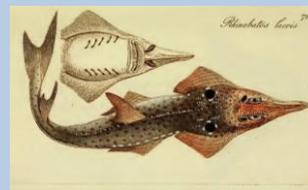




www.shark-references.com



A Database of Bibliography

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Introduction:

[Shark-References](#) is an on-line data base that contains scientific bibliography on recent and fossil sharks, skates, rays and chimaeras (cartilaginous fishes (Chondrichthyes)). The data base started in June 2009 with a data inventory of about 1,000 scientific quotations. Since then, it has expanded continuously, and holds today more than 13,500 data inputs. At the beginning, the concept intended a scientific bibliography only, but in the meantime the provided information has also extended to other thematic areas. Here some of the programme modules of the data base are introduced:

Bibliography:

Besides the standard biographical information, e.g. author, year of publication, title, location, DOI, abstract, the bibliography additionally offers keywords, such as "time", "place", "names of species" and "synonyms".

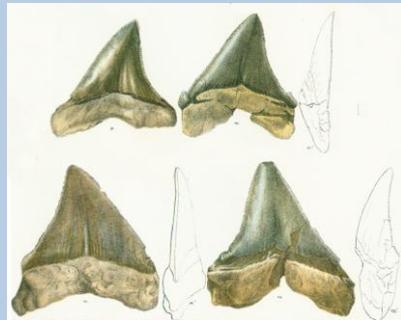


Species descriptions:

The species description provides the user with all available information on particular species. Besides data of first descriptions (also for synonyms) type information is also comprised. The linked type data base holds more than 3,500 types entries with detailed information such as age, sex, place of first record, geographic coordinates.

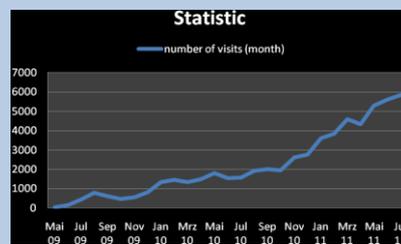
Digital versions of first descriptions:

The menu item "bibliography – first description" contains numerous digitalized first descriptions of fossil species. Among others, historic publications are featured (e.g. Louis Agassiz, Recherches sur les poissons fossiles. Volume 3, 1843).



Number of users:

The number of visits has increased continuously since the beginning. Starting with 160 visits per month in June 2009, almost 2,700 visitors used the data base in December 2010. In June 2011, for the first time, more than 5,000 visitors used the website.



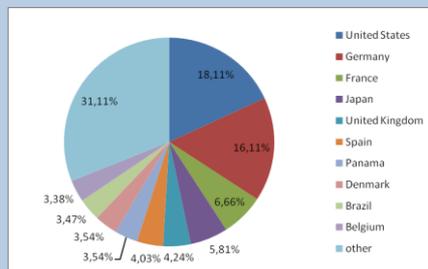
Type data base:

Information on particular types of first descriptions (holotypes, paratypes, etc.) either originates from first descriptions directly or comes from the type data base (Menu: Type data base). This data base lists all types with more than 5,700 entries and links to the collection locations. More information is provided by a click onto the info symbol. Since recently, species information and site of first record of more than 2,800 types are shown in a Google-map.



Statistics and development of geographic use:

Currently the website is regularly used by users from about 80 countries. The emphasis of geographic distribution is in Europe and North America. The "top ten" countries from January to July 2011 are shown in the graph.



How you can help:

[Shark-References](#) would kindly like to ask you for your contribution to this project. Users can participate in many ways:

- Please send us missing references.
- Send us your publications that are not incorporated so far (which is indicated by the missing info symbol at the quotation).
- Pictures of sharks, skates, rays and chimaeras are needed. Credits will be given to appropriately.
- If you notice mistakes, incomplete links or you have access problems please let us know.
- If you have information for the monthly newsletter? Please send an email.
- Subscribe to the monthly newsletter or visit www.shark-references.com on facebook regularly and tell your friends.
- If you have wishes, suggestions and corrections – let us know.

Acknowledgements:

I would like to thank my software engineer and web administrator, my son Philipp Friedenberger, for all his work. Without him this project would not have been possible in extent. Also thanks to all partners who helped with this project in many ways.