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**Education**

Ph.D., Geosciences, University of Massachusetts, Amherst, 2002.  
M.S. (equiv), Geography, Geology and Mineralogy, University of Bern, Switzerland, 1996.  
B.S. (equiv), Gynasium Köniz, Bern, Switzerland, 1987.

**Experience**

Oct. 2006-present, Scientist II, Climate Change Research, Climate and Global Dynamics Division, National Center for Atmospheric Research, Boulder, Colorado.  
2003-2006, Scientist I, Climate Change Research, Climate and Global Dynamics Division, National Center for Atmospheric Research, Boulder, Colorado.  
2002-2003, Postdoctoral Fellow, Advanced Study Program, National Center for Atmospheric Research, Boulder, Colorado.  
1997-2001, Research Assistant, Department of Geosciences, University of Massachusetts, Amherst, Massachusetts.  
1999-2001, Visiting Graduate Student, Climate and Global Dynamics Division, National Center for Atmospheric Research, Boulder, Colorado.  
1991-1996, Programmer, Population Dynamics, Federal Office of Statistics, Bern, Switzerland.

**Publications Most Closely Related to Project**

Ammann C.M., and E.R. Wahl, 2007: Importance of the Geophysical Context for Statistical Evaluation of Climate Reconstruction Procedures. *Climatic Change*, doi:10.1007/s10584-007-9276-x.

Wahl, E.R and C.M. Ammann, 2007: Robustness of the Mann, Bradley, Hughes reconstruction of Northern Hemisphere surface temperatures: Examination of criticisms based on the nature and processing of proxy climate evidence. *Climatic Change*, DOI 10.1007/s10584-006-9105-7. [http://www.cgd.ucar.edu/ccr/ammann/millennium/refs/WahlAmmann\\_ClimChange2006.html](http://www.cgd.ucar.edu/ccr/ammann/millennium/refs/WahlAmmann_ClimChange2006.html)

Ammann C.M., F. Joos, D. Schimel, B.L. Otto-Bliesner, and R. Tomas, 2007: Solar influence on climate during the past millennium: results from transient simulations with the NCAR Climate System Model. *Proc. Nat. Acad. Sci.*, 104, 3713-3718, doi:10.1073/pnas.0605064103.  
Sup. Material online: <http://www.cgd.ucar.edu/ccr/ammann/millennium/csm/pnas2006.html>

Mann M.E., S. Rutherford, E. Wahl, and C. Ammann, 2007: Robustness of proxy-based climate field reconstruction methods. *J. Geophys. Res.*, 112, D12109, doi:10.1029/2006JD008272, 2007.

Goosse H., T.J. Crowley, E. Zorita, C.M. Ammann, H. Renssen, E. Driesschaert, 2005: Modeling the climate of the last millennium: What causes the differences between simulations? *Geophys. Res. Lett.*, 32, L06710, doi:10.1029/2005GL022368.

### **Other Significant Publications**

- Graham N.E., M.R. Hughes, C.M. Ammann, K.M. Cobb, M.P. Hoerling, D.J. Kennett, J.P. Kennett, B. Rein, L. Stott, P.E. Wigand, and T. Xu, 2007: Tropical Pacific – Mid-Latitude Teleconnections in Medieval Times. *Climatic Change*. doi:10.1007/s10584-007-9239-2.
- Naveau P. and C.M. Ammann, 2005: Statistical distribution of ice core sulfate from climatically relevant volcanic eruptions. *Geophys. Res. Lett.*, 32, L05711, doi:10.1029/2004GL021732, 2005.
- Ammann C.M., G.A. Meehl G., W.M. Washington and C.S. Zender, 2003: A monthly and latitudinally varying volcanic forcing dataset in simulations of the 20<sup>th</sup> century climate. *Geophys. Res. Lett.*, 30(12), 1657, doi:10.1029/2003GL016875.
- Mann, M.E., C.M. Ammann, R.S. Bradley, K. Briffa, T.J. Crowley, M. Huges, P.D. Jones, M. Oppenheimer, , T. Osborn, J.T. Overpeck, S. Rutherford, K.E. Trenberth, and T.M.L. Wigley, 2003: On past temperatures and anomalous late 20<sup>th</sup> century warmth. *EOS*, 84(27), 256ff.
- Ammann C.M., B. Jenny, K. Kammer and B. Messerli, 2001: Late Quaternary Glacier Response to Humidity changes in the Arid Andes of Chile (18°-29°S). *Palaeogeography, Palaeoclimatology, Palaeoecology* 172, 313-326.

### **Synergistic Activities**

- Organizer and coordinator PAGES/CLIVAR Paleoclimate Reconstruction (PR) Challenge, July 2006-present.
- Contributing Author, IPCC Fourth Assessment Report, 2005-present.
- Expert reviewer IPCC Fourth Assessment Report, Working Group I, and reviewer of Synthesis Report, 2005-present.
- Co-convenor and Session Chair, Global, Hemispheric and Regional Climate Signals During the Last Millennium, 2003 AGU Fall Meeting, San Francisco.
- Coordinator NCAR Junior Faculty Forum, Sun-Earth-Connection, Chairperson, 2003.

### **Collaborations**

- (a) Collaborators in last 48 months: Bradley (Massachusetts), Brady (NCAR), Briffa (UEA), Bohan (UEA), Evans (Arizona), Fox (NCAR), Goosse (Louvain-La-Neuve), Graham (Scripps/HRC), Hughes (Arizona), Jones (UEA), Joos (Bern), Kiehl (NCAR), Kaufmann (Northern Arizona), Levis (NCAR), Li (NCAR), Liu (Wisconsin), Luterbacher (Bern), Mann (Penn State), Matthes (NCAR), Mearns (NCAR), Meehl (NCAR), Miller (Colorado), Muscheler (NASA-GSFC), Naveau (IPSL-LSCE), Nychka (NCAR), Oh (Seoul National), Osborn (UEA), Overpeck (Arizona), Robock (Rutgers), Rutherford (URI), Schimel (NCAR), Shea (NCAR), Shin (NOAA/CDC), Shields (NCAR), Shindell (NASA-GISS), Stenchikov (Rutgers), Tebaldi (NCAR), Thompson (USGS), Tomas (NCAR), Washington (NCAR), Westerling (USC), Wigley (NCAR), Wahl (Alfred), Yates (NCAR)
- (b) Advisors: R.S. Bradley (Massachusetts), B. Messerli (Bern)