



DwC eMoF table for measurements or facts

Breakout session



Concepts



Measurements Quantitative

- **■** Water temperature: 16 Celsius
- ■ Organism biomass: 35 Kg/m3
- Length of the organism: 23 cm
- Duration of the net tow: 2h
- Concentration of NO3 in water: 3.56 mg/L

Facts

Qualitative



- Sampling instrument name: Agassiz Trawl
- Habitat type: Mixed seaweeds
- ≡ Life stage of the organism: Adult
- ■ Sea state: 4
- ≡ Sex of the organism: Female



Concepts

Biotic

Link to occurrences



Organism quantifications



Species biometrics



Organism characteristics



Do not link to occurrences



Abiotic measurements



Sampling methodologies



Habitat descriptions



Standardisation: BODC NVS vocabs

| eventID | occurrenceID | measurementType | measurementTypeID | measurementValue | measurementValueID | measurementUnit | measurementUnitID |
|---------|--------------|-----------------------|--|------------------|---|-----------------|---|
| ost_1 | ost_1:occ1 | Fish length (mm) | http://vocab.nerc.ac.uk/collection/P01/c urrent/OBSINDLX | 12.6 | | millimetres | https://vocab.nerc.ac.uk/collection/ P06/current/UXMM/ |
| ost_1 | ost_1:occ2 | Body_length_in_m m | http://vocab.nerc.ac.uk/collection/P01/c urrent/OBSINDLX | 10 | | mm | https://vocab.nerc.ac.uk/collection/ P06/current/UXMM/ |
| ost_1 | ost_1:occ2 | Life stage | http://vocab.nerc.ac.uk/collection/P01/current/LSTAGE01/ | Adult | https://vocab.nerc.ac.uk/ collection/S11/current/S1 116/ | Not applicable | https://vocab.nerc.ac.uk/collection/ P06/current/XXXX/ |
| ost_1 | | Sampling duration | http://vocab.nerc.ac.uk/collection/P01/c urrent/AZDRZZ01/ | 2 | | hours | https://vocab.nerc.ac.uk/collection/ P06/current/UHOR/ |
| ost_1 | | Gear | http://vocab.nerc.ac.uk/collection/P01/c urrent/NMSPINST/ | Agassiz trawl | https://vocab.nerc.ac.uk/ collection/L22/current/T OOL1252/ | Not applicable | https://vocab.nerc.ac.uk/collection/ P06/current/XXXX/ |

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Standardisation: BODC NVS vocabs

| equivalent | oquivalent | eguivalent |
|------------|------------|------------|
| equivalent | eguivalent | equivalent |

| eventID | occurrenceID | measurementType | measurementTypeID | measurementValue | measurement ValueID | measurementUnit | measurementUnitID |
|---------|--------------|-----------------------|--|------------------|---|----------------------------|---|
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| ost_1 | ost_1:occ2 | Life stage | http://vocab.nerc.ac.uk/collection/P01/current/LSTAGE01/ | Adult | https://vocab.nerc.ac.uk/ collection/S11/current/S1 116/ | Not applicable | https://vocab.nerc.ac.uk/collection/ P06/current/XXXX/ |
| ost_1 | | Sampling duration | http://vocab.nerc.ac.uk/collection/P01/c urrent/AZDRZZ01/ | 2 | | hours | https://vocab.nerc.ac.uk/collection/ P06/current/UHOR/ |
| ost_1 | | Gear | http://vocab.nerc.ac.uk/collection/P01/c urrent/NMSPINST/ | Agassiz trawl | https://vocab.nerc.ac.uk/ collection/L22/current/T OOL1252/ | Not applicable | https://vocab.nerc.ac.uk/collection/ P06/current/XXXX/ |
| | abiotic | Standard | disation of free text | | no need to standardize numbers | units don't apply to facts | |

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Choosing the right terms

The NERC Vocabulary Server (NVS)

NVS Home | Vocabularies | Thesauri | Search NVS | SPARQL | Other Tools | About NVS

Search for a term in a vocabulary collection

Service Status

Explore mappings

Select a vocabulary Show



Choosing the right terms

Vocab term suitability and integrity

Concentration of phosphate {PO43- CAS 14265-44-2} per unit volume of the water body [unknown phase]

URI http://vocab.nerc.ac.uk/collection/P01/current/PHOSZZXX/

Within Vocab BODC Parameter Usage Vocabulary

Alternative Labels PO4

Definition Concentration of phosphate per unit volume of the water column. Phosphate may be

expressed in terms of mass or quantity of substance.

Water body phosphate

URI http://vocab.nerc.ac.uk/collection/P35/current/EPC00007/

Within Vocab EMODnet Chemistry aggregated parameter names

Alternative Labels PO4

Definition Concentration of phosphate per unit volume of a river, estuary, sea or ocean by any

method in filtered or unfiltered water.

phosphate

URI http://vocab.nerc.ac.uk/collection/S27/current/CS026904/

Within Vocab BODC parameter semantic model chemical substances

Alternative Labels PO43-

Definition Unavailable



Choosing the right terms

measurementTypes

<u>■ P01</u>- BODC Parameter Usage Vocabulary

measurementValues

- ≡ S11 Biological entity life stage terms
- <u>≤ 510</u>- BODC parameter semantic model biological entity gender terms
- L22- SeaVoX Device Catalogue
- <u>■ C17</u>- ICES Platform Codes

measurementUnits

<u>■ P06</u>- Approved data storage units

WHENDERCUREOUTTHATTHEGAME

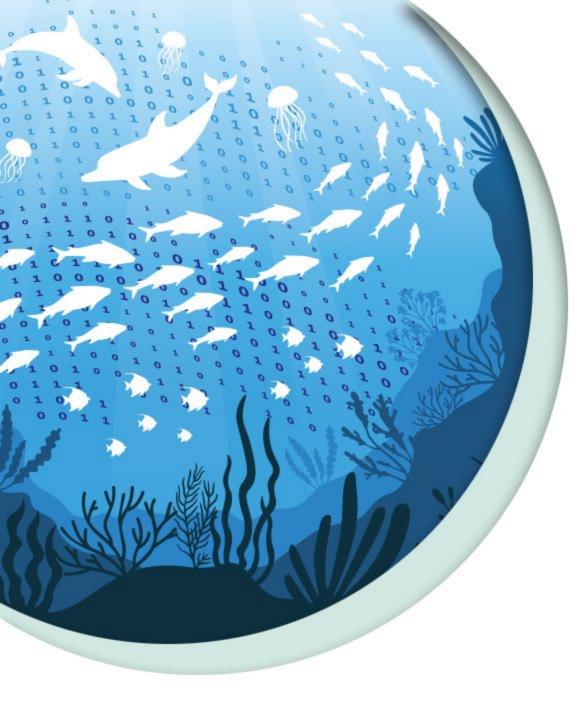


MASAGHEATOODE



Relevant sources

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THANKS!