entry is made, email is sent to RVOps, the CS and P&O with details of the note.

Enter Text  
Enter More Text

Add Last Minute Change

← Previous page

Save partial form

Submit complete form

Next page →

## Survey Planning System Work Flow

- Post cruise actions are recorded on SPS
- SPS facilitates post cruise reports and post cruise assessments

# Post-cruise action points

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Survey Planning System

Main menu → Action Points

Schedules Surveys Reporting **Action Points** Help

Logged in as smulcahy  
Admin Logout

Pre-cruise action points  
Post-cruise action points

List Post-cruise Action Points

<u><a href="#">Id</a></u>	<u><a href="#">Survey No.</a></u>	<u><a href="#">Description</a></u>	<u><a href="#">Owner</a></u>	<u><a href="#">Status</a></u>	<u><a href="#">Creation Date</a></u>	<u><a href="#">Closure Date</a></u>
<a href="#">CE07001-011</a>	CE07001	Prepare report on xxx	smulcahy	Pending	02-Mar-2006	
<a href="#">CE07002-002</a>	CE07002	Fix yyy	smulcahy	Resolved	02-Mar-2006	02-Jun-2006
<a href="#">CE07002-003</a>	CE07002	Change zzz		Pending	02-Aug-2007	

Right-click mouse on an action point id to edit that action point.

Status  Pending  Resolved

Vessel  Celtic Explorer  Celtic Voyager

Owner All

Start date 10 Aug 2006

End date 10 Aug 2006

Desc. Find

Input free text and click find to list only action points matching that description

The date range should default to the current survey

# Post Cruise Assessment Form



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Pursuing the Blue



## Survey Planning System

Main menu → CE07001 → Post-cruise Assessment
Logged in as smulcahy

Schedules Surveys Reporting Action Points Help
Admin Logout

Scientific & Technical
Onboard facilities
Feedback
Post-cruise Assessment for CE07001

<b>Research Vessel</b>	<input type="text" value="Celtic Explorer"/>
<b>Survey Code</b>	<input type="text" value="CE07001"/>
<b>Start date</b>	<input type="text" value="01-Mar-2007"/>
<b>End date</b>	<input type="text" value="10-Mar-2007"/>
<b>Chief Scientist</b>	<input type="text" value="Stephen Mulcahy"/>
<b>Organisation</b>	<input type="text" value="Applepie Solutions"/>
<b>Area of operation</b>	<input type="text" value="Location 1 (xxx, yyy)"/> <input type="text" value="Location 2 (xxx, yyy)"/> <input type="text" value="Location 3 (xxx, yyy)"/> <input type="text" value="Location 4 (xxx, yyy)"/>
<b>Master</b>	<input type="text" value="John Smith"/>

  

<b>Pre-cruise planning</b>	<input checked="" type="radio"/> Excellent <input type="radio"/> Good <input checked="" type="radio"/> Average <input type="radio"/> Poor <input type="radio"/> Unacceptable <a href="#">?</a>
<b>Comments</b>	<input type="text"/>
<b>Mobilisation support</b>	<input type="radio"/> Excellent <input type="radio"/> Good <input checked="" type="radio"/> Average <input type="radio"/> Poor <input type="radio"/> Unacceptable <a href="#">?</a>
<b>Comments</b>	<input type="text"/>
<b>Onboard marine support/ crew assistance during survey</b>	<input checked="" type="radio"/> Excellent <input type="radio"/> Good <input checked="" type="radio"/> Average <input type="radio"/> Poor <input type="radio"/> Unacceptable <a href="#">?</a>
<b>Comments</b>	<input type="text"/>
<b>Onboard technical support</b>	<input checked="" type="radio"/> Excellent <input type="radio"/> Good <input checked="" type="radio"/> Average <input type="radio"/> Poor <input type="radio"/> Unacceptable <a href="#">?</a>
<b>Comments</b>	<input type="text"/>
<b>Ship/technical/scientific staff interface</b>	<input checked="" type="radio"/> Excellent <input type="radio"/> Good <input checked="" type="radio"/> Average <input type="radio"/> Poor <input type="radio"/> Unacceptable <a href="#">?</a>
<b>Comments</b>	<input type="text"/>
<b>Demobilisation support</b>	<input checked="" type="radio"/> Excellent <input type="radio"/> Good <input checked="" type="radio"/> Average <input type="radio"/> Poor <input type="radio"/> Unacceptable <a href="#">?</a>
<b>Comments</b>	<input type="text"/>
<b>Suitability of RV equipment</b>	<input checked="" type="radio"/> Excellent <input type="radio"/> Good <input checked="" type="radio"/> Average <input type="radio"/> Poor <input type="radio"/> Unacceptable <a href="#">?</a>
<b>Comments</b>	<input type="text"/>
<b>Facilities in laboratories</b>	<input checked="" type="radio"/> Excellent <input type="radio"/> Good <input checked="" type="radio"/> Average <input type="radio"/> Poor <input type="radio"/> Unacceptable <a href="#">?</a>
<b>Comments</b>	<input type="text"/>
<b>Fixed scientific facilities</b>	<input checked="" type="radio"/> Excellent <input type="radio"/> Good <input checked="" type="radio"/> Average <input type="radio"/> Poor <input type="radio"/> Unacceptable <a href="#">?</a>
<b>Comments</b>	<input type="text"/>

Save partial form

Submit complete form

Next page →

# Survey Planning System Work Flow

- SPS provides survey reporting and statistical analysis



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# Survey Planning System

Main menu → Reporting → Standard Reports

Logged in as smulcahy

Schedules Surveys **Reporting** Action Points Help

Admin Logout

Standard reports ▶

Summary of days by category

Adhoc report

Details of days by category

Saved adhoc reports ▶

Breakdown of days by category

Overall Vessel Statistics

**Funding report**

Post-cruise actions

Research Vessel

Both vessels ▼

Start date

10 ▼

Aug ▼

2006 ▼



End date

10 ▼

Aug ▼

2006 ▼



Display report

Print report

Export to Excel

## Code can be made available to other vessel operators

- For a small fee!!