

CURRICULUM VITAE

PAOLO CHERUBINI

Senior

Research Scientist

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Birth Pisa, Italy, 29 October 1964.

Education Ph.D. in Botany, Universität Basel (Switzerland), 1996.
Thesis Advisor: Fritz H. Schweingruber
Degree in Forest Sciences, Università di Firenze (Italy), 1989.

Professional Experience

Senior Research Scientist, Swiss Federal Institute for Forest, Snow and Landscape Research WSL, Birmensdorf (Zurich, Switzerland), 1996-present

Adjunct Research Scientist, Lamont-Doherty Earth Observatory, Columbia University, Palisades, New York N.Y. 10964, U.S.A. 2002-present

Lecturer, Department of Geography, Universität Zürich, 2006-present

Editor in Chief, *Dendrochronologia*, 2003-present.

Associate Editor, *Tree-Ring Research*, 2002-present

Editor, *Forest@*, 2004-present

Associate Editor, *Dendrochronologia*, 2002-2003.

Member of Editorial Board, *Dendrochronologia*, 2000-2002

Member of Advisory Board, *Dendrochronologia*, 1999-2000

Guest Editor, *Dendrochronologia* 20: 1-2, 248 pp., 2002

Swiss national representative, International Long Term Ecological Research (ILTER), 1998-2002

Co-Deputy Head of the Section "Forest ecosystems and ecological risks" at the WSL, 2004-2005

Tutor, degree- and PhD students (twenty students in the past five years)

Tutor, PhD students, Università della Tuscia, Viterbo (Italy), 2001-present

PhD student, Universität Basel (Switzerland), (Commission: Prof. Dr. Christian Körner, Dr. Fritz H. Schweingruber, Prof. Pietro Piussi), 1993-1996

Auditor, Department Forest Sciences, Eidgenössische Technische Hochschule ETH Zürich (Switzerland), 1992-1993

Post-Degree Fellowship, Istituto Sperimentale per lo Studio e la Difesa del Suolo, Ministero dell'Agricoltura e Foreste, Firenze (Italy), 1990-1992

"Expert Forestier", Cameroon (Africa). Evaluation of projects in forestry within the "*Etude du Projet de Développement rural intégré des régions Ouest - Benoué et Monts Mandaras*" (project Commission of European Communities), 1992

Extension, collaboration with "Le Scienze", Italian edition of "Scientific American", the most widely-circulating popular scientific magazine in Italy, 1989-present

Post-Degree Fellowship, Institute for Silviculture and Forest Ecology, Università di Firenze (Italy), 1989-1990

Scientific

Organizations

American Association for the Advancement of Science (AAAS) (2000-...), British Ecological Society (BES) (1999-...), Society for Experimental Biology (SEB) (1999-2001), Istituto Italiano di Dendrocronologia (1999-...), Tree-Ring Society (1997-...), Società Italiana di Selvicoltura ed Ecologia Forestale (SISEF) (1997-...), Società Botanica Italiana (1991-2002)

Recent Collaborators: John Innes, University of British Columbia, Vancouver BC (Canada); Barbara Gartner, Oregon State University, Corvallis OR (U.S.A.); Roberto Tognetti, Università del Molise, Campobasso (Italy); Matthias Saurer, Paul Scherrer Institute, Villigen (Switzerland); Giuseppe Scarascia-Mugnozza, Università della Tuscia, Viterbo (Italy).

SOME RECENT PUBLICATIONS

Fonti, P., Cherubini, P., Rigling, A., Weber, P. and G. Biging. 2006. Tree rings show competition dynamics in abandoned *Castanea sativa* coppices after land-use changes. *Journal of Vegetation Science*: 17, 103-112.

Chiesi, M., Maselli, F., Bindi, M., Fibbi, L., Cherubini, P., Arlotta, E., Tirone, G., Matteucci, G. and G. Seufert. 2005. Modelling carbon budget of Mediterranean forests

using ground and remote sensing measurements. *Agricultural and Forest Meteorology*: 135, 22-34.

Saurer, M., P. Cherubini, M. Ammann, B. De Cinti and R. Siegwolf. 2004. First detection of nitrogen from NO_x in tree rings: A ¹⁵N/¹⁴N study near a motorway. *Atmospheric Environment*: 38, 2779-2787.

Bascietto, M., P. Cherubini and G. Scarascia-Mugnozza. 2004. Tree rings from a European beech forest chronosequence are useful for detecting growth trends and carbon sequestration. *Canadian Journal of Forest Research*: 34, 481-492.

Cherubini, P., B. Gartner, R. Tognetti, W. Schoch, O.U. Bräker and J.L. Innes. 2003. Identification, measurement and interpretation of tree rings in woody species from Mediterranean climates. *Biological Reviews*: 78, 1, 119-148.

Saurer, M., P. Cherubini, G. Bonani and R. Siegwolf. 2003. Tracing carbon uptake from a natural CO₂ spring into tree rings: an isotope approach. *Tree Physiology*: 23, 997-1004.

Rebetez, M., M. Saurer and P. Cherubini. 2003. To what extent can oxygen isotopes in tree rings and precipitation be used to reconstruct past atmospheric temperature? A case study. *Climatic Change*: 61, 237-248.

Cherubini, P., G. Fontana, D. Rigling, M. Dobbertin, P. Brang and J.L. Innes. 2002. Tree-life history prior to death: the impact of two fungal root pathogens on tree rings. *Journal of Ecology*: 90, 5, 839-850.

Cherubini, P., (ed.), 2002. "Tree rings and people", Conference Proceedings, Davos, Switzerland, September 2001. *Dendrochronologia*: 20, 1-2: 248 pp.

Tognetti, R., P. Cherubini and J.L. Innes. 2000. Comparative stem-growth rates of Mediterranean trees under background and naturally-enhanced ambient CO₂ concentrations. *New Phytologist*: 146: 59-74.

Saurer, M., P. Cherubini and R. Siegwolf. 2000. Oxygen isotopes in tree rings of *Abies alba*: The climatic significance of interdecadal variations. *Journal of Geophysical Research*: Vol. 105: No. D10, p. 12, 461-470.

Cherubini, P., M. Dobbertin and J.L. Innes. 1998. Potential sampling bias in long-term forest growth trends reconstructed from tree rings: A case study from the Italian Alps. *Forest Ecology and Management*: 109: 103-118.

Cherubini, P., F.H. Schweingruber and T. Forster. 1997. Morphology and ecological significance of intra-annual radial cracks in living conifers. *Trees Structure and Function*: 11: 216-222.

Cherubini, P., P. Piussi and F.H. Schweingruber. 1996. Spatiotemporal growth dynamics and disturbances in a subalpine spruce forest in the Alps: a dendroecological reconstruction. *Canadian Journal of Forest Research*: 26: 991-1001.

Please, see <www.wsl.ch/staff/paolo.cherubini> for my publication list.

SYNERGISTIC ACTIVITIES: Seminars given and lectures taught at European and North American Universities, invited as lecturer; Collaboration and exchange of data with several teams of European scientists; Advising local students from Swiss, German, and Italian Universities.