

**Box List:** Michael E. Schlesinger Papers, 1972-2017  
 Atmospheric Sciences Department, UIUC  
**ID:** 15/45/20

**Arrangement:**

**Series 1: Course Materials, 1978-2006**  
**Series 2: Subject Files, 1973-2014**  
**Series 3: Publications, 1972-2017**

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**Series 1: Course Materials, 1978-2006**

This series contains Professor Schlesinger's curriculum vitae and teaching materials, including lecture notes, syllabi, and handouts for Atmospheric Science courses that he created and date mostly from his time at Oregon State University; also include a few UIUC courses. The series lists his CV first, followed by the course materials, arranged chronologically.

**Box 1**

1. CV, 2006
2. Atmospheric Sciences 309, Oregon State, 1978
3. AtS 312 X: Atmospheric Dynamics II, Oregon State, 1978
4. AtS 311: Atmospheric Dynamics, Oregon State, 1979-1983
5. AtS 312, Oregon State, 1979-1982
6. AtS 313: Atmospheric Dynamics III, Oregon State, 1979
7. AtS 411: Thermodynamics and Cloud Microphysics, Oregon State, 1980-1989
8. AtS 412: Atmospheric Radiation, Oregon State, 1980-1989
9. AtS 530: Climate Dynamics II, Oregon State, 1 of 4, ca. 1980s
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13. AtS 470: The Upper Atmosphere, 1 of 3, 1981
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16. AtS 520: Atmospheric Modeling I, 1 of 2, 1981
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18. AtS 521: Atmosphere Modeling I, 1 of 2, 1982
19. AtS 521: Atmosphere Modeling I, 2 of 2, 1982
20. AtS 511: Atmospheric Physics, Oregon State, 1 of 4, 1984
21. AtS 511: Atmospheric Physics, Oregon State, 2 of 4, 1984
22. AtS 511: Atmospheric Physics, Oregon State, 3 of 4, 1984
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**Box 2**

1. AtS 521: Atmospheric Modeling II, Oregon State, 1 of 8, 1984
2. AtS 521: Atmospheric Modeling II, Oregon State, 2 of 8, 1984
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4. AtS 521: Atmospheric Modeling II, Oregon State, 5 of 8, 1984
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7. AtS 521: Atmospheric Modeling II, Oregon State, 8 of 8, 1984
8. AtS 432: Numerical Weather Prediction, Oregon State, 1985
9. AtS 520: Chapter 1, Atmospheric Radiation, Lecture Notes, 1985
10. AtS 530: Climate Dynamics, Oregon State, 1 of 3, 1986
11. AtS 530: Climate Dynamics, Oregon State, 2 of 3, 1986
12. AtS 530: Climate Dynamics, Oregon State, 3 of 3, 1986
13. AtS 411: Cloud Physics, Lecture Notes, 1 of 3, 1989
14. AtS 411: Cloud Physics, Lecture Notes, 2 of 3, 1989
15. AtS 411: Cloud Physics, Lecture Notes, 3 of 3, 1989
16. AtS 412: Atmospheric Radiation, Lecture Notes, 1 of 2, 1989
17. AtS 412: Atmospheric Radiation, Lecture Notes, 1 of 2, 1989
18. ATMOS 301: Principles of Atmospheric Physics, UIUC, 1989
19. ATMOS 302: Principles of Atmospheric Dynamics, UIUC, 1990-1999
20. ATMOS 497G: Global Atmosphere Modeling, UIUC, 1990
21. ATMOS 222: Weather Processes, UIUC, 1991
22. ATMOS 442: UIUC, 1992
23. ATMOS 397 I: Climate and Climate Change, UIUC, 2001

**Series 2: Research Files, 1973-2014**

This series consists of Michael E. Schlesinger's research notes, projects, and related correspondence. This series is organized alphabetically.

**Box 3**

1. Analysis of Optimal Cloud Depth Feedback, 1 of 2, 1987-1988
2. Analysis of Optimal Cloud Depth Feedback, 2 of 2, 1987-1988
3. AVRX I, 1 of 2, 1974-1975
4. AVRX I, 1 of 2, 1974-1975
5. AVRX II, 1976-1978
6. Box Diffusion Model I, 1 of 3, 1984-1986
7. Box Diffusion Model I, 2 of 3, 1984-1986
8. Box Diffusion Model I, 3 of 3, 1984-1986
9. Box Diffusion Model II, 1 of 2, 1984
10. Box Diffusion Model II, 2 of 2, 1984
11. Climate Model, 2014
12. Climate Change in the Cenozoic, 1994
13. Cloud Amount Feedback, 1 of 2, 1984-1985
14. Cloud Amount Feedback, 2 of 2, 1984-1985

**Box 4**

1. Cloud Optical Depth Feedback: Negative or Positive: Nature, draft, 1988
2. CO<sub>2</sub> Signal Detection I, 1 of 2, 1986-1988
3. CO<sub>2</sub> Signal Detection I, 2 of 2, 1986-1988
4. CO<sub>2</sub> Signal Detection II, 1 of 2, 1987-1989
5. CO<sub>2</sub> Signal Detection II, 2 of 2, 1987-1989

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**Box 4**

6. CRI Climatic Data Tapes I, 1 of 2, 1985-1988
7. CRI Climatic Data Tapes I, 2 of 2, 1985-1988
8. Data Graphs, 1985
9. Data Graphs, 1986
10. Draft, "Asymptotic Expansions of the Normal Modes of Laplace's Tidal Equation for Small Lamb's Parameter," 1987
11. Earth Radiation Budget Experiment (ERBE), 1985-1989
12. EMF Report, 1997-1998
13. Energy Balance Models, 1 of 2, 1986-1988
14. Energy Balance Models, 2 of 2, 1986-1988
15. Equilibrium Ice Sheet, 1 of 3, 1990-1991
16. Equilibrium Ice Sheet, 2 of 3, 1990-1991
17. Equilibrium Ice Sheet, 3 of 3, 1990-1991
18. General Circulation Model Design, 1 of 2, 1980
19. General Circulation Model Design, 2 of 2, 1980
20. Intergovernmental Panel on Climate Change (IPCC), 2013

**Box 5**

1. IRCCMI, 1 of 2, 1984
2. IRCCMI, 2 of 2, 1984
3. ISCCP (International Satellite Cloud Climatology Project), Pilot Program Preliminary Results, 1986
4. ISCCP II, 1 of 2, 1987-1991
5. ISCCP II, 2 of 2, 1987-1991
6. ML Model Documentation, undated
7. MLRCM Development IV Validation, 1 of 2, 1991-1992
8. MLRCM Development IV Validation, 2 of 2, 1991-1992
9. Model Improvement (Earliest), 1 of 2, 1974
10. Model Improvement (Earliest), 2 of 2, 1974
11. Model Modification, 1 of 2, 1974-1975
12. Model Modification, 2 of 2, 1974-1975
13. Model Modification V, 1 of 2, 1980-1982
14. Model Modification V, 2 of 2, 1980-1982

**Box 6**

1. Model Modifications IV, 1 of 3, 1983
2. Model Modifications IV, 2 of 3, 1983
3. Model Modifications IV, 3 of 3, 1983
4. Observed Climatology, 1 of 2, ca. 1980s
5. Observed Climatology, 2 of 2, ca. 1992
6. Report #35, Two-Level Atmospheric General Circulation Model, 1982
7. Schlesinger (1983) CGCM CO2 Experiment I, 1 of 3, 1982-1983
8. Schlesinger (1983) CGCM CO2 Experiment I, 2 of 3, 1982-1983
9. Schlesinger (1983) CGCM CO2 Experiment I, 3 of 3, 1982-1983
10. Spherical Normal Modes SU, 1 of 2, ca. 1980s
11. Spherical Normal Modes SU, 2 of 2, ca. 1980s
12. Surface Wind Experiments, 1 of 2, 1984
13. Surface Wind Experiments, 2 of 2, 1984
14. Statement on H.R. 3131, The High Performance Computing Technology Act, 1990

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15. TASU, 1982

**Box 7**

1. Theory and Application of Sensitivity and Uncertainty Analysis, 1 of 2, 1977-1985
2. Theory and Application of Sensitivity and Uncertainty Analysis, 2 of 2, 1977-1985
3. Two-Layer GCM, 1 of 2, 1973
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5. Upwelling Diffusion Model 1 of 2, 1984-1985
6. Upwelling Diffusion Model 1 of 2, 1984-1985
7. Volcanic Contribution, 1991-1992
8. Zero-Feedback, 1990
9. Zero-Feedback Analysis, 1992-1994

**Series 3: Publications, 1972-2017**

This series contains works authored and co-authored by Michael E. Schlesinger, organized chronologically.

**Box 7**

10. Publications, 1972-1974
  - The structure of blunt base wakes in swirling flow, *Astronomica Acta*, 17, 375-386, 1972 (A.F. Charwat and M.E. Schlesinger).
  - A comparison of the physical models employed in the Mintz-Arakawa two- and three-layer general circulation models: I. Calculation of the solar and long wave radiation fluxes, WN- 8545-ARPA, The Rand Corporation, Santa Monica, CA, 70 pp., 1974.
  - Modification of the Rand two-level general circulation model to incorporate moisture at the upper level, WN-8671-ARPA, The Rand Corporation, Santa Monica, CA, 110 pp., 1974.
  - Arakawa, A., and Y. Mintz, with the participation of A. Katayama, J.W. Kim, W. Schubert, T. Tokioka, M. Schlesinger, W. Chao, D. Randall and S. Lord, "The UCLA Atmospheric General Circulation Model," Notes Distributed at the Workshop, 25 March – 4 April, 1974
11. Publications, 1975-1976
  - Yale Mintz and Michael Schlesinger, "Ozone Production and Transport with the UCLA General-Circulation Model," Proceedings of the Fourth Conference on the Climatic Impact Assessment Program, 1975
  - Michael E. Schlesinger, *A Numerical Simulation of the General Circulation of Atmospheric Ozone*, Dissertation, 1976
  - A fast numerical method for explicit integration of the primitive equations near the poles, P- 5507, The Rand Corporation, Santa Monica, CA, 50 pp., 1976.
12. Publications, 1977-1978
  - Numerical simulation of the January and July global climate with a two-level atmospheric model, *J. Atmos. Sci.*, 34, 36-76, 1977 (W.L. Gates and M.E. Schlesinger).
  - Data needs for climate modeling. Report No. 3, Climatic Research Institute, Oregon State University, Corvallis, OR, 73 pp., 1978.
  - Design and Preliminary Performance of the OSU Atmospheric General Circulation Model, Climatic Research Institute, OSU, M.E. Schlesinger and W. Lawrence Gates, 1978

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12. Publications, 1977-1978 (continued)
  - Performance of the Oregon State University Two-Level Atmospheric General Circulation Model, Climatic Research Institute, OSU, M.E. Schlesinger and W. Lawrence Gates, 1978
13. Publications, 1979
  - Comments on ocean-atmosphere coupling and discussion of the paper 'A global ocean- atmosphere model with seasonal variation: Possible application to a study of climate sensitivity.' Report No. 5, Climatic Research Institute, Oregon State University, Corvallis, OR, 10 pp., 1979.
  - Numerical simulation of the January and July global climate with the OSU two-level atmospheric general circulation model, Report No. 9, Climatic Research Institute, Oregon State University, Corvallis, OR, 102 pp., 1979
  - Discussion of a global ocean-atmosphere climate model with seasonal variation: possible application to a study of climate sensitivity, Dyn. Atmos. and Oceans, 3, 427-432, 1979.
  - Numerical simulation of ozone production, transport and distribution with a global atmospheric general circulation model, J. Atmos. Sci., 36, 1325-1361, 1979 (M.E. Schlesinger and Y. Mintz).
  - Michael E. Schlesinger, Atmospheric General Circulation Models. Contributed for Climate System Research Section of the Draft 5-year Climate Program Plan, 1979
  - Preliminary analysis of the seasonal and interannual variability simulated by the OSU two-level atmospheric general circulation model. Proceedings of the Fourth Annual Climate Diagnostics Workshop, Institute for Environmental Studies, University of Wisconsin, Madison, 16-18 October, 379-397, 1979.
14. Energy Balance Models, SOA Original Typing, Michael Schlesinger, ca. 1980s
15. Publications, 1980-1981
  - The January and July performance of the OSU two-level atmospheric general circulation model, J. Atmos. Sci., 37, 1914-1943, 1980 (M.E. Schlesinger and W.L. Gates).
  - Preliminary analysis of experiments on the climatic effects of increased CO<sub>2</sub> with an atmospheric general circulation model and a climatological ocean. J. Geophys. Res., 86, 6385-6393, 1981 (W.L. Gates, K.H. Cook, and M.E. Schlesinger).
  - Preliminary analysis of four general circulation model experiments on the role of the ocean in climate. Report No. 25, Climatic Research Institute, Oregon State University, Corvallis, OR, 56 pp. 1981 (M.E. Schlesinger and W.L. Gates).
  - The climatic change induced by increased atmospheric carbon dioxide. Carbon Dioxide Proliferation: Will the Icecaps Melt?, Special Publication No. 21, IEEE Power Engineering Society, 9-18, 1981.

**Box 8**

1. Publications, 1982
  - A documentation of the OSU two-level atmospheric general circulation model. Report No. 35, Climatic Research Institute, Oregon State University, Corvallis, OR, 395 pp., 1982 (S. J. Ghan, J. W. Lingaas, M. E. Schlesinger, R. L. Mobley and W. L. Gates).

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1. Publications, 1982 (continued)
  - CO<sub>2</sub>-induced climatic warming: A review of model research and prospectus for first detectability. Report No. 36, Climatic Research Institute, Oregon State University, Corvallis, OR, 25 pp., 1982.
  - Sensitivity analysis of a radiative-convective model by the adjoint method. *J. Atmos. Sci.*, 39, 2038-2050, 1982 (M. C. G. Hall, D. G. Cacuci, and M. E. Schlesinger).
2. Publications, 1983
  - Simulating CO<sub>2</sub>-induced climatic change with mathematical climate models: Capabilities, limitations and prospects. Proceedings: Carbon Dioxide Research Conference: Carbon Dioxide, Science and Consensus. Coolfont Conference Center, Berkeley Springs, WV, 19- 23 September 1982, III.3-III.139, 1983.
  - A review of climate model simulations of CO<sub>2</sub>-induced climatic change. Climatic Research Institute Report No. 41, Oregon State University, Corvallis, OR, 135 pp., 1983.
  - A review of climate models and their simulation of CO<sub>2</sub>-induced warming. *The International Journal of Environmental Studies*, 20, 103-114, 1983.
3. Publications, 1984
  - Atmospheric general circulation model simulations of the modern Antarctic climate. In *Environment of West Antarctica: Potential CO<sub>2</sub>-Induced Change*, Committee on Glaciology, Polar Research Board, Commission on Physical Sciences, Mathematics and Resources, National Research Council, National Academy Press, Washington, D.C., 155-196, 1984.
  - The global climate simulated by a coupled atmosphere-ocean general circulation model: Preliminary results. Report No. 57, Climatic Research Institute, Oregon State University, Corvallis, OR, 31 pp., 1984 (W.L. Gates, Y.-J. Han and M.E. Schlesinger).
  - Mathematical modeling and simulation of climate and climate change. Contribution n 41, Institut D'Astronomie et de Geophysique George Lemaitre, Université Catholique de Louvain, Louvain-la-Neuve, Belgium, 87 pp., 1984.
  - Climate model simulations of CO<sub>2</sub>-induced climatic change. In *Advances in Geophysics*, Vol.26, ed. B. Saltzman, Academic Press, New York, 141-235, 1984.
4. Publications, 1985
  - Appendix A: Feedback analysis of results from energy balance and radiative-convective models. In *The Potential Climatic Effects of Increasing Carbon Dioxide*, M. C. MacCracken and F. M. Luther, Eds., U.S. Department of Energy, DOE/ER-0237, 280-319, 1985.
  - Climate model projections of the equilibrium climatic response to increased CO<sub>2</sub>. *Reviews of Geophysics*, 25, 760-798, 1987 (M.E. Schlesinger and J.F.B. Mitchell).
  - An analysis of the air-sea-ice interaction simulated by the OSU-coupled atmosphere-ocean GCM. In *Coupled Ocean-Atmosphere Models*, Climate Research Institute, OSU, Report 61, January 1985 (Y.-J. Han, M. E. Schlesinger, and W. L. Gates).
  - The role of the ocean in CO<sub>2</sub>-induced climatic warming: Preliminary results from the OSU coupled atmosphere-ocean GCM. In *Coupled Ocean-Atmosphere Models*, Climate Research Institute, OSU, Report 60, January 1985 (M. E. Schlesinger, W. L. Gates, Y.-J. Han).

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4. Publications, 1985 (continued)
  - The Treatment of Clouds in General Circulation Models: Current Status and More Physically Based Parameterizations, Steven A. Rutledge and Michael E. Schlesinger, Climate Research Institute, OSU, Report 63, June 1985
  - Equilibrium and transient climatic effects of increased atmospheric CO<sub>2</sub>. Report No. 67, Climatic Research Institute, Oregon State University, 41 pp., 1985.
  - Contribution to the Final Report for NSF Grant ATM-8205992, "Research on the Dynamics of Climate," Michael E. Schlesinger, October 1985
  - T.M.L. Wigley and Michael Schlesinger, "Transient Response and the Detection of CO<sub>2</sub>-Induced Climatic Change," 1985
  - Model projections of the equilibrium climatic response to increased CO<sub>2</sub>. In The Potential Climatic Effects of Increasing Carbon Dioxide, M. C. MacCracken and F. M. Luther, Eds.,
  - The role of the ocean in CO<sub>2</sub>-induced climatic warming: Preliminary results from the OSU coupled atmosphere-ocean GCM. In Coupled Ocean-Atmosphere Models, J. C. J. Nihoul (ed.), Elsevier, Amsterdam, 447-478, 1985 (M. E. Schlesinger, W. L. Gates, Y.-J. Han).
  - The global climate simulated by a coupled atmosphere-ocean general circulation model: Preliminary results. In Coupled Ocean-Atmosphere Models, J. C. J. Nihoul (ed.), Elsevier, Amsterdam, 131-151, 1985 (W. L. Gates, Y.-J. Han, and M. E. Schlesinger).
  - An analysis of the air-sea-ice interaction simulated by the OSU-coupled atmosphere-ocean GCM. In Coupled Ocean-Atmosphere Models, J. C. J. Nihoul (ed.), Elsevier, Amsterdam, 167-182, 1985 (Y.-J. Han, M. E. Schlesinger, and W. L. Gates).
  - Analytical solution for the effect of increasing CO<sub>2</sub> on global mean temperature. *Nature*, 315, 649-652, 1985. (T.M.L. Wigley and M.E. Schlesinger).
5. Publications, 1986
  - Equilibrium and transient warming induced by increased atmospheric CO<sub>2</sub>. *Climate Dynamics*, 1, 35-51, 1986.
  - CO<sub>2</sub>-induced changes in seasonal snow cover simulated by the OSU coupled atmosphere-ocean general circulation model. In Snow Watch '85, Report GD-18, Glaciological Data, World Data Center for Glaciology [Snow and Ice], University of Colorado, Boulder, 249-270, 1986.
  - General circulation model simulations of CO<sub>2</sub>-induced equilibrium climate change. In Climate Change Impacts in the Canadian Arctic, Proceedings of a Canadian Climate Program Workshop, 3-5 March 1986, Geneva Park, Ontario, Ed. H.M. French, pp. 15-51, 1986.
  - Meeting Report on the NATO Advanced Study Institute on Physically-Based Modelling and Simulation of Climate and Climatic Change. *Eos Trans. AGU*, 67, 1377-1378, 1986.
  - Letter to Editor of *Science*, 1986
6. Publications, 1987-1992
  - The Transport of CO<sub>2</sub>-induced Warming into the Ocean: An Analysis of Simulations by the OSU Coupled Atmosphere-Ocean General Circulation Model. Report No. 68, Climatic Research Institute, Oregon State University, Corvallis, 44 pp., 1987 (with X.-J. Jiang).

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6. Publications, 1987-1992 (continued)
  - Climate model projections of the equilibrium climatic response to increased CO<sub>2</sub>. *Reviews of Geophysics*, 25, 760-798, 1987 (M.E. Schlesinger and J.F.B. Mitchell).
  - Climate-chemical interactions and effects of changing atmospheric trace gases. *Reviews of Geophysics*, 25, 1441-1482, 1987 (V. Ramanathan, L. Callis, R. Cess, J. Hansen, I. Isaksen, W. Kuhn, A. Lacis, F. Luther, J. Mahlman, R. Reck, and M. Schlesinger).
  - Detecting Changes in Global Climate Induced by Greenhouse Gases, *J. Geophys. Res.*, 92, 14,772-14,780, 1987. (T.P. Barnett and M.E. Schlesinger).
  - Negative or positive cloud optical depth feedback? *Nature*, 335, 303-304, 1988.
  - How to make models for behavior of clouds. *Nature*, 336, 315-316, 1988
  - A parameterization of the evaporation of rainfall. *Mon. Wea. Rev.*, 116, 1887-1895, 1988 (M.E. Schlesinger, J.-H. Oh and D. Rosenfeld).
  - The Transport of CO<sub>2</sub>-induced Warming into the Ocean: An Analysis of Simulations by the OSU Coupled Atmosphere-Ocean General Circulation Model, *Climate Dynamics*, 3, 1-17, 1988 (M.E. Schlesinger and X. Jiang).
  - Quantitative analysis of feedbacks in climate model simulations of CO<sub>2</sub>-induced warming. In *Physically-Based Modelling and Simulation of Climate and Climatic Change*, M. E. Schlesinger, Ed., NATO Advanced Study Institute Series, Kluwer, Dordrecht, 653-736, 1988.
  - Model Projections of the Climatic Changes Induced by Increased Atmospheric CO<sub>2</sub>. In *Climate and the Geo-Sciences: A Challenge for Science and Society in the 21st Century*, A Berger, S. Schneider and J. Cl. Duplessy, Eds., Kluwer Academic Publishers, Dordrecht, 375-415, 1989.
  - Quantitative Analysis of Feedbacks in Climate Model Simulations. In *Understanding Climate Change*, A. Berger, R. E. Dickinson and J. W. Kidson (Eds.), *Geophysical Monograph 52, IUGG Volume 7*, American Geophysical Union, Washington, D.C., 177-187, 1989.
  - Seasonal Climate Changes Induced by Doubled CO<sub>2</sub> as Simulated by the OSU Atmospheric GCM/Mixed-Layer Ocean Model. *J. Climate*, 2, 459-495, 1989. (M.E. Schlesinger and Z.-C. Zhao).
  - Design and Critical Appraisal of an Accelerated Integration Procedure for Atmospheric GCM/Mixed-Layer Ocean Models. *J. Climate*, 2, 641-655, 1989 (M.E. Schlesinger, Z.-C. Zhao and D. Vickers).
  - Comparisons of GCM and observed surface wind fields over the Tropical Indian and Pacific Oceans. *J. Atmos. Sci.*, 46, 760-788, 1989 (N.E. Graham, T.P. Barnett, R.M. Chervin, M.E. Schlesinger and U. Schlese).
  - A Method of Relating General Circulation Model Simulated Climate to the Observed Local Climate. Part I: Seasonal Statistics. *J. Climate*, 3, 1053-1079, 1990. (T. R. Karl, W. C. Wang, M. E. Schlesinger, R. W. Knight and D. Portman).
  - Simple Model Representation of Atmosphere-Ocean GCMs and Estimation of the Timescale of CO<sub>2</sub>-induced Climate Change. *J. Climate*, 3, 1297-1315, 1990. (M. E. Schlesinger and X. Jiang).



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6. Publications, 1987-1992 (continued)
  - Theoretical Estimates of Greenhouse-Gas-Induced Climate Change. In *Prospects for Future Climate: A Special US/USSR Report on Climate and Climate Change*, M. C. MacCracken, M. I. Budyko, A. D. Hecht and Y. A. Izrael (eds.), Lewis Publishers, Chelsea, Michigan, 1990, pp. 113-156.
  - Seasonal changes in soil moisture induced by doubled CO<sub>2</sub> as simulated by the AGCM/mixed-layer ocean model. *Acta Meteorologica Sinica*, 48, 450-458, 1990. (Z.-C. Zhao and M.E. Schlesinger).
  - The Application of Cause-and-Effect Analysis to Mathematical Models of Geophysical Phenomena: 1. Formulation and Sensitivity Analysis. *Journal of Geophysical Research*, 96 (D1), 941-946, 1991. (N. G. Andronova and M. E. Schlesinger).
  - Revised Projection of Future Greenhouse Warming. *Nature*, 350, 219-221, 1991 (M. E. Schlesinger and X. Jiang).
  - A Phased-in Approach to Greenhouse-Gas-Induced Climate Change. *Eos Trans. AGU*, 72, 593- 596, 1991 (M. E. Schlesinger and X. Jiang).
  - Multivariate methods for the detection of greenhouse-gas-induced climatic change. In *Greenhouse-Gas-Induced Climatic Change: A Critical Appraisal of Simulations and Observations*, M. E. Schlesinger (ed.), Elsevier, Amsterdam, pp. 511-536, 1991. (B. Santer, T. M. L. Wigley, P. D. Jones and M. E. Schlesinger).
  - Greenhouse Economics and Policy. *Eos Trans. AGU*, 73, 325-327, 1992.
  - The Application of Cause-and-Effect Analysis to Mathematical Models of Geophysical Phenomena: 2. Stability Analysis. *J. Geophys. Res.*, 97, 5911-5919, 1992. (N. G. Andronova and M. E. Schlesinger).
  - Implication of Anthropogenic Atmospheric Sulphate for the Sensitivity of the Climate System. In *Climate Change and Energy Policy: Proceedings of the International Conference on Global Climate Change: Its Mitigation Through Improved Production and Use of Energy*, Los Alamos National Laboratory, New Mexico, 21–24 October, eds. Rosen, L, and R. Glasser, American Institute of Physics, New York, 75-108, 1992. (M. E. Schlesinger, X. Jiang and R. J. Charlson).
  - Implications for Global Warming of Intercycle Solar-Irradiance Variations. *Nature*, 360, 330- 333, 1992. (M. E. Schlesinger and N. Ramankutty).
  - A Sequential-Decision Strategy for Abating Climate Change. *Nature*, 357, 315-318, 1992. (J. K. Hammitt, R. J. Lempert and M. E. Schlesinger).
7. Publication, 1993-1997
  - Model Projections of CO<sub>2</sub>-Induced Equilibrium Climate Change. In *Climate and Sea Level Change: Observations, Projections and Implications*. R. A. Warrick, E. M. Barrow and T.M. L. Wigley (eds.), Cambridge University Press, 169-191, 1993.
  - A Cloud Evaporation Parameterization for General Circulation Models. *Mon. Wea. Review*, 121, 1239-1248. 1993. (M. E. Schlesinger and J.-H. Oh)
  - Greenhouse Policy. *National Geographic Research & Exploration*, 9(2), 159-172, 1993. (M. E. Schlesinger).
  - Analysis of Global Cloudiness: 1. Comparison of Meteor, Nimbus-7 and ISCCP Satellite Data. *J. Geophys. Res.*, 98, 12,849-12,868, 1993. (I. I. Mokhov and M. E. Schlesinger).

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7. Publication, 1993-1997 (continued)
  - On the Application of the Adjoint Method of Sensitivity Analysis to Problems in the Atmospheric Sciences. *Atmósfera*, 7, 47-59, 1994 (D. G. Cacuci and M. E. Schlesinger).
  - The Impact of Potential Abrupt Climate Changes on Near-Term Policy Choices. *Climatic Change*, 26, 351-376, 1994 (R. J. Lempert, M. E. Schlesinger and J. K. Hammitt).
  - The Impact of Potential Abrupt Climate Changes on Near-Term Policy Choices. In *Integrative Assessment of Mitigation, Impacts, and Adaptation to Climate Change*, N. Nakicenovic, W D. Nordhaus, R. Richels and F. L. Toth (Eds.), International Institute for Applied Systems, Analysis, pp. 173-204, 1994 (R. J. Lempert, M. E. Schlesinger and J. K. Hammitt).
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  - Bayesian Learning of Climate Sensitivity I: Synthetic Observations, M.J. Ring, M.E. Schlesinger, *Atmospheric and Climate Sciences* 2, no. 4, 2012
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**Processing Notes:**

Originally in binders, materials were transferred to folders. Duplicates were weeded as were courses not developed by Schlesinger (except for their syllabi and exams, if present). Added folder titles are indicated by [ ] on the folders. Processed by Olivia Hagedorn, Carolina Ortega, and Peter Wright, under the supervision of Susanne Belovari, spring 2019.