SPARQL Micro-services TDWG 2018

This page demonstrates the use of SPARQL micro-services [1] to integrate, within a single SPARQL query, data from the TAXREF-LD Linked Data taxonomic register [2] with photos from Flickr, articles from the Biodiversity Heritage Library, traits from The Encyclopedia of Life trait bank, audio recordings from the Macculey Library, and music tunes from MusicBrainz. The SPARQL results are transformed into HTML using the SPARQL Template Transformation Language [3].

Data gathered about: <u>Delphinapterus leucas</u>





1 sur 5 13/07/2018 à 11:19

Articles from the Biodiversity Heritage Library



Heide-Jorgensen, Mads-Peter

Age and sex distributions in the catches of belugas, Delphinapterus leucas, in West Greenland and in western Russia. Zeitschrift für Säugetierkunde: im Auftrage der Deutschen Gesellschaft für Säugetierkunde e.V. (2001).



Lockyer, Christina

Age and sex distributions in the catches of belugas,
Delphinapterus leucas, in
West Greenland and in
western Russia. Zeitschrift für
Säugetierkunde: im Auftrage
der Deutschen Gesellschaft
für Säugetierkunde e.V.
(2001).



Neuhaus, Walter

Die Bedingungen für das Sehen des Weißwals, Delphinapterus leucas Pall., in Wasser und Luft. Zeitschrift für Säugetierkunde : im Auftrage der Deutschen Gesellschaft für Säugetierkunde e.V. (1985).



Goethe, Friedrich

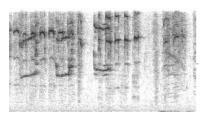
Ein Weißwal, Delphinapterus leucas (Pallas, 1776), im Jadebusen. Bonner zoologische Beiträge: Herausgeber: Zoologisches Forschungsinstitut und Museum Alexander Koenig, Bonn. (1995).

Traits from The Encyclopedia of Life trait bank

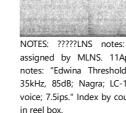
total life span	480	(http://purl.obolibrary.org/obo/UO 0000035)
inter-birth interval	1003.75	(http://purl.obolibrary.org/obo/UO 0000033)
milk solids	41	(http://purl.obolibrary.org/obo/UO 0000187)
milk lipids	26.9	(http://purl.obolibrary.org/obo/UO 0000187)
Ash Content	0.83	
	4249.83	(http://purl.obolibrary.org/obo/UO_0000187)
body length (VT)		(http://purl.obolibrary.org/obo/UO_0000016)
gestation period duration	394.24	(http://purl.obolibrary.org/obo/UO_0000033)
weaning age	689.92	(http://purl.obolibrary.org/obo/UO_0000033)
body mass	1381640.73	(http://purl.obolibrary.org/obo/UO_0000021)
onset of fertility	2104.57	(http://purl.obolibrary.org/obo/UO_0000033)
body mass	57000	(http://purl.obolibrary.org/obo/UO_0000021)
total life span	40	(http://purl.obolibrary.org/obo/UO_0000036)
inter-birth interval	1004	(http://purl.obolibrary.org/obo/UO_0000033)
prenatal development duration	416	(http://purl.obolibrary.org/obo/UO_0000033)
litters per year	0.3	(http://ncicb.nci.nih.gov/xml/owl
		/EVS/Thesaurus.owl#C74924)
body temperature	308.95	(http://purl.obolibrary.org/obo/UO_0000012)
weight	66000	(http://purl.obolibrary.org/obo/UO_0000021)
weaning age	679	(http://purl.obolibrary.org/obo/UO_0000033)
onset of fertility	2283	(http://purl.obolibrary.org/obo/UO_0000033)
onset of fertility	1644	(http://purl.obolibrary.org/obo/UO_0000033)
weight	1.43e+06	(http://purl.obolibrary.org/obo/UO_0000021)
water temperature	14.365	(http://purl.obolibrary.org/obo/UO_0000027)
water temperature	7.367	(http://purl.obolibrary.org/obo/UO_0000027)
water silicate concentration	3.312	(http://purl.obolibrary.org/obo/UO 0000064)

2 sur 5 13/07/2018 à 11:19

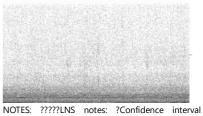
Audio recordings from Macculey Library



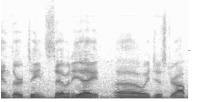
NOTES: ?????LNS notes: ?Confidence interval assigned by MLNS. 11Apr2006MLM. Reel box notes: "Good baby sounds at 880-960. 5:30pm.".



NOTES: ?????LNS notes: ?Confidence interval assigned by MLNS. 11Apr2006MLM. Reel box notes: "Edwina Threshold Experiment; 4/15/77; 35kHz, 85dB; Nagra; LC-10; ch.1- DATA, Ch.2 voice; 7.5ips." Index by counter numbers included



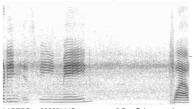
assigned by MLNS. 11Apr2006MLM. Reel box notes: "Sea World July 26, 1977; Belugas; all systems on; Nagra; LC-10- amplifier." Edwina and Kojack. Index by counter numbers included inside reel box. Other Behaviors: Squeals.



NOTES: ?????LNS notes: ?Confidence interval assigned by MLNS. 11Apr2006MLM. Reel box notes: "10-13-78. 2:16 to 2:45PM. NMFS plane ride. Original. Beluga whales". SEAOCEAN.



NOTES: ?????LNS notes: ?Confidence interval assigned by MLNS. 11Apr2006MLM. Reel box notes: "Beluga, Vancouver, Aug 1974." Beluga birth; three distinct vocalizations. See letter in reel



NOTES: ?????LNS notes: ?Confidence interval assigned by MLNS. LC-10 Sonobuoy. 11Apr2006MLM. Reel box notes: "Belinda; 15ips; Nagra; LC-10; made while removing Belinda from tank. All systems on. Good tape." Includes index by counter numbers in reel box.

13/07/2018 à 11:19 3 sur 5

Raw triples.

Subject: http://taxref.mnhn.fr/lod/taxon/60932/10.0

	1 / / 1 / / DOOF 14 / 1 / / / 1 / 2700000
http://purl.org/dc/terms/relation	http://eol.org/pages/328541/data#data_point_42780023
http://purl.org/dc/terms/relation http://purl.org/dc/terms/relation	http://eol.org/pages/328541/data#data_point_42779735 http://eol.org/pages/328541/data#data_point_42779448
http://purl.org/dc/terms/relation	http://eol.org/pages/328541/data#data_point_42779123
http://purl.org/dc/terms/relation	http://eol.org/pages/328541/data#data_point_42778802
http://purl.org/dc/terms/relation	http://eol.org/pages/328541/data#data_point_42778542
http://purl.org/dc/terms/relation	http://eol.org/pages/328541/data#data_point_42778288
http://purl.org/dc/terms/relation	http://eol.org/pages/328541/data#data_point_42783000
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http://schema.org/audio	http://sms.i3s.unice.fr/ld/macaulaylibrary/audio/id/128269
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http://schema.org/subjectOf	https://musicbrainz.org/work/2190d305-56e7-3877-8e58-e402f00b3
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http://schema.org/subjectOf http://schema.org/subjectOf http://www.w3.org/1999/02/22-rdf-syntax-ns#type	https://musicbrainz.org/work/43b87cdf-1006-4c98-93fe-c19721d2dchttp://www.w3.org/2002/07/owl#Class

4 sur 5 13/07/2018 à 11:19

5 sur 5