

Andreas Fischlin

For a robust, sound, and communicative science-policy interface!

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Academic achievements

- Professor emeritus of Terrestrial Systems Ecology at ETH Zurich, Switzerland, including teaching at ETH Zurich, University of Zurich, Switzerland, since 1982
- Ecologist focusing on modeling of forest ecosystems in a changing climate including the role of forests in the global carbon cycle
- Research in ecosystem ecology, population ecology, and systems theory as relating to the modeling of complex systems at University of British Columbia, Vancouver, BC, Canada, Maritimes Forest Research Centre, Fredericton, NB, Canada, Northern Forestry Centre, Edmonton, AB, Canada, and ETH Zurich, Switzerland; includes leading of interdisciplinary research teams
- Author of over 120 scientific works including journal articles and book contributions, many focusing on interdisciplinary aspects; winner of several awards for research and teaching
- Member of various academic and advisory boards of the Swiss Academy of Sciences and Federal Departments of the Swiss government, e.g. Advisory Body on Climate Change (OCCC)
- Extensive outreach work including more than 200 public lectures worldwide since 2007 focusing on IPCC assessments from all three working groups

Experience IPCC and UNFCCC work

- [Author for IPCC since 1993](#): Convening Lead Author SAR (1996); Coordinating Lead Author AR4 (2007); Review Editor TAR and AR5 (2001, 2014); Lead Author for the IPCC Good Practice Guidance for Land Use, Land-Use Change and Forestry (LULUCF); expert reviewing other IPCC assessment and special reports
- Representing Swiss scientific community in the Swiss delegation for the UNFCCC 1999 - 2012
- Co-chair Marrakesh accords (LULUCF, Kyoto Protocol) and co-chairing several other contact groups of the UNFCCC plus liaising with other UN organisations and bodies on climate change issues (e.g. UNEP, CBD)
- Co-facilitator of the [Structured Expert Dialogue](#) of [the 2013-2015 Review](#) of the UNFCCC

Personal information - Contact

person	Born December 2, 1949 in Bern, Switzerland, Married, two daughters
languages	German, English, French
current position	Prof. em. Dr. Andreas Fischlin, ETH Zurich
education	Primary schools Berne, high school Solothurn; Dipl. Natw. ETH Biology, ETH Zurich, 1975 (with distinction); Postgraduate Diploma Systems and Control Theory, ETH Zurich, 1979; Ph.D. Natural Sciences, ETH Zurich, 1982 (Doctor scientiae naturalis) (silver medal of ETH for exceptional PhD thesis)

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Vision

Given the complexity of climate change science, the high risks of a dangerous interference with the climate system, and the comparatively high stakes in climate policy-making, the best and the most reliable knowledge is required. Only a robust, sound, and highly reliable science-policy interface can deliver the accurate and targeted policy relevant foundation that governments need for making appropriate policy choices. A strong, efficient, open, flexible, yet comprehensive IPCC dedicated to utmost scientific excellence has and will continue to play a major role in that science-policy interface, but only if careful attention is paid to the strengthening of a science-policy dialogue in which both scientists and policymakers participate. I am a scientist firmly rooted in rigorous science, yet well experienced since many years in how to provide policy relevant but not policy prescriptive science, notably as co-facilitator in the recent efforts of the [Structured Expert Dialogue](#). I bring all the experience, dedication, and the vision to the table that is needed for improving the science-policy interface. The interface the world needs for tackling climate change to further human well-being.

Ten selected publications (IPCC works only listed if Mr. Fischlin served as CLA, [full list](#))

Impact ([Google Scholar](#), all): 127 works, citations 5'050, h-index 28, i10-index 41

- Warren, R., Price, J., FISCHLIN, A., Midgley, G. & Santiago de la Nava, S., 2011. Increasing impacts of climate change upon ecosystems with increasing global mean temperature rise. *Clim. Change*, **106**(2): 141-177. doi: [10.1007/s10584-010-9923-5](https://doi.org/10.1007/s10584-010-9923-5)
- FISCHLIN, A., Ayres, M., Karnosky, D., Kellomäki, S., Louman, B., Ong, C., Plattner, G.K., Santoso, H. & Thompson, I., 2009. Future environmental impacts and vulnerabilities. In: Seppälä, R., Buck, A. & Katila, P. (eds.), *Adaptation of forests and people to climate change – A global assessment report*. International Union of Forest Research Organizations (IUFRO), Prepared by the Global Forest Expert Panel on Adaptation of Forests to Climate Change, Helsinki, Finland, pp. 53-100. [pdf](#)
- FISCHLIN, A., 2009. Do we have sufficient safety margins in climate policies? *GAIA*, **18**(3): 193-199. doi: [10.14512/gaia.18.3.3](https://doi.org/10.14512/gaia.18.3.3)
- FISCHLIN, A. & Midgley, G.F., 2007. Ecosystems, their properties, goods and services. M. L. Parry, O. F. Canziani, J. P. Palutikof, P. J. van der Linden & C. E. Hanson (eds.), *Climate change 2007: Impacts, adaptation and vulnerability. Contribution of Working Group II to the Fourth Assessment Report of the Intergovernmental Panel of Climate Change (IPCC)*. Cambridge University Press, Cambridge, UK, 211-272. incl. authorship of SPM and TS of IPCC AR4 www.ipcc.ch/report/ar4/wg2/
- Schlamadinger, B. et al. including FISCHLIN, A., 2007. Options for including LULUCF activities in a post-2012 international climate agreement. Part I – Synopsis of LULUCF under the Kyoto Protocol and Marrakech Accords and criteria for assessing a future agreement. *Environ. Sci. Pol.*, **10**(4): 271-282. doi: [10.1016/j.envsci.2006.11.002](https://doi.org/10.1016/j.envsci.2006.11.002)
- Turchin, P., Wood, S.N., Ellner, S.P., Kendall, B.E., Murdoch, W.W., FISCHLIN, A., Casas, J., McCauley, E. & Briggs, C.J., 2003. Dynamical effects of plant quality and parasitism on population cycles of larch budmoth. *Ecology*, **84**(5): 1207-1214. doi: [10.1890/0012-9658\(2003\)084\[1207:DEOPQA\]2.0.CO;2](https://doi.org/10.1890/0012-9658(2003)084[1207:DEOPQA]2.0.CO;2)
- Gyalistras, D. & FISCHLIN, A., 1999. Towards a general method to construct regional climatic scenarios for model-based impacts assessments. *Petermanns geogr. Mitt.*, **143**(4): 251-264. [pdf](#)
- Perruchoud, D., Joos, F. & FISCHLIN, A., Hajdas, I. & Bonani, G., 1999. Evaluating time scales of carbon turnover in temperate forest soils with radiocarbon data. *Global Biogeochem. Cycles*, **13**(2): 555-573. doi: [10.1029/1999GB900003](https://doi.org/10.1029/1999GB900003)
- FISCHLIN, A. & D. Gyalistras 1997. Assessing impacts of climatic change on forests in the Alps. *Global Ecol. Biogeogr. Lett.*, **6**:19-37 doi: [10.2307/2997524](https://doi.org/10.2307/2997524)
- Kirschbaum, M. & FISCHLIN, A., 1996. Climate change impacts on forests. In: Watson, R., Zinyowera, M.C. & Moss, R.H. (eds.), *Climate change 1995 - Impacts, adaptations and mitigation of climate change: scientific-technical analysis. Contribution of Working Group II to the Second Assessment Report of the Intergovernmental Panel of Climate Change*. Cambridge University Press, Cambridge a.o., pp. 95-129. incl. authorship of SPM and TS of IPCC SAR www.ipcc.ch/report/ar2/wg2/

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