

## Appendix IV

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

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

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

#### 2017

1. Amann M, Purohit P, Bhanarkar AD, Bertok I, Borken-Kleefeld J, Cofala J, Heyes C, Kieseewetter G, et al. (2017). Managing future air quality in megacities: A case study for Delhi. *Atmospheric Environment* 161: 99-111. DOI:10.1016/j.atmosenv.2017.04.041.
2. Amann M, Purohit P, Bhanarkar AD, et al. (2017) Managing future air quality in megacities: A case study for Delhi. *Atmospheric Environment* 161:99-111 DOI:10.1016/j.atmosenv.2017.04.041.
3. 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. DOI:10.1038/ngeo2869.
4. Banerjee A, Scharler UM, Fath BD, Ray S (2017) Temporal variation of keystone species and their im-pact on system performance in a South African estuarine ecosystem. *Ecological Modelling* 363:207-220 DOI:10.1016/j.ecolmodel.2017.09.009
5. Bhanja SN, Mukherjee A, Rodell M, Wada Y, Chattopadhyay S, Velicogna I, Pangaluru K, & Famiglietti JS (2017). Groundwater rejuvenation in parts of India influenced by water-policy change implementation. *Scientific Reports* 7 (1): p. 7453. DOI:10.1038/s41598-017-07058-2.
6. Cameron C, Pachauri S, Rao N, McCollum D, Rogelj J, & Riahi K (2017). Synergies and Trade-offs be-tween Climate Mitigation and Universal Access to Clean Cooking Goals. In: IIASA Institutional Evalua-tion 2017, 27 February-1 March 2017, IIASA, Laxenburg, Austria.
7. Chandler M, See L, Copas K, Bonde AMZ, López BC, Danielsen F, Legind JK, Masinde S, et al. (2017). Contribution of citizen science towards international biodiversity monitoring. *Biological Conservation* 213 (B): 280-294. DOI:10.1016/j.biocon.2016.09.004.
8. Dalin C, Wada Y, Kastner T, & Puma MJ (2017). Groundwater depletion embedded in international food trade. *Nature* 543: 700-704. DOI:10.1038/nature21403.
9. Dobrotkova Z, Dorner D, Daly D, Gielen D, Saygin D, Winkler S, Neil S, Riahi K, et al. (2017). Future Pro-spects. In: *Global Tracking Framework 2017: Progress Towards Sustainable Energy*. pp. 93-102 Washing-ton DC: World Bank. ISBN 978-1-4648-1084-8 DOI:10.1596/978-1-4648-1084-8.

10. Fetzel T, Havlik P, Herrero M, Kaplan JO, Kastner T, Kroisleitner C, Rolinski S, Searchinger T, et al. (2017). Quantification of uncertainties in global grazing systems assessments. *Global Biogeochemical Cycles* 31 (7): 1089-1102. DOI:10.1002/2016GB005601.
11. Fischer G, Tramberend S, Bruckner M, & Lieber M (2017). Quantifying the land footprint of Germany and the EU using a hybrid accounting model. Umweltbundesamt.
12. Frank S, Havlik P, Soussana J-F, Levesque A, Valin H, Wollenberg E, Kleinwechter U, Fricko O, et al. (2017). Reducing greenhouse gas emissions in agriculture without compromising food security? *Environmental Research Letters* 12 (10): e105004. DOI:10.1088/1748-9326/aa8c83.
13. Fricko O, Havlik P, Rogelj J, Klimont Z, Gusti M, Johnson N, Kolp P, Strubegger M, et al. (2017). The marker quantification of the Shared Socioeconomic Pathway 2: A middle-of-the-road scenario for the 21st century. *Global Environmental Change* 42: 251-267. DOI:10.1016/j.gloenvcha.2016.06.004.
14. Gambhir A, Napp T, Hawkes A, Höglund Isaksson L, Winiwarter W, Purohit P, Wagner F, Bernie D, et al. (2017). The Contribution of Non-CO2 Greenhouse Gas Mitigation to Achieving Long-Term Temperature Goals. *Energies* 10 (5): e602. DOI:10.3390/en10050602.
15. Guo F & Pachauri S (2017). China's Green Lights Program: A review and assessment. *Energy Policy* 110: 31-39. DOI:10.1016/j.enpol.2017.08.002.
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17. Höglund Isaksson L, Purohit P, Amann M, Bertok I, Rafaj P, Schöpp W, & Borken-Kleefeld J (2017). Cost estimates of the Kigali Amendment to phase-down hydrofluorocarbons. *Environmental Science & Policy* 75: 138-147. DOI:10.1016/j.envsci.2017.05.006.
18. KC S, Kiesewetter G, Pachauri S, Rao N, & Valin H (2017). SCHEMA, a crosscutting project: Accounting for Socioeconomic Heterogeneity in IIASA Models. In: IIASA Institutional Evaluation 2017, 27 February-1 March 2017, IIASA, Laxenburg, Austria.
19. KC S, Springer M, & Wurzer M (2017). Population projection by age, sex, and educational attainment in rural and urban regions of 35 provinces of India, 2011-2101: Technical report on projecting the regionally explicit socioeconomic heterogeneity in India. IIASA Working Paper. IIASA, Laxenburg, Austria: WP-17-004
20. KC S, Springer M, & Wurzer M (2017). Projection of subnational social heterogeneity in India. In: IIASA Institutional Evaluation 2017, 27 February-1 March 2017, IIASA, Laxenburg, Austria.
21. Keil L, Folberth C, Jedelhauser M, & Binder CR (2017). Time-Continuous Phosphorus Flows in the Indian Agri-Food Sector: Long-Term Drivers and Management Options. *Journal of Industrial Ecology* DOI:10.1111/jiec.12560. (In Press)

22. Khabarov N & Obersteiner M (2017). Global Phosphorus Fertilizer Market and National Policies: A Case Study Revisiting the 2008 Price Peak. *Frontiers in Nutrition* 4: p. 22. DOI:10.3389/fnut.2017.00022.
23. Klimont Z, Kupiainen K, Heyes C, Purohit P, Cofala J, Rafaj P, Borcken-Kleefeld J, & Schöpp W (2017). Global anthropogenic emissions of particulate matter including black carbon. *Atmospheric Chemistry and Physics* 17 (14): 8681-8723. DOI:10.5194/acp-17-8681-2017.
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25. Mastrucci A & Rao N (2017). Decent housing in the developing world: Reducing life-cycle energy re-quirements. *Energy and Buildings* 152: 629-642. DOI:10.1016/j.enbuild.2017.07.072.
26. McCollum D, Gomez Echeverri L, Busch S, Pachauri S, Parkinson S, Rogelj J, Krey V, Riahi K, et al. (2017). Connecting the Sustainable Development Goals by their energy inter-linkages. IIASA Working Paper. IIASA, Laxenburg, Austria: WP-17-006.
27. Mir KA, Purohit P, & Mehmood S (2017). Sectoral assessment of greenhouse gas emissions in Pakistan. *Environmental Science and Pollution Research* DOI:10.1007/s11356-017-0354-y. (In Press)
28. Nabernegg S, Bednar-Friedl B, Wagner F, Schinko T, Cofala J, & Clement YM (2017). The Deployment of Low Carbon Technologies in Energy Intensive Industries: A Macroeconomic Analysis for Europe, China and India. *Energies* 10 (3): p. 360. DOI:10.3390/en10030360.
29. Narula K, Sudhakara Reddy B, & Pachauri S (2017). Sustainable Energy Security for India: An assess-ment of energy demand sub-system. *Applied Energy* 186: 126-139. DOI:10.1016/j.apenergy.2016.02.142.
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33. Purohit I & Purohit P (2017). Technical and economic potential of concentrating solar thermal power generation in India. *Renewable and Sustainable Energy Reviews* 78: 648-667. DOI:10.1016/j.rser.2017.04.059.

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40. Raymundo R, Asseng S, Prasad R, et al. (2017) Performance of the SUBSTOR-potato model across contrasting growing conditions. *Field Crops Research* 202:57-76 DOI:10.1016/j.fcr.2016.04.012.
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44. 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.
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DOI:10.1016/j.jclepro.2017.09.076.

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55. Hackett C, McClendon D, Potančoková M, & Stonawski M (2016). *Religion and Education Around the World*. Washington, DC: Pew Research Center. ISBN 978-0-9974190-1-6.
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71. Purohit P, Höglund Isaksson L, Bertok I, Chaturvedi V, & Sharma M (2016). Scenario Analysis for HFC Emissions in India: Mitigation potential and costs. CEEW-IIASA Report.
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