Squaring the data-flow circle: One vision from disparate data

Esther Hughes esthug@mba.ac.uk



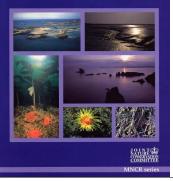
"A learned society advancing marine science through research, communication and education"

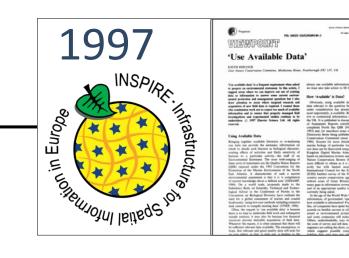
www.mba.ac.uk

1987

Coasts and seas of the United Kingdom

Marine Nature Conservation Review: Rationale and Methods







The Marine Life Information Network for Britain & Ireland







2008





"Measure once use many times"



All Photos © Keith Hiscock

Standards and Guidelines

Instills good practice Consistent format Easy ingestion into DAC

Public sighting, complex cruise survey, historical time series!

Themed by method and split into levels

Can be bolted together if needed, i.e for complex surveys



Linking metadata to data



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finding data

reference layers

submitting data

useful links

library

data discovery portal

submitting metadata

marine data standards

You are searching for... everything in 56.98N 55.69N -2.02E

1145 results returned in 0.72 seconds.

<u>MEDIN format</u> (XML version 2.3.1)
 <u>Dublin Core format</u> (XML)
 <u>GCMD DIF format</u> (XML version 9.4)
This metadata complies with INSPIRE

A light version of the portal is available for mobile and other limited browsers.

Return to your results or Edit this

The metadata is available for downloading in the following formats:

MEDIN format (CSV)

and <u>GEMINI 2</u> standards. Add your own record <u>here</u>.

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search.

Download

Working fogether to improve access to and stewardship of marine data

data & information network
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Metadata: 2010 NERC Sea Mammal Research Unit. Berwickshire and North Northumberland Grey seal population status

Overview

marine environmental

Abstract: As part of a report to Natural England, the NERC Sea Mammal Research Unit conduct and investigation into the Grey Seal population status of Berwickshire and North Northumberland Coast European Marine Site. The report includes detailed counts of grey seals around various known populations along the site of interest. These totals are compared with previous studies estimate pup production rate and breeding potential for each population.

Data holder: Natural England



Use constraints:

- Accessible under NE and DASSH terms and conditions

Details

Details for the metadata are as follows:

Geographic Extent



The metadata covers the following areas (in the order West, South, East, North): - -4.45°, 55.3291°, -0.412°, 57.874°

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Unique resource identifier (<u>info</u>)	NATENG000221						
Abstract (<u>info</u>)	As part of a report to Natural England, the NERC Sea Mammal Research Unit conduct and investigation into the Grey Seal population status of Berwickshire and North Northumberland Coast European Marine Site. The report includes detailed counts of grey seals around various known populations along the site of interest. These totals are compared with previous studies estimate pup production rate and breeding potential for each population.						
Resource locator (info)	http://www.dassh.ac.uk/MedUsrLog/Logger/?i=NATENG000221						
Keywords (info)	Marine Environmental Data and Information Network, Species distribution, Biodiversity, Seal abundance, Seal						

reproduction, Seal behaviour, Seal mortality

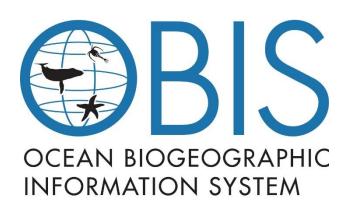
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View or download data as a png / gif; gml; data table

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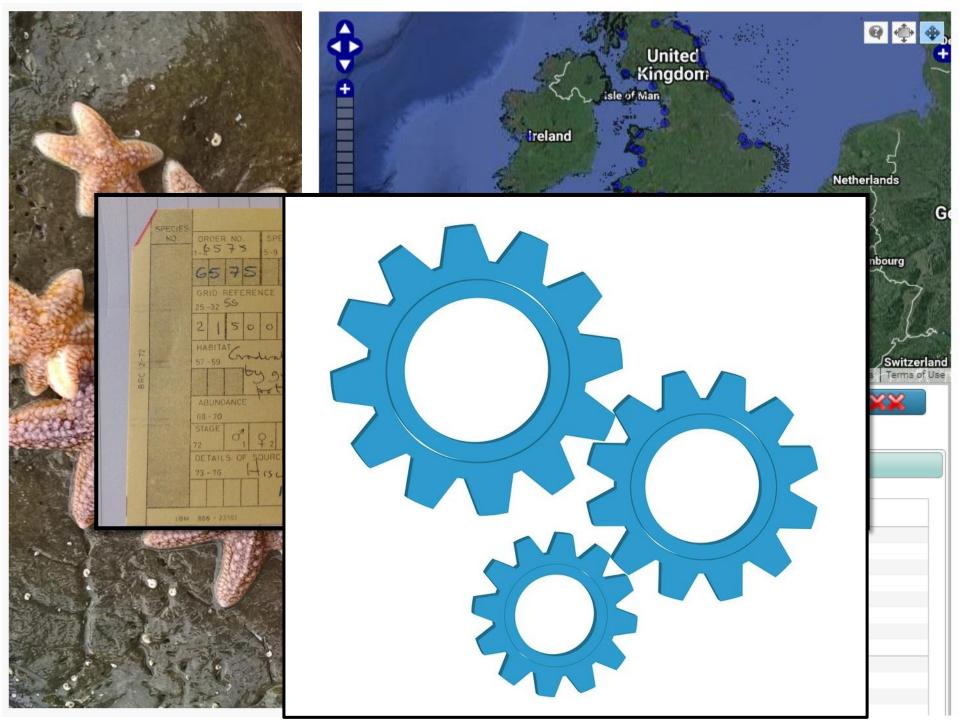


Global Biodiversity Information Facility

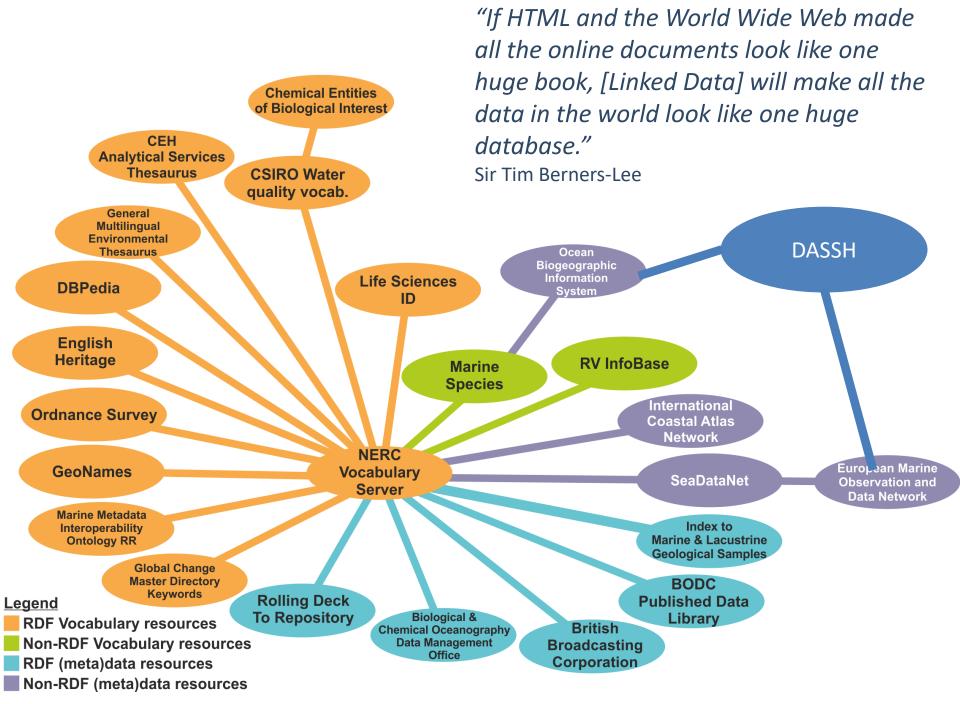
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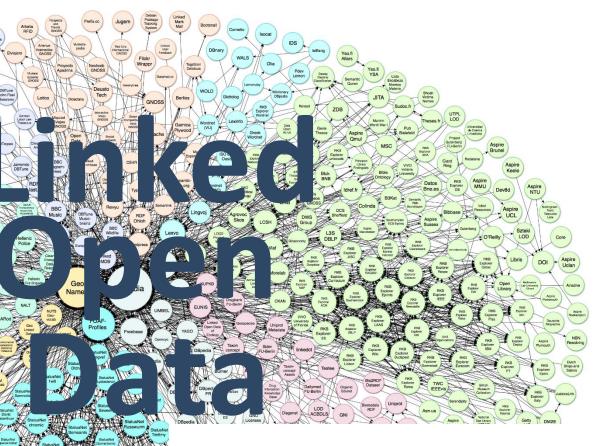
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May be incompatible with existing XML tools. Databases may take up to ten times as much memory and 24 hours to load.

What next?



Semantic Web



dassh.enquiries@mba.ac.uk +44(0)1752 426237

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