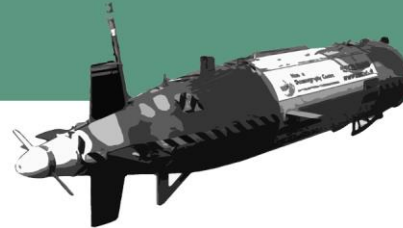
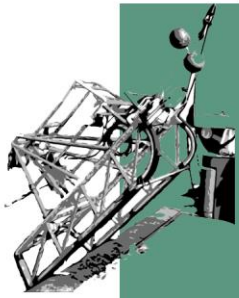


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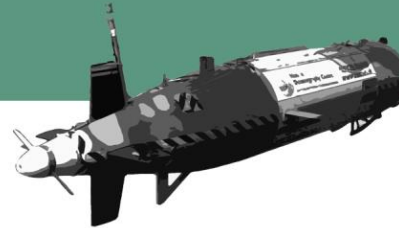
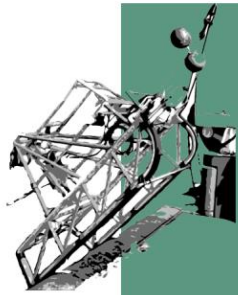
Benthic Imagery Workshop 2021



TheBigPicture@jncc.gov.uk

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Benthic Imagery Workshop 2021



Department
for Environment
Food & Rural Affairs



National
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Centre



NMBAQC

NE Atlantic Marine Biological Analytical Quality Control Scheme



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NatureScot

Scotland's Nature Agency
Buidheann Nàdair na h-Alba



Est. 1884
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Department of
Agriculture, Environment
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**Ocean
Ecology**



**Environment
Agency**



Cefas



Gardline

Workshop facilitation team



Henk van Rein
Welcome,
Session 6, Close



**Kirsten
Dinwoodie**
Sessions 1 and 5



Joey O'Connor
Session 2



Jess Taylor
Session 3



Steph Gollob
Session 4



Zena Molson
Registration



Neil Golding
(Aquarius
Survey and
Mapping)
Reporting

JNCC

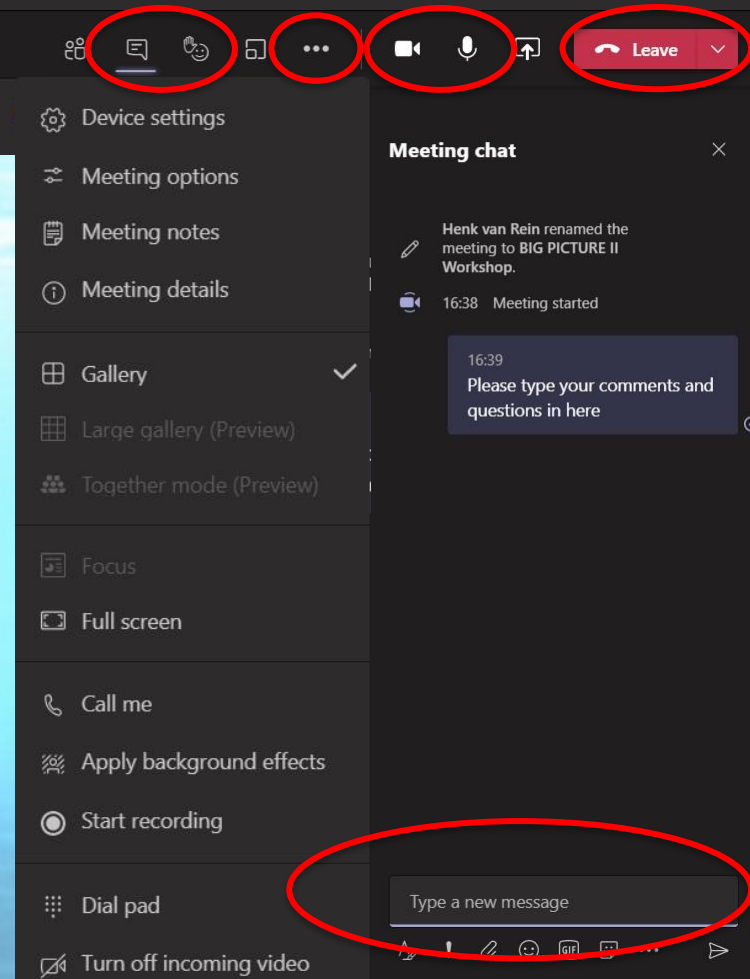
Workshop facilitation platform:



01:49

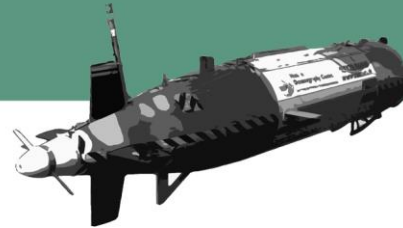
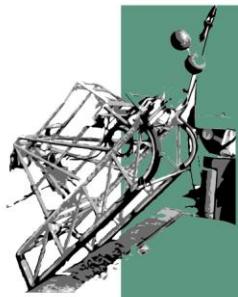
BIG PICTURE II Workshop

- Please keep yourself muted when not speaking
- Questions? Hand up/meeting chat please
- Leaving meeting
- Recording the workshop sessions

A screenshot of the Microsoft Teams meeting interface. The top bar shows icons for participants, chat, hand raise, more options (circled in red), video, microphone, screen share, and a 'Leave' button (circled in red). The left sidebar contains a list of meeting controls: Device settings, Meeting options, Meeting notes, Meeting details, Gallery (checked), Large gallery (Preview), Together mode (Preview), Focus, Full screen, Call me, Apply background effects, Start recording, Dial pad, and Turn off incoming video. The right sidebar shows the 'Meeting chat' window with a message from Henk van Rein and a text input field at the bottom (circled in red) with the placeholder 'Type a new message'.

THE BIG PICTURE II

Benthic Imagery Workshop 2021



Day 2 plan



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Aims of today

1. **Share progress**
2. Identify **funding routes**
3. Identify **global outreach** opportunities
4. Identify **future challenges**
5. Record our discussion and ideas → **Workshop reporting**

Plan for today

930-950: Welcome, plan for the day

950-1000: Very short break (10 mins)

1000-1200: **Session 3: BIAP progress in the digital realm:
AI, Data flows and Catalogues**

Presentations:

- *Artificial intelligence approaches for benthic imagery*
 - Kerry Howell (University of Plymouth)
- *Benthic imagery data flows* – Dan Lear (Marine Biological Association of the UK/ Data Archive for Seabed Species and Habitats)
- *Benthic imagery catalogues* – Graeme Duncan (JNCC)

Video:

- [FathomNet database](#) (from Ocean Shot for the UN Ocean Decade) – Kakani Katija (Monterey Bay Aquarium Research Institute)

Questions on presentations, funding opportunities, global outreach and next steps



Jess Taylor

Session 3

Plan for today

1200-1300: Lunch

1300-1500: **Session 4: Continual progress of BIAP in day-to-day analysis: Annotation, Identification and Enumeration**

Presentations:

- *Identification approaches used for benthic imagery data* - Joey O'Connor (JNCC)
- *Enumeration approaches used for benthic imagery data* – Henk van Rein (JNCC), Ross Bullimore (Centre for Environment, Fisheries and Aquaculture Science)
- *Imagery annotation software* - Mark Burton (Natural Resources Wales)

Questions on presentations, funding opportunities, global outreach and next steps



Steph Gollob

Session 4

1500-1530: Break

1530-1600: Review and day close

Plan for today

1630-1730:

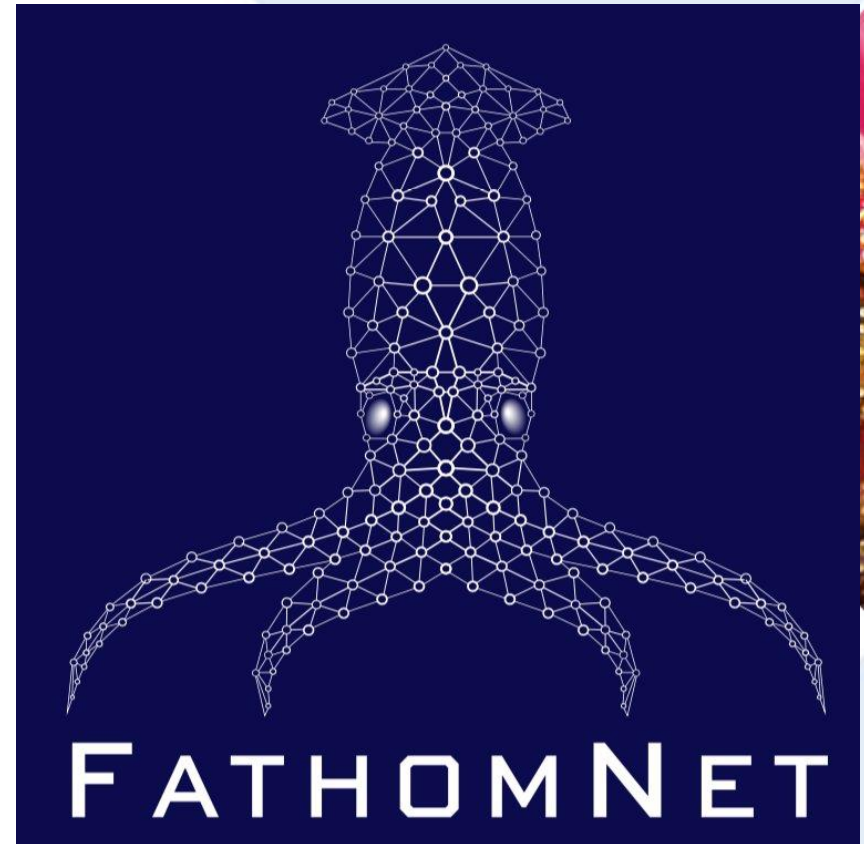
Special session **FathomNet**
discussion

Kakaki Katija

Principle engineer

Monterey Bay Aquarium Research
Institute

This extra workshop discussion session focusses on the FathomNet project. The session will be chaired by Henk van Rein (Joint Nature Conservation Committee) and Kerry Howell (University of Plymouth), with support from Jess Taylor (JNCC), and will have a guest speaker to provide questions to our answers: Kakani Katija (MBARI).



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Questions?