

Olivier ROUX

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born 08 Feb. 1971

married, 1 child.

Aquaculture, Fisheries, Environment – Information Technologies

Graduated from E.N.S.A. Toulouse - Agronomist specialised in Ichthyology (1992)

MD in Marine Biology from Université d'Aix-Marseille II (1994)

Professional skills

Aquaculture – Intensive and semi-intensive rearing of seabass and tropical shrimps. Study and optimisation of larval phases. Quantitative genetics applied to enhancement of production strains.

Fisheries – Sampling, study of life cycles, ethology, modelisation of growth and recruitment.

Ecology & environment – Evaluation of environment state (terrain studies, pollution sources, ecological balance). Proposal of actions and realisation of management plans.

Statistics and data processing – Elaboration and application of experimentation and sampling plans. Processing, analysis and interpretation of results.

Information technologies – Gathering and rationalisation of user requirements, system conception. Design and construction of commercial Database Management Systems (DBMS), Web Sites and Content Management Systems. Knowledge of XHTML+CSS, XML+XSL, JSP, PHP and SQL. Configuration and management of networks and web servers. Advanced use of office, DTP and digital imaging software. Windows, MacOS and UNIX environments.

Scuba diving – CMAS level 3 (equivalent to PADI's divemaster).

Languages - French: native; English: fluent; German and Italian: intermediate; Spanish and Japanese: beginner.

Experience

2006: Creation of otolithe (www.otolithe.com)

- otolithe provides custom solutions for Fisheries Management Organisations and other stakeholders, taking advantage of both our knowledge of fisheries issues and our experience in information processing and dissemination.
- otolithe's core activities are design, creation and maintenance of websites and content management systems, as well as fisheries data solutions. We also provide training and translation services in the fisheries field.

2002-2005: Technical Editor/translator, web developer and IT officer for the Indian Ocean Tuna Commission (FAO) - Victoria, Seychelles

- Editing and translation (English-French) of IOTC documents and publications.
- Conception, design, building and management of the IOTC website (php+mySQL): <http://www.iotc.org>.
- Design, implementation and maintenance of databases and web applications for the diffusion of the Commission's information and statistics: Authorized Vessel Record, Statistical Document Validation database (confidential, restricted access), Document repository, Resolution database.

1999-2002: Officer with the Food and Agriculture Organisation of the United Nations (FAO) - Rome, Italy

Assistant Project Manager for the conception and implementation of the Fisheries Global Information System (FIGIS) of the FAO (<http://www.fao.org/fi/figis>).

- Gathering and rationalisation of internal and external users.
- Data model, functions and user interface ; implementation and management of the Internet application and website ; management of the testing process.
- Training of partners' staff to the methodologies and techniques used in the project.

1998-1999: Database engineer (AGRISYS) - France

Development of commercial DBMS targeting agricultural cooperatives and medium-scale businesses (L4G language, UNIX environment.)

1997-1998: Consultant (Conseil Supérieur de la Pêche, Ministry of Environment) - France

In charge of the elaboration of the *Departmental Plan for the Protection of Aquatic Environment and Fisheries Resources (PDPG)* in the region of Aisne (North.)

- Evaluation of the status of the rivers managed by the department: inventory of aquatic populations, evaluation of pollutants and their impacts;
- Proposal of action plans based on concrete goals in terms of ecology and users' satisfaction;
- Elaboration of a patrimonial management policy.

1995-1996: Biologist (IFREMER/COP) - Tahiti, French Polynesia.

Laboratory of Quantitative Genetics applied to penaeid shrimp rearing.

- Design and implementation of an experimentation programme on enhancement of production strains;
- Gathering, analysis and interpretation of results;
- Management of a team of three technicians.

1994: Halieutics study (IRD/ORSTOM) - La Réunion island.

Study of the biological cycle and catches of small pelagic (*Selar crumenophthalmus* or bigeye scad) of first importance on the local market. Collaboration with IFREMER and the Université de La Réunion. Publication of results: "Feeding habits of the bigeye scad, *Selar crumenophthalmus* (Carangidae), in La Reunion Island waters (South-Western Indian Ocean) - Cybium. Paris [Cybium], vol. 24, no. 2, pp. 173-179, 2000" and "Notes on the biology of the Bigeye scad, *Selar crumenophthalmus* (Carangidae) around Reunion Island, southwest Indian Ocean - Scientia Marina 71(1), pp. 137-144, 2007". Publications available in electronic format on <http://www.oroux.com>.

1993: Experimental Aquaculture (IFREMER/GIE-RA) - France.

Elaboration and full-scale testing of feeding sequences for the larval rearing of seabass (IFREMER's Aquaculture and Research programme.)

Personal background

Personal interests : Photography, travelling, scuba diving (CMAS level 3), Internet and computers.