Statistics of Ichthyology (P 48)

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A recent version of the database underlying Eschmeyer's (Editor) 'Catalog of Fishes' was used to derive various statistics about the description of new fish species. The poster will present the following information: graphs with description of new fish genera and species over time; graphs with cumulative numbers of genera and species over time, indicating continuing discovery of about 250 new species per year; Top 100 list of species per author; Top 100 list of publications with new species per author; an estimate of the number of currently known fish species; and an estimate of the total global number of fish species, including those yet to be discovered.

Genetic catalogue of teleosts and biological reference collections at the Canary Islands (P 49)

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This study, financed by Spanish-FEDER funds (1FD97-1235-C04 MAR) (2000-2001), has been designed to achieve a critical mass of biological materials, genetic information and human resources by interaction of researchers belonging to different fields (taxonomists, molecular biologists, curators and database managing experts). The aim is to compile all necessary data for the development of an online database containing the genetic catalogue of Canarian marine teleosts. In addition, biological reference collections emerging form the specific sampling will serve as indisputable research resources for the identification of fish species to guarantee their source and authenticity.

The catalogue is settled on the following objectives and colaborative tasks:
Collection of specimens for taxonomic and genetic identification, as well as to select biological materials to create reference collections.
Genetic characterisation of the most important species (approx. 50). Genetic study is involving the determination of the nucleotide sequence of a nuclear (rhodopsine) and a mitochondrial (cytochrome b) gene for each species.
Establishment and long-term maintainance of biological reference collections (voucher specimens, DNA samples, tissues and otoliths).
Elaboration of an online database containing taxonomic, biological, ecological, socio-economic, genetic, reference-collection, and bibliographic information of the teleost species.