

ANTONIO ROCHA MAGALHÃES

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Antonio Rocha Magalhães is a Brazilian citizen, PhD in Economics by the University of São Paulo, specialized in social and economic development planning. His experience in sustainable development includes the organization of the First International Conference for Sustainable Development of Drylands (ICID 1992) as part of the preparation process for the Rio 92 World summit. ICID was instrumental in providing the scientific inputs that allowed the Rio 92 Summit to recommend a UN convention on Desertification. He was a sector coordinator of the Brazil report to the Rio Summit, “The Challenge to Sustainable Development”. He also coordinated the Aridas project in Brazil, which developed a methodology for sustainable development planning for the drylands of Brazil. In 2010, he organized the II ICID Conference on Semi-arid Regions (ICID + 18), in preparation for the Rio + 20 Conference, He was a member of the IPCC and of the Scientific Committee of the UNEP Climate Programme, of the IRI – International Research Institute on Climate Prediction, based at the University of Columbia, NY, USA and President of the Science and Technology Committee (STC) of the UNCCD – United Nations Convention to Combat Desertification.

Mr. Magalhães devoted much of his work experience to the research and policy implementation in regard to droughts and their effects on society. A short summary of his activities on droughts is the following:

- i- Drought Planning and Policy: He planned and coordinated the state of Ceará response to the 1987 drought. He coordinated conferences, including the two ICID conferences, and workshops on the subject. He coordinated the Aridas project, an initiative to develop a sustainable development planning methodology to semi-arid regions, including on how to deal with droughts. He was a member of the organizing committee and a participant in the High Level Meeting on National Drought Policies (HMNDP), which was held in Geneva in 2013. In this regard, he coordinated the plenary session that came up with the HMNDP Declaration. More Recently, in 2015 and 2016, he worked together with World Bank colleagues to write and publish the book “Droughts in Brazil: Proactive Management and Policy”.*
- ii- Drought modelling, characterization, EW, monitoring and forecasting, iii- Vulnerability and impact assessments, iv- Economics of Drought, v- Agricultural Drought, vi- Drought Insurance.*

Mr. Magalhães was Vice-Minister of Planning of Brazil (1992-1993), Principal Country Officer of the World Bank in Brazil (1996-2006), Minister of Planning for the State of Ceara (1987-89) and Distinguished Visiting Professor of World Peace at Texas University at Austin (1995-96), in the USA. He was the Principal Country Officer of the World Bank for Brazil, and

presently he organizes the Second Internacional Conference on Dry Lands, the ICID 2010 (www.icid18.org).

His work has been acknowledged as highly relevant in the area of sustainable development and regional planning in drylands, particularly in semi-arid Northeast Brazil. He received the International Mitchell Prize on Sustainable Development in the Woodlands, Texas, in 1991, for his known contributions to sustainable development. He is a member of the IPCC – Intergovernmental Panel on Climate Change.

Summary of main activities

- Coordinator of Research on Drylands in the Centro de Gestão e Estudos Estratégicos (CGEE), Brasília, 2010-2017.
- Principal Country Officer of the World Bank for Brazil - 1996-2006;
- Vice-Minister of Planning (Executive Secretary) of Brazil -1992-93
- Secretary for Extraordinary Affairs, Ceará State -1989-90;
- Secretary of Planning of the Ceará State- 1987-88
- Adviser of the Minister of Planning of Brazil for Regional Policies - 1986
- Director of regional development planning and programs, and vice-President of the Research Institute of Applied Economy (IPEA), of the Ministry of Planning of Brazil – 1979-85
- Expert on economic development (Bank of the Northeast, 1969-71) and on development planning (IPEA, 1971-79)
- Distinguished Visiting Professor of World Peace Texas University - Austin, 1995-96 – Professor at the Lyndon Johnson School of Public Policies
- Professor of Economics - Federal University of Ceará – 1969-71

- Member of the IPCC. Review Editor of the IPCC Report, Adaptation - 2007.

- Co-coordinator of the PBMC – Painel Brasileiro sobre Mudanças Climáticas, MCTI-MMA, 2013-2014

- President of the Science and Technology Committee (SCT) of the United Nations Convention to Combat Desertification, Bonn, Germany, 2013-2015.
- Former Member of the Scientific Committee of the UNEP Climate Programme

- Founder and President of the Esquel Group Foundation – Brazil – 1992 – 1996, a NGO devoted to the promotion and advocacy of sustainable development policies, particularly in semi-arid Northeast. Esquel organized the CONSLAD Conference in 1994, key to the preparation of the Latin-American annex to UNCCD
- Founder and Member of the Steering Council of Associação Caatinga (conservation of the dryland biome of the Caatinga, Northeast Brazil), 2003-05

Main publications

- *Antonio Rocha Magalhães e Jurgen Schmandt, Org, The Road to Sustainable Development: A guide for Nongovernmental Organizations, The University of Texas at Austin, 1998*
- *Antonio Rocha Magalhães, Org: Sustainable Development: Implications for World Peace, The University of Texas at Austin, 1997;*
- *Jessé C. Ribot, Antonio R. Magalhães and Stahis S. Panagides, Climate Variability, Climate Change and Social Vulnerability in the Semi-arid Tropics, Cambridge University Press, 1996* A Questão da Produção e do Abastecimento Alimentar no Brasil – Um Diagnóstico Macro com Cortes Regionais. SEPLAN-IPEA-IPLAN-PNUD-ABC. Brasília, 1988.
- *Ministério do Planejamento/Ipea: Northeast: A Strategy for Sustainable Development – Áridas Project, 1995.*
- *Antonio R. Magalhães and Michael H. Glantz (ed): Socioeconomic Impacts of Climate Variations and Policy Responses in Brazil, UNEP/GOV. CEARÁ/ESQUEL FOUNDATION, 1992;*
- *Antonio Rocha Magalhães, org: Respostas Governamentais às Secas: A Experiência de 1987 no Nordeste (Governmental Responses to Drought: the Experience of 1987 in the Brazilian Northeast), Government of Ceará, 1991*
- *Antonio R. Magalhães, Understanding the Implications of Global Warming in Developing Regions: The Case of Northeast Brazil; in Jurgen Schmandt and Judith Clarkson (ed), The Regions and Global Warming: Impacts & Response Strategies, Oxford University Press, 1992).*
- *Gustavo Maia Gomes, Herminio Ramos de Souza e Antonio Rocha Magalhães (Org). Desenvolvimento Sustentável no Nordeste. IPEA, Brasília, 1995.*
- *Gustavo Maia Gomes, Herminio Ramos de Souza e Antonio Rocha Magalhães. O Nordeste na Conferência Internacional sobre Impactos de Variações Climáticas e Desenvolvimento Sustentável em Regiões Semi-Áridas (ICID). In: Gustavo Maia Gomes et al, op. cit, IPEA, Brasília, 1995.*
- *Antonio R. Magalhães et al: The Effects of Climatic Variations on Agriculture in Northeast Brazil, in M. L. Parry, T.R.Carter and N.T.Konijn, The Impact of Climatic Variations on Agriculture, Vol 2: Assessment in Semi-arid Regions, UNEP/IAASA, Kluwer Academic Publishers, London, 1988*
- *Antonio Rocha Magalhães and Pennie Magee. The Brazilian Nordeste (Northeast). In: Michael H. Glantz. Drought Follows the Plow. Cambridge University Press, 1994.*
- *Antonio Rocha Magalhães. Alternativas para o Semiárido: Desenvolvimento Sustentável. In: Francisco de Assis de Souza Filho e Antonio Divino Moura (org): Memórias do Seminário Natureza e Sociedade nos Semi-áridos. FUNCEME, Fortaleza, 2002.*
- *Antonio Rocha Magalhães. Nordeste: Uma Estratégia em Seis Dimensões. In: Benedito Vasconcelos Mendes (Org): Grandes Ideias para o Desenvolvimento do Semiárido. Universidade Federal do Semiárido, Rio Grande do Norte, 2007.*
- *Antonio Rocha Magalhães (Coord). A Questão da Água no Nordeste. CGEE/ANA-Agência Nacional de Águas, Brasília, 2011.*

- *Eduardo Sávio Passos Rodrigues Martins e Antonio Rocha Magalhães. A Seca de 2012-2015 no Nordeste e seus Impactos. Revista Parcerias Estratégicas, Vol. 20, Número 41, Dezembro de 2015, Brasília.*
- *Antonio Rocha Magalhães (Coordenador). Plano de Ciência, Tecnologia e Inovação para o Desenvolvimento Sustentável do Nordeste Brasileiro. CGEE, Brasília, 2014*
- *Antonio Rocha Magalhães and Eduardo Savio Martins. Drought and Drought Policy in Brazil. In: Manava V. K. Sivakumar, Raymond P. Motha, Donald A. Wilhite, John J. Qu: Towards a Compendium on National Drought Policy. World Meteorological Organization, Geneva, 2011.*
- *Erwin De Nys, Nathan L. Engle, Antonio Rocha Magalhães (Eds). Drought in Brazil: Proactive Management and Policy. CRC Press, New York, 2016.*
- *Antonio Rocha Magalhães. Life and Drought in Brazil. In: Erwin De Nys, Nathan L. Engle, Antonio Rocha Magalhães (Eds), op. cit 2016.*
- *Erwin De Nys, Nathan L. Engle, Antonio Rocha Magalhães (Org). Secas no Brasil: Política e Gestão Proativas. CGEE/Banco Mundial, Brasília, 2016.*
- *Antonio Rocha Magalhães. Vida e Seca no Brasil. In: De Nys, Engle, Magalhães (Op. Cit), 2016.*

Languages: Portuguese (mother tongue), English (fluent), Germany, French and Spanish (reading).

Brasilia, May 2017