

Eugenia Kalnay

A. Education

Ph.D. in Meteorology, MIT, 1971 (Jule G. Charney Advisor).

Licenciada en Meteorologia, University of Buenos Aires, Argentina, 1965.

B. Appointments

2002 – *Present*, Distinguished University Professor, Department of Atmospheric and Oceanic Science, Univ. of Maryland, College Park, MD

1999 – 2002, Professor and Chair, Department of Atmospheric and Oceanic Science, Univ. of Maryland, College Park, MD

1997 – 1999, Lowry Chair Professor at the School of Meteorology, Univ. of Oklahoma and Senior Scientist, NCEP.

1987 – 1997, Director, Environmental Modeling Center, National Centers for Environmental Prediction (NCEP), and NCEP Deputy for Science. ES-4.

1984 – 1986, Head, Global Modeling and Simulation Branch, Goddard Laboratory for Atmospheres, NASA. GS-15.

1979 – 1983, Senior Research Meteorologist, Global Modeling and Simulation Branch, Goddard Laboratory for Atmospheric Sciences, NASA. GS-15.

1975 – 1978, Assistant and then Associate professor, Department of Meteorology, MIT.

C. Honors, Awards, and Publications

i. Honors and Awards

First Eugenia Brin Professorship in Data Assimilation -2008

Kirwan Faculty Research and Scholarship Prize (U. Maryland-wide) -2006

Fellow of the AAAS (2006), AGU (2005), AMS (1982)

Paper by Kalnay and Cai (2003) selected as one of the top 100 science news by Discovery Magazine

Member of the National Academy of Engineering (1995), Foreign member of the Academia Europaea (2000), Corresponding member of the Argentine Academy of Sciences (2003)

American Meteorological Society Jule G. Charney Award (1995)

Department of Commerce gold medals (1993, 1997), silver medal (1990)

NASA gold medal for Exceptional Scientific Achievement (1981)

Senior Executive Service Presidential Rank Award (1996)

ii. Five Publications

1. E. Kalnay, M. Kanamitsu, R. Kistler, W. Collins, D. Deaven, L. Gandin, M. Iredell, S. Saha, G. White, J. Woollen, Y. Zhu, M. Chelliah, W. Ebisuzaki, W. Higgins, J. Janowiak, K. C. Mo, C. Ropelewski, J. Wang, A. Leetmaa, R. Reynolds, Roy Jenne, Dennis Joseph, 1996: The NCEP/NCAR 40-Year Reanalysis Project. *Bull. Amer. Meteor. Soc.*, 77, 437-471. (Over 5000 citations).
2. Zoltan Toth and Eugenia Kalnay, 1997: Ensemble Forecasting at NCEP: the breeding method. *Mon. Wea. Rev.*, 125, 3297-3318. (over 100 citations).
3. Kistler, R., E. Kalnay, and co-authors, 2001: The NCEP/NCAR 50-year Reanalysis: Monthly means CDROM and documentation. *Bull. Am. Met. Soc.*, 82, 247-267. (over 700 citations).
4. Kalnay, Eugenia, 2003: *Atmospheric Modeling, Data Assimilation and Predictability*. Cambridge University Press, 341pp., on its third printing within two years. Translated to and published in Chinese in 2005.
5. Kalnay, E. and M. Cai, 2003: Impact of urbanization and land-use change on climate. *Nature*, 423, 528-531. (over 100 citations)