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## Appendix IV

# Publications relevant to IIASA-Mexico collaborations (2010-2017)

The publication list contains only publications authored by IIASA-affiliated researchers and:

- About Mexico, or
- the IIASA author is a national of Mexico, or
- the IIASA author has collaborated with a researcher based at an institute in Mexico.

## 2017

1. Collins A, Tatano H, James W, et al. (2017) The 3rd Global Summit of Research Institutes for Disaster Risk Reduction: Expanding the Platform for Bridging Science and Policy Making. International Journal of Disaster Risk Science 8(2):224-230 DOI:10.1007/s13753-017-0123-z

2. Corona-Núñez RO, Mendoza Ponce A, & López-Martínez R (2017). Model selection changes the spatial heterogeneity and total potential carbon in a tropical dry forest. Forest Ecology and Management 405: 69-80. DOI:10.1016/j.foreco.2017.09.018.

3. Dalin C, Wada Y, Kastner T, & Puma MJ (2017). Groundwater depletion embedded in international food trade. Nature 543: 700-704. DOI:10.1038/nature21403.

4. Herrera-Estrada JE, Satoh Y, & Sheffield J (2017). Spatiotemporal Dynamics of Global Drought. Geophysical Research Letters 44 (5): 1-25. DOI:10.1002/2016GL071768.

5. Lopez-Maldonado Y, Batllori-Sampedro E, Binder CR, & Fath B (2017). Local groundwater balance model: stakeholders' efforts to address groundwater monitoring and literacy. Hydrological Sciences Journal 62 (14): 2297-2312. DOI:10.1080/02626667.2017.1372857.

6. Nava LF (2017). Peer review report 3 on "Economic Effects of a Reservoir Re-operation Policy in the Rio Grande/Bravo for Integrated Human and Environmental Water Management". Journal of Hydrology: Regional Studies 9: p. 152. DOI:10.1016/j.ejrh.2016.12.048.

7. Nava LF (2017). Water Security through Institutional Resilience in the Transboundary Paso del Norte Region. In: World Environmental and Water Resources Congress, 21-25 May, 2017, Sacramento, California.

8. Raul IR & Tellez Leon E (2017). Are all types of capital flows driven by the same factors? Evidence from Mexico. Banco de Mexico

9. Satoh Y, Kahil T, Byers E, Burek P, Fischer G, Tramberend S, Greve P, Flörke M, et al. (2017). Multi-model and multi-scenario assessments of Asian water futures: the Water Futures and Solutions (WFaS) initiative. Earth's Future 5 (7): 823-852. DOI:10.1002/2016EF000503.

10. van den Berg T, Campbell B, Corona R, Croal P, Jongejans P, Kohoff A, Kornov L, Mason D, et al. (2017). Environmental Assessment for Climate Smart Decision Making: Good practice cases. Netherlands Commission for Environment Assessment

11. van Soest HL, Aleluia Reis L, Drouet L, van Vuuren DP, den Elzen MGJ, Tavoni M, Akimoto K, Calvin KV, et al. (2017). Low-emission pathways in 11 major economies: comparison of cost-optimal pathways and Paris climate proposals. Climatic Change 142 (3-4): 491-504. DOI:10.1007/s10584-017-1964-6.

12. Wiberg D, Satoh Y, Burek P, Fischer G, Tramberend S, Kahil T, Flörke M, Eisner S, et al. (2017). Water Futures and Solutions: Asia 2050 (Final Report). Knowledge and Innovation Support for the Water Financing Program of the Asian Development Bank (RETA 6498). IIASA, Laxenburg, Austria (Submitted)

## 2016

13. Burek P, Satoh Y, Fischer G, Kahil MT, Scherzer A, Tramberend S, Nava LF, Wada Y, et al. (2016). Water Futures and Solution - Fast Track Initiative (Final Report). IIASA Working Paper. IIASA, Laxenburg, Austria: WP-16-006

14. De Almeida AT, Ekenberg L, Geiger MJ, Leyva Lopez JC, Morais D (2016) Building mathematical models for multicriteria and multiobjective applications. Mathematical Problems in Engineering 2016 DOI:10.1155/2016/185767

15. Den Elzen M, Admiraal A, Roelfsema M, van Soest H, Hof AF, & Forsell N (2016). Contribution of the G20 economies to the global impact of the Paris agreement climate proposals. Climatic Change 137 (3): 655-665. DOI:10.1007/s10584-016-1700-7.

16. Eaton D, Niemeyer S, Lander A, & Nava LF (2016). Towards an English-Spanish version of the Comprehensive Transboundary International Water Quality Management Agreement. In: World Environmental & Water Resources Congress, 22-26 May 2016, West Palm Beach, Florida.

17. Feijoo F, Huppmann D, Sakiyama L, & Siddiqui S (2016). North American Natural Gas Model Impact of Cross-Border Trade with Mexico. DIW Discussion Paper 1553. Berlin, Germany

18. Feijoo F, Huppmann D, Sakiyama L, & Siddiqui S (2016). North American natural gas model: Impact of cross-border trade with Mexico. Energy 112: 1084-1095. DOI:10.1016/j.energy.2016.06.133.

19. Liu B, Asseng S, Müller C, et al. (2016) Similar estimates of temperature impacts on global wheat yield by three independent methods. Nature Climate Change 6(12):1130-1136 DOI:10.1038/nclimate3115

20. Nava LF (2016). Realidad o quimera de los futuros conflictos hídricos: el caso de la cuenca del Río Grande/Bravo. In: Seminario Permanente: Fronteras Teórico-Conceptuales y Metodológicas en los Estudios Urbanos, del Medio Ambiente y el Territorio, 14-16 March 2016, Universidad de Guanajuato, Mexiko.

21. Nava LF, Brown C, Demeter K, Lasserre F, Milanes-Murcia M, Mumme S, & Sandoval-Solis S (2016). Existing opportunities to adapt the Rio Grande/Bravo Basin

Water Resources Allocation Framework. Water 8 (7): e291. DOI:10.3390/w8070291.

22. OECD IEA IIASA (2016). Energy and Air Pollution: World Energy Outlook Special Report 2016. International Energy Agency,Paris, France

23. Wollenberg E, Richards M, Smith P, et al. (2016) Reducing emissions from agriculture to meet the 2 °C target. Global Change Biology 22(12):3859-3864 DOI:10.1111/gcb.13340

## 2015

24. Ermolieva T, Yermoliev Y, Atoyev KL, Golodnikov OM, Gorbachuk VM, Kiriljuk VS, & Knopov PS (2015). Development of Robust Land-use Decisions in Eastern Europe under Technology, Climate, and System Change: The Case of Ukraine. In: Systems Analysis 2015 - A Conference in Celebration of Howard Raiffa, 11 -13 November, 2015, Laxenburg, Austria.

25. Gandin J & Nava LF (2015). Geopolitica del medio ambiente: Cambio climatico y recursos hidricos. Aproximacion al caso de Canada. Revista Abaco 3 (85): 121-131.

26. Nava LF & Sandoval-Solis S (2015). A lock-in Transboundary Water Management Regime: the case of the Rio Grande/Bravo Basin. In: World Water Congress, 25- 29 May 2015, Edinburgh, Scotland.

27. Poledna S, Molina-Borboa JL, Martinez-Jaramillo S, van der Leij M, & Thurner S (2015). The multi-layer network nature of systemic risk and its implications for the costs of financial crises. Journal of Financial Stability 20: 70-81. DOI:10.1016/j.jfs.2015.08.001.

28. Saldaña-Zorilla SO (2015). Assessment of disaster risk management in Mexico. Disaster Prevention and Management 24 (2): 230-248. DOI:10.1108/DPM-11-2013-0201.

29. Saldaña-Zorrilla S O (2015). Spatial model of incomes and migration. In: Natural Disasters, Foreign Trade and Agriculture in Mexico. pp. 69-88 Cham, Switzerland: Springer International Publishing. ISBN 978-3-319-17359-7 DOI:10.1007/978-3-319-17359-7_5.

30. Saldaña-Zorrilla Sergio O (2015). Disaster risk management assessment. In: Natural Disasters, Foreign Trade and Agriculture in Mexico. pp. 49-67 Cham, Switzerland: Springer International Publishing. ISBN 978-3-319-17359-7 DOI:10.1007/978-3-319-17359-7_4.

31. Saldaña-Zorrilla SO (2015). Conclusions. In: Natural Disasters, Foreign Trade and Agriculture in Mexico. pp. 113-116 Cham, Switzerland: Springer International Publishing. ISBN 978-3-319-17359-7 DOI:10.1007/978-3-319-17359-7_7.

32. Saldaña-Zorrilla SO (2015). Introduction (Natural Disasters, Foreign Trade and Agriculture in Mexico). In: Natural Disasters, Foreign Trade and Agriculture in Mexico. pp. 1-4 Cham, Switzerland: Springer International Publishing. ISBN 9 DOI:10.1007/978-3-319-17359-7_1.

33. Saldaña-Zorrilla SO (2015). Natural Disasters, Foreign Trade and Agriculture in Mexico. Public Policy for Reducing Economic Vulnerability. Cham, Switzerland: Springer International Publishing. ISBN 978-3-319-17359-7 DOI:10.1007/978-3-319-17359-7.

34. Saldaña-Zorrilla SO (2015). Natural hazards and economic stressors. In: Natural Disasters, Foreign Trade and Agriculture in Mexico. pp. 25-48 Cham, Switzerland: Springer International Publishing. ISBN 978-3-319-17359-7 DOI:10.1007/978-3-319-17359-7_3.

35. Saldaña-Zorrilla SO (2015). Stakeholders' views in reducing vulnerability and resilience building. In: Natural Disasters, Foreign Trade and Agriculture in Mexico. pp. 89-112 Cham, Switzerland: Springer International Publishing. ISBN 978-3-319-17359-7 DOI:10.1007/978-3-319-17359-7_6.

36. Thurner S (2015). Management of Systemic Risk. In: Systems Analysis 2015 - A Conference in Celebration of Howard Raiffa, 11 -13 November, 2015, Laxenburg, Austria.

37. Tramberend S, Wiberg D, Wada Y, Flörke M, Fischer G, Satoh Y, Yillia P, van Vliet M, et al. (2015). Building global water use scenarios. IIASA Interim Report. IIASA, Laxenburg, Austria: IR-15-014

## 2014

38. Willmore L (2014). Towards Universal Pension Coverage in Mexico. Briefing No. 13 (Pension Watch Series), HelpAge International, London, UK

## 2013

39. Frost GJ, Middleton P, Tarrasón L, et al. (2013) New Directions: GEIA's 2020 vision for better air emissions information. Atmospheric Environment 81:710-712 DOI:10.1016/j.atmosenv.2013.08.063

40. Prado-Lopez V, Stewart T, Makowski M, & von Winterfeldt D (2013). Value measurement analysis of energy tradeoffs in South Africa. In: Proceedings of the International Symposium on Sustainable Systems and Technologies (ISSST), Vol.1, 18-21 May 2013.

41. Skirbekk V, Stonawski M, & Weber D (2013). Could nations invest in cognitive skills and become effectively younger? SAGW Bulletin 1/2013, Swiss Academy of Humanities and Social Sciences, Bern, Switzerland pp.48-49 (January 2013)

42. Smith P, Haberl H, Popp A, et al. (2013) How much land-based greenhouse gas mitigation can be achieved without compromising food security and environmental goals? Global Change Biology 19(8):2285-2302 DOI:10.1111/gcb.12160

## 2012

43. Lim SS, Vos T, Flaxman AD, et al. (2012) A comparative risk assessment of burden of disease and injury attributable to 67 risk factors and risk factor clusters in 21 regions, 1990-2010: A systematic analysis for the Global Burden of Disease Study 2010. The Lancet 380(9859):2224-2260 DOI:10.1016/S0140-6736(12)61766-8

44. Lutz W, Butz WP, Castro M, Dasgupta P, Demeny PG, Ehrlich I, Giorguli S, Habte D, et al. (2012). Demography's role in sustainable development. Science 335 (6071) DOI:10.1126/science.335.6071.918-a.

## 2011

45. Fischer G (2011). How can climate change and the development of bioenergy alter the long-term outlook for food and agriculture. In: Looking Ahead in World Food and Agriculture: Perspectives to 2050. Eds. Conforti, P, Rome: FAO.

46. Hochrainer-Stigler S & Mechler R (2011). Natural disaster risk in Asian megacities: A case for risk pooling? Cities 28 (1): 53-61. DOI:10.1016/j.cities.2010.09.001.

## 2010

47. Nakicenovic N (2010). Energy for a sustainable future. The Secretary-General's Advisory Group on Energy and Climate Change (AGECC): Summary and Recommendations, 28 April 2010, New York, NY, USA