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PhD Student in Fisheries Sciences

Training periods

2004 - present PhD project Dr. P. Petitgas Prof. S.A.L.M. Kooijman	Department of Ecology and Models for Fisheries Science French Institute of Research for the Exploitation of the Sea (IFREMER) Nantes, France Project: Coupling anchovy growth and reproduction to the lower trophic levels in the Bay of Biscay Keywords: Dynamic Energy Budget (DEB) theory, multiple-batch spawning, otolith growth, biogeochemical model, 3D hydrodynamic model, Co-supervision with P. Petitgas of a Master 1 student on anchovy stomach contents
May - Nov. 2002 Graduation project Dr. P. Fréon	ECO-UP, Structure and functioning of exploited upwelling ecosystems Institute of Research for Development (IRD) Cape Town, South Africa Project: Quantification and representation of potential spatial interactions between fish species in the Southern Benguela ecosystem Keywords: GIS, fisheries and surveys data analysis
May - Aug. 2001 P. Parravano	Pacific Coast Federation of Fishermen Associations (PCFFA) San Francisco, USA Project: The Chinook salmon fishery in California. Keywords: sea experience, conference organization, contacts with fishermen,
Dec. 2000 - Mar. 2001 P. Abate	National Federation of Artisanal and Small Scale Fishermen (NFASSFA) Mar del Plata, Argentina Project: Comparison of two small-scale fisheries in Mar del Plata and Puerto Madryn, Argentina Keywords: sea experience, collaboration between fishermen and scientists

Education

Sept. 2001 - Dec. 2002	Diplôme d'Agronomie Approfondie, spécialisation Halieutique, Agrocampus Rennes Equivalent to a Master Degree in Fisheries Science
Sept. 1998 - Sept. 2001	Diplôme d'Agronomie Générale, Agrocampus Rennes Equivalent to a four-years university degree in Agricultural Sciences
Sept. 1996 - June 1998	Classes Préparatoires aux Grandes Ecoles, Lycée St Louis, Paris Equivalent to a two-years university degree specialized in biology, chemistry, physics and mathematics

Computer Skills

General	Unix & Windows environments, LaTeX
Modelling	Matlab, Fortran
Statistics	R
Databases	Access
GIS	Arcview

Languages

French	mother tongue
English	fluent (4 months, USA - 7 months, South Africa)
Spanish	fluent (4 months, Argentina)
German	moderate (Zertifikat Deutsch, 255/300)

Publications and Communications

Drapeau, L., Pecquerie, L., Fréon, P. and Shannon, L.J., 2004. Quantification and representation of potential spatial interactions in the Southern Benguela ecosystem. *African Journal of Marine Science*, 26: 141-159.

Pecquerie, L., Drapeau, L., Fréon, P., Coetzee, J.C., Leslie, R.W. and Griffiths, M.H., 2004. Distribution patterns of key fish species of the Southern Benguela ecosystem: an approach combining fishery-dependent and fishery-independent data. *African Journal of Marine Science*, 26 : 115-139.

Pecquerie, L., Huret, M., Petitgas, P. and Menesguen, A., 2004. Use of coupled circulation and ecosystem NPZ models to characterise food conditions of anchovy in the Bay of Biscay. *ICES CM, 2004/P:33*. 16 pp.

Pecquerie, L., Petitgas, P., Huret, M. and Menesguen, A., 2005. Modelling anchovy growth according to environmental conditions. *ICES CM, 2005/O:21*. 13 pp.

Kooijman S.A.L.M., Sousa T., Pecquerie L., van der Meer J. and Jager T. (Subm.). The estimation of Dynamic Energy Budget parameters a practical guide. *Functional Ecology*

Pecquerie L., Petitgas P., Grellier P. and Kooijman S.A.L.M. (In prep). Environmental effect on von Bertalanffy parameters: the use of bioenergetics to model anchovy growth. *Canadian Journal of Fisheries and Aquatic Sciences*

Pecquerie L., Petitgas P. et Kooijman S.A.L.M. (In prep). Understanding the effect of seasonal forcing on the reproduction pattern of a multiple-batch spawner with indeterminate fecundity: the Bay of Biscay anchovy. *Marine Ecology Progress Series*

Interests and Extra-curricular activities

Kayaking, hiking

Sailing teacher at the Sailing School "Les Glénans", Brittany (Fr)

Driver Licence, Boat Licence, First Aid certificate