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)

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**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

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

**NOTE:** Prior to preparing for decommissioning we carry out environmental surveys which address all of the above. A-Fields, Rose, Stamford, ST-1

Who conducts these surveys?

- [☐] In house
- [☑] External contractor (please specify) Bibby Offshore (Lynx ROV)

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

- Audrey WD – (September 2015), survey date Q2 2015
- Audrey XW – (November 2015), survey date Q2 2015
- York – (November 2015), survey date Q2 2015
- Chiswick – (November 2015), survey date Q2 2015
- F3-FA – (April 2015), survey date Q2 2014
- J6-A – (March 2015), survey date Q2 2014
- ST-1 – (November 2015), survey date Q2 2015

These are all jackets.

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?

Approximately 560km, the majority of which are buried. Less than 5% of this quantity
comprises surface laid pipelines and bundles, some protected with rock dump or mattresses.

What format and file type are videos recorded in? (E.g. digital: .AVI, .MOV, .AVCHD, .MPEG; or VHS)
Various historical in VHS form, most recently in a digital format such as mpeg.

Are the videos at a high enough resolution to identify organisms 1 cm in length?
☑ Yes | ☐ No
Possibly, but visibility in the southern North Sea is often not all that great.

What is the size of the pipeline video archive you store (TB)?
Unable to quantify as the videos are held in various repositories.

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?
VHS using VHS machines; Digital formats can usually be viewed using standard software such as Apple Quicktime or Microsoft Media Player.

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: ___________________________
**INSITE Data Initiative: Marine Growth Questionnaire**

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

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

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<thead>
<tr>
<th>First Name:</th>
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## Jacket and Wellhead Specific Questions

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<th>Question</th>
<th>Answer</th>
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<tr>
<td>What format and file type are videos recorded in? (E.g. digital: .AVI, .MOV, .AVCHD, .MPEG; or VHS)</td>
<td>ROV mounted HD Video camera. File format - *.mpeg</td>
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<td>Are the videos at a high enough resolution to identify organisms 1 cm in length?</td>
<td>☑ Yes</td>
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<td>What is the size of the video archive you store (TB)?</td>
<td>95MB</td>
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<td>How long are videos kept once a survey has been completed?</td>
<td>☑ Indefinitely</td>
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<tr>
<td>What software packages are required for viewing the videos?</td>
<td>VLC Player</td>
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<tr>
<td>What metadata are also collected with the videos? (Select all that apply)</td>
<td>☑ Date</td>
</tr>
<tr>
<td>☑ Depth</td>
<td>☑ Scale</td>
</tr>
<tr>
<td>Is data extracted from the videos for the following parameters? (Select all that apply)</td>
<td>☑ Marine growth percentage cover</td>
</tr>
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<td>☑ Hard (e.g. mussels, coral, barnacles) and soft (anemones, sponges, algae) cover</td>
<td>☑ Species specific cover for key species (e.g. Lophelia, Mytilus)</td>
</tr>
<tr>
<td>How are the data recorded? (E.g. reports, spreadsheets)</td>
<td>Tabulated Raw Data and Marine Growth Assessment Report</td>
</tr>
</tbody>
</table>
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: ___________________________

Additional Comments

Please share any additional comments.

We store historical video data and survey reports from 2007/8

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