

ROBERTO A. SANCHEZ- RODRIGUEZ

EDUCATION

1980-1984 Ph.D. in Regional and Urban Planning
(Dr. Rer.Pol. in Raumplanung)
Institut für Raumplanung, University of
Dortmund, Dortmund, West-Germany
Dissertation Title: Oil Impact and Development
Possibilities of a Mexican Oil Region: the Case
of Tabasco.

RECENT INTERNATIONAL ACTIVITIES

- 2014-2016 Member of the Board of Directors of MISTRA Urban Futures, an international research center in Gothenburg, Sweden.
- 2012-2015 International Advisory Team for the International Social Science Council (ISSC). World Social Science (WSS). Fellows Programme.
- 2012-2015 Scientific Committee of the International Council of Science Unions / International Social Science Council Young Scientist International Networking Conference on Integrated Science.
- 2011-2013 Transition Team for the Earth System Sustainability Initiative sponsored by the International Council of Scientific Unions (ICSU), the International Social Science Council (ISSC), United Nations Environmental Programme, and the United Nations University (UNU).
- 2010-2014 Lead Author Chapter 15 Adaptation Planning and Implementation, Working group II, *Fifth Assessment Report of the Intergovernmental Panel on Climate Change (IPCC)*.
- 2010-2012 Lead Author chapter 3 Land, *Fifth Global Environmental Outlook (GEO5)*, United Nations Environmental Programme (UNEP).
- 2011-2012 United Nations Environmental Programme (UNEP) expert panel for “New Foresight Process Initiative: 21 Issues for the 21st Century.
- 2008- Co-chair of the Scientific Steering Committee of the IHDP and Future Earth Core Project on Urbanization and Global Environmental Change.

RECENT PROFESSIONAL EXPERIENCE

2010-

Professor, Department of Urban and Environmental Studies, El Colegio de la Frontera Norte, Mexico.

2010-

Member of Mexico's National System of Researchers (currently level III).

2010-

Emeritus professor, Department of Environmental Sciences, University of California Riverside.

2010

Design and Coordination, International Workshop on Urban Responses to Climate Change: Policies and Strategies for Latin America and the Caribbean. United Nations Economic Commission for Latin America (ECLAC) and the Inter American for Global Change (IAI). Santiago de Chile, November 1-6, 2010.

2008-2009

Visiting professor at the Institute of Environmental Science and Technology, Universidad Autónoma de Barcelona (sabbatical leave).

2003-2008

Director of the University of California Institute for Mexico and the United States (UC MEXUS)

2003-2010

Professor, Department of Environmental Sciences, University of California, Riverside

1997- 2003

Associate Professor in Environmental Studies, University of California in Santa Cruz.

RECENT SELECTED PUBLICATIONS

Books

Sánchez-Rodríguez, R. (Editor) (2013). *Respuestas Urbanas al Cambio Climático en América Latina*. Santiago de Chile: Naciones Unidas, Instituto Interamericano de Cambio Global y Comisión Económica de Naciones Unidas para América Latina (CEPAL).

Sanchez Rodriguez, R. (2011). *Eco-efficient and sustainable urban infrastructure in Asia and Latin America. Eco-efficient and sustainable infrastructure in the United States and Canada*. Santiago de Chile: United Nations.

Sánchez, Rodríguez, R. y Bonilla, A. (Editores) (2007). *Urbanization, Global Environmental Change, and Sustainable Development in Latin America*. San Jose dos Campos, Brazil: InterAmerican Institute for Global Change, United Nations Environmental Program, Instituto Nacional de Ecología.

Books Chapters

Sanchez- Rodriguez, R. (2015) Adaptation to climate change in rapidly growing cities. In: Seto, K., Solocki, W., Griffin, C. eds. *Handbook on Urbanization and Global Environmental Change*. London, Routledge.

Sánchez Rodríguez, R. y Cavazos, T (2015). Capitulo 1: Amenazas naturales, sociedad y desastres. En: T. Cavazos (ed.), *Conviviendo con la Naturaleza. El Problema de los Desastres Asociados a Fenómenos Hidrometeorológicos y Climáticos en México* (pp 7-29). México, Centro Nacional de Prevención de Desastres (CENAPRED), Instituto Nacional de Ecología y Cambio Climático (INECC).

Sánchez Rodríguez, Morales, A., Cavazos, T. (2015) Plan Estratégico Nacional para la prevención y la reducción del riesgo de desastres asociados a eventos hidrometeorológicos y climáticos en México. En: T. Cavazos (ed.), *Conviviendo con la Naturaleza. El Problema de los Desastres Asociados a Fenómenos Hidrometeorológicos y Climáticos en México* (67-78). México, Centro Nacional de Prevención de Desastres CENAPRED, Instituto Nacional de Cambio Climático (INECC).

Mimura, N., R.S. Pulwarty, D.M. Duc, I. Elshinnawy, M.H. Redsteer, H.Q. Huang, J.N. Nkem, and R.A. Sanchez-Rodriguez (2014). Adaptation planning and implementation. In: *Climate Change 2014: Impacts, Adaptation, and Vulnerability. Part A: Global and Sectoral Aspects. Contribution of Working Group II to the Fifth Assessment Report of the Intergovernmental Panel on Climate Change* [Field, C.B., V.R. Barros, D.J. Dokken, K.J. Mach, M.D. Mastrandrea, T.E. Bilir, M. Chatterjee, K.L. Ebi, Y.O. Estrada, R.C. Genova, B. Girma, E.S. Kissel, A.N. Levy, S. MacCracken, P.R. Mastrandrea, and L.L. White (eds.)]. Cambridge University Press, Cambridge, United Kingdom and New York, NY, USA, pp. 869-898.

Sánchez Rodríguez, R. (2013). Vulnerabilidad y adaptación al cambio climático. En R. Sánchez-Rodríguez (ed.), *Respuestas Urbanas al Cambio Climático en América Latina* (pp. 71-118). Santiago de Chile: Naciones Unidas, Instituto Inter Americano de Cambio Global y Comisión Económica de Naciones Unidas para América Latina (CEPAL).

Sánchez Rodríguez, R. Y Mumme, Stephen (2013). Protecting the Environment? En P. Smith y A. Selee (eds.), *Mexico and the United States. The Politics of Partnership* (pp. 139-160). Boulder, CO: Lynne Rienner Publishers.

Sánchez- Rodríguez, R. (2012). Understanding and Improving Urban Responses to Climate Change. Reflections for an Operational Approach to Adaptation in Low and Middle-Income Countries. En D. Hoornweg, M. Freire, M. J. Lee, P. Bhada-Tata, B.

Yuen (Eds.), *Cities and Climate Change. Responding to an Urgent Agenda. Vol. 2* (pp. 452-469). Washington, D.C.: The World Bank.

Coordinating lead authors: Hunsberger, C. y Evans, T. Lead authors: Aide, M., Albaladejo Montoro, J., Borrás Jr., S., del Valle, H., Devisscher, T., Jabbour, J., Kant, S., Lopez-Carr, D., Masundire, H., Pricope, N., Sanchez-Rodriguez, R. Contributing authors: Abdelhamid, M., Alfthan, B., Ayache, F., Asefaw Berhe, A., Chinweze, C., Frelichova, J., Hislop, J., Pan, W., Schulte-Herbrüggen, B., Smith, J., Souza Jr., C., Timmins, J. y Zulu, C. (2012). Chapter 3. Land. United Nations Environmental Programme. En *GEO5 Global Environmental Outlook. Environment for the Future We Want* (pp. 65-96). Nairobi, Kenya: United Nations Environmental Programme.

Sánchez Rodríguez, R. (2012). La Búsqueda de un Desarrollo Sustentable en la Ciudad de México: El Caso del Agua. En S. Martínez-Rivera y Y. Trápaga- Delfín (Coords), *Construyendo Ciudades Sustentables: Experiencias de Pekín y la Ciudad de México* (pp. 117-132). México, D.F.: Universidad Nacional Autónoma de México.

Sánchez Rodríguez, R. (2012). El Cambio Climático y la Ciudad de México. Retos y Oportunidades. En M. Ondorica y J. F. Prud'homme (eds.), *Los grandes problemas de México. Edición abreviada. I Población* (pp. 243-246). México: El Colegio de México.

Sánchez- Rodríguez, R. (2011). Urban and social vulnerability to climate variability in Tijuana, México. En R. Kasperson y M. Berberian (eds.), *Integrating Science and Policy. Vulnerability and Resilience in Global Environmental Change* (pp. 187-214). London: Earthscan.

Major, D. y Omojola, A., Dettinger, M., Hanson, R., Sánchez Rodríguez, R. (2011). Water and Wastewater. En C. Rosenzweig, W. Soleki, S. Hammer, S. Mehrota (eds.), *Climate Change and Cities. First Assessment of the Urban Climate Change Research Network* (pp. 111-141). London: Cambridge Press.

Sánchez Rodríguez, R. (2011). Chapter 6 Internalization of Climate Risks in the Context of Planning and Urban Development. In: United Nations Development Programme. *Paving the Way for Climate Resilient Infrastructure: Guidance for Practitioners and Planners* (pp. 64-79). New York, New York: United Nations Development Programme.

Sánchez Rodríguez, R. (2010). El Cambio Climático y la Ciudad de México. Retos y Oportunidades. En J. L. Lezama y B. Graizbord (eds.), *El Medio Ambiente Hoy. Una Visión de Futuro. Mexico en los Albores del Siglo XXI* (pp. 193-226). México: El Colegio de México.

Recent Articles Published in Peer-Reviewed Journals

Sánchez, Rodríguez, R. (2014). Reflexiones sobre la frontera. Una búsqueda de esquemas de investigación alternativos. *Frontera Norte* 26, núm. especial 3: XXV aniversario: 99-118.

Biermann, F., Abott, K., Andersen, S., Backstrand, K., Berstein, S., Betsill, M., Burkeley, H., Cashore, B., Clapp, J., Folke, C., Gupta, A., Gupta, J., Haas, P., Jordan, A., Kanie, N., Klunankova,-Oravska, T., Lebel, L., Liverman, D., Meadowcroft, J., Mitchell, R., Newell, P., Oberthur, S., Olsson, L., Pattberg, P., Sánchez- Rodríguez, R., Chroeder, H., Underdal, A., Camargo Veira, S., Vogel, C., Young, O., Brok, A., Zondervan, R. (2012). Navigating the Anthropocene: Improving Earth System Governance. *Science* 335: 1306-1307.

Jabbour, J., Keita-Ouane, F., Hunsberger, C., Sánchez-Rodríguez, R., Gilruth, P., Patel, N., Singh, A., Levy, M., Schwarzer, S. (2012). Internationally agreed environmental goals: A critical review of progress. *Environmental Development* 3: 5-24.

Biermann, F., Abott, K., Andersen, S., Backstrand, K., Berstein, S., Betsill, M., Burkeley, H., Cashore, B., Clapp, J., Folke, C., Gupta, A., Gupta, J., Haas, P., Jordan, A., Kanie, N., Klunankova,-Oravska, T., Lebel, L., Liverman, D., Meadowcroft, J., Mitchell, R., Newell, P., Oberthur, S., Olsson, L., Pattberg, P., Sánchez- Rodríguez, R., Chroeder, H., Underdal, A., Camargo Veira, S., Vogel, C., Young, O., Brok, A., Zondervan, R. (2012). Transforming governance and institutions for global sustainability: key insights from the Earth System Governance Project. *Current Opinion in Environmental Sustainability* 4:1-10.

Seto, K., Sánchez Rodríguez, R., Fragkias, M. (2010). The new geography of contemporary urbanization and the environment. *Annual Review of Environment and Resources* 35: 167-194.

Lahsen, M., Sánchez Rodríguez, R., Romero Lankao, P., Dube, P., Leemans, R., Gaffney, O., Mirza, M., Pinho, P., Osman-Elasha, B., Stafford Smith, M. (2010). Impacts, adaptation and vulnerability to global environmental change: challenges and pathways for an action-oriented research agenda for middle-income and low-income countries. *Current Opinion in Environmental Sustainability* 2: 364-374.

Sánchez, Rodríguez, R. (2009). Learning to Adapt in Urban Areas. A Review of Recent Contributions. *Current Opinion in Environmental Sustainability* 1 (2): 201-206.

Other Recent Publications

Simon, D., Fragkias, M., Leichenko, Sánchez-Rodríguez, R., Seto, K. Solecki, W. (2013). *The Green Economy and the Prosperity of Cities. UN-HABITAT Background Paper for the State of World Cities Report 2012/3*: p. 48.

Agard, J., Alcamo, J., Biermann, F., Colls, A., Falkenmarrk, M., Folke, C., Glantz, M., Gordon, Ch., Goversen, T., Gramberg, M., Harding, R., Frug, T., Leemans, R., Sunday, L. Shuzo, N., Osibanjo, O., Peduzzi, P., Pratt, C., Sanchez-Rodriguez, R., Scholes, M., Shukla, P., Singh, A., Srivastava, L., Stocking, M., Vogel, C., Xia, J., Young, O., Zhang, L. (2012) *21 Issues for the 21st Century. Results of the UNEP Foresight Process*

on Emerging Environmental Issues. Alcamo, J., Leonard, S., Peduzzi, P., Singh, A., eds. United Nations Environmental Programme (UNEP), Nairobi, Kenya. 56 pp.

Biermann, F., Abott, K., Andersen, S., Backstrand, K., Berstein, S., Betsill, M., Burkeley, H., Cashore, B., Clapp, J., Folke, C., Gupta, A., Gupta, J., Haas, P., Jordan, A., Kanie, N., Klunankova, -Oravska, T., Lebel, L., Liverman, D., Meaddowcroft, J., Mitchell, R., Newell, P., Oberthur, S., Olsson, L., Pattberg, P., Sánchez- Rodríguez, R., Chroeder, H., Underdal, A., Camargo Veira, S., Vogel, C., Young, O., Brok, A., Zondervan, R. (2012) *Transforming governance and institutions fro a planet under pressure. Revitalizing the institutional framework for global sustainability: Key insights from social science research. Rio+20 Policy Brief #3*. IGBP, IHDP, ESSP, ICSU, DIVERSITAS, WCRP. 8pp.

Sánchez Rodríguez, R. “Chapter 6 Internalization of Climate Risks in the Context of Planning and Urban Development.” En: United Nations Development Programme (2011). *Paving the Way for Climate Resilient Infrastructure: Guidance for Practitioners and Planners*. New York, New York: United Nations Development Programme: 64-79.

Sánchez Rodríguez, R. (2010) “Rediscovering Urban Societies in the 21st Century: A Role for UGEC.” UGEC Viewpoints 4: 4-6.

LANGUAGE COMPETENCY

Spanish - fluent, English - fluent, German - proficient, French - proficient.