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

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

On the odd occasion we collect water quality data but this does not form part of our routine monitoring offshore.

**Sediment:**

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

Who conducts these surveys?

- In house
- External contractor (please specify)

Variety of different contractors. For ROV surveys can be Deep Ocean, Subsea 7, Technip, Bibby Offshore.

For the sediment it is normally Gardline or FUGRO

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

All of our subsea installations undergo routine inspection programmes. **This goes back as long as installations / pipelines have been in place. Digital video is available back to 2005 and prior to this SVHS tape(Note SVHS not VHS)**

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 2500km**

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

- MPEG2 and MPEG 4 variant -- Usually .pkt/ASF/.wmv files
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Are the videos at a high enough resolution to identify organisms 1 cm in length?
☐ Yes | ☐ No - some of the footage

What is the size of the pipeline video archive you store (TB)?
42TB

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?
We use: Windows media player, VLC and Visual sopft are the main ones – Other could use Ele-Card

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.

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Jacket and Wellhead Specific Questions

What format and file type are videos recorded in? (E.g. digital: .AVI, .MOV, AVCHD, .MPEG; or VHS)
- MPEG2 and MPEG 4 variant –
- Usually .pkt/asf/.wmv files

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)?
- 10TB

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?
- We use: Windows media player, VLC and Visual soft are the main ones – Other could use Ele-Card

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)
- On digital video, reports (as applicable) and databases
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.

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