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AGE DYNAMICS



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Who is Age Dynamics?

Age Dynamics is a small new company established in January 2003 by Dr Christina Lockyer (see short biography overleaf). The aim of the company is to provide expert advice and practical research services in estimating biological parameters of mammals, especially marine mammals. A full service focusing on age determination is available, comprising tissue preparation, age determination and reporting, depending on requirements.

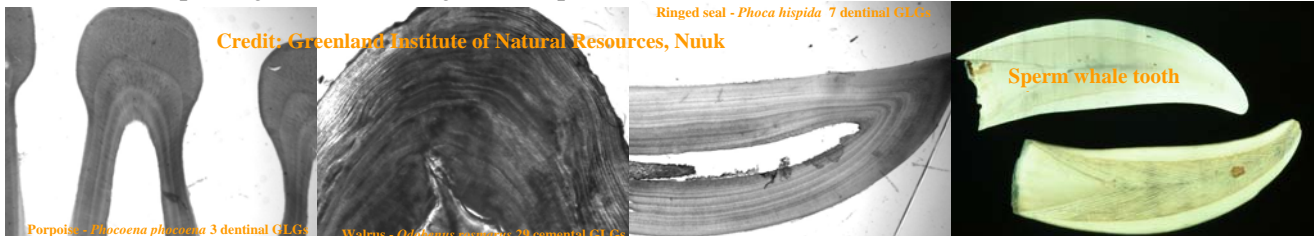
Services

Examples of services include Growth Layer Group (GLG) analysis of whale ear plugs, tooth dentine and cementum, and other hard tissues e.g. bone. Digital photographic records of preparations can also be made and delivered on CD if requested. This is especially useful for clients who wish to freely circulate GLG images of samples worldwide to colleagues without the need for CITES permit application each time. Examination of reproductive material such as ovaries for the determination of pregnancy/ ovulation history is also possible.

The company can provide a variety of services from straightforward age determination of single samples e.g. individual animals held in captivity, to very large numbers of samples collected in field studies or culls e.g. by-catches, strandings, experimental studies.

Reference material

Age Dynamics currently holds tooth GLG examples from a wide variety of species including large whales, dolphins and porpoises to seal species – including some rare species, walrus, polar bear and some terrestrial mammals e.g. reindeer. An important goal of the company is to archive ontogenetic series of species examples as a reference set for teaching. The ultimate goal is to prepare a reference manual with photographic examples of GLG samples from different species. I would be pleased to hear from you should you be interested in co-operating in or contributing to this important task.



Teaching

With respect to teaching, Age Dynamics is also able to offer workshops and teaching courses – either at the home laboratory or at other laboratories in universities or institutions. These can be customised for single one-to-one teaching of staff or for small groups of up to a maximum of 10 individuals such as students. The company is currently well-equipped with a cutting saw, microtomes, microscope and digital cameras with computerised projection.



Contact

Please feel free to contact me with your query. I can provide you with a list of services, prices and individual quotation. I am also available to consider other collaborations that involve biological parameters, and can also offer independent English language editing of scientific papers and reports.

Short biography

Dr Christina Lockyer (née Grzegorzewska), born 10th April 1947, is British, and was educated in England: B.Sc. (Hons), Biology -1968 at the University of East Anglia, M.Phil., Zoology - 1972 at the University of London, and Sc.D., Zoology - 1989 at the University of East Anglia. She had been employed as a senior scientist at the Department of Marine Ecology and Aquaculture at the Danish Institute for Fisheries Research between April 1996 and January 2003 when she launched her own firm Age Dynamics investigating age determination and life history research in mammals in Denmark.

Prior to relocation in Denmark, she was employed by the Natural Environment Research Council in the United Kingdom between 1968 and 1996 and since 1977 at their Sea Mammal Research Unit in Cambridge, England. Her research encompasses population biology, behaviour and ecosystem energetics of large and small whales, and she has a total refereed scientific publications record exceeding 100 papers.

Externally funded work includes visits to Far Seas Fisheries Research Laboratory, Shimizu, Japan for 3 months 1977, and NOAA Southwest Fisheries Science Center and Sea World Research Institute in San Diego, USA for 3 years 1988-1990. She has been regularly involved in advisory committees to the International Whaling Commission (IWC), ICES and the Agreement on Conservation of Small Cetaceans of the Baltic and North Seas (ASCOBANS) of which she was secretary between 1992 and 1996, and the North Atlantic Marine Mammal Commission (NAMMCO). She was, until recently, chairman of the European Cetacean Society with a membership of about 500 scientists, for 5 years. She has more recently been involved as international co-ordinator of the EU-funded EPIC (Project DGXIV 97/0006) and earlier in BYCARE (EU FAIR contract CT05-0523).

Currently, in conjunction with Age Dynamics, she runs international practical courses on marine mammal life history in universities and research institutions, and acts as consultant to the European Commission and various international organisations. In March 2005, Age Dynamics established a second operating base, in collaboration with the Norwegian Polar Institute based at the Polar Environmental Centre in Tromsø, Norway.

All communications presently should be addressed to Norway - address given below.

**CUT OUT AND KEEP THE CARD
BELOW FOR FUTURE
REFERENCE -**



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