INSITE DATA INITIATIVE

Marine Growth Survey Questionnaire

The INSITE Data Initiative aims to identify data which has been collected by energy companies which could be valuable to research into the influence of man-made structures on the North Sea ecosystem.

Please fill in this questionnaire relating to ROV video marine growth surveys of subsea infrastructure. We thank you for your participation.

Contact: F.Murray@hw.ac.uk
# INSITE Data Initiative: Marine Growth Questionnaire

Dr Fiona Murray, Heriot-Watt University. [F.Murray@hw.ac.uk](mailto:F.Murray@hw.ac.uk)

## General Survey Information

Does your company conduct or commission ROV video marine growth surveys of any of the following subsea installations? (Select all that apply)

- Pipelines
- Jackets
- Wellheads
- Other
- Subsea Protection Structures

Do you collect data on any of the following in the vicinity of these assets?

**Water Column:**
- Basic water quality
- Chlorophyll
- Potential contaminants
- Biota

**Sediment:**
- Grain size/colour/texture
- Redox potential/oxygen
- Potential contaminants
- Biota

Who conducts these surveys?

- In house
- External contractor (please specify)
- Various (Fugro, Gardline, Subsea 7, Technip)

Please provide a list of your subsea installations with the earliest video ROV survey dates.

**Subsea:** Ellon/Grant, Forvie, Islay, Jura, Nuggets, ANE, PN1, Laggan, Tormore, Edradour, Glenlivet. (1990s)

**Jacket:** Alwyn, Dunbar, Elgin, Franklin, West Franklin. (1990s)

How often, on average, are ROV video marine growth surveys conducted?

- Every year
- Every 2 years
- Every 2-5 years
- Less frequently

## Pipeline Specific Questions

How many km of pipeline are you responsible for surveying?

1200 km

What format and file type are videos recorded in? (E.g. digital: .AVI, .MOV, .AVCHD, .MPEG; or VHS)

VHS, Digital: MPEG (1, 2, 4) and AVI plus digital stills.

Are the videos at a high enough resolution to identify organisms 1 cm in length?

- Yes
- No
What is the size of the pipeline video archive you store (TB)?
50 TB

How long are videos kept once a survey has been completed?
☐ Less than 5 years  ☐ 5 – 10 years  ☐ 10 -20 years  ✓ Indefinitely

What software packages are required for viewing the videos?

What metadata are also collected with the videos? (Select all that apply)
✓ Date  ✓ Time  ✓ Location
✓ Depth  ✓ Scale  ✓ Operator

Please provide contact details for requesting permission to access video survey files and metadata.

________________________________________________________________________________________________________
First Name                      Last Name
________________________________________________________________________________________________________
Company                        City/Country
________________________________________________________________________________________________________
Email                           Phone

Please provide contact details for the data manager responsible for archiving the files.

________________________________________________________________________________________________________
First Name                      Last Name
________________________________________________________________________________________________________
Company                        City/Country
________________________________________________________________________________________________________
Email                           Phone
INSITE Data Initiative: Marine Growth Questionnaire

Dr Fiona Murray, Heriot-Watt University. F.Murray@hw.ac.uk
INSITE Data Initiative: Marine Growth Questionnaire

Dr Fiona Murray, Heriot-Watt University. F.Murray@hw.ac.uk

Jacket and Wellhead Specific Questions

What format and file type are videos recorded in? (E.g. digital: .AVI, .MOV, .AVCHD, .MPEG; or VHS)
VHS, Digital: MPEG (1, 2, 4) and AVI plus digital stills.

Are the videos at a high enough resolution to identify organisms 1 cm in length?
✓ Yes | ☐ No

What is the size of the video archive you store (TB)?
25 TB

How long are videos kept once a survey has been completed?
☐ Less than 5 years ☐ 5 – 10 years ☐ 10 -20 years ✓ Indefinitely

What software packages are required for viewing the videos?

What metadata are also collected with the videos? (Select all that apply)
✓ Date ✓ Time ✓ Location
✓ Depth ✓ Scale ✓ Operator

Is data extracted from the videos for the following parameters? (Select all that apply)
✓ Marine growth percentage cover
☐ Hard (e.g. mussels, coral, barnacles) and soft (anemones, sponges, algae) cover
☐ Species specific cover for key species (e.g. Lophelia, Mytilus)

How are the data recorded? (E.g. reports, spreadsheets)
Reports.
Please provide contact details for requesting permission to access video survey files and metadata.

<table>
<thead>
<tr>
<th>First Name</th>
<th>Last Name</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Company</th>
<th>City/Country</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Email</th>
<th>Phone</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Please provide contact details for the data manager responsible for archiving the files.

<table>
<thead>
<tr>
<th>First Name</th>
<th>Last Name</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Company</th>
<th>City/Country</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Email</th>
<th>Phone</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Additional Comments

Please share any additional comments.

________________________________________________________________________
________________________________________________________________________
________________________________________________________________________
________________________________________________________________________
________________________________________________________________________
________________________________________________________________________
________________________________________________________________________

Thank you for taking the time to fill out our survey. Your input is greatly appreciated.