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Oscar Garcia

Personal Data	Oscar Pablo Garcia (García Vidal)
	Work: UNBC, Prince George, British Columbia, Canada
	Residence: Cochoa, Viña del Mar, Chile
	Birth: 26 August 1945, Viña del Mar, Chile
	Citizenship: New Zealand, Spain, Chile, Canada

Higher Education

1974 - 1976	University of Georgia	Athens, Ga., USA
Ph. D. (Forest Resources)		

1971 - 1972	CIENES / University of Chile	Santiago, Chile
M. Sc. (Mathematical Statistics & Operations Research)		

1963 - 1968	University of Chile	Santiago, Chile
Ingeniero Forestal		

Professional experience

Since 2000 — University of Northern British Columbia
Prince George, BC, Canada
Full Professor, Endowed Chair in Forest Growth and Yield

1998 - 2000 — Xunta de Galicia, and University of
Santiago de Compostela
Lourizán, Pontevedra, Spain
Researcher, Consultant

1997 - 1998 — Universidad Politécnica de Madrid
Madrid, Spain
Guest Professor

1996 - 1997 — Royal Agricultural and Veterinary University
Frederiksberg, Denmark
Gasteprofessor, Forkningsprofessor

1995 - 1996 — E.N.G.R.E.F.
Nancy, France
Visiting Professor of Forest Biometrics

1993 - 1995 — Universidad Austral de Chile
Valdivia, Chile
Full Professor and Chair, Forest Mensuration

1992 - 1995 — FONDEF/INFOR Eucalypt Modelling Project

Santiago & Valdivia, Chile

Technical Director

1976 - 1992   Forest Research Institute
                        Rotorua, New Zealand

Scientist

1974 - 1976   University of Georgia
                        Athens, Georgia, USA

Graduate Research Assistant

1968 - 1974   Instituto Forestal
                        Santiago, Chile

Researcher, Head of Forest Management Section (1972-1974), Head of Computing and Statistics Section (1973-1974)

Recent publications   *Siplab, a spatial individual-based plant modelling system.* **Computational Ecology and Software 4**(4): 215-222. 2014.

Can plasticity make spatial structure irrelevant in individual-tree models?. **Forest Ecosystems** 2014,**1**:16.

A generic approach to spatial individual-based modelling and simulation of plant communities. **Mathematical and Computational Forestry and Nat.-Res. Sci. 6**(1), 36-47. 2014.

Developing a dynamic growth model for teak plantations in India (by V.P. Tewari, J.G. Álvarez-González and O. García). **Forest Ecosystems 1**:9. 2014.

A site index model for lodgepole pine in British Columbia (by A. Batho and O. García)*.* **Forest Science 60**(5), 982-987. 2014.

Forest Stands as Dynamical Systems: An Introduction. **Modern Applied Science 7**(5), 32-38. 2013.

Building a dynamic growth model for trembling aspen in Western Canada without age data. **Canadian Journal of Forest Research 43**(3), 256-265. 2013.

Self thinning limits in two and three dimensions. **Mathematical and Computational Forestry and Nat.-Res. Sci. 4**(2), 66-72. 2012.

A biologically-consistent stand growth model for loblolly pine in the Piedmont physiographic region, USA (by O. García, H.E. Burkhart and R.L. Amateis)*.* **Forest Ecology and Management 262**(11), 2035–2041. 2011.

Dynamical implications of the variability representation in site-index modelling. **European Journal of Forest Research 130**(4), 671-675. 2011.

A parsimonious dynamic stand model for interior spruce in British Columbia. **Forest Science 57**(4), 265-280. 2011.

Models and limits to predictability. Natural Resources and Environmental Studies Institute Occasional Paper No. 6, University of Northern British Columbia, Prince George, B.C., Canada. 2010.

A height-growth and site-index model for interior spruce in the Sub-Boreal Spruce biogeoclimatic zone of British Columbia (by Z. Hu and O. García). **Canadian Journal of Forest Research 40**(6), 1175–1183. 2010.

(Full list at *http://web.unbc.ca/~garcia/publ/publs.htm*)

UNBC Teaching

FSTY 405 *Forest Growth and Yield*. NRES 789 *Advanced Forest Mensuration*. NRES 710 *Modelling and Simulation*. NRES 798 *Statistical Methods for Ecologists*. Supervision of graduate students.

Otherl professional activities

Sabbaticals: Visiting Professor at the Department of Applied Mathematics, Fac. de Informática, Universidad Politécnica de Madrid, May–June 2007. Visiting Professor at Universidad de Castilla-La Mancha, Albacete, Spain, February–April 2007. Visiting Scholar at Virginia Tech, Blacksburg, VA, USA, July–December 2006. Visiting Researcher at the Department of Agroforestry Sciences, Universidad de Huelva, Spain, September–October 2010. Visiting Professor at the School of Forestry and Environmental Sciences, Universidad de Los Andes, Mérida, Venezuela, October–November 2010. Invited Researcher at the Complex Engineering Systems Institute , University of Chile, December 2010.

Coordinator of the IUFRO group 4.01.05 "Process-based Models for Predicting Forest Growth and Timber Quality". Ex-Chairman of the IUFRO group 4.04.06 "Planning and Economics of Fast-growing Plantation Forests", 1990-2000.

Member of the editorial board of *Forest Biometry, Modelling, and Information Science* (UK)*, Mathematical and Computational Forestry and Natural Resource Science* (USA), *Spanish Journal of Regional Development, Forest Ecosystems (China)* Ex-member of the editorial boards of *Forest Ecology and Management*, *Investigación Agraria: Sistemas y Recursos Forestales* (Spain), and *Bosque* (Chile).

Associate Editor for the *Canadian Journal of Forestry Research*, 1993-1998.

Member of the British Columbia Forest Productivity Council.

Member of the Board of the Aleza Lake Research Forest Society

Consultant to the National Forest Simulation Program, Chile, July 2012. Consultant to the Cumulative Environmental Management Association, Alberta, Canada, January 2011. Consultant in modelling and planning for the Empresa Nacional de Celulosas (ENCE), Spain, 1997-1998. Course/Seminar for company executives "Introduction to Management Models in the Forestry Enterprise", Universidad Mayor, Santiago, Chile,1993. Consultant on forest stand modelling to the Forestry Department of Fundación Chile, Santiago, Chile, 1990. Consultant to FAO (United Nations), lecturing in Forest Economics and providing technical assistance, Eduardo Mondlane University, Mozambique, 1987.

Nominated as "Research Pioneer'" in the Production Forestry category for the New Zealand Forest Research Institute 50th Jubilee Awards,1997.

Nominated for the IUFRO Scientific Achievement Award, 1986.

Invited lectures: Universidad de Concepción, Chile, 2012. Universidad de Los Andes, Mérida, Venezuela, 2010. Universidad de Huelva, Spain, 2010. Universidad de Santiago de Compostela, Spain, 2010. Virginia Tech, USA, 2006. North Carolina State University, USA, 2006. Universidad do Alto Duoro e Tras-os-Montes, Portugal, 2002. Universidad de Castilla-La Mancha, U. de Valladolid, and U. de Santiago de Compostela, Spain, 1997-1998. Escuela de Ingenieros de Montes, and Facultad de Informática, U. Politécnica de Madrid, Spain, 1993. Universities of Tokyo, Utsunomiya, and Mie. Japan, 1991.

External Examiner for PhD students in Canada, New Zealand, Denmark, Australia and Ireland.

Keynote speaker at numerous conferences. Substantial proffessionally-related travel in New Zealand, U.S.A., Australia, Japan, Sweden, Greece, Chile, Spain, Portugal, Korea, South Africa, Finland, France, Germany, Austria, Denmark, Indonesia, China.

Languages   Fluent in English and Spanish. Reads French, Portuguese, Italian.

November 2014