

Publications relevant to IIASA-Japanese collaborations (2010-2017)

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

1. About Japan, or
2. the IIASA author is a national of Japan, or
3. the IIASA author has collaborated with a researcher based at an institute in Japan.

2017

- 1) Alexander P, Prestele R, Verburg PH, Arneth A, Baranzelli C, Batista e Silva F, Brown C, Butler A, et al. (2017). Assessing uncertainties in land cover projections. *Global Change Biology* 23: 767-781.
- 2) Asoka A, Gleeson T, Wada Y, & Mishra V (2017). Relative contribution of monsoon precipitation and pumping to changes in groundwater storage in India. *Nature Geoscience* 10 (2): 109-117.
- 3) Bauer N, Calvin K, Emmerling J, Fricko O, Fujimori S, Hilaire J, Eom J, Krey V, et al. (2017). Shared Socio-Economic Pathways of the Energy Sector – Quantifying the Narratives. *Global Environmental Change* 42: 316-330.
- 4) Boulay AM, Bare J, Benini L, Berger M, Lathuilière MJ, Manzardo A, Margni M, Motoshita M, Núñez M, Pastor AV et al. (2017). The WULCA consensus characterization model for water scarcity footprints: assessing impacts of water consumption based on available water remaining (AWARE). *International Journal of Life Cycle Assessment*: 1-11.
- 5) Burek P, Satoh Y, Greve P, Kahil T, & Wada Y (2017). The CommunityWater Model (CWATM) / Development of a community driven global water model. In: European Geosciences Union (EGU) General Assembly 2017, 23–28 April 2017, Vienna, Austria.
- 6) Callen J & Homma T. (2017). Lessons learned in protection of the public for the accident at the Fukushima Daiichi nuclear power plant. *Health Physics*: 112: 550-559.
- 7) Cherp A, Vinichenko V, Jewell J, Suzuki M, Antal M. (2017). Comparing electricity transitions: A historical analysis of nuclear, wind and solar power in Germany and Japan. *Energy Policy* 101: 612-628.
- 8) Collins A, Tatano H, James W, Wannous C, Takara K, Murray V, Scawthorn C, Mori J, 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*: 1-7.

- 9) Crespo Cuaresma J, Fortin I, & Hlouskova J (2017). Exchange rate forecasting and the performance of currency portfolios. IHS Economics Series 326.
- 10) Dalin C, Wada Y, Kastner T, & Puma MJ (2017). Groundwater depletion embedded in international food trade. *Nature* 543: 700-704.
- 11) Frieler K, Schauburger B, Arneth A, Balkovic J, Chryssanthacopoulos J, Deryng D, Elliott J, Folberth C, et al. (2017). Understanding the weather signal in national crop-yield variability. *Earth's Future*: 1-19. (In Press)
- 12) Hartmann A, Gleeson T, Wada Y, & Wagener T (2017). Enhanced groundwater recharge rates and altered recharge sensitivity to climate variability through subsurface heterogeneity. *Proceedings of the National Academy of Sciences* 114 (11): 2842-2847.
- 13) Hasegawa T, Fujimori S, Ito A, Takahashi K, & Masui T (2017). Global land-use allocation model linked to an integrated assessment model. *Science of the Total Environment* 580: 787-796.
- 14) Hattermann F F, Krysanova V, Gosling S N, Dankers R, Daggupati P, Donnelly C, Flörke M, Huang S, et al. (2017). Cross-scale intercomparison of climate change impacts simulated by regional and global hydrological models in eleven large river basins. *Climatic Change* 141 (3): 561-576.
- 15) He X, Wada Y, Wanders N, & Sheffield J (2017). Intensification of hydrological drought in California by human water management. *Geophysical Research Letters* 24 (4): 1777-1785.
- 16) Herrera-Estrada JE, Satoh Y, & Sheffield J (2017). Spatiotemporal Dynamics of Global Drought. *Geophysical Research Letters* 44 (5): 1-25.
- 17) Hochrainer-Stigler S, Mochizuki J, Williges K, & Mechler R (2017). Risk sensitizing future investment against disaster. In: IIASA Institutional Evaluation 2017, 27 February-1 March 2017, IIASA, Laxenburg, Austria.
- 18) Jasechko S, Perrone D, Befus KM, Bayani Cardenas M, Ferguson G, Gleeson T, Luijendijk E, McDonnell JJ, et al. (2017). Global aquifers dominated by fossil groundwaters but wells vulnerable to modern contamination. *Nature Geoscience* 10 (6): 425-429.
- 19) Kharrazi A & Kakuwa M (2017). Scenario projects in Japanese government: Strategic approaches for overcoming psychological and institutional barriers. *Futures* 86: 18-26.
- 20) Kharrazi A, Rovenskaya E, Fath BD. (2017). Network structure impacts global commodity trade growth and resilience. *PLoS ONE* 12 (2): e0171184
- 21) Kim M, Lee W-K, Choi G-M, Song C, Lim C-H, Moon J, Piao D, Kraxner F, et al. (2017). Modeling stand-level mortality based on maximum stem number and seasonal temperature. *Forest Ecology and Management* 386: 37-50.

- 22) Kraxner F, Schepaschenko D, Fuss S, Lunnan A, Kindermann G, Aoki K, Dürauer M, Shvidenko A, et al. (2017). Mapping certified forests for sustainable management - A global tool for information improvement through participatory and collaborative mapping. *Forest Policy and Economics* 83: 10-18.
- 23) Liu X, Tang Q, Cui H, Mu M, Gerten D, Godling SN, Masaki Y, Satoh Y, et al. (2017). Multimodel uncertainty changes in simulated river flows induced by human impact parameterizations. *Environmental Research Letters* 12 (2): 025009.
- 24) Luderer G, Pietzcker RC, Carrara S, de Boer H-S, Fujimori S, Johnson N, Mima S, & Arent D (2017). Assessment of wind and solar power in global low-carbon energy scenarios: An introduction. *Energy Economics* 64: 542-551.
- 25) Magnuszewski P, Mochizuki J, Keating A, French A, Liu W, Mechler R, & Linnerooth-Bayer J (2017). Smart gaming for informing policy. In: IIASA Institutional Evaluation 2017, 27 February-1 March 2017, IIASA, Laxenburg, Austria.
- 26) Masaki Y, Hanasaki N, Biemans H, Müller Schmied H, Tang Q, Wada Y, Gosling S, Takahashi K, et al. (2017). Intercomparison of global river discharge simulations focusing on dam operation --- Part II: Multiple models analysis in two case-study river basins, Missouri-Mississippi and Green-Colorado. *Environmental Research Letters* 12 (5): 055002.
- 27) Mochizuki J & Chang S (2017). Disasters as Opportunity for Change: Tsunami Recovery and Energy Transition in Japan. *International Journal of Disaster Risk Reduction* 21: 331-339. DOI:10.1016/j.ijdr.2017.01.009.
- 28) Mochizuki J & Komendantova N (2017). In Search of Perfect Foresight? Policy Bias, Management of Unknowns, and What Has Changed in Science Policy Since the Tohoku Disaster. *Risk Analysis* 37 (2): 219-230.
- 29) Mochizuki J, Keating A, Liu W, Hochrainer-Stigler S, & Mechler R (2017). An overdue alignment of risk and resilience? A conceptual contribution to community resilience. *Disasters*: 1-31. (In Press)
- 30) Müller C, Elliott J, Chryssanthacopoulos J, Arneth A, Balkovic J, Ciais P, Deryng D, Folberth C, Glotter M, Hoek S, Iizumi T, Izaurralde RC, Jones C, Khabarov N, Lawrence P, Liu W, Olin S, Pugh TAM, Ray DK, Reddy A, Rosenzweig C, Ruane AC, Sakurai G, Schmid E, Skalsky R, Song CX, Wang X, De Wit A, Yang H. (2017). Global gridded crop model evaluation: Benchmarking, skills, deficiencies and implications. *Geoscientific Model Development* 10: 1403-1422.

- 31) Myhre G, Aas W, Cherian R, Collins W, Faluvegi G, Flanner M, Forster P, Hodnebrog O, Klimont Z, Lund MT, Mülmenstädt J, Lund Myhre C, Olivié D, Prather M, Quaas J, Samset BH, Schnell JL, Schulz M, Shindell D, Skeie RB, Takemura T, Tsyro S. Multi-model simulations of aerosol and ozone radiative forcing due to anthropogenic emission changes during the period 1990-2015 (2017). *Atmospheric Chemistry and Physics* 17 (4): 2709-2720.
- 32) Naveed K, Watanabe C, & Neittaanmäki P (2017). Co-evolution between streaming and live music leads a way to the sustainable growth of music industry – Lessons from the US experiences. *Technology in Society* 50: 1-19
- 33) Parvinen K, Ohtsuki H, Wakano JY. (2017). The effect of fecundity derivatives on the condition of evolutionary branching in spatial models. *Journal of Theoretical Biology* 416: 129-143.
- 34) Pietzcker RC, Ueckerdt F, Carrara S, Sytze de Boer H, Després J, Fujimori S, Johnson N, Kitous A, et al. (2017). System integration of wind and solar power in Integrated Assessment Models: A cross-model evaluation of new approaches. *Energy Economics* 24: 583-599.
- 35) Pokhrel YN, Felfelani F, Shin S, Yamada TJ, & Satoh Y (2017). Modeling large-scale human alteration of land surface hydrology and climate. *Geoscience Letters* 4 (1): 1-13.
- 36) Popp A, Calvin K, Fujimori S, Havlik P, Humpenöder F, Stehfest E, Bodirsky BL, Dietrich JP, et al. (2017). Land-use futures in the shared socio-economic pathways. *Global Environmental Change* 42: 331-345.
- 37) Porwollik V, Müller C, Elliott J, Chryssanthacopoulos J, Iizumi T, Ray DK, Ruane AC, Arneth A, et al. (2017). Spatial and temporal uncertainty of crop yield aggregations. *European Journal of Agronomy* 88: 10-21.
- 38) Rao S, Klimont Z, Smith SJ, Van Dingenen R, Dentener F, Bouwman L, Riahi K, Amann M, et al. (2017). Future air pollution in the Shared Socio-economic Pathways. *Global Environmental Change* 42: 346-358.
- 39) Riahi K, van Vuuren DP, Kriegler E, Edmonds J, O'Neill B, Fujimori S, Bauer N, Calvin K, et al. (2017). The shared socioeconomic pathways and their energy, land use, and greenhouse gas emissions implications: An overview. *Global Environmental Change* 42: 153-168.
- 40) Saikawa E, Kim H, Zhong M, Avramov A, Zhao Y, Janssens-Maenhout G, Kurokawa JI, Klimont Z, Wagner F, Naik V, Horowitz LW, Zhang Q. Comparison of emissions inventories of anthropogenic air pollutants and greenhouse gases in China. *Atmospheric Chemistry and Physics* 2017; 17: 6393-6421.

- 41) Sasaki A & Mizuno AN (2017). Partitioning light spectra: adaptive stratification of phytoplankton communities in Antarctic lakes. *Journal of Theoretical Biology* 424: 1-10
- 42) Sato M, Kharrazi A, Nakayama H, Kraines S, & Yarime M (2017). Quantifying the supplier-portfolio diversity of embodied energy: Strategic implications for strengthening energy resilience. *Energy Policy* 105: 41-52.
- 43) 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* (In Press)
- 44) Shortall R & Kharrazi A (2017). Cultural factors of sustainable energy development: A case study of geothermal energy in Iceland and Japan. *Renewable and Sustainable Energy Reviews* 79: 101-109.
- 45) Siagian U, Yuwono B, Fujimori S, & Masui T (2017). Low-Carbon Energy Development in Indonesia in Alignment with Intended Nationally Determined Contribution (INDC) by 2030. *Energies* 10 (1): e52.
- 46) Slangen A B A, Adloff F, Jevrejeva S, Leclercq PW, Marzeion B, Wada Y, & Winkelmann R (2017). A Review of Recent Updates of Sea-Level Projections at Global and Regional Scales. *Surveys in Geophysics* 38 (1): 385–406-406.
- 47) Sood A, Smakhtin V, Eriyagama N, Villholth KG, Liyanage N, Wada Y, Ebrahim G, & Dickens C (2017). Global Environmental Flow Information for the Sustainable Development Goals. *IWMI Research Report* 168: 1-39.
- 48) Su X, Takahashi K, Fujimori S, Hasegawa T, Tanaka K, Kato E, Shiogama H, Masui T, et al. (2017). Emission pathways to achieve 2.0°C and 1.5°C climate targets. *Earth's Future*: 1-13.
- 49) Takakura Ju, Fujimori S, Takahashi K, Hijioka Y, Hasegawa T, Honda Y, & Masui T (2017). Cost of preventing workplace heat-related illness through worker breaks and the benefit of climate-change mitigation. *Environmental Research Letters* 12 (6): e064010.
- 50) 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* (In Press)
- 51) van Vuuren DP, Riahi K, Calvin K, Dellink R, Emmerling J, Fujimori S, KC S, Kriegler E, et al. (2017). The Shared Socio-economic Pathways: Trajectories for human development and global environmental change. *Global Environmental Change* 42: 148-152.

- 52) Veldkamp T, Wada Y, Aerts JCJH, Doell P, Gosling SN, Liu J, Masaki Y, Oki T, et al. (2017). Water scarcity hotspots travel downstream due to human interventions in the 20th and 21st century. *Nature Communications* 8: e15697.
- 53) Wada Y (2017). IIASA's Water Program: History, Strategy, and Progress. In: IIASA Institutional Evaluation 2017, 27 February-1 March 2017, IIASA, Laxenburg, Austria.
- 54) Wada Y (2017). Reducing water scarcity possible by 2050. In: IIASA Institutional Evaluation 2017, 27 February-1 March 2017, IIASA, Laxenburg, Austria.
- 55) Wada Y, Bierkens MFP, de Roo A, Dirmeyer Pa, Famiglietti JS, Hanasaki N, Konar M, Liu J, et al. (2017). Human-water interface in hydrological modeling: Current status and future directions. *Hydrology and Earth System Sciences Discussions*: 1-39. (In Press)
- 56) Watanabe C, Naveed K, & Neittaanmäki P (2017). Co-evolution between trust in teachers and higher education toward digitally-rich learning environments. *Technology in Society* 48 (1): 70-96.
- 57) Watanabe C, Naveed K, Neittaanmäki P, & Fox B (2017). Consolidated challenge to social demand for resilient platforms- lessons from Uber's global expansion. *Technology in Society* 48: 33-53.
- 58) White DJ, Hubacek K, Feng K, Sun L, & Meng B (2017). The Water-Energy-Food Nexus in East Asia: A tele-connected value chain analysis using inter-regional input-output analysis. *Applied Energy* (In Press)
- 59) 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)
- 60) Yu Y, Chen D, Hu S, Kharrazi A, Zhu B. (2017). Advancing factors influencing resource productivity through the use of the material utility framework. *Journal of Cleaner Production* 142: 1892-1900.
- 61) Yu Y, Zhou L, Zhou W, Ren H, Kharrazi A, Ma T, Zhu B. (2017). Decoupling environmental pressure from economic growth on city level: The Case Study of Chongqing in China. *Ecological Indicators* 75: 27-35.

2016

- 62) Alexander, P., Prestele, R., Verburg, P.H., Arneth, A., Baranzelli, C., Batista e Silva, F., Brown, C., Butler, A., Calvin, K., Dendoncker, N., Doelman, J.C., Dunford, R., Engström, K., Eitelberg, D., Fujimori, S., Harrison, P.A., Hasegawa, T., Havlik, P., Holzhauser, S., Humpenöder, F., Jacobs-Crisioni, C., Jain, A.K., Krisztin, T., Kyle, P., Lavalley, C., Lenton, T., Liu, J., Meiyappan, P., Popp, A., Powell, T., Sands, R.D., Schaldach, R., Stehfest, E., Steinbuks, J., Tabeau, A., van Meijl, H., Wise, M.A. and Rounsevell, M.D.A. (2016) Assessing uncertainties in land cover projections. *Global Change Biology*, 23. pp. 767-781.
- 63) Bauer, N., Calvin, K., Emmerling, J., Fricko, O., Fujimori, S., Hilaire, J., Eom, J., Krey, V., Kriegler, E., Mouratiadou, I., de Boer, H.S., van den Berg, M., Carrara, S., Daioglou, V., Drouet, L., Edmonds, J.E., Gernaat, D., Havlik, P., Johnson, N., Klein, D., Kyle, P., Marangoni, G., Masui, T., Pietzcker, R.C., Strubegger, M., Wise, M., Riahi, K. and van Vuuren, D.P. (2016) Shared Socio-Economic Pathways of the Energy Sector – Quantifying the Narratives. *Global Environmental Change*. (In Press)
- 64) Burek, P., Langan, S., Cosgrove, W., Fischer, G., Kahil, T., Magnuszewski, P., Satoh, Y., Tramberend, S., Wada, Y. and Wiberg, D. (2016) The Water Futures and Solutions Initiative of IIASA. IDRIM 2016 7th International Conference on Integrated Disaster Risk Management Disasters and Development: Towards a Risk Aware Society, October 1-3, 2016, Isfahan, Islamic Republic of Iran.
- 65) Burek, P., Satoh, Y., Fischer, G., Kahil, M.T., Scherzer, A., Tramberend, S., Nava, L.F., Wada, Y., Eisner, S., Flörke, M., Hanasaki, N., Magnuszewski, P., Cosgrove, B. and Wiberg, D. (2016) Water Futures and Solution - Fast Track Initiative (Final Report). IIASA Working Paper. IIASA, Laxenburg, Austria, WP-16-006
- 66) Cherp, A. and Jewell, J. (2016) Energy policy: Renewables targeted before Fukushima. *Nature*, 533 (7601). p. 36.
- 67) Cherp, A., Vinichenko, V., Jewell, J., Suzuki, M. and Antal, M. (2016) Comparing electricity transitions: A historical analysis of nuclear, wind and solar power in Germany and Japan. *Energy Policy*, 101. pp. 612-628.
- 68) Edelenbosch, O., McCollum, D., van Vuuren, D.P., Bertram, C., Carrara, S., Daly, H., Fujimori, S., Kitous, A., Ó Broin, E., Karkatsoulis, P. and Sano, F. (2016) Decomposing passenger transport futures: Comparing results of global integrated assessment models. *Transportation Research Part D: Transport and Environment*. (In Press)
- 69) Frederikse, T., Riva, R., Kleinherenbrink, M., Wada, Y., van den Broeke, M. and Marzeion, B. (2016) Closing the sea level budget on a regional scale: Trends and variability on the Northwestern European continental shelf. *Geophysical Research Letters*, 43 (20). 10,864-10,872.

- 70) Fujimori, S., Kubota, I., Dai, H., Takahashi, K., Hasegawa, T., Liu, J.-Y., Hijioka, Y., Masui, T., Takimi, M. (2016) Will international emissions trading help achieve the objectives of the Paris Agreement? *Environmental Research Letters*, 11 (10), art. no. 104001.
- 71) Fujimori, S., Su, X., Liu, J.-Y., Hasegawa, T., Takahashi, K., Masui, T., Takimi, M. (2016) Implication of Paris Agreement in the context of long-term climate mitigation goals. *SpringerPlus*, 5 (1), art. no. 1620.
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- 74) Hanasaki, N., Yoshikawa, S., Kakinuma, K. and Kanae, S. (2016) A seawater desalination scheme for global hydrological models. *Hydrology and Earth System Sciences*, 20 (10). pp. 4143-4157.
- 75) Hasegawa, T., Fujimori, S., Boer, R., Immanuel, G.S., Masui, T. (2016) Land-based mitigation strategies under the mid-term carbon reduction targets in Indonesia. *Sustainability (Switzerland)*, 8 (12), art. no. 1283.
- 76) Hasegawa, T., Fujimori, S., Ito, A., Takahashi, K. and Masui, T. (2016) Global land-use allocation model linked to an integrated assessment model. *Science of the Total Environment*. (In Press)
- 77) Hochrainer-Stigler, S., Desai, B., Keith, W., Maskrey, A., Mechler, R. and Mochizuki, J. (2016) Risk-sensitizing Future Investment Needed to Achieve the Sustainable Development Goals. *International Journal of Disaster Risk Reduction*. (In Press)
- 78) Hochrainer-Stigler, S., Mochizuki, J. and Pflug, G. (2016) Impacts of Global and Climate Change Uncertainties for Disaster Risk Projections: A Case Study on Rainfall-Induced Flood Risk in Bangladesh. *Journal of Extreme Events*, 3 (1). art.no.1650004.
- 79) Ito, H. and Sasaki, A. (2016) Evolutionary branching under multi-dimensional evolutionary constraints. *Journal of Theoretical Biology*, 407. pp. 409-428.
- 80) Keating, A., Campbell, K., Mechler, R., Magnuszewski, P., Mochizuki, J., Liu, W., Szoenyi, M. and McQuistan, C. (2016) Disaster resilience: What it is and how it can engender a meaningful change in development policy. *Development Policy Review*, 35 (1). pp. 65-91.

- 81) Khan, A., Richards, K.S., McRobie, A., Fischer, G., Wiberg, D., Burek, P. and Satoh, Y. (2016) Accuracy assessment of ISI-MIP modelled flows in the Hidukush-Karakoram-Himalayan basins. European Geosciences Union (EGU) General Assembly 2016, 17–22 April 2016, Vienna, Austria.
- 82) Kharrazi, A. and Kakuwa, M. (2016) Scenario projects in Japanese government: Strategic approaches for overcoming psychological and institutional barriers. *Futures*. (In Press)
- 83) Kharrazi, A., Akiyama, T., Yu, Y., Li, J. (2016) Evaluating the evolution of the Heihe River basin using the ecological network analysis: Efficiency, resilience, and implications for water resource management policy. *Science of the Total Environment*, 572, pp. 688-696.
- 84) Kharrazi, A., Fath, B.D. (2016) Measuring global oil trade dependencies: An application of the point-wise mutual information method. *Energy Policy*, 88, pp. 271-277.
- 85) Kharrazi, A., Fath, B.D., Katzmair, H. (2016) Advancing empirical approaches to the concept of resilience: A critical examination of panarchy, ecological information, and statistical evidence. *Sustainability (Switzerland)*, 8 (9), art. no. 935.
- 86) Komendantova, N, Ilmola-Sheppard, L. and Stepanova, A. (2016) Foreign direct investment in Russia: stakeholders' views and perceptions. *Journal of Economics and Behavioral Studies*, 8 (5). pp. 184-193.
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- 89) Kyle, P., Johnson, N., Davies, E., Bijl, D.L., Mouratiadou, I., Bevione, M., Drouet, L., Fujimori, S., Liu, Y., Hejazi, M. (2016) Setting the system boundaries of "energy for water" for integrated modeling. *Environmental Science and Technology*, 50 (17), pp. 8930-8931.
- 90) Lam, N.L., Pachauri, S., Purohit, P., Nagai, Y., Bates, M.N., Cameron, C., Smith, K.R. (2016) Kerosene subsidies for household lighting in India: what are the impacts? *Environmental Research Letters*, 11 (4), art. no. 044014, .
- 91) Liu, J.-Y., Fujimori, S., Masui, T. (2016) Temporal and spatial distribution of global mitigation cost: INDCs and equity. *Environmental Research Letters*, 11 (11), art. no. 114004.

- 92) Long, D., Chen, X., Scanlon, B.R., Wada, Y., Hong, Y., Singh, V.P., Chen, Y., Wang, C., Han, Z. and Yang, W. (2016) Have GRACE satellites overestimated groundwater depletion in the Northwest India Aquifer? *Scientific Reports*, 6. no.24398.
- 93) McCallum, I., Liu, W., See, L., Mechler, R., Keating, A., Hochrainer-Stigler, S., Mochizuki, J., Fritz, S., Dugar, S., Arestegui, M., Szoenyi, M., Laso Bayas, J.C., Burek, P., French, A. and Moorthy, I. (2016) Technologies to Support Community Flood Disaster Risk Reduction. *International Journal of Disaster Risk Science*, 7 (2). pp. 198-204.
- 94) Mechler, R., Mochizuki, J. and Hochrainer-Stigler, S. (2016) Disaster risk management and fiscal policy : narratives, tools, and evidence associated with assessing fiscal risk and building resilience. Policy Research Working Paper. WPS 7635, World Bank Group
- 95) Mechler, R., Mochizuki, J. and Hochrainer-Stigler, S. (2016) Disaster Risk Management and Fiscal Policy: Entry Points for Finance Ministries. In: *Realising the 'Triple Dividend of Resilience'*. Springer Verlag, Switzerland, pp. 73-104. ISBN 978-3-319-40693-0
- 96) Mochizuki, J. (2016) Review of Serious Gaming Applications in Humanitarian Operations and Disaster Risk Management: State-of-the-Art and Future Directions for Research. IDRiM 2016 7th International Conference on Integrated Disaster Risk Management Disasters and Development: Towards a Risk Aware Society, October 1-3, 2016, Isfahan, Islamic Republic of Iran.
- 97) Mochizuki, J. and Komendantova, N. (2016) In Search of Perfect Foresight? Policy Bias, Management of Unknowns, and What Has Changed in Science Policy Since the Tohoku Disaster. *Risk Analysis*. (In Press)
- 98) Mochizuki, J., Keating, A., Mechler, R., Egan, C. and Hochrainer-Stigler, S. (2016) If Numbers Can Speak, Who Listens? Creating Engagement and Learning for Effective Uptake of DRR Investment in Developing Countries. *PLOS Currents Disasters*, 1.
- 99) Nasta, P., Gates, J.B. and Wada, Y. (2016) Impact of climate-indicators on continental-scale potential groundwater recharge in Africa. *Hydrological Processes*, 30 (19). pp. 3420-3433.
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