

## 6 REFERENCES

---

- Abbass, K., Qasim, M. Z., Song, H., Murshed, M., Mahmood, H., & Younis, I. (2022). A review of the global climate change impacts, adaptation, and sustainable mitigation measures. *Environmental Science and Pollution Research*, 29(28), 42539–42559. <https://doi.org/10.1007/s11356-022-19718-6>
- Abeysekara, W. C. S. M., Siriwardana, M., & Meng, S. (2023). Economic consequences of climate change impacts on the agricultural sector of South Asia: A case study of Sri Lanka. *Economic Analysis and Policy*, 77, 435–450. <https://doi.org/10.1016/j.eap.2022.12.003>
- Adego, T., & Woldie, G. A. (2022). The complementarity and determinants of adoption of climate change adaptation strategies: evidence from smallholder farmers in Northwest Ethiopia. *Climate and Development*, 14(5), 487–498. <https://doi.org/10.1080/17565529.2021.1943296>
- Adhikari, U., Nejadhashemi, A. P., & Woznicki, S. A. (2015). Climate change and eastern Africa: A review of impact on major crops. *Food and Energy Security*, 4(2), 110–132. <https://doi.org/10.1002/fes3.61>
- Agrawala, S., Bosello, F., Carraro, C., De Cian, E., & Lanzi, E. (2011). Adapting to climate change: Costs, benefits, and modelling approaches. *International Review of Environmental and Resource Economics*, 5(3), 245–284. <https://doi.org/10.1561/101.00000043>
- Ahmed, M., & Suphachalasai, S. (2014). *Assessing the Costs of Climate Change and Adaptation in South Asia*. <http://www.adb.org/sites/default/files/pub/2014/assessing-costs-climate-change-and-adaptation-south-asia.pdf>
- Alemzero, D., Acheampong, T., & Huaping, S. (2021). Prospects of wind energy deployment in Africa: Technical and economic analysis. *Renewable Energy*, 179, 652–666. <https://doi.org/10.1016/j.renene.2021.07.021>
- Anser, M. K., Yousaf, S. U., Usman, B., Azam, K., Bandar, N. F. A., Jambari, H., Sriyanto, S., & Zaman, K. (2023). Beyond climate change: Examining the role of environmental justice, agricultural mechanization, and social expenditures in alleviating rural poverty. *Sustainable Futures*, 6(September), 100130. <https://doi.org/10.1016/j.sfr.2023.100130>

Antle, J. M., Homann-Keetui, S., Descheemaeker, K., Masikati, P., & Valdivia, R. O. (2018). Using AgMIP regional integrated assessment methods to evaluate vulnerability, resilience and adaptive capacity for climate smart agricultural systems. In *Natural Resource Management and Policy* (Vol. 52, pp. 307–333). [https://doi.org/10.1007/978-3-319-61194-5\\_14](https://doi.org/10.1007/978-3-319-61194-5_14)

Antle, J. M., & Stockle, C. O. (2017). Climate Impacts on Agriculture: Insights from Agronomic-Economic Analysis. *REVIEW OF ENVIRONMENTAL ECONOMICS AND POLICY*, 11(2), 299–318. <https://doi.org/10.1093/reep/rex012> WE - Social Science Citation Index (SSCI)

Aryal, J. P., Sapkota, T. B., Khurana, R., Khatri-Chhetri, A., Rahut, D. B., & Jat, M. L. (2020). Climate change and agriculture in South Asia: adaptation options in smallholder production systems. In *Environment, Development and Sustainability* (Vol. 22, Issue 6). Springer Netherlands. <https://doi.org/10.1007/s10668-019-00414-4>

Asian Development Bank. (2023). *Climate change and disaster risk management*. <https://www.adb.org/what-we-do/topics/climate-change/overview#:~:text=In%202022%2C%20ADB%20committed%247%2C110,since%20reporting%20began%20in%202011>.

Auffhammer, M. (2018). Quantifying economic damages from climate change. *Journal of Economic Perspectives*, 32(4), 33–52. <https://doi.org/10.1257/jep.32.4.33>

Baba, N. (2010). Global majority E-Journal. *Global Majority E-Journal*, 1(1), 4–16. <http://en.wikipedia.org/wiki/File:Globe.gif>.

Biesbroek, G. R., Klostermann, J. E. M., Termeer, C. J. A. M., & Kabat, P. (2013). On the nature of barriers to climate change adaptation. *Regional Environmental Change*, 13(5), 1119–1129. <https://doi.org/10.1007/s10113-013-0421-y>

Birkmann, J., Jamshed, A., McMillan, J. M., Feldmeyer, D., Totin, E., Solecki, W., Ibrahim, Z. Z., Roberts, D., Kerr, R. B., Poertner, H. O., Pelling, M., Djalante, R., Garschagen, M., Leal Filho, W., Guha-Sapir, D., & Alegria, A. (2022). Understanding human vulnerability to climate change: A global perspective on index validation for adaptation planning. *Science of the Total Environment*, 803, 150065. <https://doi.org/10.1016/j.scitotenv.2021.150065>

Bobojonov, I., & Aw-Hassan, A. (2014). Impacts of climate change on farm income security in Central Asia: An integrated modeling approach. *Agriculture, Ecosystems and Environment*, 188, 245–255. <https://doi.org/10.1016/j.agee.2014.02.033>

Breisinger, C., Zhu, T., Al Riffai, P., Nelson, G., Robertson, R., Funes, J., & Verner, D. (2013). Economic impacts of climate change in Syria. *Climate Change Economics*, 4(1). <https://doi.org/10.1142/S201007813500024>

Carleton, T. A., & Hsiang, S. M. (2016). Social and economic impacts of climate. *Science*, 353(6304). <https://doi.org/10.1126/science.aad9837>

Central Bank of Sri Lanka. (2022). Annual report 2022. <https://www.cbsl.gov.lk/en/publications/economic-and-financial-reports/annual-reports/annual-report-2022>

Chandrasiri, C. K., Tsusaka, T. W., Ho, T. D. N., Zulfiqar, F., & Datta, A. (2023). Impacts of climate change on paddy yields in different climatic zones of Sri Lanka: a panel data approach. In *Asia-Pacific Journal of Regional Science* (Vol. 7, Issue 2). Springer Nature Singapore. <https://doi.org/10.1007/s41685-022-00264-5>

Chen, Y. H. H., Paltsev, S., Reilly, J. M., Morris, J. F., & Babiker, M. H. (2016). Long-term economic modeling for climate change assessment. *Economic Modelling*, 52(617), 867–883. <https://doi.org/10.1016/j.econmod.2015.10.023>

Cherry, K. (2020). *When to use surveys in psychological research*. Verywellmind. <https://www.verywellmind.com/what-is-a-survey-2795787>

Choi, H. S., Schneider, U. A., Rasche, L., Cui, J., Schmid, E., & Held, H. (2015). Potential effects of perfect seasonal climate forecasting on agricultural markets, welfare and land use: A case study of Spain. *Agricultural Systems*, 133, 177–189. <https://doi.org/10.1016/j.agsy.2014.10.007>

Costa, W. A. J. M. D. (2020). Increasing climate resilience of cropping systems in Sri Lanka. In R. P. D. Silva, G. Pushpakumara, P. Prasada, & J. Weerahewa (Eds.), *Agricultural research for sustainable food systems in Sri Lanka* (pp. 107–154). Springer Nature Singapore. [https://doi.org/https://doi.org/10.1007/978-981-15-3673-1\\_7](https://doi.org/https://doi.org/10.1007/978-981-15-3673-1_7)

Creswell, J. W. (2014). *Research design: Qualitative, quantitative, and mixed methods approaches* (4th ed.). Sage Publications. <https://books.google.lk/books?hl=en&lr=&id=EbogAQAAQBAJ&oi=fnd&p>

Creswell, J. W., & Creswell, J. D. (2018). *Research design: Qualitative, quantitative, and mixed method approaches*. Sage Publications.

Crielaard, L., Uleman, J. F., Châtel, B. D. L., Epskamp, S., Sloot, P. M. A., & Quax, R. (2022). Refining the Causal Loop Diagram: A Tutorial for Maximizing the Contribution of Domain Expertise in Computational System Dynamics Modeling. In *Psychological Methods*. <https://doi.org/10.1037/met0000484>

Dasandara, M., Ernst, R., Kulatunga, U., & Rathnasiri, P. (2021). Investigation of issues in structural flood management measures in Sri Lanka. *Journal of Construction in Developing Countries*, 27(1), 65–78.

Debelle, G. (2019). *Climate change and the economy*.

Dekens, J., & Hammill, A. (2021). *Using climate economic modelling for sustainable development*. <https://policycommons.net/artifacts/1806233/using-climate-economic-modelling-for-sustainable-economic-development/2539474/>

Dell, M., Jones, B. F., & Olken, B. A. (2014). *What do we learn from the weather? The new climate-economy literature* (No. 19578).

Department of Meteorology Sri Lanka. (2023). *Climate of Sri Lanka*. [https://www.meteo.gov.lk/index.php?option=com\\_content&view=article&id=94&Itemid=310&lang=en&lang=en](https://www.meteo.gov.lk/index.php?option=com_content&view=article&id=94&Itemid=310&lang=en&lang=en)

Dhirasasna, N., & Sahin, O. (2019). A multi-methodology approach to creating a causal loop diagram. *Systems*, 7(3). <https://doi.org/10.3390/systems7030042>

Dietz, S., & Maddison, D. J. (2009). *New Frontiers in the Economics of Climate Change*. March, 295–306. <https://doi.org/10.1007/s10640-009-9278-4>

Doyle, L., Brady, A. M., & Byrne, G. (2009). An overview of mixed methods research.

*Journal of Research in Nursing*, 14(2), 175–185.  
<https://doi.org/10.1177/1744987108093962>

Dudovskiy, J. (2022). *An ultimate guide to writing a dissertation in business studies: A step-by-step assistance.*

Economics and Planning Center of Department of Agriculture Sri Lanka. (2023). *Socioeconomic and Planning Center (SEPC)*. <https://doa.gov.lk/sepc/>

Esham, M., & Garforth, C. (2013). Agricultural adaptation to climate change: Insights from a farming community in Sri Lanka. *Mitigation and Adaptation Strategies for Global Change*, 18(5), 535–549. <https://doi.org/10.1007/s11027-012-9374-6>

European Commission. (2022). *Energy, climate change, environment*. [https://commission.europa.eu/energy-climate-change-environment\\_en](https://commission.europa.eu/energy-climate-change-environment_en)

Evans, G. W. (2019). Projected Behavioral Impacts of Global Climate Change. *Annual Review of Psychology*, 70(June 2018), 449–474. <https://doi.org/10.1146/annurev-psych-010418-103023>

Falco, C., Donzelli, F., & Olper, A. (2018). Climate change, agriculture and migration: A survey. *Sustainability (Switzerland)*, 10(5), 1–21. <https://doi.org/10.3390/su10051405>

Fankhauser, S., & Tol, R. S. J. (2005). *On climate change and economic growth*. February. <https://doi.org/10.1016/j.reseneeco.2004.03.003>

Favero, A., Mendelsohn, R., Sohngen, B., & Stocker, B. (2021). Assessing the long-term interactions of climate change and timber markets on forest land and carbon storage. *Environmental Research Letters*, 16(1). <https://doi.org/10.1088/1748-9326/abd589>

Fellows, R., & Liu, A. (2015). *Research methods for construction* (4th ed.). Wiley-Blackwell.

Feulner, G. (2017). *Global challenges: climate change*. [https://doi.org/https://doi.org/10.1002%2Fgch2.1003](https://doi.org/10.1002%2Fgch2.1003)

Gasper, R., Blohm, A., & Ruth, M. (2011). Social and economic impacts of climate change on the urban environment. *Current Opinion in Environmental Sustainability*, 3(3), 150–157. <https://doi.org/10.1016/j.cosust.2010.12.009>

Gawith, D., Hodge, I., Morgan, F., & Daigneault, A. (2020). Climate change costs more than we think because people adapt less than we assume. *Ecological Economics*, 173, 106636. <https://doi.org/https://doi.org/10.1016/j.ecolecon.2020.106636>

Geekiyanage, D., & Fernando, T. (2021). *Mapping Participatory Methods in the Urban Development Process : A Systematic Review and Case-Based Evidence Analysis.*

Geekiyanage, D., Fernando, T., & Keraminiyage, K. (2020). International Journal of Disaster Risk Reduction Assessing the state of the art in community engagement for participatory decision-making in disaster risk-sensitive urban development. *International Journal of Disaster Risk Reduction*, 51(September), 101847. <https://doi.org/10.1016/j.ijdrr.2020.101847>

Groundstroem, F., & Juhola, S. (2021). Using systems thinking and causal loop diagrams to identify cascading climate change impacts on bioenergy supply systems. In *Mitigation and Adaptation Strategies for Global Change* (Vol. 26, Issue 7). Springer Netherlands. <https://doi.org/10.1007/s11027-021-09967-0>

Gunathilaka, R. P. D., Smart, J. C. R., & Fleming, C. M. (2018). Adaptation to climate change in perennial cropping systems: Options, barriers and policy implications. *Environmental Science and Policy*, 82(January), 108–116. <https://doi.org/10.1016/j.envsci.2018.01.011>

Gurgel, A. C., Reilly, J., & Blanc, E. (2021). Challenges in simulating economic effects of climate change on global agricultural markets. *Climatic Change*, 166(3–4). <https://doi.org/10.1007/s10584-021-03119-8>

Han, H., & Ahn, S. W. (2020). Youth mobilization to stop global climate change: narratives and impact. *Renewable Resources Journal*, 34(4), 2–12.

Haraldsson, H., & Bonin, D. (2021). *Using systems approach to integrate Causal Loop Diagrams modelling in the foresight project Scenarios for a Sustainable Europe*

2050.

Hashida, Y., & Lewis, D. J. (2022). Estimating welfare impacts of climate change using a discrete-choice model of land management: An application to western U.S. forestry. *Resource and Energy Economics*, 68, 101295. <https://doi.org/https://doi.org/10.1016/j.reseneeco.2022.101295>

Hein, L., Metzger, M. J., & Moreno, A. (2009). *Potential impacts of climate change on tourism; a case study for Spain*. 170–178. <https://doi.org/10.1016/j.cosust.2009.10.011>

Hoegh-Guldberg, O., Jacob, D., Taylor, M., Guillén Bolaños, T., Bindi, M., Brown, S., Camilloni, I. A., Diedhiou, A., Djalante, R., Ebi, K., Engelbrecht, F., Guiot, J., Hijioka, Y., Mehrotra, S., Hope, C. W., Payne, A. J., Pörtner, H. O., Seneviratne, S. I., Thomas, A., ... Zhou, G. (2019). The human imperative of stabilizing global climate change at 1.5°C. *Science*, 365(6459). <https://doi.org/10.1126/science.aaw6974>

Hof, A. F. (2015). Welfare impacts of climate change. *Nature Climate Change*, 5(2), 99–100. <https://doi.org/10.1038/nclimate2506>

Holden, M., & Lynch, P. (2000). *Delivered by Publishing Technology to: Chinese University of Hong Kong Choosing the Appropriate Methodology: Understanding Research Philosophy*4. 28(11), 175–195.

Hoque, M. A. A., Pradhan, B., Ahmed, N., & Roy, S. (2019). Tropical cyclone risk assessment using geospatial techniques for the eastern coastal region of Bangladesh. *Science of the Total Environment*, 692, 10–22. <https://doi.org/10.1016/j.scitotenv.2019.07.132>

Hossain, M. S., Qian, L., Arshad, M., Shahid, S., Fahad, S., & Akhter, J. (2019). Climate change and crop farming in Bangladesh: an analysis of economic impacts. *International Journal of Climate Change Strategies and Management*, 11(3), 424–440. <https://doi.org/10.1108/IJCCSM-04-2018-0030>

Hsieh, H. F., & Shannon, S. E. (2005). Three approaches to qualitative content analysis. *Qualitative Health Research*, 15(9), 1277–1288. <https://doi.org/10.1177/1049732305276687>

Intergovernmental Panel on Climate change. (2022). *Climate change 2022: Impacts, adaptation and vulnerability*.  
[https://www.ipcc.ch/report/ar6/wg2/downloads/report/IPCC\\_AR6\\_WGII\\_SummaryForPolicymakers.pdf](https://www.ipcc.ch/report/ar6/wg2/downloads/report/IPCC_AR6_WGII_SummaryForPolicymakers.pdf)

International Trade Administration. (2022). *Sri Lanka- Country commercial guide*.  
<https://www.trade.gov/country-commercial-guides/sri-lanka-agricultural-sector>

Islam, S., Cenacchi, N., Sulser, T. B., Gbegbelegbe, S., Hareau, G., Kleinwechter, U., Mason-D'Croz, D., Nedumaran, S., Robertson, R., Robinson, S., & Wiebe, K. (2016). Structural approaches to modeling the impact of climate change and adaptation technologies on crop yields and food security. *Global Food Security-Agriculture Policy Economics and Environment*, 10, 63–70. <https://doi.org/10.1016/j.gfs.2016.08.003> WE - Science Citation Index Expanded (SCI-EXPANDED)

Jackson, P. (2007). From stockholm to kyoto: A brief history of climate change. *Green Our World*, 44(02).

Jonker, J., & Pennink, B. (2009). The Essence of Research Methodology. *The Essence of Research Methodology*. <https://doi.org/10.1007/978-3-540-71659-4>

Khabbazan, M. M. (2022). Cost-Risk Analysis Reconsidered—Value of Information on the Climate Sensitivity in the Integrated Assessment Model PRICE. *Energies*, 15(11), 1–17. <https://doi.org/10.3390/en15114096>

Kottawa-Arachchi, J. D., & Wijeratne, M. A. (2017). Climate change impacts on biodiversity and ecosystems in sri lanka: A review. *Nature Conservation Research*, 2(3), 2–22. <https://doi.org/10.24189/ncr.2017.042m>

Lam, V. W. Y., Allison, E. H., Bell, J. D., Blythe, J., Cheung, W. W. L., Frölicher, T. L., Gasalla, M. A., & Sumaila, U. R. (2020). Climate change, tropical fisheries and prospects for sustainable development. *Nature Reviews Earth and Environment*, 1(9), 440–454. <https://doi.org/10.1038/s43017-020-0071-9>

Lane, D. C., & Husemann, E. (2008). Steering without Circe: Attending to reinforcing loops in social systems. *System Dynamics Review*, 24(1), 37–61. <https://doi.org/10.1002/sdr.396>

Lannon, C. (2012). Causal loop construction: the basics. *Systems Thinking*, 23(8), 1–8. <https://thesystemsthinker.com/causal-loop-construction-the-basics/>

Lotstein, E. L. (2013). Global Climate Change Impacts in the United States: A State of Knowledge Report from the U.S. Global Climate Change Research Program. In *Journal of Geography* (Vol. 112, Issue 4). <https://doi.org/10.1080/00221341.2013.770905>

MacGregor, C., Dowdell, D., Jaques, R., Bint, L., & Berg, B. (2018). The built environment and climate change: A review of research, challenges, and the future. In *BRANZ Study Report SR403* (Issue January). <https://doi.org/10.4324/9781351201117-5>

Masud, M. M., Azam, M. N., Mohiuddin, M., Banna, H., Akhtar, R., Alam, A. S. A. F., & Begum, H. (2017). Adaptation barriers and strategies towards climate change: Challenges in the agricultural sector. *Journal of Cleaner Production*, 156, 698–706. <https://doi.org/10.1016/j.jclepro.2017.04.060>

Mathiyazhagan, T., Nandan, D., & Khosla, M. (2010). Survey research method ABSTRACT. *Media Mimansa*, September, 34–82. <http://citeseerx.ist.psu.edu/viewdoc/download?doi=10.1.1.464.5585&rep=rep1&type=pdf>

Matsumoto, K. (2019). Climate change impacts on socioeconomic activities through labor productivity changes considering interactions between socioeconomic and climate systems. *Journal of Cleaner Production*, 216, 528–541. <https://doi.org/10.1016/j.jclepro.2018.12.127>

Melnikovas, A. (2018). Towards an explicit research methodology: Adapting research onion model for futures studies. *Journal of Futures Studies*, 23(2), 29–44. [https://doi.org/10.6531/JFS.201812\\_23\(2\).0003](https://doi.org/10.6531/JFS.201812_23(2).0003)

Mendelsohn, R., Nordhaus, W., & Shaw, D. (2004). The impact of climate variation on US agriculture. In R. Mendelsohn & J. E. Neumann (Eds.), *The impacts of climate change on the United States Economy* (pp. 55–74). Cambridge university press. [https://books.google.lk/books?hl=en&lr=&id=8NMUQ3h5i9IC&oi=fnd&pg=P\\_R9&dq=Mendelsohn&ots=o4bizvJ9e6&sig=U\\_9Is8zAnoGA97JqrtME1M7OM9E&redir\\_esc=y#v=onepage&q=Mendelsohn&f=false](https://books.google.lk/books?hl=en&lr=&id=8NMUQ3h5i9IC&oi=fnd&pg=P_R9&dq=Mendelsohn&ots=o4bizvJ9e6&sig=U_9Is8zAnoGA97JqrtME1M7OM9E&redir_esc=y#v=onepage&q=Mendelsohn&f=false)

Menike, L. M. C. S., & Arachchi, K. A. G. P. K. (2016). Adaptation to Climate Change by Smallholder Farmers in Rural Communities: Evidence from Sri Lanka. *Procedia Food Science*, 6(Icsusl 2015), 288–292. <https://doi.org/10.1016/j.profoo.2016.02.057>

Messono, O. O., & Mermoz Homère, N. N. (2023). Adaptation to Climate Change in 172 Countries: the Importance of Intelligence. *Journal of the Knowledge Economy*, 0123456789. <https://doi.org/10.1007/s13132-023-01345-2>

Methley, A. M., Campbell, S., Chew-Graham, C., McNally, R., & Cheraghi-Sohi, S. (2014). PICO, PICOS and SPIDER: A comparison study of specificity and sensitivity in three search tools for qualitative systematic reviews. *BMC Health Services Research*, 14(1). <https://doi.org/10.1186/s12913-014-0579-0>

Mikhaylov, A., Moiseev, N., Aleshin, K., & Burkhardt, T. (2020). Global climate change and greenhouse effect. *Entrepreneurship and Sustainability Issues*, 7(4), 2897–2913. [https://doi.org/10.9770/jesi.2020.7.4\(21\)](https://doi.org/10.9770/jesi.2020.7.4(21))

Ministry of Agriculture. (2023). *Map of soil and crop sustainability*. <https://www.agrimin.gov.lk/web/images/docs/1266913307m1.pdf>

Ministry of Mahaweli Development and Environment. (2016). *Nationally Determined Contributions*. <https://faolex.fao.org/docs/pdf/srl185217.pdf>

Mohajan, H. K. (2017). Two Criteria for Good Measurements in Research: Validity and Reliability. *Annals of Spiru Haret University. Economic Series*, 17(4), 59–82. <https://doi.org/10.26458/1746>

Monash University. (2023). *PRISMA- Transparent reporting of systematic reviews and meta analysis*. <http://www.prisma-statement.org/?AspxAutoDetectCookieSupport=1>

Moore, F. C., Baldos, U. L. C., & Hertel, T. (2017). Economic impacts of climate change on agriculture: A comparison of process-based and statistical yield models. *Environmental Research Letters*, 12(6). <https://doi.org/10.1088/1748-9326/aa6eb2>

Mu, J. H. E., Sleeter, B. M., Abatzoglou, J. T., & Antle, J. M. (2017). Climate impacts on agricultural land use in the USA: the role of socio-economic scenarios.

*Climatic Change*, 144(2), 329–345. <https://doi.org/10.1007/s10584-017-2033-x>  
WE - Science Citation Index Expanded (SCI-EXPANDED) WE - Social Science Citation Index (SSCI)

Mulwa, R., Rao, K. P. C., Gummadi, S., & Kilavi, M. (2016). Impacts of climate change on agricultural household welfare in Kenya. *Climate Research*, 67(2), 87–97. <https://doi.org/10.3354/cr01357>

Nadeetharu, B. K. M., Kulatunga, U., & Ingirige, M. J. B. (2023). Economic models of climate change: Systematic review of benefits, limitations, and future directions. In Y. G. Sandanayake, K. G. A. S. Waidyasekara, T. Ramachandra, & K. A. T. O. Ranadewa (Eds.), *Proceedings of 11th World Construction Symposium* (pp. 471–482).

Narmilan, A., Asmath, A. M. M., & Puvanitha, N. (2022). Impact assessment and adaptation options for climatic change in paddy cultivation: A case study in Ampara district, Sri Lanka. In A. S. Unnikrishnan, F. Tangang, & R. J. Durrheim (Eds.), *Extreme Natural Events: Sustainable Solutions for Developing Countries* (pp. 415–430). Springer.

National Building Research Organisation (NBRO). (2023) *Agricultural decision making and decision making to the precipitation trends in Sri Lanka (ADAPT-SL)*.

[https://www.nbro.gov.lk/index.php?option=com\\_content&view=article&id=66&Itemid=262&lang=en](https://www.nbro.gov.lk/index.php?option=com_content&view=article&id=66&Itemid=262&lang=en)

Navarro, A., & Tapiador, F. J. (2019). RUSEM: A numerical model for policymaking and climate applications. *Ecological Economics*, 165(June), 106403. <https://doi.org/10.1016/j.ecolecon.2019.106403>

Nguyen, T. T., Grote, U., Neubacher, F., Rahut, D. B., Do, M. H., & Paudel, G. P. (2023). Security risks from climate change and environmental degradation: implications for sustainable land use transformation in the Global South. *Current Opinion in Environmental Sustainability*, 63(June), 101322. <https://doi.org/10.1016/j.cosust.2023.101322>

Nguyen, T. T., & Tenhunen, J. (2015). Review of integrated ecological-economic analyses for bioenergy plants under climate change at local scale. *International Journal of Climate Change Strategies and Management*, 5(3), 324–343.

- Nianthi, K. W. G. R., & Shaw, R. (2015). Climate Change and Its Impact on Coastal Economy of Sri Lanka. *The Global Challenge*, February 2015, 1–21. <http://citeserx.ist.psu.edu/viewdoc/download?doi=10.1.1.455.6242&rep=rep1&type=pdf>
- Nikas, A., Doukas, H., & Papandreou, A. (2018). A detailed overview and consistent classification of climate-economy models. In *Understanding Risks and Uncertainties in Energy and Climate Policy: Multidisciplinary Methods and Tools for a Low Carbon Society* (pp. 1–54). [https://doi.org/10.1007/978-3-030-03152-7\\_1](https://doi.org/10.1007/978-3-030-03152-7_1)
- Nordhaus, W. (2013). Integrated economic and climate modeling. In *Handbook of Computable General Equilibrium Modeling* (Vol. 1, pp. 1069–1131). <https://doi.org/10.1016/B978-0-444-59568-3.00016-X>
- Nwankwoala, H. N. L. (2015). Causes of Climate and Environmental Changes: The Need for Environmental-Friendly Education Policy in Nigeria. *Journal of Education and Practice*, 6(30), 224–234. <http://ezproxy.wheaton.edu/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=eric&AN=EJ1081366&site=ehost-live>
- Ogada, M. J., Rao, E. J. O., Radeny, M., Recha, J. W., & Solomon, D. (2020). Climate-smart agriculture, household income and asset accumulation among smallholder farmers in the Nyando basin of Kenya. *World Development Perspectives*, 18. <https://doi.org/10.1016/j.wdp.2020.100203>
- Ouliaris, S. (2011). What makes a good economic model? *Finance & Development*, June, 46–47. <https://www.imf.org/external/pubs/ft/fandd/2011/06/basics.htm>
- Palazzo, A., Vervoort, J. M., Croz, D. M., Rutting, L., Havlík, P., Islam, S., Bayala, J., Valin, H., Abdou, H., Kadi, K., Thornton, P., & Zougmore, R. (2017). Linking regional stakeholder scenarios and shared socioeconomic pathways : Quantified West African food and climate futures in a global context. *Global Environmental Change*, 45, 227–242. <https://doi.org/10.1016/j.gloenvcha.2016.12.002>
- Pindyck, R. S. (2017). The use and misuse of models for climate policy. *Review of Environmental Economics and Policy*, 11(1), 100–114. <https://doi.org/10.1093/reep/rew012>
- Porter, J. R., Xie, L., Challinor, A. J., Cochrane, K., Howden, S. M., Iqbal, M. M.,

- Lobell, D. B., Travasso, M. I., Aggarwal, P., Hakala, K., & Jordan, J. (2015). Food security and food production systems. *Climate Change 2014 Impacts, Adaptation and Vulnerability: Part A: Global and Sectoral Aspects*, 485–534. <https://doi.org/10.1017/CBO9781107415379.012>
- Rabiee, F. (2004). Focus-group interview and data analysis. *Proceedings of the Nutrition Society*, 63(4), 655–660. <https://doi.org/10.1079/pns2004399>
- Rao, G. S. L. H. P., Ram Mohan, H. S., Gopakumar, C. S., & Krishnakumar, K. N. (2008). Climate change and cropping systems over Kerala in the humid tropics. *Journal of Agrometeorology*, 10, 286–291.
- Rao, N. D., Van Ruijen, B. J., Riahi, K., & Bosetti, V. (2017). Improving poverty and inequality modelling in climate research. *Nature Climate Change*, 7(12), 857–862. <https://doi.org/10.1038/s41558-017-0004-x>
- Rao, T., & Mustapa, S. I. (2021). A review of climate economic models in Malaysia. *Sustainability (Switzerland)*, 13(1), 1–20. <https://doi.org/10.3390/su13010325>
- Rehman, A. A., & Alharthi, K. (2016). An introduction to research paradigms in distance education. *International Journal of Educational Investigations*, 3(October), 51–59.
- Revesz, R. L., Howard, P. H., Arrow, K. R., Goulder, L. H., Kopp, R. E., Livermore, M. A., Oppenheimer, M., & Sterner, T. (2014). Improve economic models of climate change. *Nature*, 508, 173–175.
- Rising, J. A., Taylor, C., Ives, M. C., & Ward, R. E. T. (2022). Challenges and innovations in the economic evaluation of the risks of climate change. *Ecological Economics*, 197(August 2021), 107437. <https://doi.org/10.1016/j.ecolecon.2022.107437>
- Rising, J., Tedesco, M., Piontek, F., & Stainforth, D. A. (2022). The missing risks of climate change. *Nature*, 610(7933), 643–651. <https://doi.org/10.1038/s41586-022-05243-6>
- Rose, S., Spinks, N., & Canhoto, A. I. (2014). *Management research: Applying the principles*. Routledge.

Rosen, R. A., & Guenther, E. (2015). The economics of mitigating climate change: What can we know? *Technological Forecasting and Social Change*, 91, 93–106. <https://doi.org/10.1016/j.techfore.2014.01.013>

Rowley, J. (2002). Using case studies in research. *Management Research News*, 25(1), 16–27.

Sadeghi, N. (2022). Continuity of small businesses when facing increased flood risk due to global climate change impacts: A systematic literature review. *International Journal of Disaster Risk Reduction*.

Sadoff, C., & Muller, M. (2009). *Water management, water security and climate change adaptation: early impacts and essential responses*. Elanders. [https://dlc.dlib.indiana.edu/dlc/bitstream/handle/10535/4999/GWP\\_TEC\\_14\\_FINAL.pdf?sequence=1](https://dlc.dlib.indiana.edu/dlc/bitstream/handle/10535/4999/GWP_TEC_14_FINAL.pdf?sequence=1)

Sánchez, M. V. (2018). Climate Impact Assessments With a Lens on Inequality. *Journal of Environment and Development*, 27(3), 267–298. <https://doi.org/10.1177/1070496518774098>

Saunders, M., Lewis, P., & Thornhill, A. (2019). *Research methods for business students* (4th ed.). Pearson Education Limited.

Schuler, J., Toorop, R. A., Willaume, M., Vermue, A., Schläfke, N., Uthes, S., Zander, P., & Rossing, W. (2020). Assessing climate change impacts and adaptation options for farm performance using bio-economic models in Southwestern France. *Sustainability (Switzerland)*, 12(18). <https://doi.org/10.3390/su12187528>

Shemsanga, C., Omambia, A. N., & Gu, Y. (2010). The Cost of Climate Change in Tanzania: Impacts and Adaptations. *Journal of American Science*, 6(63), 182–196. <http://www.americanscience.org>

Stern, N. (2008). The Economics of Climate Change. *American Economic Review: Papers and Proceedings*, 1–37.

Stern, N. (2013). The structure of economic modeling of the potential impacts of climate change: Grafting gross underestimation of risk onto already narrow

science models. *Journal of Economic Literature*, 51(3), 838–859. <https://doi.org/10.1257/jel.51.3.838>

Stern, N. (2016). Economics: Current climate models are grossly misleading. *Nature*, 530(7591), 407–409. <https://doi.org/10.1038/530407a>

Suresh, K., Khanal, U., Wilson, C., Managi, S., Quayle, A., & Santhirakumar, S. (2021). An economic analysis of agricultural adaptation to climate change impacts in Sri Lanka: An endogenous switching regression analysis. *Land Use Policy*, 109(November 2020), 105601. <https://doi.org/10.1016/j.landusepol.2021.105601>

Tanner, T., & Allouche, J. (2011). Towards a New Political Economy of Climate Change and Development. *IDS Bulletin*, 42(3), 1–14. <https://doi.org/10.1111/j.1759-5436.2011.00217.x>

Tea Research Institute. (2020). *Priority Research Areas*. <https://www.tri.lk/major-research-areas/>

Tsuchida, R., & Takeda, S. (2021). Is resilience socially emerging or embedded?: A review of “resilience” under climate change in Sri Lanka. *Journal of Safety Science and Resilience*, 2(4), 258–266. <https://doi.org/10.1016/j.jnlssr.2021.11.001>

United Nation Environmental Protection Agency (EPA). (2022). *EPA’s Role in the United Nations Environment Programme (UNEP)*. <https://www.epa.gov/international-cooperation/epas-role-united-nations-environment-programme-unep>

Van Meijl, H., Havlik, P., Lotze-Campen, H., Stehfest, E., Witzke, P., Domínguez, I. P., Bodirsky, B. L., Van Dijk, M., Doelman, J., Fellmann, T., Humpenöder, F., Koopman, J. F. L., Müller, C., Popp, A., Tabeau, A., Valin, H., & Van Zeist, W. J. (2018). Comparing impacts of climate change and mitigation on global agriculture by 2050. *Environmental Research Letters*, 13(6). <https://doi.org/10.1088/1748-9326/aabdc4>

Wade, K., & Jennings, M. (2016). The impact of climate change on the global economy. *Schroders*, 1–12. <https://www.schroders.com/en/us/institutional/insights/economic-views3/the-impact-of-climate-change-on-the-global-economy/>

Walliman, N. (2021). *Research methods: The basics*. Routledge.

Wang, D., Jenkins, K., Forstenhäusler, N., Lei, T., Price, J., Warren, R., Jenkins, R., & Guan, D. (2021). Economic impacts of climate-induced crop yield changes: evidence from agri-food industries in six countries. *Climatic Change*, 166(3–4), 1–21. <https://doi.org/10.1007/s10584-021-03062-8>

Weerasekara, S., Wilson, C., Lee, B., Hoang, V. N., Managi, S., & Rajapaksa, D. (2021). The impacts of climate induced disasters on the economy: Winners and losers in Sri Lanka. *Ecological Economics*, 185(March), 107043. <https://doi.org/10.1016/j.ecolecon.2021.107043>

Wickramasinghe, M. R. C. P., De Silva, R. P., & Dayawansa, N. D. K. (2021). Climate Change Vulnerability in Agriculture Sector: An Assessment and Mapping at Divisional Secretariat Level in Sri Lanka. *Earth Systems and Environment*, 5(3), 725–738. <https://doi.org/10.1007/s41748-021-00206-9>

World Meteorological Organization (WMO). (2020). WMO Statement on the Status of the Global Climate in 2019. In *World Meteorological Organization* (Issue 1248). [https://library.wmo.int/doc\\_num.php?explnum\\_id=10211](https://library.wmo.int/doc_num.php?explnum_id=10211)

Xie, W., Huang, J., Wang, J., Cui, Q., Robertson, R., & Chen, K. (2020). Climate change impacts on China's agriculture: The responses from market and trade. *China Economic Review*, 62(December 2017), 101256. <https://doi.org/10.1016/j.chieco.2018.11.007>

Yalew, A. W., Hirte, G., Lotze-Campen, H., & Tscharaktschiew, S. (2018). Climate change, agriculture, and economic development in Ethiopia. *Sustainability (Switzerland)*, 10(10). <https://doi.org/10.3390/su10103464>

Yin, R. K. (1984). *Case study research: Design and methods*. Sage Publications.

Yin, R. K. (2009). *Case study research: Design and methods* (Vol. 5). Sage Publications.

Yin, R. K. (2013). Validity and generalization in future case study evaluations. *Evaluation*, 19(3), 321–332.

Yin, R. K. (2014). *Case study research: design and methods* (5th ed.). Sage Publications. <https://doi.org/10.3138/cjpe.30.1.108>

Yin, R. K. (2018). *Case study research and applications: Design and methods* (6th ed.). Sage Publications.

Zhang, Y., You, L., Lee, D., & Block, P. (2020). Integrating climate prediction and regionalization into an agro-economic model to guide agricultural planning. *Climatic Change*, 158(3–4), 435–451. <https://doi.org/10.1007/s10584-019-02559-7>

Ziervogel, G., New, M., Archer van Garderen, E., Midgley, G., Taylor, A., Hamann, R., Stuart-Hill, S., Myers, J., & Warburton, M. (2014). Climate change impacts and adaptation in South Africa. *Wiley Interdisciplinary Reviews: Climate Change*, 5(5), 605–620. <https://doi.org/10.1002/wcc.295>