



Update on Complexity, Synthesis, and Computation: The Development of Atmospheric General Circulation Models

Leo Donner

National Oceanic and Atmospheric Administration
Geophysical Fluid Dynamics Laboratory
Princeton, NJ 08542
<http://www.gfdl.noaa.gov>

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Activity since January CMMAP Meeting

- Preliminary discussions with potential publishers
- Title change
- Agreements secured with authors for all chapters
- Working group members (Leo Donner, Wayne Schubert, Richard Somerville) agreed to serve as editors



Chapter Authors

- Chapter 1. Introduction (Editors)
- Chapter 2. From Richardson to Early Numerical Weather Prediction (Peter Lynch, University College Dublin)
- Chapter 3. From Early Numerical Weather Prediction to General Circulation Models for Climate (Lennart Bengtsson, Emeritus Director, Max Planck Institute for Meteorology)



Chapter Authors

- Chapter 4. The Evolution of Research Goals for General Circulation Models (Warren Washington and Akira Kasahara, NCAR)
- Chapter 5. The Evolution of Complexity in General Circulation Models (Dave Randall, Colorado State University)
- Chapter 6. Numerical Weather Prediction in the Era of Climate Models (Cath Senior, UKMO)



Chapter Authors

- Chapter 7. The Role of Observations in Developing and Evaluating General Circulation Models (V. Ramanathan, UCSD)
- Chapter 8. The Societal Context of General Circulation Model Research and Development (James Fleming, Colby College)
- Chapter 9. Coupling Atmospheric General Circulation to Oceans (Kirk Bryan, Princeton University)



Chapter Authors

- Chapter 10. Coupling Atmospheric Circulation to Land, Chemistry, and Biology (Bob Dickinson, Georgia Tech)



Next Steps

- Submit proposal to publishers (Cambridge University Press, others if proposal not favorably received or book price excessive).
- Encourage authors in writing and promote thematic unity of book. Authors' blog has been established.