Una parte importante para ambos modelos es el punto en el tiempo de iniciación de la predicción y la longitud de la ventana de predicción, lo cual involucra un buen conocimiento de la hidrología de la zona, para poder trabajar con los períodos intranuales críticos y con una ventana de predicción adecuada que cubra la longitud de esos períodos, y que los resultados obtenidos estén siempre sujetos a una mirada crítica para evaluar los resultados.

7. REFERENCIAS

Akaike, H. (1969). Fitting autoregressive models for prediction, Ann. Inst. Stat. Math., 21, 243-247.

Allen, M. R., Read, P. L. y Smith, L. A. Bidecadal oscillations and the global temperature record, Nature 355 (1992) 686.

Amari, S. (1972). "Learning patterns and patterns sequences by self organizing nets of treshold elements," IEEE Trans. Computers, C-21, 1197-1206.

Anderson, J.A., Silverstein, J.W., Ritz, S.A., y Jones, R.S. (1977). "Distinctive features, categorial perception, and probability learning: some applications of a neural model, "Psych. Review, 84, 413-451, y reimpreso en J.A. Anderson y E. Rosenfeld (Eds.) (1998). Neurocomputing, MIT Press, Cambridge, MA.

Box, G.E.P. y Jenkins, G.M. (1970). Time Series Analysis, Forecasting and Control, Holden-Day, San Francisco.

Broomhead, D. S., y King, G. P. (1986). Extracting qualitative dynamics from experimental data, Physica D, 20, 217-236.

Burg, J.P. (1967). Maximun entropy spectral analysis, Presentation at 37th annaul meeting of the society of exploratory Geophysicists, Oklahoma City, reimpreso en Modern Spectrum Analysis (1968), D. G. Childers (ed.), 43-48.

Carpenter, G.A., y Grossberg, S. (March, 1988). "The ART of adaptive pattern recognition," Computer, 77-88.

Colebrook, J. M. Continuous plankton records: zooplankton and environment, North-East Atlantic and North Sea, 1948-1975, Oceanol. Acta, 1, 9-23, 1978.

Eberhart, Russell C y Dobbins, Roy W (1990). Neural Network PC Tools, A Practical Guide. Academic Press, San Diego, California, 35-49.

Farley, B. y Clarck, W. A. (1954). "Simulation of self-organizing systems by digital computer," IRE Transaction of information Theory, 4, 76-84.

Fraedrich, k. (1986). Estimating the dimensions of weather and climate attractors, J. Atmos. Sci., 43, 419-432.

Fukishima, K., Miyake, S. y Ito, T. (1975). "Neocognitron: a neural network model for a mechanism of visual pattern recognition," IEEE Transactions on Systems, Man, and Cybernetics, SMC-13, 826-834.

Hopfield, J.J. (1982). "Neural network and physical systems with emergent collective computational abilities", Proc. of the National Academy of Sciences, USA, 79, 2554-2558.

Hopfield, J.J., y Tank, D. (1986). "Computing with neural circuits: A model," Science, 233, 625-633.

James, W. (1980). Phychology, Holt, New York, chapter XVI, 253-279.

Keppenne, C.L. y Ghil, M. (1992). Adaptive filtering and prediction of the southern oscillation index. J. Geophys. Res., sub judice.

Kohonen, T. (1972). "Correlation matrix memories," IEEE Trans. Computer C-21, 353-359.

Kosko, B. (1987c). "Fuzzy Associative Memories," Fuzzy Expert Systems, Addison-Wesley, Reading, MA.

Kosko, B. (1987a). "Adaptive bidirectional associative memories," Applied Optics, 26, 4947-4960.

Kosko, B. (1987b). "Constructing and Associative Memory," BYTE, Sept., 137-144.

Kosko, B. (1986). "Fuzzy cognitive maps," International Journal of Man-Machine Studies, 24, 65-75..

LeCun, Y. (1986). "Learning processes in an asymmetric treshold network," Disordered Systems and Biological Organization, E. Beinenstock, Fogelman Souli, and G. weisbuch (Eds.), Springer, Berlin.

Loève, M. (1962). Probability Theory, 3rd ed, Van Nostrand, Princeton.

Maren, Alianna; Harston, Craig y Pap, Robert (1990). Handbook of Neural Computing Applications. Academic Press, San Diego, California, 13-28, 45-57.

McCulloch, W.S. y Pitts, W. (1943). A logical calculos of the ideas immanent in nervous activity, "Bulletin of Mathematical Biophysics, 5, 115-133.

Parker, D. (1985). "Learning logic," Technical report TR-87, Center for Computational Research in Economics and Management Science, MIT Press, Cambridge, MA.

Penland, C., Ghil, M. y Weickmann, K. M. (1991). Adaptive filtering and maximun entropy spectra with application to changes in atmospheric angular momentum. J. Geoph. Res., 96, No. D12, 22,659-22,671.

Press, William H. Numerical Recipes, The Art of Scientific Computing. Cambridge University Press, 1989.

Rochester, N., Holland, J. H., Haibt, L. H. y Duda, W. L. (1956). "Test on a cell asembly theory of the action of the brain, using a large digital computer, "IRE Transactions of Information Theory, IT-2, 80-93.

Rosenblatt, F. (1958). "The Perceptron: A probabilistic model for information sotarge and organization in the brain," Psych. Review, 65, 386-408, y reimpreso en Neurocomputing, J. Anderson y E. Rosenfeld (Eds.) (1988). MIT Press, Cambridge, MA., 92-114.

Rumelhart, D. E. y Mc Clellandlland, "Parallel Distributed Processing, Explorations in the Microstructure of the Cognition. Vol. 1: Foundations." MIT Press, Cambridge, MA, 1986.

Tank, D. W., y Hopfield, J.J. (1987). Collective computation in neuronlike circuits," Scientific American, 257, 104-114, 158.

Vautard, R., Yiou, P. y Ghil, M. (1992). Singular-spectrum analysis: A toolkit for short, noisy chaotic signals. Physica D 58, 95-126.

Vautard, R. y Ghil, M. (1889). Singular spectrum analysis in nonlinear dynamics, with applitions to paleoclimatic time series. Physica D 35, 395-424.

Werbos, P. (1974). Beyond Regression: New Tools for Prediction and Analysis in the Behavioral Sciences. Ph.D. dissertation, Harvard University, Cambridge, MA.