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**Started on** Monday, 27 November 2017, 12:35 PM

**State** Finished

**Completed on** Monday, 27 November 2017, 1:29 PM

**Time taken** 53 mins 26 secs

**Grade** 17.00 out of 17.00 (100%)

### Question 1

Correct

Mark 1.00 out of  
1.00

Your dataset contains abundance data, for example 25 individuals per liter. You need to record this as:

Select one:

- ☐ a. DwC:individualCount: 25 per liter
- ☐ b. DwC:organismQuantity: 25 and DwC:organismQuantityType: individuals per liter
- ☒ c. MeasurementType: abundance; MeasurementValue: 25 ; MeasurementUnit: individuals per liter ✓ Correct!
- ☐ d. DwC:abundance: 25 individuals per liter

Your answer is correct.

The correct answer is: MeasurementType: abundance; MeasurementValue: 25 ; MeasurementUnit: individuals per liter

### Question 2

Correct

Mark 1.00 out of  
1.00

If you have a species name that includes the word "aff.", which DwC term can hold this information?

Select one:

- ☐ a. associatedTaxa
- ☒ b. identificationQualifier ✓
- ☐ c. bibliographicCitation
- ☐ d. identificationReferences

The correct answer is: identificationQualifier

### Question 3

Correct

Mark 1.00 out of  
1.00

I only have the country as location information, no coordinates. What should I do?

Select one:

- ☐ a. Add the country name in the DwC:location. OBIS automatically adds the coordinates
- ☐ b. Add the country's EEZ name in DwC:country. OBIS automatically adds the coordinates
- ☒ c. Provide the midpoint and radius from the countries EEZ (available in [marineregions.org](http://marineregions.org)) in DwC:decimalLatitude, DwC:decimalLongitude and DwC:coordinateuncertaintyInMeters and provide the country EEZ name in DwC:location and add the marineregions ID (MRGID) in DwC:locationID ✓  
Correct!
- ☐ d. Add the ISO country code in DwC:country. OBIS automatically adds the coordinates

Your answer is correct.

The correct answer is: Provide the midpoint and radius from the countries EEZ (available in [marineregions.org](http://marineregions.org)) in DwC:decimalLatitude, DwC:decimalLongitude and DwC:coordinateuncertaintyInMeters and provide the country EEZ name in DwC:location and add the marineregions ID (MRGID) in DwC:locationID

### Question 4

Correct

Mark 1.00 out of  
1.00

Which dates and times are acceptable for OBIS? Multiple answers are possible.

Select one or more:

- ☒ a. 2010 ✓ Correct
- ☐ b. 2013-02-15/2023-02-20
- ☒ c. 05-12-2010T10:08:35 ✗ Incorrect. The format is YYYY-MM-DD, so the year is not in the right place.
- ☐ d. 2010-6-05
- ☒ e. 2010-02 ✓ Correct.

Your answer is correct.

The correct answers are: 2010, 2010-02

**Question 5**

Correct

Mark 1.00 out of  
1.00

The scientificNameID is a mandatory DwC term for OBIS. It represents a unique and persistent identifier for the taxon name. OBIS recommends to use the LifeScience Identifier (LSID) from the World Register of Marine Species (WoRMS). Go to WoRMS and search for *Ascidia curvata*. What is the scientificNameID for this species?

Select one:

- ☐ a. urn:lsid:marinespecies.org:taxname:103483
- ☐ b. <http://www.marinespecies.org/aphia.php?p=taxdetails&id=249981>
- ☐ c. ascidia\_curvata\_249981
- ☒ d. urn:lsid:marinespecies.org:taxname:249981 ✓ Correct!

Your answer is correct.

The correct answer is: urn:lsid:marinespecies.org:taxname:249981

**Question 6**

Correct

Mark 1.00 out of  
1.00

When a scientificName is not in WoRMS, I can leave the scientificNameID blank, but contact the WoRMS data management team to add the name and I will add the WoRMS LSID in the next dataset version.

Select one:

- ☒ True ✓
- ☐ False

Perfect. The WoRMS data management team (and its taxonomic editorial board) usually responds very quickly.

The correct answer is 'True'.

**Question 7**

Correct

Mark 1.00 out of  
1.00

My dataset contains bottom trawl transects, how can I publish this in OBIS?

Select one:

- ☐ a. Provide the coordinates as DwC:startdecimalLongitude and DwC:startdecimalLatitude and DwC:enddecimalLongitude and DwC:enddecimalLatitude.
- ☐ b. OBIS cannot deal with line transects, only point data
- ☐ c. Provide the line transect as DwC:footprintWKT.
- ☒ d. Provide the midpoint in DwC:decimalLatitude and DwC:decimalLongitude and add the radius in DwC:coordinateuncertaintyInMeters. The line transect itself can be provided in DwC:footprintWKT. ✓ Correct!

Your answer is correct.

The correct answer is: Provide the midpoint in DwC:decimalLatitude and DwC:decimalLongitude and add the radius in DwC:coordinateuncertaintyInMeters. The line transect itself can be provided in DwC:footprintWKT.

**Question 8**

Correct

Mark 1.00 out of  
1.00

My dataset contains date ranges. How shall I publish this in OBIS?

Select one:

- ☐ a. Provide the dates as DwC:startEventDate and DwC:endEventDate
- ☒ b. Provide the start and end date in DwC:eventDate with a / separator. ✓ Correct!
- ☐ c. Provide the mid-date.

Your answer is correct.

The correct answer is: Provide the start and end date in DwC:eventDate with a / separator.

**Question 9**

Correct

Mark 1.00 out of 1.00

Coordinates should be recorded in decimal formats. Which is the correct conversion of 18°30'25"N – 5°15'E as decimalLongitude, decimalLatitude?

Select one:

- ☐ a. 18.50694, -5.25000
- ☐ b. 18.50694, 5.25000
- ☐ c. 18.30250, 5.15000
- ☐ d. 18.30250, -5.15000
- ☐ e. 18,50694, 5,25000
- ☒ f. 5.25000, 18.50694 ✓ Correct!

Your answer is correct.

The correct answer is: 5.25000, 18.50694

**Question 10**

Correct

Mark 1.00 out of 1.00

A dataset contains sensitive data (like abundance of a commercial valuable species or an endangered species) and you are not allowed to make these locations public. What should you do?

Select one:

- ☐ a. You may convince them to publish the data without abundance.
- ☒ b. You do not have to provide the exact locations, you can take the center of a grid cell (like 1x1 degrees), and mention the position is converted to the center of a grid cell in DwC:dataGeneralizations. ✓ Great!
- ☐ c. Ask if the data can be released when they are more than 5 years old.
- ☐ d. You think it is good that these data are not public, so you leave it as it is.

Your answer is correct.

The correct answer is: You do not have to provide the exact locations, you can take the center of a grid cell (like 1x1 degrees), and mention the position is converted to the center of a grid cell in DwC:dataGeneralizations.

### Question 11

Correct

Mark 1.00 out of  
1.00

If you have data about dolphin sightings, which vocabulary should you use for the DwC term: basisOfRecord?

Select one:

- ☐ a. LivingSpecimen
- ☐ b. Present
- ☐ c. PreservedSpecimen
- ☒ d. HumanObservation ✓

The correct answer is: HumanObservation

### Question 12

Correct

Mark 1.00 out of  
1.00

Which of the Darwin Core terms are mandatory for OBIS?

Select one:

- ☐ a. occurrenceID, scientificName, scientificNameID, decimalLatitude, decimalLongitude, dateIdentified, scientificNameAuthorship, basisOfRecord
- ☐ b. occurrenceID, eventID, minimumDepth, eventDate, decimalLatitude, decimalLongitude, country, identifiedBy
- ☐ c. occurrenceID, scientificName, scientificNameID, decimalLatitude, decimalLongitude, identificationRemarks, locationID, materialSampleID
- ☒ d. occurrenceID, scientificName, scientificNameID, eventDate, decimalLatitude, decimalLongitude, basisOfRecord, occurrenceStatus. ✓ Correct

Your answer is correct.

The correct answer is: occurrenceID, scientificName, scientificNameID, eventDate, decimalLatitude, decimalLongitude, basisOfRecord, occurrenceStatus.

### Question 13

Correct

Mark 1.00 out of  
1.00

OBIS requires a minimum of 12 DwC terms to be completed in order to publish your data.

Select one:

- ☐ True
- ☒ False ✓

Good job!

OBIS currently has eight required DwC terms: occurrenceID, eventDate, decimalLongitude, decimalLatitude, scientificName, scientificNameID, occurrenceStatus, basisOfRecord.

The correct answer is 'False'.

### Question 14

Correct

Mark 1.00 out of  
1.00

What does it mean when individualCount has the following value?

- 0 ✓
- 100 ✓
- NULL ✓

Your answer is correct.

The correct answer is: 0 → The species was not found, the occurrenceStatus should be set to "Absent", 100 → 100 individuals were observed, NULL → There is no information on individualCount

### Question 15

Correct

Mark 1.00 out of  
1.00

The dataset you are processing indicates that "*Gadus morhua* juvenile" was observed.  
How does this translate to Darwin Core?

Select one:

- ☐ a.
- scientificName: Gadus morhua juvenile
- ☒ b.
- scientificName: Gadus morhua
  - lifestage: juvenile
- ✓ correct

Your answer is correct.

The field scientificName should only contain a taxon name, other information should be split up in other relevant fields. Note that while OBIS allows the use of the field lifestage, it's recommended that this information is stored in the extended measurements or facts extension (eMoF) as this allows the linking to the BODC life stage vocabulary <http://vocab.nerc.ac.uk/collection/S11/current/>

The correct answer is:

- scientificName: Gadus morhua
- lifestage: juvenile

### Question 16

Correct

Mark 1.00 out of  
1.00

The scientificNameID can be found in WoRMS

Select one:

- ☒ True ✓
- ☐ False

Good Job!

The correct answer is 'True'.



Question 17

Correct

Mark 1.00 out of  
1.00

What represents the DwC term: locationID?

Select one:

- ☐ a. The name of the location where the sample was taken.
- ☐ b. A reference code provided by the WoRMS web service.
- ☐ c. The event identifier
- ☒ d. An unique and persistent identifier for the location of the record obtained from a gazetteer service, such as [www.marineregions.org](http://www.marineregions.org). ✓ Correct

Your answer is correct.

The correct answer is: An unique and persistent identifier for the location of the record obtained from a gazetteer service, such as [www.marineregions.org](http://www.marineregions.org).