

SMASS Database

A very brief and very quick overview



SMASS
Scottish Marine Animal
Stranding Scheme



University
of Glasgow

SMASS Data – the story so far

- Strandings in Scotland since 1992
- Baseline + Necropsy Data entry into UK wide CSIP
 - Plus some extras
- Separation of schemes requirement for database development
 - Glasgow University Software Services (GUSS)
- Development & user journey
 - Considerations for discussions later this morning

- Opportunistic surveillance

- Phone
- WhatsApp/Text
- Email
- Social media (Facebook/Twitter)
- Beachtrack App



- Triage

- Subset necropsy
- Sample/measured by trained volunteers
- Data point – no action



- Minimum; what, where, when

- Photographs!!

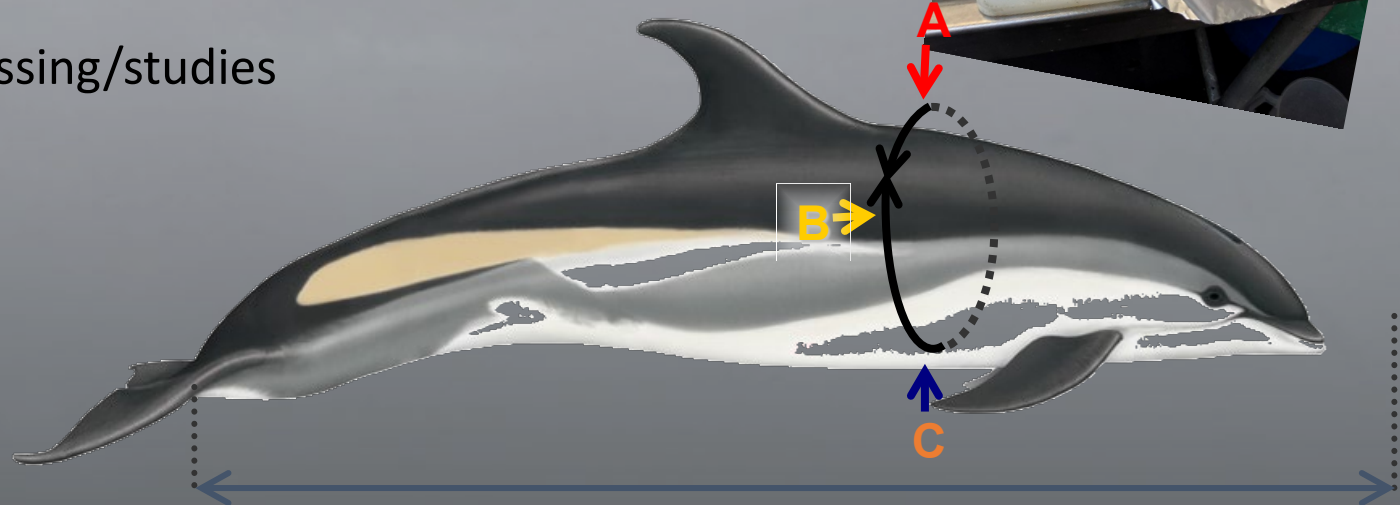
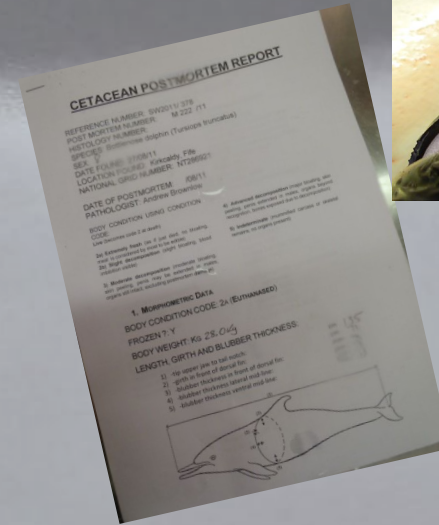
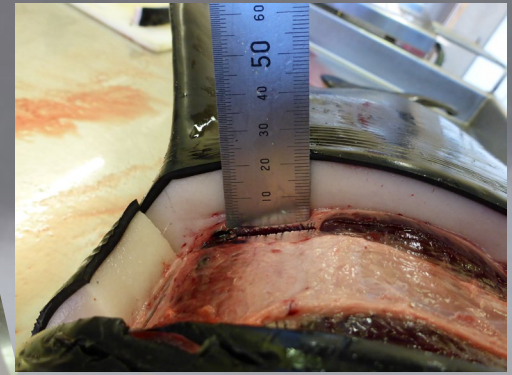
- Maximise information

- Sex, measurements, etc - photographs
- Volunteer network



Necropsy & Sampled cases

- Generates additional data + samples
 - Nutritional condition & blubber thickness
 - Morphometric data (weight, length, girth)
 - Gross pathology on all organ systems
- Samples
 - Cause of death (histo & bact)
 - Life history (age&maturity, stomach contents)
 - Specific research projects
 - Routine suite of tissues for later processing/studies



-

The image displays the SMASS (Scottish Marine Animal Stranding and Monitoring Scheme) Database interface. The main component is a large table with columns for various data points, including Date, Location, Species, Sex, Length, Weight, and various health and examination metrics. The table is currently filtered to show records from 1925 to 1929.

Overlaid on the right side of the table is a form titled "Add New Entry". This form includes fields for:

- Status:** National Reference Number, Species, Location, Date Found, Local authority.
- Basic Information:** Verified (Yes/No), Ancillary Test Data, Reporter Details.
- Attached Images:** A section for adding and viewing images.
- Save and Exit buttons:** At the bottom of the form.

The table data includes columns such as Date, Location, Species, Sex, Length, Weight, and various health and examination metrics. The table is currently filtered to show records from 1925 to 1929.

[illegible][illegible]

European Database



- Ecologically relevant scale
- Timely identification of UME's
 - Threats and pressures
- Support harmonisation of data collection
- Promote collaboration



Contents lists available at [ScienceDirect](#)

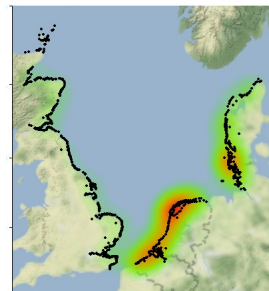
Biological Conservation

journal homepage: www.elsevier.com/locate/biocon



Spatiotemporal mortality and demographic trends in a small cetacean: Strandings to inform conservation management

Lonneke L. IJsseldijk^{a,*,1}, Mariel T.I. ten Doeschate^{a,b,1}, Andrew Brownlow^b, Nicholas J. Davison^b, Rob Deaville^c, Anders Galatius^d, Anita Gilles^e, Jan Haelters^f, Paul D. Jepson^c, Guido O. Keijl^g, Carl Chr. Kinze^h, Morten Tange Olsenⁱ, Ursula Siebert^e, Charlotte Bie Thøstesen^j, Jan van den Broek^k, Andrea Gröne^a, Hans Heesterbeek^k



RESEARCH ARTICLE

Beached bachelors: An extensive study on the largest recorded sperm whale *Physeter macrocephalus* mortality event in the North Sea

Lonneke L. IJsseldijk^{1,*}, Abbo van Neer², Rob Deaville³, Lineke Begeman⁴, Marco van de Bildt⁴, Judith M. A. van den Brand^{1,4}, Andrew Brownlow⁵, Richard Czeck⁶, Willy Dabin⁷, Mariel ten Doeschate⁵, Vanessa Herder⁸, Helena Herr^{2a}, Jooske IJzer¹, Thierry Jauniaux⁹, Lasse Fast Jensen¹⁰, Paul D. Jepson³, Wendy Karen Jo¹¹, Jan Lakemeyer², Kristina Lehnert², Mardik F. Leopold¹², Albert Osterhaus¹¹, Matthew W. Perkins³, Uwe Piatkowski¹³, Ellen Prenger-Berninghoff¹⁴, Ralf Pund¹⁵, Peter Wohlsein⁸, Andrea Gröne¹, Ursula Siebert^{2*}

SCIENTIFIC REPORTS

PCB pollution continues to impact populations of orcas and other dolphins in European waters

Paul D. Jepson¹, Rob Deaville¹, Jonathan L. Barber², Àlex Aguilar³, Asunción Borrell³, Sinéad Murphy¹, Jon Barry², Andrew Brownlow⁴, James Barnett⁵, Simon Berrow⁶, Andrew A. Cunningham¹, Nicholas J. Davison⁴, Mariel ten Doeschate⁴, Ruth Esteban⁷, Marisa Ferreira⁸, Andrew D. Foote⁹, Tilen Genov^{10,11,12}, Joan Giménez¹³, Jan Loveridge¹⁴, Ángela Llavona¹⁵, Vidal Martín¹⁶, David L. Maxwell², Alexandra Papachlimitzou², Rod Penrose¹⁷, Matthew W. Perkins¹, Brian Smith¹⁸, Renaud de Stephanis¹³, Nick Tregenza¹⁴, Philippe Verborgh⁷, Antonio Fernandez¹⁹ & Robin J. Law^{1,2}

Thank you.



SMASS
Scottish Marine Animal
Stranding Scheme



University
of Glasgow