

## Appendix 1

1. A.O, A.; P.O, O.; P.O, A. Evaluation of Water Pollution Monitoring for Heavy Metal Contamination: A Case Study of Agodi Reservoir, Oyo State, Nigeria. *Environmental Monitoring and Assessment* **2022**, *194*, doi:[10.1007/s10661-022-10326-y](https://doi.org/10.1007/s10661-022-10326-y).
2. Abdelhafiz, M.A.; Elnazer, A.A.; Seleem, E.-M.M.; Mostafa, A.; Al-Gamal, A.G.; Salman, S.A.; Feng, X. Chemical and Bacterial Quality Monitoring of the Nile River Water and Associated Health Risks in Qena–Sohag Sector, Egypt. *Environmental Geochemistry and Health* **2021**, *43*, 4089–4104, doi:[10.1007/s10653-021-00893-3](https://doi.org/10.1007/s10653-021-00893-3).
3. Ahmed, R.S.; Abuarab, M.E.; Ibrahim, M.M.; Baioumy, M.; Mokhtar, A. Assessment of Environmental and Toxicity Impacts and Potential Health Hazards of Heavy Metals Pollution of Agricultural Drainage Adjacent to Industrial Zones in Egypt. *Chemosphere* **2023**, *318*, doi:[10.1016/j.chemosphere.2023.137872](https://doi.org/10.1016/j.chemosphere.2023.137872).
4. Amalraj, A.; Pius, A. Assessment of Groundwater Quality for Drinking and Agricultural Purposes of a Few Selected Areas in Tamil Nadu South India: A GIS-Based Study. *Sustainable Water Resources Management* **2018**, *4*, 1–21, doi:[10.1007/s40899-017-0113-8](https://doi.org/10.1007/s40899-017-0113-8).
5. Avigliano, E.; Schenone, N. Water Quality in Atlantic Rainforest Mountain Rivers (South America): Quality Indices Assessment, Nutrients Distribution, and Consumption Effect. *Environmental Science and Pollution Research* **2016**, *23*, 15063–15075, doi:[10.1007/s11356-016-6646-9](https://doi.org/10.1007/s11356-016-6646-9).
6. Banerjee, A.; Gautam, R.; Mudliar, S.; Bhaskar, T.; Ghosh, D. Water Footprint and Wastewater Quality Assessment of Yeast Single Cell Oil Production: Gate to Gate Approach for Industrial Water Sustainability. *Science of the Total Environment* **2023**, *866*, doi:[10.1016/j.scitotenv.2022.161127](https://doi.org/10.1016/j.scitotenv.2022.161127).
7. Benhaddya, M.L.; Halis, Y.; Lahcini, A. Concentration, Distribution, and Potential Aquatic Risk Assessment of Metals in Water from Chott Merouane (Ramsar Site), Algeria. *Archives of Environmental Contamination and Toxicology* **2019**, *77*, 127–143, doi:[10.1007/s00244-019-00631-y](https://doi.org/10.1007/s00244-019-00631-y).
8. Besser, H.; Hamed, Y. Environmental Impacts of Land Management on the Sustainability of Natural Resources in Oriental Erg Tunisia, North Africa. *Environment, Development and Sustainability* **2021**, *23*, 11677–11705, doi:[10.1007/s10668-020-01135-9](https://doi.org/10.1007/s10668-020-01135-9).
9. Bisht, A.; Kamboj, N.; Kamboj, V. Groundwater Quality and Potential Health Risk Assessment in the Vicinity of Solid Waste Dumping Sites of Quaternary Shallow Water Aquifers of Ganga Basin. *Water, Air, and Soil Pollution* **2022**, *233*, doi:[10.1007/s11270-022-05954-6](https://doi.org/10.1007/s11270-022-05954-6).
10. Boudabra, B.; Agoubi, B. A Groundwater Risk Assessment for Irrigation Purpose Based on Salinity Indicators: Applied to Southeastern Tunisia. *Environmental Monitoring and Assessment* **2023**, *195*, doi:[10.1007/s10661-022-10613-8](https://doi.org/10.1007/s10661-022-10613-8).
11. Chaudhary, M.; Mishra, S.; Kumar, A. Estimation of Water Pollution and Probability of Health Risk Due to Imbalanced Nutrients in River Ganga, India. *International Journal of River Basin Management* **2017**, *15*, 53–60, doi:[10.1080/15715124.2016.1205078](https://doi.org/10.1080/15715124.2016.1205078).
12. Cui, G.; Liu, Y.; Wang, P.; Bai, X.; Wang, H.; Xu, Y.; Yang, M.; Dong, L. Distribution Characteristics and Risk Assessment of Agricultural Land Use Non-Point Source Pollution in Typical Biofuel Ethanol Planting Areas. *International Journal of Environmental Research and Public Health* **2022**, *19*, doi:[10.3390/ijerph19031394](https://doi.org/10.3390/ijerph19031394).
13. Dippong, T.; Hoaghia, M.-A.; Mihali, C.; Cical, E.; Calugaru, M. Human Health Risk Assessment of Some Bottled Waters from Romania. *Environmental Pollution* **2020**, *267*, doi:[10.1016/j.envpol.2020.115409](https://doi.org/10.1016/j.envpol.2020.115409).
14. Dippong, T.; Mihali, C.; Hoaghia, M.-A.; Cical, E.; Cosma, A. Chemical Modeling of Groundwater Quality in the Aquifer of Seini Town – Someș Plain, Northwestern Romania. *Ecotoxicology and Environmental Safety* **2019**, *168*, 88–101, doi:[10.1016/j.ecoenv.2018.10.030](https://doi.org/10.1016/j.ecoenv.2018.10.030).
15. Dutta, S.; Barman, R.; Radhapyari, K.; Datta, S.; Lale, K.; Ray, B.; Chakraborty, T.; Srivastava, S.K. Potentially Toxic Elements in Groundwater of the Upper Brahmaputra Floodplains of Assam, India: Water Quality and Health Risk. *Environmental Monitoring and Assessment* **2022**, *194*, doi:[10.1007/s10661-022-10637-0](https://doi.org/10.1007/s10661-022-10637-0).
16. Egbueri, J.C.; Enyigwe, M.T.; Ayejoto, D.A. Modeling the Impact of Potentially Harmful Elements on the Groundwater Quality of a Mining Area (Nigeria) by Integrating NSFQI, HERisk Code, and HCs. *Environmental Monitoring and Assessment* **2022**, *194*, doi:[10.1007/s10661-022-09789-w](https://doi.org/10.1007/s10661-022-09789-w).
- 17.

- El Behairy, R.A.; El Baroudy, A.A.; Ibrahim, M.M.; Kheir, A.M.S.; Shokr, M.S. Modelling and Assessment of Irrigation Water Quality Index Using GIS in Semi-Arid Region for Sustainable Agriculture. *Water, Air, and Soil Pollution* **2021**, *232*, doi:[10.1007/s11270-021-05310-0](https://doi.org/10.1007/s11270-021-05310-0).
18. Faraji, H.; Shahryari, A. Estimation of Water Quality Index and Factors Affecting Their Changes in Groundwater Resource and Nitrate and Fluoride Risk Assessment. *Water, Air, and Soil Pollution* **2023**, *234*, doi:[10.1007/s11270-023-06626-9](https://doi.org/10.1007/s11270-023-06626-9).
19. Faseyi, C.A.; Miyittah, M.K.; Sowunmi, A.A.; Yafetto, L. Water Quality and Health Risk Assessments of Illegal Gold Mining-Impacted Estuaries in Ghana. *Marine Pollution Bulletin* **2022**, *185*, doi:[10.1016/j.marpolbul.2022.114277](https://doi.org/10.1016/j.marpolbul.2022.114277).
20. Gao, Q.; Li, Y.; Cheng, Q.; Yu, M.; Hu, B.; Wang, Z.; Yu, Z. Analysis and Assessment of the Nutrients, Biochemical Indexes and Heavy Metals in the Three Gorges Reservoir, China, from 2008 to 2013. *Water Research* **2016**, *92*, 262–274, doi:[10.1016/j.watres.2015.12.055](https://doi.org/10.1016/j.watres.2015.12.055).
21. Gao, Z.; Han, C.; Xu, Y.; Zhao, Z.; Luo, Z.; Liu, J. Assessment of the Water Quality of Groundwater in Bohai Rim and the Controlling Factors—a Case Study of Northern Shandong Peninsula, North China. *Environmental Pollution* **2021**, *285*, doi:[10.1016/j.envpol.2021.117482](https://doi.org/10.1016/j.envpol.2021.117482).
22. Ghaemi, Z.; Noshadi, M. Surface Water Quality Analysis Using Multivariate Statistical Techniques: A Case Study of Fars Province Rivers, Iran. *Environmental Monitoring and Assessment* **2022**, *194*, doi:[10.1007/s10661-022-09811-1](https://doi.org/10.1007/s10661-022-09811-1).
23. Gharaat, M.J.; Mohammadi, Z.; Rezanezhad, F. Distribution and Origin of Potentially Toxic Elements in a Multi-Aquifer System. *Environmental Science and Pollution Research* **2020**, *27*, 43724–43742, doi:[10.1007/s11356-020-10223-2](https://doi.org/10.1007/s11356-020-10223-2).
24. Hasan, A.B.; Reza, A.H.M.S.; Siddique, M.A.B.; Akbor, M.A.; Nahar, A.; Hasan, M.; Zaman, M.N.; Hasan, M.I.; Moniruzzaman, M. Spatial Distribution, Water Quality, Human Health Risk Assessment, and Origin of Heavy Metals in Groundwater and Seawater around the Ship-Breaking Area of Bangladesh. *Environmental Science and Pollution Research* **2023**, *30*, 16210–16235, doi:[10.1007/s11356-022-23282-4](https://doi.org/10.1007/s11356-022-23282-4).
25. Hernández-Mena, L.; Panduro-Rivera, M.G.; Díaz-Torres, J.J.; Ojeda-Castillo, V.; Del Real-Olvera, J.; López-Cervantes, M.; Pacheco-Domínguez, R.L.; Morton-Bermea, O.; Santacruz-Benítez, R.; Vallejo-Rodríguez, R.; et al. GIS, Multivariate Statistics Analysis and Health Risk Assessment of Water Supply Quality for Human Use in Central Mexico. *Water (Switzerland)* **2021**, *13*, doi:[10.3390/w13162196](https://doi.org/10.3390/w13162196).
26. Huang, X.; Chen, H. Study on Quantification Method for the Risk of Surface Water Environmental Pollution Caused by Sewage Irrigation in Agriculture. *Nature Environment and Pollution Technology* **2017**, *16*, 893–896.
27. Ibe, F.C.; Opara, A.I.; Ibe, B.O.; Amaobi, C.E. Application of Assessment Models for Pollution and Health Risk from Effluent Discharge into a Tropical Stream: Case Study of Inyishi River, Southeastern Nigeria. *Environmental Monitoring and Assessment* **2019**, *191*, doi:[10.1007/s10661-019-7936-8](https://doi.org/10.1007/s10661-019-7936-8).
28. Islam, A.R.M.T.; Islam, H.M.T.; Mia, M.U.; Khan, R.; Habib, M.A.; Bodrud-Doza, M.; Siddique, M.A.B.; Chu, R. Co-Distribution, Possible Origins, Status and Potential Health Risk of Trace Elements in Surface Water Sources from Six Major River Basins, Bangladesh. *Chemosphere* **2020**, *249*, doi:[10.1016/j.chemosphere.2020.126180](https://doi.org/10.1016/j.chemosphere.2020.126180).
29. Ji, Y.; Wu, J.; Wang, Y.; Elumalai, V.; Subramani, T. Seasonal Variation of Drinking Water Quality and Human Health Risk Assessment in Hancheng City of Guanzhong Plain, China. *Exposure and Health* **2020**, *12*, 469–485, doi:[10.1007/s12403-020-00357-6](https://doi.org/10.1007/s12403-020-00357-6).
30. Jiao, Y.; Liu, Y.; Wang, W.; Li, Y.; Chang, W.; Zhou, A.; Mu, R. Heavy Metal Distribution Characteristics, Water Quality Evaluation, and Health Risk Evaluation of Surface Water in Abandoned Multi-Year Pyrite Mine Area. *Water (Switzerland)* **2023**, *15*, doi:[10.3390/w15173138](https://doi.org/10.3390/w15173138).
31. Jolaosho, T.L.; Elegbede, I.O.; Ndimele, P.E.; Falebita, T.E.; Abolaji, O.Y.; Oladipupo, I.O.; Ademuyiwa, F.E.; Mustapha, A.A.; Oresanya, Z.O.; Isaac, O.O. Occurrence, Distribution, Source Apportionment, Ecological and Health Risk Assessment of Heavy Metals in Water, Sediment, Fish and Prawn from Ojo River in Lagos, Nigeria. *Environmental Monitoring and Assessment* **2024**, *196*, doi:[10.1007/s10661-023-12148-y](https://doi.org/10.1007/s10661-023-12148-y).
32. Karmakar, B.; Singh, M.K.; Choudhary, B.K.; Singh, S.K.; Egbueri, J.C.; Gautam, S.K.; Rawat, K.S. Investigation of the Hydrogeochemistry, Groundwater Quality, and Associated Health Risks in Industrialized Regions of Tripura, Northeast India. *Environmental Forensics* **2023**, *24*, 285–306, doi:[10.1080/15275922.2021.2006363](https://doi.org/10.1080/15275922.2021.2006363).
33. Karunanidhi, D.; Aravinthasamy, P.; Subramani, T.; Balakumar, K.G.; Chandran, N.S. Health Threats for the Inhabitants of a Textile Hub (Tiruppur Region) in Southern India Due to Multipath Entry of Fluoride Ions from Groundwater. *Ecotoxicology and Environmental Safety* **2020**, *204*, doi:[10.1016/j.ecoenv.2020.111071](https://doi.org/10.1016/j.ecoenv.2020.111071).
- 34.

- Khan, I.; Umar, R. Environmental Risk Assessment of Coal Fly Ash on Soil and Groundwater Quality, Aligarh, India. *Groundwater for Sustainable Development* **2019**, *8*, 346–357, doi:[10.1016/j.gsd.2018.12.002](https://doi.org/10.1016/j.gsd.2018.12.002).
- 35.
- Khan, M.A.; Khan, N.; Ahmad, A.; Kumar, R.; Singh, A.; Chaurasia, D.; Neogi, S.; Kumar, V.; Bhargava, P.C. Potential Health Risk Assessment, Spatio-Temporal Hydrochemistry and Groundwater Quality of Yamuna River Basin, Northern India. *Chemosphere* **2023**, *311*, doi:[10.1016/j.chemosphere.2022.136880](https://doi.org/10.1016/j.chemosphere.2022.136880).
- 36.
- Khan, R.A.; Khan, N.A.; El Morabet, R.; Alsubih, M.; Qadir, A.; Bokhari, A.; Mubashir, M.; Asif, S.; Cheah, W.Y.; Manickam, S.; et al. Geospatial Distribution and Health Risk Assessment of Groundwater Contaminated within the Industrial Areas: An Environmental Sustainability Perspective. *Chemosphere* **2022**, *303*, doi:[10.1016/j.chemosphere.2022.134749](https://doi.org/10.1016/j.chemosphere.2022.134749).
- 37.
- Kumar, R.; Dutt, V.; Raina, A.; Sharma, N. Spatial Water Quality Assessment of a Mountain Stream in Northwestern India Using Multivariate Statistical Techniques. *Environmental Monitoring and Assessment* **2022**, *194*, doi:[10.1007/s10661-022-10386-0](https://doi.org/10.1007/s10661-022-10386-0).
- 38.
- Kumari, P.; Maiti, S.K. Metal(Loid) Contamination in Water, Sediment, Epilithic Periphyton and Fish in Three Interconnected Ecosystems and Health Risk Assessment through Intake of Fish Cooked in Indian Style. *Environmental Science and Pollution Research* **2020**, *27*, 41914–41927, doi:[10.1007/s11356-020-10023-8](https://doi.org/10.1007/s11356-020-10023-8).
- 39.
- Lakshmi, R.V.; Raja, V.; Chidambaram, S.; Sekar, C.P.; Neelakantan, M.A. Industrial Impact on Groundwater Quality with Special Reference to Cr<sup>2+</sup> and Pb<sup>2+</sup> in Coastal Aquifers. *Environmental Monitoring and Assessment* **2021**, *193*, doi:[10.1007/s10661-021-09186-9](https://doi.org/10.1007/s10661-021-09186-9).
- 40.
- Lei, P.; Zhang, H.; Shan, B.; Zhang, B. Distribution, Diffusive Fluxes, and Toxicity of Heavy Metals and PAHs in Pore Water Profiles from the Northern Bays of Taihu Lake. *Environmental Science and Pollution Research* **2016**, *23*, 22072–22083, doi:[10.1007/s11356-016-7467-6](https://doi.org/10.1007/s11356-016-7467-6).
- 41.
- Li, X.; Shen, H.; Zhao, Y.; Cao, W.; Hu, C.; Sun, C. Distribution and Potential Ecological Risk of Heavy Metals in Water, Sediments, and Aquatic Macrophytes: A Case Study of the Junction of Four Rivers in Linyi City, China. *International Journal of Environmental Research and Public Health* **2019**, *16*, doi:[10.3390/ijerph16162861](https://doi.org/10.3390/ijerph16162861).
- 42.
- Li, Y.; Wang, F.; Feng, J.; Lv, J.; Liu, Q.; Nan, F.; Liu, X.; Xu, L.; Xie, S. Spatio-Temporal Variation and Risk Assessment of Hydrochemical Indices in a Large Diversion Project of the Yellow River, Northern China, from 2008 to 2017. *Environmental Science and Pollution Research* **2020**, *27*, 28438–28448, doi:[10.1007/s11356-020-09182-5](https://doi.org/10.1007/s11356-020-09182-5).
- 43.
- Liang, B.; Han, G.; Liu, M.; Yang, K.; Li, X.; Liu, J. Distribution, Sources, and Water Quality Assessment of Dissolved Heavy Metals in the Jiulongjiang River Water, Southeast China. *International Journal of Environmental Research and Public Health* **2018**, *15*, doi:[10.3390/ijerph15122752](https://doi.org/10.3390/ijerph15122752).
- 44.
- Liu, J.; Peng, Y.; Li, C.; Gao, Z.; Chen, S. Characterization of the Hydrochemistry of Water Resources of the Weibei Plain, Northern China, as Well as an Assessment of the Risk of High Groundwater Nitrate Levels to Human Health. *Environmental Pollution* **2021**, *268*, doi:[10.1016/j.envpol.2020.115947](https://doi.org/10.1016/j.envpol.2020.115947).
- 45.
- Longhini, C.M.; Rodrigues, S.K.; Costa, E.S.; da Silva, C.A.; Cagnin, R.C.; Gripp, M.; Lehrback, B.D.; Mill, G.N.; de Oliveira, E.M.C.; Hermogenes, C.D.C.M.; et al. Environmental Quality Assessment in a Marine Coastal Area Impacted by Mining Tailing Using a Geochemical Multi-Index and Physical Approach. *Science of the Total Environment* **2022**, *803*, doi:[10.1016/j.scitotenv.2021.149883](https://doi.org/10.1016/j.scitotenv.2021.149883).
- 46.
- Low, K.H.; Koki, I.B.; Juahir, H.; Azid, A.; Behkami, S.; Ikram, R.; Mohammed, H.A.; Zain, S.M. Evaluation of Water Quality Variation in Lakes, Rivers, and Ex-Mining Ponds in Malaysia (Review). *Desalination and Water Treatment* **2016**, *57*, 28215–28239, doi:[10.1080/19443994.2016.1185382](https://doi.org/10.1080/19443994.2016.1185382).
- 47.
- Luo, P.; Xu, C.; Kang, S.; Huo, A.; Lyu, J.; Zhou, M.; Nover, D. Heavy Metals in Water and Surface Sediments of the Fenghe River Basin, China: Assessment and Source Analysis. *Water Science and Technology* **2021**, *84*, 3072–3090, doi:[10.2166/wst.2021.335](https://doi.org/10.2166/wst.2021.335).
- 48.
- Mahjouri, N.; Abbasi, M.-R. Waste Load Allocation in Rivers under Uncertainty: Application of Social Choice Procedures. *Environmental Monitoring and Assessment* **2015**, *187*, doi:[10.1007/s10661-014-4194-7](https://doi.org/10.1007/s10661-014-4194-7).
- 49.
- Mgbenu, C.N.; Egbueri, J.C. The Hydrogeochemical Signatures, Quality Indices and Health Risk Assessment of Water Resources in Umunya District, Southeast Nigeria. *Applied Water Science* **2019**, *9*, doi:[10.1007/s13201-019-0900-5](https://doi.org/10.1007/s13201-019-0900-5).
- 50.
- Mian, H.R.; Hu, G.; Hewage, K.; Rodriguez, M.J.; Sadiq, R. Drinking Water Quality Assessment in Distribution Networks: A Water Footprint Approach. *Science of the Total Environment* **2021**, *775*, doi:[10.1016/j.scitotenv.2021.145844](https://doi.org/10.1016/j.scitotenv.2021.145844).
- 51.
- Mishra, A.; Lal, B. Assessment of Groundwater Quality in Ranchi District, Jharkhand, India, Using Water Evaluation Indices and Multivariate Statistics. *Environmental Monitoring and Assessment* **2023**, *195*, doi:[10.1007/s10661-023-11101-3](https://doi.org/10.1007/s10661-023-11101-3).

52. Naik, M.R.; Barik, M.; Prasad, K.V.; Kumar, A.; Verma, A.K.; Sahoo, S.K.; Jha, V.; Sahoo, N.K. Hydro-Geochemical Analysis Based on Entropy and Geostatistics Model for Delineation of Anthropogenic Ground Water Pollution for Health Risks Assessment of Dhenkanal District, India. *Ecotoxicology* **2022**, *31*, 549–564, doi:[10.1007/s10646-021-02442-1](https://doi.org/10.1007/s10646-021-02442-1).
53. Nganje, T.N.; Agbor, E.E.; Adamu, C.I.; Ukpong, A.J.; Katte, B.F.; Edet, A.E.; Hursthouse, A.S. Public Health Challenges as a Result of Contaminated Water Sources in Kumba, Cameroon. *Environmental Geochemistry and Health* **2020**, *42*, 1167–1195, doi:[10.1007/s10653-019-00375-7](https://doi.org/10.1007/s10653-019-00375-7).
54. Nong, X.; Shao, D.; Xiao, Y.; Zhong, H. Spatio-Temporal Characterization Analysis and Water Quality Assessment of the South-to-North Water Diversion Project of China. *International Journal of Environmental Research and Public Health* **2019**, *16*, doi:[10.3390/ijerph16122227](https://doi.org/10.3390/ijerph16122227).
55. Olegário de Campos Júnior, E.; da Silva Oliveira, R.G.; Pereira, B.B.; Souto, H.N.; Campos, C.F.; Nepomuceno, J.C.; Morelli, S. Assessment of Genotoxic, Mutagenic, and Recombinogenic Potential of Water Resources in the Paranaíba River Basin of Brazil: A Case Study. *Journal of Toxicology and Environmental Health - Part A: Current Issues* **2016**, *79*, 1190–1200, doi:[10.1080/15287394.2016.1228490](https://doi.org/10.1080/15287394.2016.1228490).
56. Onwordi, C.T.; Semako, M.; Izunobi, J.U.; Osifeko, O.L.; Majolagbe, A.O.; Ojekale, A.B. Assessment of the Groundwater Quality, Physicochemical Composition, and Human and Ecological Health Risks in a Coastal Metropolitan: A Case Study of a Residential Estate in Lagos, Nigeria. *Environmental Monitoring and Assessment* **2022**, *194*, doi:[10.1007/s10661-022-09780-5](https://doi.org/10.1007/s10661-022-09780-5).
57. Peng, S.; Xiao, X.; Zou, H.; Yang, Z.; Ahmad, U.M.; Zhao, Y.; Chen, H.; Li, G.; Liu, G.; Duan, X.; et al. Levels, Origins and Probabilistic Health Risk Appraisal for Trace Elements in Drinking Water from Lhasa, Tibet. *Environmental Geochemistry and Health* **2023**, *45*, 3405–3421, doi:[10.1007/s10653-022-01424-4](https://doi.org/10.1007/s10653-022-01424-4).
58. Rashid, M.B.; Siddique, M.A.B.; Khan, R.; Habib, M.A.; Islam, M.S.; Akbor, M.A.; Haque, A.J.M.E.; Sheik, M.R.; Kabir, M.A.; Sarker, M.N.; et al. Human Exposures to Multiple Water Sources in the Southwestern Coastal Region of Bangladesh: Water Quality, Pollution Sources, and Preliminary Health Risks Appraisals. *Environmental Science and Pollution Research* **2023**, *30*, 88132–88154, doi:[10.1007/s11356-023-28108-5](https://doi.org/10.1007/s11356-023-28108-5).
59. Rezaei, A.; Hassani, H.; Hayati, M.; Jabbari, N.; Barzegar, R. Risk Assessment and Ranking of Heavy Metals Concentration in Iran's Rayen Groundwater Basin Using Linear Assignment Method. *Stochastic Environmental Research and Risk Assessment* **2018**, *32*, 1317–1336, doi:[10.1007/s00477-017-1477-x](https://doi.org/10.1007/s00477-017-1477-x).
60. Saha, P.; Paul, B. Groundwater Quality Assessment in an Industrial Hotspot through Interdisciplinary Techniques. *Environmental Monitoring and Assessment* **2019**, *191*, doi:[10.1007/s10661-019-7418-z](https://doi.org/10.1007/s10661-019-7418-z).
61. Samal, P.; Mohanty, A.K.; Khaoash, S.; Mishra, P. Hydrogeochemical Evaluation, Groundwater Quality Appraisal, and Potential Health Risk Assessment in a Coal Mining Region of Eastern India. *Water, Air, and Soil Pollution* **2022**, *233*, doi:[10.1007/s11270-022-05811-6](https://doi.org/10.1007/s11270-022-05811-6).
62. Schneider, V.E.; Marques, R.V.; Bortolin, T.A.; Cemin, G.; Santos, G.M. Monitoring and Assessment of Surface Water Quality in Taquari-Antas Watershed, South Brazil—Region with Intensive Pig Farming. *Environmental Monitoring and Assessment* **2016**, *188*, doi:[10.1007/s10661-016-5635-2](https://doi.org/10.1007/s10661-016-5635-2).
63. Sheykhi, V.; Samani, N. Assessment of Water Quality Compartments in Kor River, IRAN. *Environmental Monitoring and Assessment* **2020**, *192*, doi:[10.1007/s10661-020-08464-2](https://doi.org/10.1007/s10661-020-08464-2).
64. Silva, M.G.G.; Silva, D.J.; Costa, P.D.; Silva, R.C.; Cassimiro, T.E.B.; Amorim, L.S.; Rocha, D.A.; Peixoto, Z.M.A. Analysis of Water Quality at Hydrographic Basin Scale Using Satellite Images, Co-Occurrence Matrices and Bayes Classifier. *Water Supply* **2021**, *21*, 4418–4428, doi:[10.2166/ws.2021.192](https://doi.org/10.2166/ws.2021.192).
65. Tekin-Özan, S.; Tunç, M.; Bakioğlu-Acar, B. Evaluation of Some Heavy Metals and Selenium Pollution in Karataş Lake (Burdur/Türkiye) Using Various Pollution Indices and Statistical Analysis. *Marine Pollution Bulletin* **2024**, *199*, doi:[10.1016/j.marpolbul.2023.115927](https://doi.org/10.1016/j.marpolbul.2023.115927).
66. Tengan, B.M.; Akoto, O. Comprehensive Evaluation of the Possible Impact of Roofing Materials on the Quality of Harvested Rainwater for Human Consumption. *Science of the Total Environment* **2022**, *819*, doi:[10.1016/j.scitotenv.2022.152966](https://doi.org/10.1016/j.scitotenv.2022.152966).
67. Tsaboula, A.; Papadakis, E.-N.; Vryzas, Z.; Kotopoulou, A.; Kintzikoglou, K.; Papadopoulou-Mourkidou, E. Assessment and Management of Pesticide Pollution at a River Basin Level Part I: Aquatic Ecotoxicological Quality Indices. *Science of the Total Environment* **2019**, *653*, 1597–1611, doi:[10.1016/j.scitotenv.2018.08.240](https://doi.org/10.1016/j.scitotenv.2018.08.240).
68. Varol, M.; Tokatlı, C. Evaluation of the Water Quality of a Highly Polluted Stream with Water Quality Indices and Health Risk Assessment Methods. *Chemosphere* **2023**, *311*, doi:[10.1016/j.chemosphere.2022.137096](https://doi.org/10.1016/j.chemosphere.2022.137096).

69. Villa-Achupallas, M.; Rosado, D.; Aguilar, S.; Galindo-Riaño, M.D. Water Quality in the Tropical Andes Hotspot: The Yacuambi River (Southeastern Ecuador). *Science of the Total Environment* **2018**, *633*, 50–58, doi:[10.1016/j.scitotenv.2018.03.165](https://doi.org/10.1016/j.scitotenv.2018.03.165).
70. Wang, J.; Liu, G.; Liu, H.; Lam, P.K.S. Multivariate Statistical Evaluation of Dissolved Trace Elements and a Water Quality Assessment in the Middle Reaches of Huaihe River, Anhui, China. *Science of the Total Environment* **2017**, *583*, 421–431, doi:[10.1016/j.scitotenv.2017.01.088](https://doi.org/10.1016/j.scitotenv.2017.01.088).
71. Wang, Y.; Li, P. Appraisal of Shallow Groundwater Quality with Human Health Risk Assessment in Different Seasons in Rural Areas of the Guanzhong Plain (China). *Environmental Research* **2022**, *207*, doi:[10.1016/j.envres.2021.112210](https://doi.org/10.1016/j.envres.2021.112210).
72. Wang, Y.; Li, R.; Wu, X.; Yan, Y.; Wei, C.; Luo, M.; Xiao, Y.; Zhang, Y. Evaluation of Groundwater Quality for Drinking and Irrigation Purposes Using GIS-Based IWQI, EWQI and HHR Model. *Water (Switzerland)* **2023**, *15*, doi:[10.3390/w15122233](https://doi.org/10.3390/w15122233).
73. Xia, L.; Han, Q.; Shang, L.; Wang, Y.; Li, X.; Zhang, J.; Yang, T.; Liu, J.; Liu, L. Quality Assessment and Prediction of Municipal Drinking Water Using Water Quality Index and Artificial Neural Network: A Case Study of Wuhan, Central China, from 2013 to 2019. *Science of the Total Environment* **2022**, *844*, doi:[10.1016/j.scitotenv.2022.157096](https://doi.org/10.1016/j.scitotenv.2022.157096).
74. Xiao, J.; Wang, L.; Chai, N.; Liu, T.; Jin, Z.; Rinklebe, J. Groundwater Hydrochemistry, Source Identification and Pollution Assessment in Intensive Industrial Areas, Eastern Chinese Loess Plateau. *Environmental Pollution* **2021**, *278*, doi:[10.1016/j.envpol.2021.116930](https://doi.org/10.1016/j.envpol.2021.116930).
75. Xiao, J.; Wang, L.; Deng, L.; Jin, Z. Characteristics, Sources, Water Quality and Health Risk Assessment of Trace Elements in River Water and Well Water in the Chinese Loess Plateau. *Science of the Total Environment* **2019**, *650*, 2004–2012, doi:[10.1016/j.scitotenv.2018.09.322](https://doi.org/10.1016/j.scitotenv.2018.09.322).
76. Yakovlev, E.; Druzhinin, S.; Druzhinina, A.; Zykov, S.; Ivanchenko, N. Trace Metals in Surface Water of the Pechora River and Its Tributaries: Content, Water Quality and Risks Assessment (Arctic Ocean Basin). *Marine Pollution Bulletin* **2023**, *194*, doi:[10.1016/j.marpolbul.2023.115317](https://doi.org/10.1016/j.marpolbul.2023.115317).
77. Yakovlev, E.; Druzhinina, A.; Druzhinin, S.; Zykov, S.; Ivanchenko, N. Assessment of Physical and Chemical Properties, Health Risk of Trace Metals and Quality Indices of Surface Waters of the Rivers and Lakes of the Kola Peninsula (Murmansk Region, North–West Russia). *Environmental Geochemistry and Health* **2022**, *44*, 2465–2494, doi:[10.1007/s10653-021-01027-5](https://doi.org/10.1007/s10653-021-01027-5).
78. Yang, F.; Jia, C.; Yang, X.; Yang, H.; Chang, W. Probabilistic Potential Health Risk Quantification, Hydrochemistry, Driving Forces of Groundwater Nitrate and Fluoride in a Typical Irrigation District, Northern China. *Journal of Environmental Management* **2022**, *323*, doi:[10.1016/j.jenvman.2022.116171](https://doi.org/10.1016/j.jenvman.2022.116171).
79. Yang, X.; Jia, C.; Yang, F.; Yang, H.; Yao, Y. Spatio-Temporal Variation of Groundwater Pollution in Urban Wetlands and Management Strategies for Zoning. *Journal of Environmental Management* **2023**, *342*, doi:[10.1016/j.jenvman.2023.118318](https://doi.org/10.1016/j.jenvman.2023.118318).
80. Yu, R.; Yang, R.; Zhang, C.; Špoljar, M.; Kuczyńska-Kippen, N.; Sang, G. A Vine Copula-Based Modeling for Identification of Multivariate Water Pollution Risk in an Interconnected River System Network. *Water (Switzerland)* **2020**, *12*, doi:[10.3390/w12102741](https://doi.org/10.3390/w12102741).
81. Zaghoul, G.Y.; El-Sawy, M.A.; Kelany, M.S.; Elgendy, A.R.; Abdel Halim, A.M.; Sabrah, M.M.; El-Din, H.M.E. A Comprehensive Evaluation of Water Quality and Its Potential Health Risks Using Physicochemical Indices in Coastal Areas of the Gulf of Suez, Red Sea. *Ocean and Coastal Management* **2023**, *243*, doi:[10.1016/j.ocecoaman.2023.106717](https://doi.org/10.1016/j.ocecoaman.2023.106717).
82. Zaharia, C. Decentralized Wastewater Treatment Systems: Efficiency and Its Estimated Impact against Onsite Natural Water Pollution Status. A Romanian Case Study. *Process Safety and Environmental Protection* **2017**, *108*, 74–88, doi:[10.1016/j.psep.2017.02.004](https://doi.org/10.1016/j.psep.2017.02.004).
83. Zhang, Q.; Xu, P.; Qian, H. Assessment of Groundwater Quality and Human Health Risk (HHR) Evaluation of Nitrate in the Central-Western Guanzhong Basin, China. *International Journal of Environmental Research and Public Health* **2019**, *16*, doi:[10.3390/ijerph16214246](https://doi.org/10.3390/ijerph16214246).
84. Zhang, Y.; He, Z.; Tian, H.; Huang, X.; Zhang, Z.; Liu, Y.; Xiao, Y.; Li, R. Hydrochemistry Appraisal, Quality Assessment and Health Risk Evaluation of Shallow Groundwater in the Mianyang Area of Sichuan Basin, Southwestern China. *Environmental Earth Sciences* **2021**, *80*, doi:[10.1007/s12665-021-09894-y](https://doi.org/10.1007/s12665-021-09894-y).
85. Zhang, Y.; Huang, Z.; Li, P.; Qi, X.; Guo, W.; Liang, Z.; Gao, Q.; Hu, Y. Temporal–Spatial Distribution Characteristics and Combinatorial Risk Probabilities of Water Pollutants in the Guo River Basin, China. *Environmental Earth Sciences* **2019**, *78*, doi:[10.1007/s12665-019-8485-8](https://doi.org/10.1007/s12665-019-8485-8).
- 86.

Zhang, Z.; Yu, N.; Liu, D.; Zhang, Y. Assessment and Source Analysis of Heavy Metal Contamination in Water and Surface Sediment in Dongping Lake, China. *Chemosphere* **2022**, *307*, doi:[10.1016/j.chemosphere.2022.136016](https://doi.org/10.1016/j.chemosphere.2022.136016).

87.

Zhao, M.M.; Wang, S.-M.; Chen, Y.-P.; Wu, J.-H.; Xue, L.-G.; Fan, T.T. Pollution Status of the Yellow River Tributaries in Middle and Lower Reaches. *Science of the Total Environment* **2020**, *722*, doi:[10.1016/j.scitotenv.2020.137861](https://doi.org/10.1016/j.scitotenv.2020.137861).

88.

Zhao, S.; Gong, Y.; Yang, S.; Chen, S.; Huang, D.; Yang, K.; Cheng, H. Health Risk Assessment of Heavy Metals and Disinfection By-Products in Drinking Water in Megacities in China: A Study Based on Age Groups and Monte Carlo Simulations. *Ecotoxicology and Environmental Safety* **2023**, *262*, doi:[10.1016/j.ecoenv.2023.115330](https://doi.org/10.1016/j.ecoenv.2023.115330).

## Appendix 2

1.

Ahmed, I.; Nazzal, Y.; Zaidi, F. Groundwater Pollution Risk Mapping Using Modified DRASTIC Model in Parts of Hail Region of Saudi Arabia. *Environmental Engineering Research* **2018**, *23*, 84–91, doi:[10.4491/eer.2017.072](https://doi.org/10.4491/eer.2017.072).

2.

Archer, D.; Fowler, H. A Historical Flash Flood Chronology for Britain. *Journal of Flood Risk Management* **2021**, *14*, doi:[10.1111/jfr3.12721](https://doi.org/10.1111/jfr3.12721).

3.

Bouchard, A.; Buguet, M.; Chan-Hon-Tong, A.; Dezert, J.; Lalande, P. Comparison of Different Forecasting Tools for Short-Range Lightning Strike Risk Assessment. *Natural Hazards* **2023**, *115*, 1011–1047, doi:[10.1007/s11069-022-05546-x](https://doi.org/10.1007/s11069-022-05546-x).

4.

Childs, S.J.; Schumacher, R.S.; Demuth, J.L. Agricultural Perspectives on Hailstorm Severity, Vulnerability, and Risk Messaging in Eastern Colorado. *Weather, Climate, and Society* **2020**, *12*, 897–911, doi:[10.1175/WCAS-D-20-0015.1](https://doi.org/10.1175/WCAS-D-20-0015.1).

5.

Choudhary, K.K.; Chakraborty, A.; Murthy, C.S.; Poddar, M.K. Satellite-Based Assessment of Hailstorm-Affected Potato Crop for Insurance Purpose. *Natural Hazards* **2022**, *114*, 787–810, doi:[10.1007/s11069-022-05412-w](https://doi.org/10.1007/s11069-022-05412-w).

6.

Kim, J.; Campbell, P.A.; Calhoun, K. A Framework to Predict Community Risk from Severe Weather Threats Using Probabilistic Hazard Information (PHI). *Atmosphere* **2023**, *14*, doi:[10.3390/atmos14050767](https://doi.org/10.3390/atmos14050767).

7.

Kinsara, A.A.; Shabana, E.-S.I.; Abulfaraj, W.H.; Qutub, M.M.T. Distribution of 222rn Concentration in an Inhabited Area Adjacent to the Aja Granitic Heights of Hail Province, Saudi Arabia. *Health Physics* **2015**, *108*, 59–66, doi:[10.1097/HP.0000000000000179](https://doi.org/10.1097/HP.0000000000000179).

8.

Lione, G.; Giordano, L.; Turina, M.; Gonthier, P. Hail-Induced Infections of the Chestnut Blight Pathogen *Cryphonectria Parasitica* Depend on Wound Size and May Lead to Severe Diebacks. *Phytopathology* **2020**, *110*, 1280–1293, doi:[10.1094/PHYTO-01-20-0006-R](https://doi.org/10.1094/PHYTO-01-20-0006-R).

9.

Meldrum, G.; Mijatović, D.; Rojas, W.; Flores, J.; Pinto, M.; Mamani, G.; Condori, E.; Hilaquita, D.; Gruberg, H.; Padulosi, S. Climate Change and Crop Diversity: Farmers' Perceptions and Adaptation on the Bolivian Altiplano. *Environment, Development and Sustainability* **2018**, *20*, 703–730, doi:[10.1007/s10668-016-9906-4](https://doi.org/10.1007/s10668-016-9906-4).

10.

Menapace, L.; Colson, G.; Raffaelli, R. Climate Change Beliefs and Perceptions of Agricultural Risks: An Application of the Exchangeability Method. *Global Environmental Change* **2015**, *35*, 70–81, doi:[10.1016/j.gloenvcha.2015.07.005](https://doi.org/10.1016/j.gloenvcha.2015.07.005).

11.

Mostafiz, R.B.; Rohli, R.V.; Friedland, C.J.; Gall, M.; Bushra, N. Future Crop Risk Estimation Due to Drought, Extreme Temperature, Hail, Lightning, and Tornado at the Census Tract Level in Louisiana. *Frontiers in Environmental Science* **2022**, *10*, doi:[10.3389/fenvs.2022.919782](https://doi.org/10.3389/fenvs.2022.919782).

12.

Nguy-Robertson, A.L.; Zyguelbaum, A.I.; McMechan, A.J.; Hein, G.L.; Wegulo, S.N.; Stilwell, A.R.; Smith, T.M. Developing the Framework for a Risk Map for Mite Vectors in Wheat Resulting from Pre-Harvest Hail Damage. *Crop Protection* **2016**, *89*, 21–31, doi:[10.1016/j.cropro.2016.06.014](https://doi.org/10.1016/j.cropro.2016.06.014).

13.

Petrucci, O.; Salvati, P.; Aceto, L.; Bianchi, C.; Pasqua, A.A.; Rossi, M.; Guzzetti, F. The Vulnerability of People to Damaging Hydrogeological Events in the Calabria Region (Southern Italy). *International Journal of Environmental Research and Public Health* **2018**, *15*, doi:[10.3390/ijerph15010048](https://doi.org/10.3390/ijerph15010048).

14.

Qi, X.; Vitousek, P.M.; Liu, L. Provincial Food Security in China: A Quantitative Risk Assessment Based on Local Food Supply and Demand Trends. *Food Security* **2015**, *7*, 621–632, doi:[10.1007/s12571-015-0458-5](https://doi.org/10.1007/s12571-015-0458-5).

15.

- Reyes, J.; Elias, E.; Haacker, E.; Kremen, A.; Parker, L.; Rottler, C. Assessing Agricultural Risk Management Using Historic Crop Insurance Loss Data over the Ogallala Aquifer. *Agricultural Water Management* **2020**, *232*, doi:[10.1016/j.agwat.2020.106000](https://doi.org/10.1016/j.agwat.2020.106000).
- 16.
- Rowden, K.W.; Aly, M.H. GIS-Based Regression Modeling of the Extreme Weather Patterns in Arkansas, USA. *Geoenvironmental Disasters* **2018**, *5*, doi:[10.1186/s40677-018-0098-0](https://doi.org/10.1186/s40677-018-0098-0).
- 17.
- Talkhan, O.F.A.; Abd Elwahab, S.A.E.; Shalapy, E.M. Biochemical Studies on the Effect of Different Water Resources in Hail Region on Liver and Kidney Functions of Rats. *Environmental Monitoring and Assessment* **2016**, *188*, doi:[10.1007/s10661-016-5504-z](https://doi.org/10.1007/s10661-016-5504-z).
- 18.
- Torralba, V.; Hénin, R.; Cantelli, A.; Scoccimarro, E.; Materia, S.; Manzato, A.; Gualdi, S. Modelling Hail Hazard over Italy with ERA5 Large-Scale Variables. *Weather and Climate Extremes* **2023**, *39*, doi:[10.1016/j.wace.2022.100535](https://doi.org/10.1016/j.wace.2022.100535).
- 19.
- Wang, J.; Weng, W. A Simplified Methodology for Rapid Natech Risk Assessment of Flood-Wind-Hail Multi-Hazard Scenario. *Natural Hazards* **2023**, *119*, 965–987, doi:[10.1007/s11069-022-05770-5](https://doi.org/10.1007/s11069-022-05770-5).
- 20.
- Wang, L.; Hu, G.; Yue, Y.; Ye, X.; Li, M.; Zhao, J.; Wan, J. GIS-Based Risk Assessment of Hail Disasters Affecting Cotton and Its Spatiotemporal Evolution in China. *Sustainability (Switzerland)* **2016**, *8*, doi:[10.3390/su8030218](https://doi.org/10.3390/su8030218).
- 21.
- Zhang, J.; Wang, J.; Chen, S.; Tang, S.; Zhao, W. Multi-Hazard Meteorological Disaster Risk Assessment for Agriculture Based on Historical Disaster Data in Jilin Province, China. *Sustainability (Switzerland)* **2022**, *14*, doi:[10.3390/su14127482](https://doi.org/10.3390/su14127482).
- 22.
- Zhou, Y.; Liu, Y.; Wu, W.; Li, N. Integrated Risk Assessment of Multi-Hazards in China. *Natural Hazards* **2015**, *78*, 257–280, doi:[10.1007/s11069-015-1713-y](https://doi.org/10.1007/s11069-015-1713-y).

## Appendix 3

- 1.
- Abreu, T.; Parreño-Mas, B.; Pinto-Faria, J. Coastal Management Risk Analysis of an Embayed Beach in Majorca Island. *SN Applied Sciences* **2020**, *2*, doi:[10.1007/s42452-020-03325-6](https://doi.org/10.1007/s42452-020-03325-6).
- 2.
- Alberico, I.; Iavarone, R.; Angrisani, A.C.; Castiello, A.; Incarnato, R.; Barra, R. The Potential Vulnerability Indices as Tools for Natural Risk Reduction. The Volturmo Coastal Plain Case Study. *Journal of Coastal Conservation* **2017**, *21*, 743–758, doi:[10.1007/s11852-017-0534-4](https://doi.org/10.1007/s11852-017-0534-4).
- 3.
- Anderson, T.R.; Fletcher, C.H.; Barbee, M.M.; Frazer, L.N.; Romine, B.M. Doubling of Coastal Erosion under Rising Sea Level by Mid-Century in Hawaii. *Natural Hazards* **2015**, *78*, 75–103, doi:[10.1007/s11069-015-1698-6](https://doi.org/10.1007/s11069-015-1698-6).
- 4.
- André, C.; Boulet, D.; Rey-Valette, H.; Rulleau, B. Protection by Hard Defence Structures or Relocation of Assets Exposed to Coastal Risks: Contributions and Drawbacks of Cost-Benefit Analysis for Long-Term Adaptation Choices to Climate Change. *Ocean and Coastal Management* **2016**, *134*, 173–182, doi:[10.1016/j.ocecoaman.2016.10.003](https://doi.org/10.1016/j.ocecoaman.2016.10.003).
- 5.
- Andreeva, I.V. Hazards and Risks of Recreation Water Use: Vectors of International Studies. The Impacts of Natural Forces on Recreation Beaches and Human Health. *Water Resources* **2023**, *50*, 444–451, doi:[10.1134/S009780782303003X](https://doi.org/10.1134/S009780782303003X).
- 6.
- Anisimov, A.; Magnan, A.K.; Duvat, V.K.E. Learning from Risk Reduction Pilot Projects for Enhancing Long-Term Adaptation Governance: The Case of Mauritius Island (Indian Ocean). *Environmental Science and Policy* **2020**, *108*, 93–103, doi:[10.1016/j.envsci.2020.03.016](https://doi.org/10.1016/j.envsci.2020.03.016).
- 7.
- Armaroli, C.; Duo, E. Validation of the Coastal Storm Risk Assessment Framework along the Emilia-Romagna Coast. *Coastal Engineering* **2018**, *134*, 159–167, doi:[10.1016/j.coastaleng.2017.08.014](https://doi.org/10.1016/j.coastaleng.2017.08.014).
- 8.
- Aucelli, P.P.C.; Di Paola, G.; Rizzo, A.; Roskopf, C.M. Present Day and Future Scenarios of Coastal Erosion and Flooding Processes along the Italian Adriatic Coast: The Case of Molise Region. *Environmental Earth Sciences* **2018**, *77*, doi:[10.1007/s12665-018-7535-y](https://doi.org/10.1007/s12665-018-7535-y).
- 9.
- Audère, M.; Robin, M. Assessment of the Vulnerability of Sandy Coasts to Erosion (Short and Medium Term) for Coastal Risk Mapping (Vendée, W France). *Ocean and Coastal Management* **2021**, *201*, doi:[10.1016/j.ocecoaman.2020.105452](https://doi.org/10.1016/j.ocecoaman.2020.105452).
- 10.
- Aydın, M.; Uysal, M. Risk Assessment of Coastal Erosion of Karasu Coast in Black Sea. *Journal of Coastal Conservation* **2014**, *18*, 673–682, doi:[10.1007/s11852-014-0343-y](https://doi.org/10.1007/s11852-014-0343-y).
- 11.

- Baills, A.; Garcin, M.; Bulteau, T. Assessment of Selected Climate Change Adaptation Measures for Coastal Areas. *Ocean and Coastal Management* **2020**, *185*, doi:[10.1016/j.ocecoaman.2019.105059](https://doi.org/10.1016/j.ocecoaman.2019.105059).
12. Ballesteros, C.; Jiménez, J.A.; Valdemoro, H.I.; Bosom, E. Erosion Consequences on Beach Functions along the Maresme Coast (NW Mediterranean, Spain). *Natural Hazards* **2018**, *90*, 173–195, doi:[10.1007/s11069-017-3038-5](https://doi.org/10.1007/s11069-017-3038-5).
13. Barbaro, G. Master Plan of Solutions to Mitigate the Risk of Coastal Erosion in Calabria (Italy), a Case Study. *Ocean and Coastal Management* **2016**, *132*, 24–35, doi:[10.1016/j.ocecoaman.2016.08.001](https://doi.org/10.1016/j.ocecoaman.2016.08.001).
14. Beaven, R.P.; Stringfellow, A.M.; Nicholls, R.J.; Haigh, I.D.; Kebede, A.S.; Watts, J. Future Challenges of Coastal Landfills Exacerbated by Sea Level Rise. *Waste Management* **2020**, *105*, 92–101, doi:[10.1016/j.wasman.2020.01.027](https://doi.org/10.1016/j.wasman.2020.01.027).
15. Bellert, F.; Fila, K.; Thoms, R.; Hagenlocher, M.; Harb, M.; Cotti, D.; Baccouche, H.; Ayed, S.; Garschagen, M. Application of Remote Sensing and GIS for Risk Assessment in Monastir, Tunisia. In *Springer Water*; 2021; pp. 191–210.
16. Benson, D.; Fritsch, O.; Langstaff, L. Local Flood Risk Management Strategies in England: Patterns of Application. *Journal of Flood Risk Management* **2018**, *11*, S827–S837, doi:[10.1111/jfr3.12264](https://doi.org/10.1111/jfr3.12264).
17. Bera, A.; Meraj, G.; Kanga, S.; Farooq, M.; Singh, S.K.; Sahu, N.; Kumar, P. Vulnerability and Risk Assessment to Climate Change in Sagar Island, India. *Water (Switzerland)* **2022**, *14*, doi:[10.3390/w14050823](https://doi.org/10.3390/w14050823).
18. Bergsma, E.W.J.; Sadio, M.; Sakho, I.; Almar, R.; Garlan, T.; Gosselin, M.; Gauduin, H. Sand-Spit Evolution and Inlet Dynamics Derived from Space-Borne Optical Imagery: Is the Senegal-River Inlet Closing? *Journal of Coastal Research* **2020**, *95*, 372–376, doi:[10.2112/SI95-072.1](https://doi.org/10.2112/SI95-072.1).
19. Bheeroo, R.A.; Chandrasekar, N.; Kaliraj, S.; Magesh, N.S. Shoreline Change Rate and Erosion Risk Assessment along the Trou Aux Biches–Mont Choisy Beach on the Northwest Coast of Mauritius Using GIS-DSAS Technique. *Environmental Earth Sciences* **2016**, *75*, doi:[10.1007/s12665-016-5311-4](https://doi.org/10.1007/s12665-016-5311-4).
20. Bianco, F.; Conti, P.; García-Ayllon, S.; Pranzini, E. An Integrated Approach to Analyze Sedimentary Stock and Coastal Erosion in Vulnerable Areas: Resilience Assessment of San Vincenzo’s Coast (Italy). *Water (Switzerland)* **2020**, *12*, doi:[10.3390/w12030805](https://doi.org/10.3390/w12030805).
21. Bilkovic, D.M.; Mitchell, M.M.; Davis, J.; Herman, J.; Andrews, E.; King, A.; Mason, P.; Tahvildari, N.; Davis, J.; Dixon, R.L. Defining Boat Wake Impacts on Shoreline Stability toward Management and Policy Solutions. *Ocean and Coastal Management* **2019**, *182*, doi:[10.1016/j.ocecoaman.2019.104945](https://doi.org/10.1016/j.ocecoaman.2019.104945).
22. Bio, A.; Bastos, L.; Granja, H.; Pinho, J.L.S.; Goncalves, J.A.; Henriques, R.; Madeira, S.; Magalhaes, A.; Rodrigues, D. Methods for Coastal Monitoring and Erosion Risk Assessment: Two Portuguese Case Studies. *Journal of Integrated Coastal Zone Management* **2015**, *15*, 47–63, doi:[10.5894/rgci490](https://doi.org/10.5894/rgci490).
23. Bonetti, J.; da Fontoura Klein, A.H.; Muler, M.; De Luca, C.B.; da Silva, G.V.; Toldo, E.E.; González, M. Spatial and Numerical Methodologies on Coastal Erosion and Flooding Risk Assessment. In *Coastal Research Library*; 2013; Vol. 1000, pp. 423–442.
24. Boussetta, A.; Niculescu, S.; Bengoufa, S.; Zagarni, M.F. Spatio-Temporal Analysis of Shoreline Changes and Erosion Risk Assessment along Jerba Island (Tunisia) Based on Remote-Sensing Data and Geospatial Tools. *Regional Studies in Marine Science* **2022**, *55*, doi:[10.1016/j.rsma.2022.102564](https://doi.org/10.1016/j.rsma.2022.102564).
25. Brand, J.H.; Spencer, K.L. Potential Contamination of the Coastal Zone by Eroding Historic Landfills. *Marine Pollution Bulletin* **2019**, *146*, 282–291, doi:[10.1016/j.marpolbul.2019.06.017](https://doi.org/10.1016/j.marpolbul.2019.06.017).
26. Brand, J.H.; Spencer, K.L. Will Flooding or Erosion of Historic Landfills Result in a Significant Release of Soluble Contaminants to the Coastal Zone? *The Science of the total environment* **2020**, *724*, 138150, doi:[10.1016/j.scitotenv.2020.138150](https://doi.org/10.1016/j.scitotenv.2020.138150).
27. Brisley, R.; Wylde, R.; Lamb, R.; Cooper, J.; Sayers, P.; Hall, J. Techniques for Valuing Adaptive Capacity in Flood Risk Management. *Proceedings of the Institution of Civil Engineers: Water Management* **2016**, *169*, 75–84, doi:[10.1680/jwama.14.00070](https://doi.org/10.1680/jwama.14.00070).
28. Bruno, M.F.; Saponieri, A.; Molfetta, M.G.; Damiani, L. The DPSIR Approach for Coastal Risk Assessment under Climate Change at Regional Scale: The Case of Apulian Coast (Italy). *Journal of Marine Science and Engineering* **2020**, *8*, doi:[10.3390/JMSE8070531](https://doi.org/10.3390/JMSE8070531).
29. Cantasano, N.; Caloiero, T.; Pellicone, G.; Aristodemo, F.; De Marco, A.; Tagarelli, G. Can ICZM Contribute to the Mitigation of Erosion and of Human Activities Threatening the Natural and Cultural Heritage of the Coastal Landscape of Calabria? *Sustainability (Switzerland)* **2021**, *13*, 1–19, doi:[10.3390/su13031122](https://doi.org/10.3390/su13031122).
- 30.

- Chadenas, C.; Chotard, M.; Navarro, O.; Kerguillec, R.; Robin, M.; Juigner, M. Coastal Erosion Risk: Population Adaptation to Climate Change—A Case Study of the Pays de La Loire Coastline. *Weather, Climate, and Society* **2023**, *15*, 145–157, doi:[10.1175/WCAS-D-22-0011.1](https://doi.org/10.1175/WCAS-D-22-0011.1).
31. Chaib, W.; Guerfi, M.; Hemdane, Y. Evaluation of Coastal Vulnerability and Exposure to Erosion and Submersion Risks in Bou Ismail Bay (Algeria) Using the Coastal Risk Index (CRI). *Arabian Journal of Geosciences* **2020**, *13*, doi:[10.1007/s12517-020-05407-6](https://doi.org/10.1007/s12517-020-05407-6).
32. Chapapría, V.E.; Peris, J.S.; González-Escrivá, J.A. Coastal Monitoring Using Unmanned Aerial Vehicles (UAVs) for the Management of the Spanish Mediterranean Coast: The Case of Almenara-Sagunto. *International Journal of Environmental Research and Public Health* **2022**, *19*, doi:[10.3390/ijerph19095457](https://doi.org/10.3390/ijerph19095457).
33. Chen, S.; Sun, Y.; Tang, K.; Zhang, F.; Ding, W.; Wang, A. Distribution Characteristics and Restoration Application of Vegetation in Chengcun Bay Surrounding Areas of Yangjiang City. *International Journal of Environmental Research and Public Health* **2022**, *19*, doi:[10.3390/ijerph191610399](https://doi.org/10.3390/ijerph191610399).
34. Clare, M.C.A.; Piggott, M.D.; Cotter, C.J. Assessing Erosion and Flood Risk in the Coastal Zone through the Application of Multilevel Monte Carlo Methods. *Coastal Engineering* **2022**, *174*, doi:[10.1016/j.coastaleng.2022.104118](https://doi.org/10.1016/j.coastaleng.2022.104118).
35. Costas, S.; Ferreira, O.; Martinez, G. Why Do We Decide to Live with Risk at the Coast? *Ocean and Coastal Management* **2015**, *118*, 1–11, doi:[10.1016/j.ocecoaman.2015.05.015](https://doi.org/10.1016/j.ocecoaman.2015.05.015).
36. Cumiskey, L.; Priest, S.; Valchev, N.; Viavattene, C.; Costas, S.; Clarke, J. A Framework to Include the (Inter)Dependencies of Disaster Risk Reduction Measures in Coastal Risk Assessment. *Coastal Engineering* **2018**, *134*, 81–92, doi:[10.1016/j.coastaleng.2017.08.009](https://doi.org/10.1016/j.coastaleng.2017.08.009).
37. Dada, O.A.; Angnuureng, D.B.; Almar, R.; Dzantor, S.; Morand, P. Social Perceptions of Coastal Hazards in the Anlo Beach Community in the Western Region of Ghana. *Journal of Coastal Conservation* **2022**, *26*, doi:[10.1007/s11852-022-00909-9](https://doi.org/10.1007/s11852-022-00909-9).
38. Darsan, J.; Asmath, H.; Jehu, A. Flood-Risk Mapping for Storm Surge and Tsunami at Cocos Bay (Manzanilla), Trinidad. *Journal of Coastal Conservation* **2013**, *17*, 679–689, doi:[10.1007/s11852-013-0276-x](https://doi.org/10.1007/s11852-013-0276-x).
39. Dávila, O.G.; Stithou, M.; Pescaroli, G.; Pietrantoni, L.; Koundouri, P.; Díaz-Simal, P.; Rulleau, B.; Touili, N.; Hissel, F.; Penning-Rowsell, E. Promoting Resilient Economies by Exploring Insurance Potential for Facing Coastal Flooding and Erosion: Evidence from Italy, Spain, France and United Kingdom. *Coastal Engineering* **2014**, *87*, 183–192, doi:[10.1016/j.coastaleng.2013.12.007](https://doi.org/10.1016/j.coastaleng.2013.12.007).
40. Di Paola, G.; Alberico, I.; Aucelli, P.P.C.; Matano, F.; Rizzo, A.; Vilardo, G. Coastal Subsidence Detected by Synthetic Aperture Radar Interferometry and Its Effects Coupled with Future Sea-Level Rise: The Case of the Sele Plain (Southern Italy). *Journal of Flood Risk Management* **2018**, *11*, 191–206, doi:[10.1111/jfr3.12308](https://doi.org/10.1111/jfr3.12308).
41. Di Paola, G.; Aucelli, P.P.C.; Benassai, G.; Iglesias, J.; Rodríguez, G.; Roskopf, C.M. The Assessment of the Coastal Vulnerability and Exposure Degree of Gran Canaria Island (Spain) with a Focus on the Coastal Risk of Las Canteras Beach in Las Palmas de Gran Canaria. *Journal of Coastal Conservation* **2018**, *22*, 1001–1015, doi:[10.1007/s11852-017-0574-9](https://doi.org/10.1007/s11852-017-0574-9).
42. Djouder, F.; Boutiba, M. Vulnerability Assessment of Coastal Areas to Sea Level Rise from the Physical and Socioeconomic Parameters: Case of the Gulf Coast of Bejaia, Algeria. *Arabian Journal of Geosciences* **2017**, *10*, doi:[10.1007/s12517-017-3062-5](https://doi.org/10.1007/s12517-017-3062-5).
43. Fang, J.; Xu, M. A Novel Ecological Risk Assessment Approach Applied to Jiangsu Coastal Zone, China. *Ocean and Coastal Management* **2023**, *244*, doi:[10.1016/j.ocecoaman.2023.106815](https://doi.org/10.1016/j.ocecoaman.2023.106815).
44. Fenech, A.; Chen, A.; Clark, A.; Hedley, N. Building an Adaptation Tool for Visualizing the Coastal Impacts of Climate Change on Prince Edward Island, Canada. In *Climate Change Management*; 2017; pp. 225–238.
45. Fernández-Montblanc, T.; Duo, E.; Ciavola, P. Dune Reconstruction and Revegetation as a Potential Measure to Decrease Coastal Erosion and Flooding under Extreme Storm Conditions. *Ocean and Coastal Management* **2020**, *188*, doi:[10.1016/j.ocecoaman.2019.105075](https://doi.org/10.1016/j.ocecoaman.2019.105075).
46. Ferreira, A.M.; Coelho, C.; Narra, P. Coastal Erosion Risk Assessment to Discuss Mitigation Strategies: Barra-Vagueira, Portugal. *Natural Hazards* **2021**, *105*, 1069–1107, doi:[10.1007/s11069-020-04349-2](https://doi.org/10.1007/s11069-020-04349-2).
47. Fitton, J.M.; Hansom, J.D.; Rennie, A.F. A Method for Modelling Coastal Erosion Risk: The Example of Scotland. *Natural Hazards* **2018**, *91*, 931–961, doi:[10.1007/s11069-017-3164-0](https://doi.org/10.1007/s11069-017-3164-0).
- 48.

- Fogarin, S.; Zanetti, M.; Dal Barco, M.K.; Zennaro, F.; Furlan, E.; Torresan, S.; Pham, H.V.; Critto, A. Combining Remote Sensing Analysis with Machine Learning to Evaluate Short-Term Coastal Evolution Trend in the Shoreline of Venice. *Science of the Total Environment* **2023**, *859*, doi:[10.1016/j.scitotenv.2022.160293](https://doi.org/10.1016/j.scitotenv.2022.160293).  
49.
- Foti, G.; Barbaro, G.; Barillà, G.C.; Mancuso, P.; Puntorieri, P. Shoreline Evolutionary Trends Along Calabrian Coasts: Causes and Classification. *Frontiers in Marine Science* **2022**, *9*, doi:[10.3389/fmars.2022.846914](https://doi.org/10.3389/fmars.2022.846914).  
50.
- Frihy, O.E.; El-Sayed, M.K. Vulnerability Risk Assessment and Adaptation to Climate Change Induced Sea Level Rise along the Mediterranean Coast of Egypt. *Mitigation and Adaptation Strategies for Global Change* **2013**, *18*, 1215–1237, doi:[10.1007/s11027-012-9418-y](https://doi.org/10.1007/s11027-012-9418-y).  
51.
- Gallina, V.; Torresan, S.; Zabeo, A.; Rizzi, J.; Carniel, S.; Sclavo, M.; Pizzol, L.; Marcomini, A.; Critto, A. Assessment of Climate Change Impacts in the North Adriatic Coastal Area. Part II: Consequences for Coastal Erosion Impacts at the Regional Scale. *Water (Switzerland)* **2019**, *11*, doi:[10.3390/w11061300](https://doi.org/10.3390/w11061300).  
52.
- Ghosh, A. Quantitative Approach on Erosion Hazard, Vulnerability and Risk Assessment: Case Study of Muriganga–Saptamukhi Interfluvium, Sundarban, India. *Natural Hazards* **2017**, *87*, 1709–1729, doi:[10.1007/s11069-017-2844-0](https://doi.org/10.1007/s11069-017-2844-0).  
53.
- Ghoussein, Y.; Mhawej, M.; Jaffal, A.; Fadel, A.; El Hourany, R.; Faour, G. Vulnerability Assessment of the South-Lebanese Coast: A GIS-Based Approach. *Ocean and Coastal Management* **2018**, *158*, 56–63, doi:[10.1016/j.ocecoaman.2018.03.028](https://doi.org/10.1016/j.ocecoaman.2018.03.028).  
54.
- Gibbs, M.T. Consistency in Coastal Climate Adaptation Planning in Australia and the Importance of Understanding Local Political Barriers to Implementation. *Ocean and Coastal Management* **2019**, *173*, 131–138, doi:[10.1016/j.ocecoaman.2019.03.006](https://doi.org/10.1016/j.ocecoaman.2019.03.006).  
55.
- Goodhew, T. Coastal Flood Defences - Strategies for Protection in the United Kingdom. In *Water Resources in the Built Environment: Management Issues and Solutions*; 2014; Vol. 9780470670910, pp. 233–248.  
56.
- Greco, M.; Martino, G. Vulnerability Assessment for Preliminary Flood Risk Mapping and Management in Coastal Areas. *Natural Hazards* **2016**, *82*, 7–26, doi:[10.1007/s11069-016-2293-1](https://doi.org/10.1007/s11069-016-2293-1).  
57.
- Gzam, M.; Mansouri, B.; Gargouri, D.; Kharroubi, A. Assessment of the Coastal Sensitivity in the Southern Mediterranean Using the CSI. *Environmental Processes* **2022**, *9*, doi:[10.1007/s40710-022-00584-w](https://doi.org/10.1007/s40710-022-00584-w).  
58.
- Habersack, H.; Hein, T.; Stanica, A.; Liska, I.; Mair, R.; Jäger, E.; Hauer, C.; Bradley, C. Challenges of River Basin Management: Current Status of, and Prospects for, the River Danube from a River Engineering Perspective. *Science of the Total Environment* **2016**, *543*, 828–845, doi:[10.1016/j.scitotenv.2015.10.123](https://doi.org/10.1016/j.scitotenv.2015.10.123).  
59.
- Hassan, A.; Hassaan, M.A. Potential Impact of Sea Level Rise on the Geomorphology of Kuwait State Coastline. *Arabian Journal of Geosciences* **2020**, *13*, doi:[10.1007/s12517-020-06084-1](https://doi.org/10.1007/s12517-020-06084-1).  
60.
- Hellwig, M.D. Automatic Time-Series Quantification of Bluff Erosion Using a Single Consumer Grade Camera as Basis for Erosion Risk Assessment and Forecasts – a Boston Harbor Islands Case Study. *Journal of Coastal Conservation* **2016**, *20*, 469–476, doi:[10.1007/s11852-016-0460-x](https://doi.org/10.1007/s11852-016-0460-x).  
61.
- Huang, W.-P.; Ye, C.-J.; Hsu, J.-C. Forecasts of the Compound Coastal Erosion Risks Based on Time-Variant Assessment: A Case Study on Yunlin Coast, Taiwan. *Sustainability (Switzerland)* **2022**, *14*, doi:[10.3390/su142114505](https://doi.org/10.3390/su142114505).  
62.
- Huang, Y.; Zhang, T.; Wu, W.; Zhou, Y.; Tian, B. Rapid Risk Assessment of Wetland Degradation and Loss in Low-Lying Coastal Zone of Shanghai, China. *Human and Ecological Risk Assessment* **2017**, *23*, 82–97, doi:[10.1080/10807039.2016.1223536](https://doi.org/10.1080/10807039.2016.1223536).  
63.
- Ietto, F.; Cantasano, N.; Pellicone, G. A New Coastal Erosion Risk Assessment Indicator: Application to the Calabria Tyrrhenian Littoral (Southern Italy). *Environmental Processes* **2018**, *5*, 201–223, doi:[10.1007/s40710-018-0295-6](https://doi.org/10.1007/s40710-018-0295-6).  
64.
- Jadidi, A.; Mostafavi, M.A.; Bédard, Y.; Long, B.; Grenier, E. Using Geospatial Business Intelligence Paradigm to Design a Multidimensional Conceptual Model for Efficient Coastal Erosion Risk Assessment. *Journal of Coastal Conservation* **2013**, *17*, 527–543, doi:[10.1007/s11852-013-0252-5](https://doi.org/10.1007/s11852-013-0252-5).  
65.
- Jäger, W.S.; Christie, E.K.; Hanea, A.M.; den Heijer, C.; Spencer, T. A Bayesian Network Approach for Coastal Risk Analysis and Decision Making. *Coastal Engineering* **2018**, *134*, 48–61, doi:[10.1016/j.coastaleng.2017.05.004](https://doi.org/10.1016/j.coastaleng.2017.05.004).  
66.
- Jaskólski, M.W.; Pawłowski, L.; Strzelecki, M.C. High Arctic Coasts at Risk – the Case Study of Coastal Zone Development and Degradation Associated with Climate Changes and Multidirectional Human Impacts in Longyearbyen (Adventfjorden, Svalbard). *Land Degradation and Development* **2018**, *29*, 2514–2524, doi:[10.1002/ldr.2974](https://doi.org/10.1002/ldr.2974).  
67.
- Jongejan, R.; Ranasinghe, R.; Wainwright, D.; Callaghan, D.P.; Reyns, J. Drawing the Line on Coastline Recession Risk. *Ocean and Coastal Management* **2016**, *122*, 87–94, doi:[10.1016/j.ocecoaman.2016.01.006](https://doi.org/10.1016/j.ocecoaman.2016.01.006).

68. Juigner, M.; Robin, M.; Debaine, F.; Hélen, F. A Generic Index to Assess the Building Exposure to Shoreline Retreat Using Box Segmentation: Case Study of the Pays de La Loire Sandy Coast (West of France). *Ocean and Coastal Management* **2017**, *148*, 40–52, doi:[10.1016/j.ocecoaman.2017.07.014](https://doi.org/10.1016/j.ocecoaman.2017.07.014).
69. Kane, H.H.; Fletcher, C.H.; Frazer, L.N.; Anderson, T.R.; Barbee, M.M. Modeling Sea-Level Rise Vulnerability of Coastal Environments Using Ranked Management Concerns. *Climatic Change* **2015**, *131*, 349–361, doi:[10.1007/s10584-015-1377-3](https://doi.org/10.1007/s10584-015-1377-3).
70. Karlsson, M.; van Oort, B.; Romstad, B. What We Have Lost and Cannot Become: Societal Outcomes of Coastal Erosion in Southern Belize. *Ecology and Society* **2015**, *20*, doi:[10.5751/ES-07050-200104](https://doi.org/10.5751/ES-07050-200104).
71. Kerguillec, R.; Audère, M.; Baltzer, A.; Debaine, F.; Fattal, P.; Juigner, M.; Launeau, P.; Le Mauff, B.; Luquet, F.; Maanan, M.; et al. Monitoring and Management of Coastal Hazards: Creation of a Regional Observatory of Coastal Erosion and Storm Surges in the Pays de La Loire Region (Atlantic Coast, France). *Ocean and Coastal Management* **2019**, *181*, doi:[10.1016/j.ocecoaman.2019.104904](https://doi.org/10.1016/j.ocecoaman.2019.104904).
72. Kunte, P.D.; Jauhari, N.; Mehrotra, U.; Kotha, M.; Hursthouse, A.S.; Gagnon, A.S. Multi-Hazards Coastal Vulnerability Assessment of Goa, India, Using Geospatial Techniques. *Ocean and Coastal Management* **2014**, *95*, 264–281, doi:[10.1016/j.ocecoaman.2014.04.024](https://doi.org/10.1016/j.ocecoaman.2014.04.024).
73. Lavers, T.; Charlesworth, S.M.; Lashford, C.; Warwick, F.; Fried, J. The Performance of Natural Flood Management at the Large Catchment-Scale: A Case Study in the Warwickshire Stour Valley. *Water (Switzerland)* **2022**, *14*, doi:[10.3390/w14233836](https://doi.org/10.3390/w14233836).
74. Le Duff, M.; Dumas, P.; Allenbach, M.; Cohen, O. An Orientation for Coastal Disaster Risks Management and Prevention Policy in a Global Warming Context: Case Study in Ouvea (New Caledonia). *Marine Policy* **2020**, *117*, 103393, doi:[10.1016/j.marpol.2018.12.012](https://doi.org/10.1016/j.marpol.2018.12.012).
75. Leatherman, S.P. Coastal Erosion and the United States National Flood Insurance Program. *Ocean and Coastal Management* **2018**, *156*, 35–42, doi:[10.1016/j.ocecoaman.2017.04.004](https://doi.org/10.1016/j.ocecoaman.2017.04.004).
76. Lemée, C.; Guillard, M.; Fleury-Bahi, G.; Krien, N.; Chadenas, C.; Chauveau, E.; Desse, M.; Coquet, M.; Lamarre, M.; Navarro, O. What Meaning Do Individuals Give to Coastal Risks? Contribution of the Social Representation Theory. *Marine Policy* **2019**, *108*, doi:[10.1016/j.marpol.2019.103629](https://doi.org/10.1016/j.marpol.2019.103629).
77. Li, X.; Zhou, Y.; Tian, B.; Kuang, R.; Wang, L. GIS-Based Methodology for Erosion Risk Assessment of the Muddy Coast in the Yangtze Delta. *Ocean and Coastal Management* **2015**, *108*, 97–108, doi:[10.1016/j.ocecoaman.2014.09.028](https://doi.org/10.1016/j.ocecoaman.2014.09.028).
78. Lins-de-Barros, F.M.; Muehe, D. The Smartline Approach to Coastal Vulnerability and Social Risk Assessment Applied to a Segment of the East Coast of Rio de Janeiro State, Brazil. *Journal of Coastal Conservation* **2013**, *17*, 211–223, doi:[10.1007/s11852-011-0175-y](https://doi.org/10.1007/s11852-011-0175-y).
79. Lodder, Q.; Slinger, J. The ‘Research for Policy’ Cycle in Dutch Coastal Flood Risk Management: The Coastal Genesis 2 Research Programme. *Ocean and Coastal Management* **2022**, *219*, doi:[10.1016/j.ocecoaman.2022.106066](https://doi.org/10.1016/j.ocecoaman.2022.106066).
80. Lodder, Q.J.; Slinger, J.H.; Wang, Z.B.; van der Spek, A.J.F.; Hijma, M.P.; Taal, M.; van Gelder-Maas, C.; de Looff, H.; Litjens, J.; Schipper, C.A.; et al. The Coastal Genesis 2 Research Programme: Outputs, Outcomes and Impact. *Ocean and Coastal Management* **2023**, *237*, doi:[10.1016/j.ocecoaman.2023.106499](https://doi.org/10.1016/j.ocecoaman.2023.106499).
81. Luo, S.; Wang, H.; Cai, F. An Integrated Risk Assessment of Coastal Erosion Based on Fuzzy Set Theory along Fujian Coast, Southeast China. *Ocean and Coastal Management* **2013**, *84*, 68–76, doi:[10.1016/j.ocecoaman.2013.07.007](https://doi.org/10.1016/j.ocecoaman.2013.07.007).
82. Mack, E.A.; Theuerkauf, E.; Bunting, E. Coastal Typology: An Analysis of the Spatiotemporal Relationship between Socioeconomic Development and Shoreline Change. *Land* **2020**, *9*, doi:[10.3390/land9070218](https://doi.org/10.3390/land9070218).
83. Mahamoud, A.; Mohamed, N.A.; Maher, G.; Montacer, M. Risk Assessment of Coastal Erosion Hazard of Ngazidja Island in Comoros Archipelago. In *Advances in Science, Technology and Innovation*; 2022; pp. 277–280.
84. Manes, S.; Gama-Maia, D.; Vaz, S.; Pires, A.P.F.; Tardin, R.H.; Maricato, G.; Bezerra, D.D.S.; Vale, M.M. Nature as a Solution for Shoreline Protection against Coastal Risks Associated with Ongoing Sea-Level Rise. *Ocean and Coastal Management* **2023**, *235*, doi:[10.1016/j.ocecoaman.2023.106487](https://doi.org/10.1016/j.ocecoaman.2023.106487).
85. McNamara, D.E.; Keeler, A. A Coupled Physical and Economic Model of the Response of Coastal Real Estate to Climate Risk. *Nature Climate Change* **2013**, *3*, 559–562, doi:[10.1038/nclimate1826](https://doi.org/10.1038/nclimate1826).
- 86.

- Merlotto, A.; Bértola, G.R.; Piccolo, M.C. Hazard, Vulnerability and Coastal Erosion Risk Assessment in Necochea Municipality, Buenos Aires Province, Argentina. *Journal of Coastal Conservation* **2016**, *20*, 351–362, doi:[10.1007/s11852-016-0447-7](https://doi.org/10.1007/s11852-016-0447-7).
- 87.
- Micallef, S.; Micallef, A.; Galdies, C. Application of the Coastal Hazard Wheel to Assess Erosion on the Maltese Coast. *Ocean and Coastal Management* **2018**, *156*, 209–222, doi:[10.1016/j.ocecoaman.2017.06.005](https://doi.org/10.1016/j.ocecoaman.2017.06.005).
- 88.
- Moore, R.; Davis, G. Cliff Instability and Erosion Management in England and Wales. *Journal of Coastal Conservation* **2015**, *19*, 771–784, doi:[10.1007/s11852-014-0359-3](https://doi.org/10.1007/s11852-014-0359-3).
- 89.
- Mukhopadhyay, A.; Hazra, S.; Mitra, D.; Hutton, C.; Chanda, A.; Mukherjee, S. Characterizing the Multi-Risk with Respect to Plausible Natural Hazards in the Balasore Coast, Odisha, India: A Multi-Criteria Analysis (MCA) Appraisal. *Natural Hazards* **2016**, *80*, 1495–1513, doi:[10.1007/s11069-015-2035-9](https://doi.org/10.1007/s11069-015-2035-9).
- 90.
- Munasinghe, T.N.; Warnasuriya, T.W.S. Spatiotemporal Behaviour of Shorelines Due to Natural and Anthropogenic Influences on the Dehiwala-Mt. Lavinia Beach, Sri Lanka: Insights towards Effective Application of Satellite-Derived Data and Geospatial Techniques. *Ocean and Coastal Management* **2023**, *242*, doi:[10.1016/j.ocecoaman.2023.106734](https://doi.org/10.1016/j.ocecoaman.2023.106734).
- 91.
- Narayan, S.; Simmonds, D.; Nicholls, R.J.; Clarke, D. A Bayesian Network Model for Assessments of Coastal Inundation Pathways and Probabilities. *Journal of Flood Risk Management* **2018**, *11*, S233–S250, doi:[10.1111/jfr3.12200](https://doi.org/10.1111/jfr3.12200).
- 92.
- Narra, P.; Coelho, C.; Sancho, F.; Palalane, J. CERA: An Open-Source Tool for Coastal Erosion Risk Assessment. *Ocean and Coastal Management* **2017**, *142*, 1–14, doi:[10.1016/j.ocecoaman.2017.03.013](https://doi.org/10.1016/j.ocecoaman.2017.03.013).
- 93.
- Narra, P.; Coelho, C.; Sancho, F.; Escudero, M.; Silva, R. Coastal Hazard Assessments for Sandy Coasts: Appraisal of Five Methodologies. *Journal of Coastal Research* **2019**, *35*, 574–589, doi:[10.2112/JCOASTRES-D-18-00083.1](https://doi.org/10.2112/JCOASTRES-D-18-00083.1).
- 94.
- Narra, P.; Coelho, C.; Sancho, F. Multicriteria GIS-Based Estimation of Coastal Erosion Risk: Implementation to Aveiro Sandy Coast, Portugal. *Ocean and Coastal Management* **2019**, *178*, doi:[10.1016/j.ocecoaman.2019.104845](https://doi.org/10.1016/j.ocecoaman.2019.104845).
- 95.
- Navas, F.; Malvárez, G.; Penning-Rowsell, E.C.; Parker, D.J. Spreading the Use of Economic Methods in Coastal Risk Management: A Simple but Insightful Calculator. *Journal of Coastal Research* **2020**, *95*, 1217–1222, doi:[10.2112/S195-236.1](https://doi.org/10.2112/S195-236.1).
- 96.
- Pereira, C.; Coelho, C. Mapping Erosion Risk under Different Scenarios of Climate Change for Aveiro Coast, Portugal. *Natural Hazards* **2013**, *69*, 1033–1050, doi:[10.1007/s11069-013-0748-1](https://doi.org/10.1007/s11069-013-0748-1).
- 97.
- Pereira, O.N.A.; Bastos, M.R.; Ferreira, J.C.; Dias, J.A. Is the Sea the Enemy? Occupation and Anthropogenic Impacts at Costa Da Caparica (Portugal). *Water (Switzerland)* **2022**, *14*, doi:[10.3390/w14182886](https://doi.org/10.3390/w14182886).
- 98.
- Pham, H.V.; Dal Barco, M.K.; Cadau, M.; Harris, R.; Furlan, E.; Torresan, S.; Rubineti, S.; Zanchettin, D.; Rubino, A.; Kuznetsov, I.; et al. Multi-Model Chain for Climate Change Scenario Analysis to Support Coastal Erosion and Water Quality Risk Management for the Metropolitan City of Venice. *Science of the Total Environment* **2023**, *904*, doi:[10.1016/j.scitotenv.2023.166310](https://doi.org/10.1016/j.scitotenv.2023.166310).
- 99.
- Ramm, T.D.; Watson, C.S.; White, C.J. Describing Adaptation Tipping Points in Coastal Flood Risk Management. *Computers, Environment and Urban Systems* **2018**, *69*, 74–86, doi:[10.1016/j.compenvurbsys.2018.01.002](https://doi.org/10.1016/j.compenvurbsys.2018.01.002).
- 100.
- Rangel-Buitrago, N.; Neal, W.J.; de Jonge, V.N. Risk Assessment as Tool for Coastal Erosion Management. *Ocean and Coastal Management* **2020**, *186*, doi:[10.1016/j.ocecoaman.2020.105099](https://doi.org/10.1016/j.ocecoaman.2020.105099).
- 101.
- Reguero, B.G.; Beck, M.W.; Agostini, V.N.; Kramer, P.; Hancock, B. Coral Reefs for Coastal Protection: A New Methodological Approach and Engineering Case Study in Grenada. *Journal of Environmental Management* **2018**, *210*, 146–161, doi:[10.1016/j.jenvman.2018.01.024](https://doi.org/10.1016/j.jenvman.2018.01.024).
- 102.
- Roca, E.; Julià-Verdaguer, A.; Villares, M.; Rosas-Casals, M. Applying Network Analysis to Assess Coastal Risk Planning. *Ocean and Coastal Management* **2018**, *162*, 127–136, doi:[10.1016/j.ocecoaman.2018.02.001](https://doi.org/10.1016/j.ocecoaman.2018.02.001).
- 103.
- Sahin, O.; Stewart, R.A.; Faivre, G.; Ware, D.; Tomlinson, R.; Mackey, B. Spatial Bayesian Network for Predicting Sea Level Rise Induced Coastal Erosion in a Small Pacific Island. *Journal of Environmental Management* **2019**, *238*, 341–351, doi:[10.1016/j.jenvman.2019.03.008](https://doi.org/10.1016/j.jenvman.2019.03.008).
- 104.
- Sanuy, M.; Jiménez, J.A. Sensitivity of Storm-Induced Hazards in a Highly Curvilinear Coastline to Changing Storm Directions. The Tordera Delta Case (NW Mediterranean). *Water (Switzerland)* **2019**, *11*, doi:[10.3390/w11040747](https://doi.org/10.3390/w11040747).
- 105.
- Sanuy, M.; Jiménez, J.A.; Plant, N. A Bayesian Network Methodology for Coastal Hazard Assessments on a Regional Scale: The BN-CRAF. *Coastal Engineering* **2020**, *157*, doi:[10.1016/j.coastaleng.2019.103627](https://doi.org/10.1016/j.coastaleng.2019.103627).

106.

Sapkale, J.B.; Mane, M.M.; Susware, N.K.; Sapkale, S.J. Dynamic Changes in Coastal Geomorphology of Shiroda Coasts, Using Remote Sensing and GIS: An Approach to Climate Change and Coastal Disaster Risk. *Disaster Advances* **2023**, *16*, 20–32, doi:[10.25303/1612da020032](https://doi.org/10.25303/1612da020032).

107.

Shearman, P.; Bryan, J.; Walsh, J.P. Trends in Deltaic Change over Three Decades in the Asia-Pacific Region. *Journal of Coastal Research* **2013**, *29*, 1169–1183, doi:[10.2112/JCOASTRES-D-12-00120.1](https://doi.org/10.2112/JCOASTRES-D-12-00120.1).

108.

Stanchev, H.; Young, R.; Stancheva, M. Integrating GIS and High Resolution Orthophoto Images for the Development of a Geomorphic Shoreline Classification and Risk Assessment—a Case Study of Cliff/Bluff Erosion along the Bulgarian Coast. *Journal of Coastal Conservation* **2013**, *17*, 719–728, doi:[10.1007/s11852-013-0271-2](https://doi.org/10.1007/s11852-013-0271-2).

109.

Stéphan, P.; Suanez, S.; Fichaut, B.; Autret, R.; Blaise, E.; Houron, J.; Ammann, J.; Granjean, P. Monitoring the Medium-Term Retreat of a Gravel Spit Barrier and Management Strategies, Sillon de Talbert (North Brittany, France). *Ocean and Coastal Management* **2018**, *158*, 64–82, doi:[10.1016/j.ocecoaman.2018.03.030](https://doi.org/10.1016/j.ocecoaman.2018.03.030).

110.

Sutton-Grier, A.E.; Gittman, R.K.; Arkema, K.K.; Bennett, R.O.; Benoit, J.; Blich, S.; Burks-Copes, K.A.; Colden, A.; Dausman, A.; DeAngelis, B.M.; et al. Investing in Natural and Nature-Based Infrastructure: Building Better along Our Coasts. *Sustainability (Switzerland)* **2018**, *10*, doi:[10.3390/su10020523](https://doi.org/10.3390/su10020523).

111.

Takagi, H.; Esteban, M.; Tam, T.T. Coastal Vulnerabilities in a Fast-Growing Vietnamese City. In *Coastal Disasters and Climate Change in Vietnam: Engineering and Planning Perspectives*; 2014; pp. 157–171.

112.

Tang, C.; Li, Y.; Liu, X.; Zhao, Y.; Zhang, H. Risk of Surface Sediment Erosion in the Bohai Sea, North Yellow Sea and Its Indication to Tidal Sand Ridge Occurrence. *Journal of Coastal Research* **2016**, *2016-Spring*, 126–135, doi:[10.2112/SJ74-012.1](https://doi.org/10.2112/SJ74-012.1).

113.

Tătui, F.; Pîrvan, M.; Popa, M.; Aydoğan, B.; Ayat, B.; Görmüş, T.; Korzinin, D.; Văidianu, N.; Vespremeanu-Stroe, A.; Zăinescu, F.; et al. The Black Sea Coastline Erosion: Index-Based Sensitivity Assessment and Management-Related Issues. *Ocean and Coastal Management* **2019**, *182*, doi:[10.1016/j.ocecoaman.2019.104949](https://doi.org/10.1016/j.ocecoaman.2019.104949).

114.

Torresan, S.; Critto, A.; Rizzi, J.; Zabeo, A.; Furlan, E.; Marcomini, A. DESYCO: A Decision Support System for the Regional Risk Assessment of Climate Change Impacts in Coastal Zones. *Ocean and Coastal Management* **2016**, *120*, 49–63, doi:[10.1016/j.ocecoaman.2015.11.003](https://doi.org/10.1016/j.ocecoaman.2015.11.003).

115.

Torresan, S.; Gallina, V.; Gualdi, S.; Bellafiore, D.; Umgiesser, G.; Carniel, S.; Sclavo, M.; Benetazzo, A.; Giubilato, E.; Critto, A. Assessment of Climate Change Impacts in the North Adriatic Coastal Area. Part I: A Multi-Model Chain for the Definition of Climate Change Hazard Scenarios. *Water (Switzerland)* **2019**, *11*, doi:[10.3390/w11061157](https://doi.org/10.3390/w11061157).

116.

Vikolainen, V.; Flikweert, J.; Bressers, H.; Lulofs, K. Governance Context for Coastal Innovations in England: The Case of Sandscaping in North Norfolk. *Ocean and Coastal Management* **2017**, *145*, 82–93, doi:[10.1016/j.ocecoaman.2017.05.012](https://doi.org/10.1016/j.ocecoaman.2017.05.012).

117.

Villarroel-Lamb, D. Quantitative Risk Assessment of Coastal Erosion in the Caribbean Region. *Natural Hazards Review* **2020**, *21*, doi:[10.1061/\(ASCE\)NH.1527-6996.0000388](https://doi.org/10.1061/(ASCE)NH.1527-6996.0000388).

118.

Zambrano-Medina, Y.; Franco-Ochoa, C.; Plata-Rocha, W.; García-Páez, F.; Montoya-Rodríguez, M.; Mendoza-Baldwin, E. Shoreline Analysis and Erosion Risk Assessment of a Coastal Strip Subjected to High Anthropogenic Pressure. *Tecnología y Ciencias del Agua* **2022**, *13*, 249–300, doi:[10.24850/j-tyca-13-06-06](https://doi.org/10.24850/j-tyca-13-06-06).

119.

Zhang, D.; Liu, X.; Tan, M.; Qian, P.; Si, Y. Flow Field Impact Assessment of a Tidal Farm in the Putuo-Hulu Channel. *Ocean Engineering* **2020**, *208*, doi:[10.1016/j.oceaneng.2020.107359](https://doi.org/10.1016/j.oceaneng.2020.107359).

120.

Buy-in for Buyouts: The Case for Managed Retreats: The Lincoln Institute. *Renewable Resources Journal* **2017**, *31*, 22–31.

## Appendix 4

1.

Bhattacharya, R.K.; Das Chatterjee, N.; Das, K. Multi-Criteria-Based Sub-Basin Prioritization and Its Risk Assessment of Erosion Susceptibility in Kansai-Kumari Catchment Area, India. *Applied Water Science* **2019**, *9*, doi:[10.1007/s13201-019-0954-4](https://doi.org/10.1007/s13201-019-0954-4).

2.

Boufala, M.; El Hmaidf, A.; Chadli, K.; Essahlaoui, A.; El Ouali, A.; Lahjouj, A. Assessment of the Risk of Soil Erosion Using RUSLE Method and SWAT Model at the M'dez Watershed, Middle Atlas, Morocco.; 2020; Vol. 150.

3.

Domingo, J.P.T.; Ngwenya, B.T.; Attal, M.; David, C.P.C.; Mudd, S.M. Geochemical Fingerprinting to Determine Sediment Source Contribution and Improve Contamination Assessment in Mining-Impacted Floodplains in the Philippines. *Applied Geochemistry* **2023**, *159*, doi:[10.1016/j.apgeochem.2023.105808](https://doi.org/10.1016/j.apgeochem.2023.105808).

4. Du, H.; Dou, S.; Deng, X.; Xue, X.; Wang, T. Assessment of Wind and Water Erosion Risk in the Watershed of the Ningxia- Inner Mongolia Reach of the Yellow River, China. *Ecological Indicators* **2016**, *67*, 117–131, doi:[10.1016/j.ecolind.2016.02.042](https://doi.org/10.1016/j.ecolind.2016.02.042).
5. Faseyi, C.A.; Miyittah, M.K.; Sowunmi, A.A.; Yafetto, L. Water Quality and Health Risk Assessments of Illegal Gold Mining- Impacted Estuaries in Ghana. *Marine Pollution Bulletin* **2022**, *185*, doi:[10.1016/j.marpolbul.2022.114277](https://doi.org/10.1016/j.marpolbul.2022.114277).
6. Kumar, R.; Acharya, P. Flood Hazard and Risk Assessment of 2014 Floods in Kashmir Valley: A Space-Based Multisensor Approach. *Natural Hazards* **2016**, *84*, 437–464, doi:[10.1007/s11069-016-2428-4](https://doi.org/10.1007/s11069-016-2428-4).
7. Legese, G.; Van Assche, K.; Stelmacher, T.; Tekleworld, H.; Kelboro, G. Land for Food or Power? Risk Governance of Dams and Family Farms in Southwest Ethiopia. *Land Use Policy* **2018**, *75*, 50–59, doi:[10.1016/j.landusepol.2018.03.027](https://doi.org/10.1016/j.landusepol.2018.03.027).
8. Li, W.-J.; Yu, S.-Y.; Pan, J.; Cao, X.; Chen, Y.; Wang, Y. A 2000-Year Documentary Record of Levee Breaches on the Lower Yellow River and Their Relationship with Climate Changes and Human Activities. *Holocene* **2021**, *31*, 333–345, doi:[10.1177/0959683620972764](https://doi.org/10.1177/0959683620972764).
9. Rossi, L.; Chèvre, N.; Fankhauser, R.; Margot, J.; Curdy, R.; Babut, M.; Barry, D.A. Sediment Contamination Assessment in Urban Areas Based on Total Suspended Solids. *Water Research* **2013**, *47*, 339–350, doi:[10.1016/j.watres.2012.10.011](https://doi.org/10.1016/j.watres.2012.10.011).
10. Terêncio, D.P.S.; Cortes, R.M.V.; Pacheco, F.A.L.; Moura, J.P.; Fernandes, L.F.S. A Method for Estimating the Risk of Dam Reservoir Silting in Fire-Prone Watersheds: A Study in Douro River, Portugal. *Water (Switzerland)* **2020**, *12*, doi:[10.3390/w12112959](https://doi.org/10.3390/w12112959).
11. Wu, X.; Feng, X.; Fu, B.; Yin, S.; He, C. Managing Erosion and Deposition to Stabilize a Silt-Laden River. *Science of the Total Environment* **2023**, *881*, doi:[10.1016/j.scitotenv.2023.163444](https://doi.org/10.1016/j.scitotenv.2023.163444).
12. Zhu, L.; Liu, J.; Xu, S.; Xie, Z. Deposition Behavior, Risk Assessment and Source Identification of Heavy Metals in Reservoir Sediments of Northeast China. *Ecotoxicology and Environmental Safety* **2017**, *142*, 454–463, doi:[10.1016/j.ecoenv.2017.04.039](https://doi.org/10.1016/j.ecoenv.2017.04.039).

## Appendix 5

1. An-Vo, D.-A.; Mushtaq, S.; Zheng, B.; Christopher, J.T.; Chapman, S.C.; Chenu, K. Direct and Indirect Costs of Frost in the Australian Wheatbelt. *Ecological Economics* **2018**, *150*, 122–136, doi:[10.1016/j.ecolecon.2018.04.008](https://doi.org/10.1016/j.ecolecon.2018.04.008).
2. Asseng, S.; Travasso, M.I.; Ludwig, F.; Magrin, G.O. Has Climate Change Opened New Opportunities for Wheat Cropping in Argentina? *Climatic Change* **2013**, *117*, 181–196, doi:[10.1007/s10584-012-0553-y](https://doi.org/10.1007/s10584-012-0553-y).
3. Barriere, V.; Lecompte, F.; Lescourret, F. Efficacy of Pest and Pathogen Control, Yield and Quality of Winter Lettuce Crops Managed with Reduced Pesticide Applications. *European Journal of Agronomy* **2015**, *71*, 34–43, doi:[10.1016/j.eja.2015.07.003](https://doi.org/10.1016/j.eja.2015.07.003).
4. Beech, N.; Hewer, M.J. A Climate Change Impact Assessment (Ccia) of Key Indicators and Critical Thresholds for Viticulture and Oenology in the Fraser Valley, British Columbia, Canada. *Weather, Climate, and Society* **2021**, *13*, 687–705, doi:[10.1175/WCAS-D-20-0145.1](https://doi.org/10.1175/WCAS-D-20-0145.1).
5. Bergjord Olsen, A.K.; Persson, T.; de Wit, A.; Nkurunziza, L.; Sindhøj, E.; Eckersten, H. Estimating Winter Survival of Winter Wheat by Simulations of Plant Frost Tolerance. *Journal of Agronomy and Crop Science* **2018**, *204*, 62–73, doi:[10.1111/jac.12238](https://doi.org/10.1111/jac.12238).
6. Booth, T.H.; Jovanovic, T.; Arnold, R.J. Planting Domains under Climate Change for Eucalyptus Pellita and Eucalyptus Urograndis in Parts of China and South East Asia. *Australian Forestry* **2017**, *80*, 1–9, doi:[10.1080/00049158.2016.1275101](https://doi.org/10.1080/00049158.2016.1275101).
7. Bracho-Mujica, G.; Hayman, P.T.; Ostendorf, B. Modelling Long-Term Risk Profiles of Wheat Grain Yield with Limited Climate Data. *Agricultural Systems* **2019**, *173*, 393–402, doi:[10.1016/j.agsy.2019.03.010](https://doi.org/10.1016/j.agsy.2019.03.010).
8. Brázdil, R.; Chromá, K.; Zahradníček, P.; Dobrovolný, P.; Dolák, L.; Řehoř, J.; Řezníčková, L. Changes in Weather-Related Fatalities in the Czech Republic during the 1961–2020 Period. *Atmosphere* **2022**, *13*, doi:[10.3390/atmos13050688](https://doi.org/10.3390/atmos13050688).
9. Chatrabgoun, O.; Karimi, R.; Daneshkhah, A.; Abolfathi, S.; Nouri, H.; Esmailbeigi, M. Copula-Based Probabilistic Assessment of Intensity and Duration of Cold Episodes: A Case Study of Malayer Vineyard Region. *Agricultural and Forest Meteorology* **2020**, *295*, doi:[10.1016/j.agrformet.2020.108150](https://doi.org/10.1016/j.agrformet.2020.108150).
10. Chauhan, Y.S.; Anwar, M.R.; Richards, M.F.; Lake, L.; Sadras, V.O.; Luckett, D.J.; Raman, R.; Krosch, S.; Graham, N. Effect of Soil Water on Flowering and Pod-Set in Chickpea: Implications for Modelling and Managing Frost and Heat Stress. *Agronomy for Sustainable Development* **2023**, *43*, doi:[10.1007/s13593-023-00903-x](https://doi.org/10.1007/s13593-023-00903-x).
- 11.

- Conlong, D.E.; Webster, T.; Wilkinson, D. Ten Years of Area-Wide Integrated Pest Management with a Push-Pull Component against Eldana Saccharina (Lepidoptera: Pyralidae) in Sugarcane in the Midlands North Region of Kwazulu-Natal.; 2016; Vol. 118.
12.  
Deihimfard, R.; Rahimi-Moghaddam, S.; Chenu, K. Risk Assessment of Frost Damage to Sugar Beet Simulated under Cold and Semi-Arid Environments. *International Journal of Biometeorology* **2019**, *63*, 511–521, doi:[10.1007/s00484-019-01682-5](https://doi.org/10.1007/s00484-019-01682-5).
13.  
Deléglise, C.; François, H.; Dodier, H.; Crouzat, E.; Samacoits, R.; Morin, S.; Bray, F.; Nettier, B. Agro-Climatic Profiles of Summer Mountain Pastures in the French Alps: Towards a Monitoring Tool to Contribute to Climate Risk Assessment. *Agronomy for Sustainable Development* **2022**, *42*, doi:[10.1007/s13593-022-00776-6](https://doi.org/10.1007/s13593-022-00776-6).
14.  
Dendir, Z.; Simane, B. Farmers' Perceptions about Changes in Climate Variables: Perceived Risks and Household Responses in Different Agro-Ecological Communities, Southern Ethiopia. *Climate Services* **2021**, *22*, doi:[10.1016/j.cliser.2021.100236](https://doi.org/10.1016/j.cliser.2021.100236).
15.  
Dobbs, A.M.; Reberg-Horton, S.C.; Snyder, L.U.; Leon, R.G. Assessing Weediness Potential of Brassica Carinata (A.) Braun in the Southeastern United States. *Industrial Crops and Products* **2022**, *188*, doi:[10.1016/j.indcrop.2022.115611](https://doi.org/10.1016/j.indcrop.2022.115611).
16.  
Fadda, L.A.; Murúa, M.G.; Casmuz, A.S.; Vera, M.A.; Lira-Noriega, A. Potential Distribution of Melanagromyza Sojae in South America and Current Situation in Argentina. *Entomologia Experimentalis et Applicata* **2023**, *171*, 621–636, doi:[10.1111/eea.13302](https://doi.org/10.1111/eea.13302).
17.  
Fletcher, A.L.; Robertson, M.J.; Abrecht, D.G.; Sharma, D.L.; Holzworth, D.P. Dry Sowing Increases Farm Level Wheat Yields but Not Production Risks in a Mediterranean Environment. *Agricultural Systems* **2015**, *136*, 114–124, doi:[10.1016/j.agsy.2015.03.004](https://doi.org/10.1016/j.agsy.2015.03.004).
18.  
Gavrilescu, C.; Richard, Y.; Joly, D.; Bois, B. Climate Zoning of the Burgundy Winegrowing Region.; 2018; Vol. 50.
19.  
Ge, Q.; Wang, H.; Dai, J. Shifts in Spring Phenophases, Frost Events and Frost Risk for Woody Plants in Temperate China. *Climate Research* **2013**, *57*, 249–258, doi:[10.3354/cr01182](https://doi.org/10.3354/cr01182).
20.  
Gobbett, D.L.; Nidumolu, U.; Crimp, S. Modelling Frost Generates Insights for Managing Risk of Minimum Temperature Extremes. *Weather and Climate Extremes* **2020**, *27*, doi:[10.1016/j.wace.2018.06.003](https://doi.org/10.1016/j.wace.2018.06.003).
21.  
Gobin, A. Weather Related Risks in Belgian Arable Agriculture. *Agricultural Systems* **2018**, *159*, 225–236, doi:[10.1016/j.agsy.2017.06.009](https://doi.org/10.1016/j.agsy.2017.06.009).
22.  
Guilbert, D.; Caluwaerts, S.; Calle, K.; Van Den Bossche, N.; Cnudde, V.; De Kock, T. Impact of the Urban Heat Island on Freeze-Thaw Risk of Natural Stone in the Built Environment, a Case Study in Ghent, Belgium. *Science of the Total Environment* **2019**, *677*, 9–18, doi:[10.1016/j.scitotenv.2019.04.344](https://doi.org/10.1016/j.scitotenv.2019.04.344).
23.  
Guillaume, C.; Isabelle, C.; Marc, B.; Thierry, A. Assessing Frost Damages Using Dynamic Models in Walnut Trees: Exposure Rather than Vulnerability Controls Frost Risks. *Plant Cell and Environment* **2018**, *41*, 1008–1021, doi:[10.1111/pce.12935](https://doi.org/10.1111/pce.12935).
24.  
Guo, L.; Wang, J.; Li, M.; Liu, L.; Xu, J.; Cheng, J.; Gang, C.; Yu, Q.; Chen, J.; Peng, C.; et al. Distribution Margins as Natural Laboratories to Infer Species' Flowering Responses to Climate Warming and Implications for Frost Risk. *Agricultural and Forest Meteorology* **2019**, *268*, 299–307, doi:[10.1016/j.agrformet.2019.01.038](https://doi.org/10.1016/j.agrformet.2019.01.038).
25.  
Hoffmann, H.; Rath, T. Future Bloom and Blossom Frost Risk for Malus Domestica Considering Climate Model and Impact Model Uncertainties. *PLoS ONE* **2013**, *8*, doi:[10.1371/journal.pone.0075033](https://doi.org/10.1371/journal.pone.0075033).
26.  
Hosseini, R.; Takemura, A.; Hosseini, A. Non-Linear Time-Varying Stochastic Models for Agroclimate Risk Assessment. *Environmental and Ecological Statistics* **2015**, *22*, 227–246, doi:[10.1007/s10651-014-0295-2](https://doi.org/10.1007/s10651-014-0295-2).
27.  
Ivanov, K.S. Use of Granulated Foam Glass Ceramics to Protect Heaving Soil from Seasonal Freezing. *Soil Mechanics and Foundation Engineering* **2020**, *57*, 92–96, doi:[10.1007/s11204-020-09642-7](https://doi.org/10.1007/s11204-020-09642-7).
28.  
Jönsson, A.M.; Lagergren, F. Potential Use of Seasonal Forecasts for Operational Planning of North European Forest Management. *Agricultural and Forest Meteorology* **2017**, *244–245*, 122–135, doi:[10.1016/j.agrformet.2017.06.001](https://doi.org/10.1016/j.agrformet.2017.06.001).
29.  
Kim, Y.; Park, C.; Koo, K.A.; Lee, M.K.; Lee, D.K. Evaluating Multiple Bioclimatic Risks Using Bayesian Belief Network to Support Urban Tree Management under Climate Change. *Urban Forestry and Urban Greening* **2019**, *43*, doi:[10.1016/j.ufug.2019.05.016](https://doi.org/10.1016/j.ufug.2019.05.016).
30.  
Kotikot, S.M.; Onywere, S.M. Application of GIS and Remote Sensing Techniques in Frost Risk Mapping for Mitigating Agricultural Losses in the Aberdare Ecosystem, Kenya. *Geocarto International* **2015**, *30*, 104–121, doi:[10.1080/10106049.2014.965758](https://doi.org/10.1080/10106049.2014.965758).

31. Ladinig, U.; Hacker, J.; Neuner, G.; Wagner, J. How Endangered Is Sexual Reproduction of High-Mountain Plants by Summer Frosts? Frost Resistance, Frequency of Frost Events and Risk Assessment. *Oecologia* **2013**, *171*, 743–760, doi:[10.1007/s00442-012-2581-8](https://doi.org/10.1007/s00442-012-2581-8).
32. Lhotka, O.; Brönnimann, S. Possible Increase of Vegetation Exposure to Spring Frost under Climate Change in Switzerland. *Atmosphere* **2020**, *11*, doi:[10.3390/ATMOS11040391](https://doi.org/10.3390/ATMOS11040391).
33. Li, H.; Xi, W.; Zhang, L.; Zang, S. Snow-Disaster Risk Zoning and Assessment in Heilongjiang Province. *Sustainability (Switzerland)* **2021**, *13*, doi:[10.3390/su132414010](https://doi.org/10.3390/su132414010).
34. Li, H.; Zhang, T.; Zhang, J.; Guan, B.; Liu, X.; Nakazawa, T.; Fang, L.; Tanaka, T. Investigation of Energy Recovery Performance and Frost Risk of Membrane Enthalpy Exchanger Applied in Cold Climates. *Energy* **2023**, *282*, doi:[10.1016/j.energy.2023.128894](https://doi.org/10.1016/j.energy.2023.128894).
35. Li, S.; Wang, Z.; Huang, J. Evaluation of Tea Frost Risk in Zhejiang Province Based on GIS.; 2018.
36. Liu, Y.R.; Li, Y.P.; Yang, X.; Huang, G.H.; Li, Y.F. Development of an Integrated Multivariate Trend-Frequency Analysis Method: Spatial-Temporal Characteristics of Climate Extremes under Global Warming for Central Asia. *Environmental Research* **2021**, *195*, doi:[10.1016/j.envres.2021.110859](https://doi.org/10.1016/j.envres.2021.110859).
37. Lou, W.; Zhao, Y.; Huang, X.; Zhu, T.; Yang, M.; Deng, S.; Zhou, Z.; Zhang, Y.; Sun, Q.; Chen, S. Frost Risk Assessment Based on the Frost-Induced Injury Rate of Tea Buds: A Case Study of the Yuezhou Longjing Tea Production Area, China. *European Journal of Agronomy* **2023**, *147*, doi:[10.1016/j.eja.2023.126839](https://doi.org/10.1016/j.eja.2023.126839).
38. Lundberg, A.; Ala-Aho, P.; Eklo, O.; Klöve, B.; Kværner, J.; Stumpp, C. Snow and Frost: Implications for Spatiotemporal Infiltration Patterns - a Review. *Hydrological Processes* **2016**, *30*, 1230–1250, doi:[10.1002/hyp.10703](https://doi.org/10.1002/hyp.10703).
39. Ma, Q.; Huang, J.-G.; Hänninen, H.; Berninger, F. Divergent Trends in the Risk of Spring Frost Damage to Trees in Europe with Recent Warming. *Global Change Biology* **2019**, *25*, 351–360, doi:[10.1111/gcb.14479](https://doi.org/10.1111/gcb.14479).
40. Mandic, M.V.; Vimic, A.V.; RankovicVasic, Z.; Đurovic, D.; COsic, M.; Sotonica, D.; Nikolic, D.; Đurdevic, V. Observed Changes in Climate Conditions and Weather-Related Risks in Fruit and Grape Production in Serbia. *Atmosphere* **2022**, *13*, doi:[10.3390/atmos13060948](https://doi.org/10.3390/atmos13060948).
41. Marcante, S.; Erschbamer, B.; Buchner, O.; Neuner, G. Heat Tolerance of Early Developmental Stages of Glacier Foreland Species in the Growth Chamber and in the Field. *Plant Ecology* **2014**, *215*, 747–758, doi:[10.1007/s11258-014-0361-8](https://doi.org/10.1007/s11258-014-0361-8).
42. Masaki, Y. Future Risk of Frost on Apple Trees in Japan. *Climatic Change* **2020**, *159*, 407–422, doi:[10.1007/s10584-019-02610-7](https://doi.org/10.1007/s10584-019-02610-7).
43. Mays, D.; Long, L.; Alalwan, M.A.; Wagener, T.L.; Shang, C.; Roberts, M.E.; Patterson, J.G.; Keller-Hamilton, B. The Effects of Oral Nicotine Pouch Packaging Features on Adult Tobacco Users' and Non-Users' Product Perceptions. *International Journal of Environmental Research and Public Health* **2023**, *20*, doi:[10.3390/ijerph20043383](https://doi.org/10.3390/ijerph20043383).
44. Meldrum, G.; Mijatović, D.; Rojas, W.; Flores, J.; Pinto, M.; Mamani, G.; Condori, E.; Hilaquita, D.; Gruberg, H.; Padulosi, S. Climate Change and Crop Diversity: Farmers' Perceptions and Adaptation on the Bolivian Altiplano. *Environment, Development and Sustainability* **2018**, *20*, 703–730, doi:[10.1007/s10668-016-9906-4](https://doi.org/10.1007/s10668-016-9906-4).
45. Moeletsi, M.E.; Moopisa, S.G.; Walker, S.; Tsubo, M. Development of an Agroclimatological Risk Tool for Dryland Maize Production in the Free State Province of South Africa. *Computers and Electronics in Agriculture* **2013**, *95*, 108–121, doi:[10.1016/j.compag.2013.04.006](https://doi.org/10.1016/j.compag.2013.04.006).
46. Peng, Y.; Roell, Y.E.; Bjørn Møller, A.; Adhikari, K.; Beucher, A.; Greve, M.B.; Greve, M.H. Identifying and Mapping Terrons in Denmark. *Geoderma* **2020**, *363*, doi:[10.1016/j.geoderma.2020.114174](https://doi.org/10.1016/j.geoderma.2020.114174).
47. Perondi, D.; Fraisse, C.W.; Staub, C.G.; Cerbaro, V.A.; Barreto, D.D.; Pequeno, D.N.L.; Mulvaney, M.J.; Troy, P.; Pavan, W. Crop Season Planning Tool: Adjusting Sowing Decisions to Reduce the Risk of Extreme Weather Events. *Computers and Electronics in Agriculture* **2019**, *156*, 62–70, doi:[10.1016/j.compag.2018.11.013](https://doi.org/10.1016/j.compag.2018.11.013).
48. Pulatov, B.; Linderson, M.-L.; Hall, K.; Jönsson, A.M. Modeling Climate Change Impact on Potato Crop Phenology, and Risk of Frost Damage and Heat Stress in Northern Europe. *Agricultural and Forest Meteorology* **2015**, *214–215*, 281–292, doi:[10.1016/j.agrformet.2015.08.266](https://doi.org/10.1016/j.agrformet.2015.08.266).
49. Qi, X.; Vitousek, P.M.; Liu, L. Provincial Food Security in China: A Quantitative Risk Assessment Based on Local Food Supply and Demand Trends. *Food Security* **2015**, *7*, 621–632, doi:[10.1007/s12571-015-0458-5](https://doi.org/10.1007/s12571-015-0458-5).
- 50.

- Rak, J.R.; Wartalska, K.; Kaźmierczak, B. Weather Risk Assessment for Collective Water Supply and Sewerage Systems. *Water (Switzerland)* **2021**, *13*, doi:[10.3390/w13141970](https://doi.org/10.3390/w13141970).
51.  
Reinsdorf, E.; Koch, H.-J. Modeling Crown Temperature of Winter Sugar Beet and Its Application in Risk Assessment for Frost Killing in Central Europe. *Agricultural and Forest Meteorology* **2013**, *182–183*, 21–30, doi:[10.1016/j.agrformet.2013.08.001](https://doi.org/10.1016/j.agrformet.2013.08.001).
52.  
Ruba, J.; Mieziute, O.; Baltmanis, R.; Luguza, S. Abiotic Risks of Managing Young Forest Stands of Norway Spruce (*Picea Abies* (L.) Karst.). *Research for Rural Development* **2013**, *2*, 27–33.
53.  
Saad, C.; Boulanger, Y.; Beaudet, M.; Gachon, P.; Ruel, J.-C.; Gauthier, S. Potential Impact of Climate Change on the Risk of Windthrow in Eastern Canada's Forests. *Climatic Change* **2017**, *143*, 487–501, doi:[10.1007/s10584-017-1995-z](https://doi.org/10.1007/s10584-017-1995-z).
54.  
Saad, C.; El Adlouni, S.; St-Hilaire, A.; Gachon, P. A Nested Multivariate Copula Approach to Hydrometeorological Simulations of Spring Floods: The Case of the Richelieu River (Québec, Canada) Record Flood. *Stochastic Environmental Research and Risk Assessment* **2015**, *29*, 275–294, doi:[10.1007/s00477-014-0971-7](https://doi.org/10.1007/s00477-014-0971-7).
55.  
Schierhorn, F.; Hofmann, M.; Gagalyuk, T.; Ostapchuk, I.; Müller, D. Machine Learning Reveals Complex Effects of Climatic Means and Weather Extremes on Wheat Yields during Different Plant Developmental Stages. *Climatic Change* **2021**, *169*, doi:[10.1007/s10584-021-03272-0](https://doi.org/10.1007/s10584-021-03272-0).
56.  
Selvanathan, S.; Sreetharan, M.; Rand, K.; Smirnov, D.; Choi, J.; Mampara, M. Developing Peak Discharges for Future Flood Risk Studies Using IPCC's CMIP5 Climate Model Results and USGS WREG Program. *Journal of the American Water Resources Association* **2016**, *52*, 979–992, doi:[10.1111/1752-1688.12407](https://doi.org/10.1111/1752-1688.12407).
57.  
Sgubin, G.; Swingedouw, D.; Dayon, G.; García de Cortázar-Atauri, I.; Ollat, N.; Pagé, C.; van Leeuwen, C. The Risk of Tardive Frost Damage in French Vineyards in a Changing Climate. *Agricultural and Forest Meteorology* **2018**, *250–251*, 226–242, doi:[10.1016/j.agrformet.2017.12.253](https://doi.org/10.1016/j.agrformet.2017.12.253).
58.  
Svystun, T.; Lundströmer, J.; Berlin, M.; Westin, J.; Jönsson, A.M. Model Analysis of Temperature Impact on the Norway Spruce Provenance Specific Bud Burst and Associated Risk of Frost Damage. *Forest Ecology and Management* **2021**, *493*, doi:[10.1016/j.foreco.2021.119252](https://doi.org/10.1016/j.foreco.2021.119252).
59.  
Talchabhadel, R.; Karki, R. Assessing Climate Boundary Shifting under Climate Change Scenarios across Nepal. *Environmental Monitoring and Assessment* **2019**, *191*, doi:[10.1007/s10661-019-7644-4](https://doi.org/10.1007/s10661-019-7644-4).
60.  
Tonta, K.E.; Boyes, M.; Howell, J.; McEvoy, P.; Hasking, P. Measurement Invariance of Perfectionism Measures in Students with and without a History of Non-Suicidal Self-Injury. *International Journal of Environmental Research and Public Health* **2021**, *18*, doi:[10.3390/ijerph181910171](https://doi.org/10.3390/ijerph181910171).
61.  
Tudela, V.; Sarricolea, P.; Serrano-Notivol, R.; Meseguer-Ruiz, O. A Pilot Study for Climate Risk Assessment in Agriculture: A Climate-Based Index for Cherry Trees. *Natural Hazards* **2023**, *115*, 163–185, doi:[10.1007/s11069-022-05549-8](https://doi.org/10.1007/s11069-022-05549-8).
62.  
Vitasse, Y.; Rebetez, M. Unprecedented Risk of Spring Frost Damage in Switzerland and Germany in 2017. *Climatic Change* **2018**, *149*, 233–246, doi:[10.1007/s10584-018-2234-y](https://doi.org/10.1007/s10584-018-2234-y).
63.  
Volz, E.M.; Frost, S.D.W. Inferring the Source of Transmission with Phylogenetic Data. *PLoS Computational Biology* **2013**, *9*, doi:[10.1371/journal.pcbi.1003397](https://doi.org/10.1371/journal.pcbi.1003397).
64.  
Vujadinović Mandić, M.; Vuković Vimić, A.; Fotirić Akšić, M.; Meland, M. Climate Potential for Apple Growing in Norway – Part 2: Assessment of Suitability of Heat Conditions under Future Climate Change. *Atmosphere* **2023**, *14*, doi:[10.3390/atmos14060937](https://doi.org/10.3390/atmos14060937).
65.  
Vyshkvarikova, E.V.; Voskresenskaya, E.N. Agroclimatic Assessment of the Crimea and Donbass Territories for the Rational Placement of Vineyards in Changing Climate: A Case Study for Sevastopol and Artemovsk. *Russian Meteorology and Hydrology* **2023**, *48*, 871–878, doi:[10.3103/S1068373923100060](https://doi.org/10.3103/S1068373923100060).
66.  
Webb, M.A.; Kidd, D.B.; Grose, C.J.; Moreton, R.M.; Malone, B.P.; McBratney, A.B.; Minasny, B. Integrating Climate into the Digital Soil Assessment Framework to Assess Land Suitability.; 2014; pp. 393–399.
67.  
Wu, S.; Yan, J.; Yang, L.; Cheng, X.; Wu, Y. Farmers and Herders Reclaim Cropland to Adapt to Climate Change in the Eastern Tibetan Plateau: A Case Study in Zamtang County, China. *Climatic Change* **2021**, *165*, doi:[10.1007/s10584-021-03098-w](https://doi.org/10.1007/s10584-021-03098-w).
68.  
Yang, H.J.; Tchelepi, H.A.; Tartakovsky, D.M. Method of Distributions for Two-Phase Flow in Heterogeneous Porous Media. *Water Resources Research* **2022**, *58*, doi:[10.1029/2022WR032607](https://doi.org/10.1029/2022WR032607).
- 69.

- Yue, Y.; Zhou, Y.; Wang, J.; Ye, X. Assessing Wheat Frost Risk with the Support of Gis: An Approach Coupling a Growing Season Meteorological Index and a Hybrid Fuzzy Neural Network Model. *Sustainability (Switzerland)* **2016**, *8*, doi:[10.3390/su8121308](https://doi.org/10.3390/su8121308).
- 70.
- Zaqout, T.; Andradóttir, H.Ó.; Sörensen, J. Trends in Soil Frost Formation in a Warming Maritime Climate and the Impacts on Urban Flood Risk. *Journal of Hydrology* **2023**, *617*, doi:[10.1016/j.jhydrol.2022.128978](https://doi.org/10.1016/j.jhydrol.2022.128978).
- 71.
- Zhang, R.; Wang, F.; Zheng, J.; Lin, J.; Hänninen, H.; Wu, J. Chilling Accumulation and Photoperiod Regulate Rest Break and Bud Burst in Five Subtropical Tree Species. *Forest Ecology and Management* **2021**, *485*, doi:[10.1016/j.foreco.2020.118813](https://doi.org/10.1016/j.foreco.2020.118813).
- 72.
- Zhao, D.; Yin, W.; Jiang, X.; Li, H. A Risk Analysis of Mudslide in Niangna Village, Bomi County.; 2018; pp. 964–970.
- 73.
- Zhou, X.; Carmeliet, J.; Derome, D. Assessment of Risk of Freeze-Thaw Damage in Internally Insulated Masonry in a Changing Climate. *Building and Environment* **2020**, *175*, doi:[10.1016/j.buildenv.2020.106773](https://doi.org/10.1016/j.buildenv.2020.106773).
- 74.
- Zhu, C.; Li, J.; Liu, Z.; Wang, J.; Chen, J. Polycyclic Aromatic Hydrocarbons (PAHs) in Gas, PM<sub>2.5</sub>, and Frost Samples in a Severely Polluted Rural Site of the North China Plain: Distribution, Source, and Risk Assessment. *Science of the Total Environment* **2022**, *844*, doi:[10.1016/j.scitotenv.2022.156919](https://doi.org/10.1016/j.scitotenv.2022.156919).
- 75.
- Žnidaršič, Z.; Gregorič, G.; Sušnik, A.; Pogačar, T. Frost Risk Assessment in Slovenia in the Period of 1981–2020. *Atmosphere* **2023**, *14*, doi:[10.3390/atmos14040683](https://doi.org/10.3390/atmos14040683).

## Appendix 6

1. Akther, S.; Suzuki, J.; Pokhrel, P.; Okada, T.; Imamura, M.; Enomoto, T.; Kuwahara, Y.; Fujita, M. Assessment of Heavy Metal Pollution in the Coastal Sediments of an Urbanized Atoll in the Central Pacific: Majuro Atoll, the Marshall Islands. *Environmental Monitoring and Assessment* **2021**, *193*, doi:[10.1007/s10661-021-09603-z](https://doi.org/10.1007/s10661-021-09603-z).
2. Alberico, I.; Iavarone, R.; Angrisani, A.C.; Castiello, A.; Incarnato, R.; Barra, R. The Potential Vulnerability Indices as Tools for Natural Risk Reduction. The Volturmo Coastal Plain Case Study. *Journal of Coastal Conservation* **2017**, *21*, 743–758, doi:[10.1007/s11852-017-0534-4](https://doi.org/10.1007/s11852-017-0534-4).
3. Amer, L.; Erkoç, M.; Celik, N.; Andiroglu, E. Operationalizing Resilience: A Deductive Fault-Driven Resilience Index for Enabling Adaptation. *Process Safety and Environmental Protection* **2023**, *177*, 1085–1102, doi:[10.1016/j.psep.2023.07.082](https://doi.org/10.1016/j.psep.2023.07.082).
4. Arkema, K.K.; Guannel, G.; Verutes, G.; Wood, S.A.; Guerry, A.; Ruckelshaus, M.; Kareiva, P.; Lacayo, M.; Silver, J.M. Coastal Habitats Shield People and Property from Sea-Level Rise and Storms. *Nature Climate Change* **2013**, *3*, 913–918, doi:[10.1038/nclimate1944](https://doi.org/10.1038/nclimate1944).
5. Ashrafur Islam, M.; Mitra, D.; Dewan, A.; Akhter, S.H. Coastal Multi-Hazard Vulnerability Assessment along the Ganges Deltaic Coast of Bangladesh-A Geospatial Approach. *Ocean and Coastal Management* **2016**, *127*, 1–15, doi:[10.1016/j.ocecoaman.2016.03.012](https://doi.org/10.1016/j.ocecoaman.2016.03.012).
6. Aucelli, P.P.C.; Di Paola, G.; Rizzo, A.; Roskopf, C.M. Present Day and Future Scenarios of Coastal Erosion and Flooding Processes along the Italian Adriatic Coast: The Case of Molise Region. *Environmental Earth Sciences* **2018**, *77*, doi:[10.1007/s12665-018-7535-y](https://doi.org/10.1007/s12665-018-7535-y).
7. Balas, E.A. A Hybrid Monte Carlo Simulation Risk Model for Oil Exploration Projects. *Marine Pollution Bulletin* **2023**, *194*, doi:[10.1016/j.marpolbul.2023.115270](https://doi.org/10.1016/j.marpolbul.2023.115270).
8. Benassai, G.; Di Paola, G.; Aucelli, P.P.C. Coastal Risk Assessment of a Micro-Tidal Littoral Plain in Response to Sea Level Rise. *Ocean and Coastal Management* **2015**, *104*, 22–35, doi:[10.1016/j.ocecoaman.2014.11.015](https://doi.org/10.1016/j.ocecoaman.2014.11.015).
9. Bruno, M.F.; Saponieri, A.; Molfetta, M.G.; Damiani, L. The DPSIR Approach for Coastal Risk Assessment under Climate Change at Regional Scale: The Case of Apulian Coast (Italy). *Journal of Marine Science and Engineering* **2020**, *8*, doi:[10.3390/JMSE8070531](https://doi.org/10.3390/JMSE8070531).
10. Celedón, V.; Del Río, L.; Ferreira, Ó.; Costas, S.; Plomaritis, T.A. Identification of Risk Hotspots to Storm Events in a Coastal Region with High Morphodynamic Alongshore Variability. *Natural Hazards* **2023**, *115*, 461–488, doi:[10.1007/s11069-022-05562-x](https://doi.org/10.1007/s11069-022-05562-x).
11. Chang, S.E.; Yip, J.Z.K.; Conger, T.; Oulahen, G.; Marteleira, M. Community Vulnerability to Coastal Hazards: Developing a Typology for Disaster Risk Reduction. *Applied Geography* **2018**, *91*, 81–88, doi:[10.1016/j.apgeog.2017.12.017](https://doi.org/10.1016/j.apgeog.2017.12.017).

12. Chen, S.; Sun, S. Evaluation of the EDPs' Cultural Assimilation Based on Epidemic Model.; 2020; Vol. 608.
13. Cogswell, A.; Greenan, B.J.W.; Greyson, P. Evaluation of Two Common Vulnerability Index Calculation Methods. *Ocean and Coastal Management* **2018**, *160*, 46–51, doi:[10.1016/j.ocecoaman.2018.03.041](https://doi.org/10.1016/j.ocecoaman.2018.03.041).
14. Djouder, F.; Boutiba, M. Vulnerability Assessment of Coastal Areas to Sea Level Rise from the Physical and Socioeconomic Parameters: Case of the Gulf Coast of Bejaia, Algeria. *Arabian Journal of Geosciences* **2017**, *10*, doi:[10.1007/s12517-017-3062-5](https://doi.org/10.1007/s12517-017-3062-5).
15. Eriksson, M.; Ebert, K.; Jarsjö, J. Well Salinization Risk and Effects of Baltic Sea Level Rise on the Groundwater-Dependent Island of Öland, Sweden. *Water (Switzerland)* **2018**, *10*, doi:[10.3390/w10020141](https://doi.org/10.3390/w10020141).
16. Ferreira, Ó.; Plomaritis, T.A.; Costas, S. Effectiveness Assessment of Risk Reduction Measures at Coastal Areas Using a Decision Support System: Findings from Emma Storm. *Science of the Total Environment* **2019**, *657*, 124–135, doi:[10.1016/j.scitotenv.2018.11.478](https://doi.org/10.1016/j.scitotenv.2018.11.478).
17. Frihy, O.E. Evaluation of Future Land-Use Planning Initiatives to Shoreline Stability of Egypt's Northern Nile Delta. *Arabian Journal of Geosciences* **2017**, *10*, doi:[10.1007/s12517-017-2893-4](https://doi.org/10.1007/s12517-017-2893-4).
18. Furlan, E.; Derepasko, D.; Torresan, S.; Pham, H.V.; Fogarin, S.; Critto, A. Ecosystem Services at Risk in Italy from Coastal Inundation under Extreme Sea Level Scenarios up to 2050: A Spatially Resolved Approach Supporting Climate Change Adaptation. *Integrated Environmental Assessment and Management* **2022**, *18*, 1564–1577, doi:[10.1002/ieam.4620](https://doi.org/10.1002/ieam.4620).
19. Gammon, M.; Whiting, S.; Fossette, S. Vulnerability of Sea Turtle Nesting Sites to Erosion and Inundation: A Decision Support Framework to Maximize Conservation. *Ecosphere* **2023**, *14*, doi:[10.1002/ecs2.4529](https://doi.org/10.1002/ecs2.4529).
20. Ghosh, A.; Das, S.; Ghosh, T.; Hazra, S. Risk of Extreme Events in Delta Environment: A Case Study of the Mahanadi Delta. *Science of the Total Environment* **2019**, *664*, 713–723, doi:[10.1016/j.scitotenv.2019.01.390](https://doi.org/10.1016/j.scitotenv.2019.01.390).
21. Ghousein, Y.; Mhawej, M.; Jaffal, A.; Fadel, A.; El Hourany, R.; Faour, G. Vulnerability Assessment of the South-Lebanese Coast: A GIS-Based Approach. *Ocean and Coastal Management* **2018**, *158*, 56–63, doi:[10.1016/j.ocecoaman.2018.03.028](https://doi.org/10.1016/j.ocecoaman.2018.03.028).
22. Han, S.M.; Bowen, D.; Davies, K.; Eilhardt, C.; Frazier, K.; Guerrieri, K.; Halligan, D.; Haworth, C.; Hosford, A.; Lee, C.; et al. Alternative Futures for the New Jersey Shore: Climate Change Adaptation & Natural Hazard Mitigation Strategies.; 2014.
23. Hassan, A.; Hassaan, M.A. Potential Impact of Sea Level Rise on the Geomorphology of Kuwait State Coastline. *Arabian Journal of Geosciences* **2020**, *13*, doi:[10.1007/s12517-020-06084-1](https://doi.org/10.1007/s12517-020-06084-1).
24. Hereher, M.E. Vulnerability Assessment of the Saudi Arabian Red Sea Coast to Climate Change. *Environmental Earth Sciences* **2016**, *75*, 1–13, doi:[10.1007/s12665-015-4835-3](https://doi.org/10.1007/s12665-015-4835-3).
25. Huyghe, W.; Hernández-Pacheco Algaba, M.; van Leeuwen, K.; Koop, S.; Eisenreich, S. Assessment of the Urban Water Cycle in Antwerp (BE): The City Blueprint Approach (CBA). *Cleaner Environmental Systems* **2021**, *2*, doi:[10.1016/j.cesys.2021.100011](https://doi.org/10.1016/j.cesys.2021.100011).
26. Ietto, F.; Cantasano, N.; Pellicone, G. A New Coastal Erosion Risk Assessment Indicator: Application to the Calabria Tyrrhenian Littoral (Southern Italy). *Environmental Processes* **2018**, *5*, 201–223, doi:[10.1007/s40710-018-0295-6](https://doi.org/10.1007/s40710-018-0295-6).
27. Kantamaneni, K.; Phillips, M.; Thomas, T.; Jenkins, R. Assessing Coastal Vulnerability: Development of a Combined Physical and Economic Index. *Ocean and Coastal Management* **2018**, *158*, 164–175, doi:[10.1016/j.ocecoaman.2018.03.039](https://doi.org/10.1016/j.ocecoaman.2018.03.039).
28. Karamouz, M.; Taheri, M.; Khalili, P.; Chen, X. Building Infrastructure Resilience in Coastal Flood Risk Management. *Journal of Water Resources Planning and Management* **2019**, *145*, doi:[10.1061/\(ASCE\)WR.1943-5452.0001043](https://doi.org/10.1061/(ASCE)WR.1943-5452.0001043).
29. Mahapatra, M.; Ramakrishnan, R.; Rajawat, A.S. Coastal Vulnerability Assessment of Gujarat Coast to Sea Level Rise Using GIS Techniques: A Preliminary Study. *Journal of Coastal Conservation* **2015**, *19*, 241–256, doi:[10.1007/s11852-015-0384-x](https://doi.org/10.1007/s11852-015-0384-x).
30. Manes, S.; Gama-Maia, D.; Vaz, S.; Pires, A.P.F.; Tardin, R.H.; Maricato, G.; Bezerra, D.D.S.; Vale, M.M. Nature as a Solution for Shoreline Protection against Coastal Risks Associated with Ongoing Sea-Level Rise. *Ocean and Coastal Management* **2023**, *235*, doi:[10.1016/j.ocecoaman.2023.106487](https://doi.org/10.1016/j.ocecoaman.2023.106487).
31. Markphol, A.; Kittitornkool, J.; Armitage, D.; Chotikarn, P. An Integrative Approach to Planning for Community-Based Adaptation to Sea-Level Rise in Thailand. *Ocean and Coastal Management* **2021**, *212*, doi:[10.1016/j.ocecoaman.2021.105846](https://doi.org/10.1016/j.ocecoaman.2021.105846).
- 32.

- Martínez-Graña, A.M.; Boski, T.; Goy, J.L.; Zazo, C.; Dabrio, C.J. Coastal-Flood Risk Management in Central Algarve: Vulnerability and Flood Risk Indices (South Portugal). *Ecological Indicators* **2016**, *71*, 302–316, doi:[10.1016/j.ecolind.2016.07.021](https://doi.org/10.1016/j.ecolind.2016.07.021).  
33.
- Martinich, J.; Neumann, J.; Ludwig, L.; Jantarasami, L. Risks of Sea Level Rise to Disadvantaged Communities in the United States. *Mitigation and Adaptation Strategies for Global Change* **2013**, *18*, 169–185, doi:[10.1007/s11027-011-9356-0](https://doi.org/10.1007/s11027-011-9356-0).  
34.
- Mason, D.; Iida, A.; Watanabe, S.; Jackson, L.P.; Yokohari, M. How Urbanization Enhanced Exposure to Climate Risks in the Pacific: A Case Study in the Republic of Palau. *Environmental Research Letters* **2020**, *15*, doi:[10.1088/1748-9326/abb9dc](https://doi.org/10.1088/1748-9326/abb9dc).  
35.
- Mustika Anindita, R.; Susilowati, I.; Muhammad, F. Flood Risk Spatial Index Analysis in the Coastal Pekalongan, Central Java, Indonesia.; 2020; Vol. 202.  
36.
- Najarkolaie, K.F.; Bensi, M.; Reilly, A.C. Short-Term and Long-Term Inundation Risk Insights for Contaminated Sites in the US. *Journal of Hazardous, Toxic, and Radioactive Waste* **2023**, *27*, doi:[10.1061/\(ASCE\)HZ.2153-5515.0000728](https://doi.org/10.1061/(ASCE)HZ.2153-5515.0000728).  
37.
- Nguyen, T.T.X.; Bonetti, J.; Rogers, K.; Woodroffe, C.D. Indicator-Based Assessment of Climate-Change Impacts on Coasts: A Review of Concepts, Methodological Approaches and Vulnerability Indices. *Ocean and Coastal Management* **2016**, *123*, 18–43, doi:[10.1016/j.ocecoaman.2015.11.022](https://doi.org/10.1016/j.ocecoaman.2015.11.022).  
38.
- Oh, H.M.; Jeong, K.Y.; Kim, H.K.; Lee, E.; Hwang, S.M.; Kim, S.M.; Kang, T.S. Wave Risk Assessment on Coastal Areas in Korea.; 2020; pp. 1351–1358.  
39.
- Parker, A. Sea Level Oscillations in Japan and China since the Start of the 20th Century and Consequences for Coastal Management - Part 2: China Pearl River Delta Region. *Ocean and Coastal Management* **2018**, *163*, 456–465, doi:[10.1016/j.ocecoaman.2018.08.004](https://doi.org/10.1016/j.ocecoaman.2018.08.004).  
40.
- Pricope, N.G.; Hidalgo, C.; Pippin, J.S.; Evans, J.M. Shifting Landscapes of Risk: Quantifying Pluvial Flood Vulnerability beyond the Regulated Floodplain. *Journal of Environmental Management* **2022**, *304*, doi:[10.1016/j.jenvman.2021.114221](https://doi.org/10.1016/j.jenvman.2021.114221).  
41.
- Rizzo, A.; Vandelli, V.; Gauci, C.; Buhagiar, G.; Micallef, A.S.; Soldati, M. Potential Sea Level Rise Inundation in the Mediterranean: From Susceptibility Assessment to Risk Scenarios for Policy Action. *Water (Switzerland)* **2022**, *14*, doi:[10.3390/w14030416](https://doi.org/10.3390/w14030416).  
42.
- Rocha, C.; Antunes, C.; Catita, C. Coastal Indices to Assess Sea-Level Rise Impacts - A Brief Review of the Last Decade. *Ocean and Coastal Management* **2023**, *237*, doi:[10.1016/j.ocecoaman.2023.106536](https://doi.org/10.1016/j.ocecoaman.2023.106536).  
43.
- Rohmer, J.; Lincke, D.; Hinkel, J.; Le Cozannet, G.; Lambert, E.; Vafeidis, A.T. Unravelling the Importance of Uncertainties in Global-Scale Coastal Flood Risk Assessments under Sea Level Rise. *Water (Switzerland)* **2021**, *13*, doi:[10.3390/w13060774](https://doi.org/10.3390/w13060774).  
44.
- Schmeltz, M.T.; Marcotullio, P.J. Examination of Human Health Impacts Due to Adverse Climate Events through the Use of Vulnerability Mapping: A Scoping Review. *International Journal of Environmental Research and Public Health* **2019**, *16*, doi:[10.3390/ijerph16173091](https://doi.org/10.3390/ijerph16173091).  
45.
- Tătuț, F.; Pîrvan, M.; Popa, M.; Aydoğan, B.; Ayat, B.; Görmüş, T.; Korzinin, D.; Văidianu, N.; Vespremeanu-Stroe, A.; Zăinescu, F.; et al. The Black Sea Coastline Erosion: Index-Based Sensitivity Assessment and Management-Related Issues. *Ocean and Coastal Management* **2019**, *182*, doi:[10.1016/j.ocecoaman.2019.104949](https://doi.org/10.1016/j.ocecoaman.2019.104949).  
46.
- Thatcher, C.A.; Brock, J.C.; Pendleton, E.A. Economic Vulnerability to Sea-Level Rise along the Northern U.S. Gulf Coast. *Journal of Coastal Research* **2013**, *63*, 234–243, doi:[10.2112/SI63-017.1](https://doi.org/10.2112/SI63-017.1).  
47.
- Xie, W.; Meng, Q. An Integrated PCA–AHP Method to Assess Urban Social Vulnerability to Sea Level Rise Risks in Tampa, Florida. *Sustainability (Switzerland)* **2023**, *15*, doi:[10.3390/su15032400](https://doi.org/10.3390/su15032400).  
48.
- Zamboni, N.S.; Prudêncio, M.D.C.; Amaro, V.E.; Matos, M.D.F.A.D.; Verutes, G.M.; Carvalho, A.R. The Protective Role of Mangroves in Safeguarding Coastal Populations through Hazard Risk Reduction: A Case Study in Northeast Brazil. *Ocean and Coastal Management* **2022**, *229*, doi:[10.1016/j.ocecoaman.2022.106353](https://doi.org/10.1016/j.ocecoaman.2022.106353).

## Appendix 7

1. Al Heib, M.M.; Franck, C.; Djizanne, H.; Degas, M. Post-Mining Multi-Hazard Assessment for Sustainable Development. *Sustainability (Switzerland)* **2023**, *15*, doi:[10.3390/su15108139](https://doi.org/10.3390/su15108139).
- 2.

3. Balovtsev, S.V.; Skopintseva, O.V.; Kulikova, E.Yu. Assessment of Heavy Hydrocarbons Influence on Aerological Risks in Coal Mines. *Sustainable Development of Mountain Territories* **2023**, *15*, 234–245, doi:[10.21177/1998-4502-2023-15-2-234-245](https://doi.org/10.21177/1998-4502-2023-15-2-234-245).
4. Duan, Y.; Si, G.; Canbulat, I.; Luo, X. Temporal-Spatial Characterization of Mining-Induced Seismicity in the Vicinity of a Dyke – A Case Study. *Engineering Geology* **2022**, *307*, doi:[10.1016/j.enggeo.2022.106788](https://doi.org/10.1016/j.enggeo.2022.106788).
5. Geng, F.; Saleh, J.H. Challenging the Emerging Narrative: Critical Examination of Coalmining Safety in China, and Recommendations for Tackling Mining Hazards. *Safety Science* **2015**, *75*, 36–48, doi:[10.1016/j.ssci.2015.01.007](https://doi.org/10.1016/j.ssci.2015.01.007).
6. Janjuhah, H.T.; Ishfaq, M.; Mehmood, M.I.; Kontakiotis, G.; Shahzad, S.M.; Zarkogiannis, S.D. Integrated Underground Mining Hazard Assessment, Management, Environmental Monitoring, and Policy Control in Pakistan. *Sustainability (Switzerland)* **2021**, *13*, doi:[10.3390/su132413505](https://doi.org/10.3390/su132413505).
7. Krause, M. Hazards and Occupational Risk in Hard Coal Mines - A Critical Analysis of Legal Requirements.; 2017; Vol. 268.
8. Li, H.; Cao, A.; Gong, S.; Wang, C.; Zhang, R. Evolution Characteristics of Seismic Detection Probability in Underground Mines and Its Application for Assessing Seismic Risks—A Case Study. *Sensors* **2022**, *22*, doi:[10.3390/s22103682](https://doi.org/10.3390/s22103682).
9. Małkowski, P. Management of Mining Hazard Monitoring. *Inżynieria Mineralna* **2017**, *2017*, 215–224, doi:[10.29227/IM-2017-02-24](https://doi.org/10.29227/IM-2017-02-24).
10. Sima, M.; Morosanu, G.A. Mining Hazard Risk Reduction and Resilience. In *Disaster Risk Reduction for Resilience: Disaster Risk Management Strategies*; 2022; pp. 73–99.
11. Wang, Q.; Guo, H.; Chen, Y.; Lin, Q.; Li, H. Application of Remote Sensing for Investigating Mining Geological Hazards. *International Journal of Digital Earth* **2013**, *6*, 449–468, doi:[10.1080/17538947.2011.629009](https://doi.org/10.1080/17538947.2011.629009).
12. Xie, C.; Nguyen, H.; Bui, X.-N.; Nguyen, V.-T.; Zhou, J. Predicting Roof Displacement of Roadways in Underground Coal Mines Using Adaptive Neuro-Fuzzy Inference System Optimized by Various Physics-Based Optimization Algorithms. *Journal of Rock Mechanics and Geotechnical Engineering* **2021**, *13*, 1452–1465, doi:[10.1016/j.jrmge.2021.07.005](https://doi.org/10.1016/j.jrmge.2021.07.005).

## Appendix 8 - Deforestation/land conversion

1. Gao, D.; Lin, H.; Jiang, A.; Wu, G. A Forest Fire Prediction System Based on Rechargeable Wireless Sensor Networks. In *Proceedings of the Proc. IEEE Int. Conf. Netw. Infrastr. Digit. Content, IEEE IC-NIDC*; Guo J., Yang J., Wang W., Zhang L., Zhang X., Eds.; Institute of Electrical and Electronics Engineers Inc., 2014; pp. 405–408.
2. Lin, H.; Liu, X.; Wang, X.; Liu, Y. A Fuzzy Inference and Big Data Analysis Algorithm for the Prediction of Forest Fire Based on Rechargeable Wireless Sensor Networks. *Sustainable Computing: Informatics and Systems* **2018**, *18*, 101–111, doi:[10.1016/j.suscom.2017.05.004](https://doi.org/10.1016/j.suscom.2017.05.004).
3. Gil-Tena, A.; Morán-Ordóñez, A.; Comas, L.; Retana, J.; Vayreda, J.; Brotons, L. A Quantitative Assessment of Mid-Term Risks of Global Change on Forests in Western Mediterranean Europe. *Reg. Environ. Change* **2019**, *19*, 819–831, doi:[10.1007/s10113-018-1437-0](https://doi.org/10.1007/s10113-018-1437-0).
4. Schmidt, A.; Leavell, D.; Panches, J.; Rocha Ibarra, M.A.; Kagan, J.S.; Creutzburg, M.; McCune, M.; Salwasser, J.; Walter, C.; Berger, C. A Quantitative Wildfire Risk Assessment Using a Modular Approach of Geostatistical Clustering and Regionally Distinct Valuations of Assets—A Case Study in Oregon. *PLoS ONE* **2022**, *17*, doi:[10.1371/journal.pone.0264826](https://doi.org/10.1371/journal.pone.0264826).
5. Kibblewhite, M.G.; Bellamy, P.H.; Brewer, T.A.; Graves, A.R.; Dawson, C.A.; Rickson, R.J.; Truckell, I.; Stuart, J. An Exploration of Spatial Risk Assessment for Soil Protection: Estimating Risk and Establishing Priority Areas for Soil Protection. *Sci. Total Environ.* **2014**, *473–474*, 692–701, doi:[10.1016/j.scitotenv.2013.12.086](https://doi.org/10.1016/j.scitotenv.2013.12.086).
6. Alim, A.S.; Anggraini, R.S. Assessing Land Degradation as the Impact of Deforestation Due to the Expansion of Oil Palm Plantation in Rokan Hulu, Riau. In *Proceedings of the IOP Conf. Ser. Earth Environ. Sci.*; Sunyoto N.M.S., Mubarak A.Z., Hidayat A., Mustaqiman A.N., Ihwah A., Perdani C.G., Ali D.Y., Ikasari D.M., Al Riza D.F., Indriani D.W., Setyawan H.Y., Nurcholis M., Istianah N., Setiani P., Septifani R., Muktiningsih S.D., Hasna T., Ubaidillah null, Rohmah W.G., Sunarharum W.B., Eds.; IOP Publishing Ltd, 2021; Vol. 733.
7. Wang, L.; Li, Q.; Qiu, Q.; Hou, L.; Ouyang, J.; Zeng, R.; Huang, S.; Li, J.; Tang, L.; Liu, Y. Assessing the Ecological Risk Induced by PM<sub>2.5</sub> Pollution in a Fast Developing Urban Agglomeration of Southeastern China. *J. Environ. Manage.* **2022**, *324*, doi:[10.1016/j.jenvman.2022.116284](https://doi.org/10.1016/j.jenvman.2022.116284).
- 8.

- Behling, R.; Roessner, S.; Kaufmann, H.; Kleinschmit, B. Automated Spatiotemporal Landslide Mapping over Large Areas Using Rapideye Time Series Data. *Remote Sens.* **2014**, *6*, 8026–8055, doi:[10.3390/rs6098026](https://doi.org/10.3390/rs6098026).
- 9.
- Lasanta, T.; Khorchani, M.; Pérez-Cabello, F.; Errea, P.; Sáenz-Blanco, R.; Nadal-Romero, E. Clearing Shrubland and Extensive Livestock Farming: Active Prevention to Control Wildfires in the Mediterranean Mountains. *J. Environ. Manage.* **2018**, *227*, 256–266, doi:[10.1016/j.jenvman.2018.08.104](https://doi.org/10.1016/j.jenvman.2018.08.104).
- 10.
- Herazo, S.; Berrouet, L.; Hernández-Atilano, E.; Agudelo-Echavarría, D.M. Coevolution of Flood Dynamics and Economical Production in Tropical Wetlands: Insights From Bayesian Networks in Ayapel Wetland, Colombia. *J. Geophys. Res. Biogeosci.* **2023**, *128*, doi:[10.1029/2023JG007416](https://doi.org/10.1029/2023JG007416).
- 11.
- Kaufmann, R.; Häring, I. Comparison of 3D Visualization Options for Quantitative Risk Analyses. In Proceedings of the Saf., Reliab. Risk Anal.: Beyond Horiz. - Proc. Eur. Saf. Reliab. Conf., ESREL; shers, 2014; pp. 2019–2026.
- 12.
- Mammadova, A.; Behagel, J.; Masiero, M.; Pettenella, D. Deforestation As a Systemic Risk. The Case of Brazilian Bovine Leather. *Forests* **2022**, *13*, doi:[10.3390/f13020233](https://doi.org/10.3390/f13020233).
- 13.
- Singkran, N.; Kandasamy, J. Developing a Strategic Flood Risk Management Framework for Bangkok, Thailand. *Nat. Hazards* **2016**, *84*, 933–957, doi:[10.1007/s11069-016-2467-x](https://doi.org/10.1007/s11069-016-2467-x).
- 14.
- Chen, J.; Zheng, W.; Shan, T. Dynamic Fire Monitoring Analysis and Risk Assessment Based on Multisource Satellite Remote Sensing. *Mob. Inf. Sys.* **2022**, *2022*, doi:[10.1155/2022/5039644](https://doi.org/10.1155/2022/5039644).
- 15.
- Thatcher, C.A.; Brock, J.C.; Pendleton, E.A. Economic Vulnerability to Sea-Level Rise along the Northern U.S. Gulf Coast. *J. Coast. Res.* **2013**, *63*, 234–243, doi:[10.2112/SI63-017.1](https://doi.org/10.2112/SI63-017.1).
- 16.
- Mullerova, J. Environmental Risk Analysis for District of Pezinok by Rm/Ra Cramm Method. In Proceedings of the Int. Multidisciplinary Sci. Geoconf. Surveying Geology Mining Ecology Manage., SGEM; International Multidisciplinary Scientific Geoconference, 2019; Vol. 19, pp. 215–220.
- 17.
- Zema, D.A.; Bombino, G.; Denisi, P.; Lucas-Borja, M.E.; Zimbone, S.M. Evaluating the Effects of Check Dams on Channel Geometry, Bed Sediment Size and Riparian Vegetation in Mediterranean Mountain Torrents. *Sci. Total Environ.* **2018**, *642*, 327–340, doi:[10.1016/j.scitotenv.2018.06.035](https://doi.org/10.1016/j.scitotenv.2018.06.035).
- 18.
- Domeneghetti, A.; Carisi, F.; Castellarin, A.; Brath, A. Evolution of Flood Risk over Large Areas: Quantitative Assessment for the Po River. *J. Hydrol.* **2015**, *527*, 809–823, doi:[10.1016/j.jhydrol.2015.05.043](https://doi.org/10.1016/j.jhydrol.2015.05.043).
- 19.
- Natarajan, S.; Radhakrishnan, N. Flood Hazard Delineation in an Ungauged Catchment by Coupling Hydrologic and Hydraulic Models with Geospatial Techniques—a Case Study of Koraiyar Basin, Tiruchirappalli City, Tamil Nadu, India. *Environ. Monit. Assess.* **2020**, *192*, doi:[10.1007/s10661-020-08650-2](https://doi.org/10.1007/s10661-020-08650-2).
- 20.
- Tian, K.; Huang, B.; Xing, Z.; Hu, W. Geochemical Baseline Establishment and Ecological Risk Evaluation of Heavy Metals in Greenhouse Soils from Dongtai, China. *Ecol. Indic.* **2017**, *72*, 510–520, doi:[10.1016/j.ecolind.2016.08.037](https://doi.org/10.1016/j.ecolind.2016.08.037).
- 21.
- Singh, M.C.; Sur, K.; Al-Ansari, N.; Arya, P.K.; Verma, V.K.; Malik, A. GIS Integrated RUSLE Model-Based Soil Loss Estimation and Watershed Prioritization for Land and Water Conservation Aspects. *Front. Environ. Sci.* **2023**, *11*, doi:[10.3389/fenvs.2023.1136243](https://doi.org/10.3389/fenvs.2023.1136243).
- 22.
- Tonini, M.; Parente, J.; Pereira, M.G. Global Assessment of Rural-Urban Interface in Portugal Related to Land Cover Changes. *Nat. Hazards Earth Syst. Sci.* **2018**, *18*, 1647–1664, doi:[10.5194/nhess-18-1647-2018](https://doi.org/10.5194/nhess-18-1647-2018).
- 23.
- Monteiro, R.; Ferreira, J.C. Green Infrastructure Planning as a Climate Change and Risk Adaptation Tool in Coastal Urban Areas. *J. Coast. Res.* **2020**, *95*, 889–893, doi:[10.2112/SI95-173.1](https://doi.org/10.2112/SI95-173.1).
- 24.
- Jenkins, A.P.; Jupiter, S.; Mueller, U.; Jenney, A.; Vosaki, G.; Rosa, V.; Naucukidi, A.; Mulholland, K.; Strugnell, R.; Kama, M.; et al. Health at the Sub-Catchment Scale: Typhoid and Its Environmental Determinants in Central Division, Fiji. *EcoHealth* **2016**, *13*, 633–651, doi:[10.1007/s10393-016-1152-6](https://doi.org/10.1007/s10393-016-1152-6).
- 25.
- Farvacque, M.; Lopez-Saez, J.; Corona, C.; Toe, D.; Bourrier, F.; Eckert, N. How Is Rockfall Risk Impacted by Land-Use and Land-Cover Changes? Insights from the French Alps. *Global Planet. Change* **2019**, *174*, 138–152, doi:[10.1016/j.gloplacha.2019.01.009](https://doi.org/10.1016/j.gloplacha.2019.01.009).
- 26.
- Yadon, D.M.; Glunz, G.G.; Clark, J.P.; Gavin, M.J. How Many Challenges Can One Dam Have? And You Want the Repairs Made in How Many Days? Designing and Constructing Risk Reduction Measures at Beaver Park Dam. In Proceedings of the Assoc. State Dam Saf. Off., Dam Safety; Association of State Dam Safety Officials, 2015.
- 27.

- Fregonesi, B.M.; Zagui, G.S.; de Abreu Tonani, K.A.; Machado, C.S.; Gomes-Silva, G.; Padula, J.A.; Martone-Rocha, S.; Razzolini, M.T.P.; Plath, M.; Segura-Muñoz, S. Human Health Risk Assessment for (Re)Emerging Protozoan Parasites in Surface Water Used for Public Supply and Recreational Activities. *Environ. Monit. Assess.* **2022**, *194*, doi:[10.1007/s10661-022-10058-z](https://doi.org/10.1007/s10661-022-10058-z).
28. Zhang, L.; Ameca, E.I.; Otero-Jimenez, B.; Montaña, S.K.; Shea, A.; Kelly, T.; Andrianoely, D.; Wright, P.C. Human-Induced Deforestation Increases Extinction Risk Faster than Climate Pressures: Evidence from Long-Term Monitoring of the Globally Endangered Milne-Edward's Sifaka. *Biol. Conserv.* **2022**, *274*, doi:[10.1016/j.biocon.2022.109716](https://doi.org/10.1016/j.biocon.2022.109716).
29. Botello, F.; Sarkar, S.; Sánchez-Cordero, V. Impact of Habitat Loss on Distributions of Terrestrial Vertebrates in a High-Biodiversity Region in Mexico. *Biol. Conserv.* **2015**, *184*, 59–65, doi:[10.1016/j.biocon.2014.11.035](https://doi.org/10.1016/j.biocon.2014.11.035).
30. Mandarinò, A.; Faccini, F.; Luino, F.; Bono, B.; Turconi, L. Integrated Approach for the Study of Urban Expansion and River Floods Aimed at Hydrogeomorphic Risk Reduction. *Remote Sens.* **2023**, *15*, doi:[10.3390/rs15174158](https://doi.org/10.3390/rs15174158).
31. Laidre, K.L.; Atkinson, S.; Regehr, E.V.; Stern, H.L.; Born, E.W.; Wiig, Ø.; Lunn, N.J.; Dyck, M. Interrelated Ecological Impacts of Climate Change on an Apex Predator. *Ecol. Appl.* **2020**, *30*, doi:[10.1002/eap.2071](https://doi.org/10.1002/eap.2071).
32. Liang, T.; Yang, F.; Huang, D.; Luo, Y.; Wu, Y.; Wen, C. Land-Use Transformation and Landscape Ecological Risk Assessment in the Three Gorges Reservoir Region Based on the "Production-Living-Ecological Space" Perspective. *Land* **2022**, *11*, doi:[10.3390/land11081234](https://doi.org/10.3390/land11081234).
33. Rivière, M.; Lenglet, J.; Noirault, A.; Pimont, F.; Dupuy, J.-L. Mapping Territorial Vulnerability to Wildfires: A Participative Multi-Criteria Analysis. *For. Ecol. Manage.* **2023**, *539*, doi:[10.1016/j.foreco.2023.121014](https://doi.org/10.1016/j.foreco.2023.121014).
34. Riao, D.; Guga, S.; Bao, Y.; Liu, X.; Tong, Z.; Zhang, J. Non-Overlap of Suitable Areas of Agro-Climatic Resources and Main Planting Areas Is the Main Reason for Potato Drought Disaster in Inner Mongolia, China. *Agric. Water Manage.* **2023**, *275*, doi:[10.1016/j.agwat.2022.108033](https://doi.org/10.1016/j.agwat.2022.108033).
35. Bahrawi, J.; Ewea, H.; Kamis, A.; Elhag, M. Potential Flood Risk Due to Urbanization Expansion in Arid Environments, Saudi Arabia. *Nat. Hazards* **2020**, *104*, 795–809, doi:[10.1007/s11069-020-04190-7](https://doi.org/10.1007/s11069-020-04190-7).
36. Siirila-Woodburn, E.R.; Steefel, C.I.; Williams, K.H.; Birkholzer, J.T. Predicting the Impact of Land Management Decisions on Overland Flow Generation: Implications for Cesium Migration in Forested Fukushima Watersheds. *Adv. Water Resour.* **2018**, *113*, 42–54, doi:[10.1016/j.advwatres.2018.01.008](https://doi.org/10.1016/j.advwatres.2018.01.008).
37. Kuenzer, C.; Heimhuber, V.; Day, J.; Varis, O.; Bucx, T.; Renaud, F.; Gaohuan, L.; Tuan, V.Q.; Schlurmann, T.; Glamore, W. Profiling Resilience and Adaptation in Mega Deltas: A Comparative Assessment of the Mekong, Yellow, Yangtze, and Rhine Deltas. *Ocean Coast. Manage.* **2020**, *198*, doi:[10.1016/j.ocecoaman.2020.105362](https://doi.org/10.1016/j.ocecoaman.2020.105362).
38. Drzewiecki, W.; Wężyk, P.; Pierzchalski, M.; Szafrńska, B. Quantitative and Qualitative Assessment of Soil Erosion Risk in Małopolska (Poland), Supported by an Object-Based Analysis of High-Resolution Satellite Images. *Pure Appl. Geophys.* **2014**, *171*, 867–895, doi:[10.1007/s00024-013-0669-7](https://doi.org/10.1007/s00024-013-0669-7).
39. Li, K.; Tong, Z.; Liu, X.; Zhang, J.; Tong, S. Quantitative Assessment and Driving Force Analysis of Vegetation Drought Risk to Climate Change: Methodology and Application in Northeast China. *Agric. For. Meteorol.* **2020**, *282–283*, doi:[10.1016/j.agrformet.2019.107865](https://doi.org/10.1016/j.agrformet.2019.107865).
40. Bayramov, E.; Schlager, P.; Kada, M.; Buchroithner, M.; Bayramov, R. Quantitative Assessment of Climate Change Impacts onto Predicted Erosion Risks and Their Spatial Distribution within the Landcover Classes of the Southern Caucasus Using GIS and Remote Sensing. *Model. Earth Syst. Environ.* **2019**, *5*, 659–667, doi:[10.1007/s40808-018-0557-3](https://doi.org/10.1007/s40808-018-0557-3).
41. Wang, Z.; Zhang, F.; Zhang, X.; Chan, N.W.; Kung, H.; Zhou, X.; Wang, Y. Quantitative Evaluation of Spatial and Temporal Variation of Soil Salinization Risk Using GIS-Based Geostatistical Method. *Remote Sens.* **2020**, *12*, doi:[10.3390/RS12152405](https://doi.org/10.3390/RS12152405).
42. Chauhan, P.; Chauniyal, D.D.; Singh, N.; Tiwari, R.K. Quantitative Geo-Morphometric and Land Cover-Based Micro-Watershed Prioritization in the Tons River Basin of the Lesser Himalaya. *Environ. Earth Sci.* **2016**, *75*, doi:[10.1007/s12665-016-5342-x](https://doi.org/10.1007/s12665-016-5342-x).
43. Budiarta, K.G.W.; Handani, D.W.; Dinariyana, A.A.B. Quantitative Risk Assessment of LNG Terminal. In Proceedings of the IOP Conf. Ser. Earth Environ. Sci.; IOP Publishing Ltd, 2020; Vol. 557.
44. Brooks, A.C.; Fryer, M.; Lawrence, A.; Pascual, J.; Sharp, R. Reflections on Bird and Mammal Risk Assessment for Plant Protection Products in the European Union: Past, Present, and Future. *Environ. Toxicol. Chem.* **2017**, *36*, 565–575, doi:[10.1002/etc.3719](https://doi.org/10.1002/etc.3719).
- 45.

- Lów, F.; Navratil, P.; Kotte, K.; Schöler, H.F.; Bubenzer, O. Remote-Sensing-Based Analysis of Landscape Change in the Desiccated Seabed of the Aral Sea - A Potential Tool for Assessing the Hazard Degree of Dust and Salt Storms. *Environ. Monit. Assess.* **2013**, *185*, 8303–8319, doi:[10.1007/s10661-013-3174-7](https://doi.org/10.1007/s10661-013-3174-7).
46.  
Treo, E.F.; Manfredi, C.; Jouli, M.; Zuzek, M.; Lagarde, M. RISK ASSESSMENT METHODOLOGY FOR A GATHERING SYSTEM IN A POPULATED AREA. In Proceedings of the Rio Pipeline Conf. Expo. Tech. papers; Instituto Brasileiro de Petroleo, 2019.
47.  
Mullerova, J.; Nemeč, V. Risk Assessment RM/RA Cramm - Quantitative Method for Environmental, Technology and Social Threats. In Proceedings of the Int. Multidisciplinary Sci. Geoconf. Surveying Geology Mining Ecology Manage., SGEM; International Multidisciplinary Scientific Geoconference, 2019; Vol. 19, pp. 279–285.
48.  
Chapman, C.A.; Deluycker, A.; Reyna-Hurtado, R.A.; Serio-Silva, J.C.; Smith, T.B.; Strier, K.B.; Goldberg, T.L. Safeguarding Biodiversity: What Is Perceived as Working, According to the Conservation Community? *ORYX* **2016**, *50*, 302–307, doi:[10.1017/S0030605314000738](https://doi.org/10.1017/S0030605314000738).
49.  
Okano, Y.; Yamano, H. Sensitivity Study on Forest Fire Breakout and Propagation Conditions for Forest Fire Hazard Curve Evaluations. In Proceedings of the Int Conf Nucl Eng Proc ICONE; American Society of Mechanical Engineers (ASME), 2016; Vol. 4.
50.  
Bustillo Sánchez, M.; Tonini, M.; Mapelli, A.; Fiorucci, P. Spatial Assessment of Wildfires Susceptibility in Santa Cruz (Bolivia) Using Random Forest. *Geosciences* **2021**, *11*, doi:[10.3390/geosciences11050224](https://doi.org/10.3390/geosciences11050224).
51.  
Nami, M.H.; Jaafari, A.; Fallah, M.; Nabiuni, S. Spatial Prediction of Wildfire Probability in the Hyrcanian Ecoregion Using Evidential Belief Function Model and GIS. *Int. J. Environ. Sci. Technol.* **2018**, *15*, 373–384, doi:[10.1007/s13762-017-1371-6](https://doi.org/10.1007/s13762-017-1371-6).
52.  
Yin, L.; Wang, Y.; Sun, C.; Ye, Y. Spatiotemporal Evolution and Risk Analysis of Land Use in the Coastal Zone of the Yangtze River Delta Region of China. *Remote Sens.* **2023**, *15*, doi:[10.3390/rs15092261](https://doi.org/10.3390/rs15092261).
53.  
Wei, X.; Wu, X.; Wang, D.; Wu, T.; Li, R.; Hu, G.; Zou, D.; Bai, K.; Ma, X.; Liu, Y.; et al. Spatiotemporal Variations and Driving Factors for Potential Wind Erosion on the Mongolian Plateau. *Sci. Total Environ.* **2023**, *862*, doi:[10.1016/j.scitotenv.2022.160829](https://doi.org/10.1016/j.scitotenv.2022.160829).
54.  
Deteix, L.; Salou, T.; Drogué, S.; Loiseau, E. The Importance of Land in Resource Criticality Assessment Methods: A First Step towards Characterising Supply Risk. *Sci. Total Environ.* **2023**, *880*, doi:[10.1016/j.scitotenv.2023.163248](https://doi.org/10.1016/j.scitotenv.2023.163248).
55.  
Di Giuseppe, F.; Pappenberger, F.; Wetterhall, F.; Krzeminski, B.; Camia, A.; Libertá, G.; Miguel, J.S. The Potential Predictability of Fire Danger Provided by Numerical Weather Prediction. *J. Appl. Meteorol. Climatol.* **2016**, *55*, 2469–2491, doi:[10.1175/JAMC-D-15-0297.1](https://doi.org/10.1175/JAMC-D-15-0297.1).
56.  
Tracewski, Ł.; Butchart, S.H.; Di Marco, M.; Ficetola, G.F.; Rondinini, C.; Symes, A.; Wheatley, H.; Beresford, A.E.; Buchanan, G.M. Toward Quantification of the Impact of 21st-Century Deforestation on the Extinction Risk of Terrestrial Vertebrates. *Conserv. Biol.* **2016**, *30*, 1070–1079, doi:[10.1111/cobi.12715](https://doi.org/10.1111/cobi.12715).

## Appendix 9

1.  
Bushozi, P.M. A Multiple-Institution Corporation's Engagement of Local Communities in Conservation Management: The Case of Olduvai Gorge, Ngorongoro Conservation Area (Nca), Tanzania. *S. Afr. Archaeol. Bull.* **2019**, *74*, 104–111.
2.  
Frey, B.S.; Briviba, A. A Policy Proposal to Deal with Excessive Cultural Tourism. *Eur. Plann. Stud.* **2021**, *29*, 601–618, doi:[10.1080/09654313.2021.1903841](https://doi.org/10.1080/09654313.2021.1903841).
3.  
Kumar, D.; Prasad, J.; Pandey, A.K.; Upadhyay, M.K. A Scientific Approach to Preservation of Cultural Heritage - Sib Sagar (Assam) Centrally Protected Monument. *Int. J. Conserv. Sci.* **2018**, *9*, 291–300.
4.  
Bârcă, V. Accomplishments and Failures in the Management of Fortress Sarmizegetusa Regia, a UNESCO World Heritage Monument. *J. Anc. Hist. Archaeol.* **2019**, *6*, 118–150, doi:[10.14795/j.v6i4.464](https://doi.org/10.14795/j.v6i4.464).
5.  
Fuentes-Gutiérrez, I.; García-Ortiz, E.; Fernández-Martínez, E. Anthropic Threats to Geological Heritage: Characterization and Management: A Case Study in the Dinosaur Tracksites of La Rioja (Spain). *Geoheritage* **2016**, *8*, 135–153, doi:[10.1007/s12371-015-0142-3](https://doi.org/10.1007/s12371-015-0142-3).
6.  
Wright, A.M. Assessing the Stability and Sustainability of Rock Art Sites: Insight from Southwestern Arizona. *J. Archaeol. Method and Theory* **2018**, *25*, 911–952, doi:[10.1007/s10816-017-9363-x](https://doi.org/10.1007/s10816-017-9363-x).

7.  
ZARANDONA, J.A.G. Between Destruction and Protection: The Case of the Australian Rock Art Sites. *Zarch* **2021**, 148–153, doi:[10.26754/OJS\\_ZARCH/ZARCH.2021165087](https://doi.org/10.26754/OJS_ZARCH/ZARCH.2021165087).
8.  
Cocco, O.; Carboni, M.; Carcangiu, G.; Meloni, P.; Murru, A.; Persia, F.; Solla, L. Crime Art on the Stone: Graffiti Vandalism on Cultural Heritage and the Anti-Graffiti Role in Its Surfaces Protection. In Proceedings of the Period. Mineral.; Edizioni Nuova Cultura, 2015; Vol. 84, pp. 435–452.
9.  
Amineddoleh, L.A. Cultural Heritage Vandalism and Looting: The Role of Terrorist Organizations, Public Institutions and Private Collectors. *Santand Art Cult. Law Rev.* **2015**, 2015, 27–62, doi:[10.4467/2450050XSR.15.012.4510](https://doi.org/10.4467/2450050XSR.15.012.4510).
10.  
Bargi, M.; Morigi, M.P.; Fontana, R.; Pampaloni, E.; Striova, J.; Salvadori, B. Efficiency Evaluation of Chemical and Physical Methods for the Removal of Spray Paints from Marble Substrates. In Proceedings of the IOP Conf. Ser. Mater. Sci. Eng.; IOP Publishing Ltd, 2020; Vol. 949.
11.  
Zakaria, N.N. Egypt's Cultural Heritage in Conflict Situations: Examination of Past and Present Impact. *Pol. Archaeol. Mediterr.* **2019**, 28, 521–550, doi:[10.31338/uw.2083-537X.pam28.2.29](https://doi.org/10.31338/uw.2083-537X.pam28.2.29).
12.  
Budabin, A.C. Heritage Politics in the Case of Black Lives Matter in Bolzano-Bozen, Italy. *Eur. J. Cult. Polit. Sociol.* **2023**, 10, 577–602, doi:[10.1080/23254823.2023.2169183](https://doi.org/10.1080/23254823.2023.2169183).
13.  
Azar, A.B.; Sari, A. Historical Arch Bridges-Deterioration and Restoration Techniques. *Civ. eng. j.* **2023**, 9, 1680–1696, doi:[10.28991/CEJ-2023-09-07-010](https://doi.org/10.28991/CEJ-2023-09-07-010).
14.  
Bastos, F.L. Legal implications of Street Art as a 'Democratized'/'open' Form of Art. *Revista. Opin. Jurid.* **2020**, 18, 210–230, doi:[10.12662/2447-6641oj.v18i28.p210-230.2020](https://doi.org/10.12662/2447-6641oj.v18i28.p210-230.2020).
15.  
Vella, C.; Bocancea, E.; Urban, T.M.; Knodell, A.R.; Tuttle, C.A.; Alcock, S.E. Looting and Vandalism around a World Heritage Site: Documenting Modern Damage to Archaeological Heritage in Petra's Hinterland. *J. Field Archeol.* **2015**, 40, 221–235, doi:[10.1179/0093469015Z.000000000119](https://doi.org/10.1179/0093469015Z.000000000119).
16.  
McKinnon, J.F. Memorialization, Graffiti and Artifact Movement: A Case Study of Cultural Impacts on WWII Underwater Cultural Heritage in the Commonwealth of the Northern Mariana Islands. *J. Marit. Archaeol.* **2015**, 10, 11–27, doi:[10.1007/s11457-015-9133-4](https://doi.org/10.1007/s11457-015-9133-4).
17.  
Bârcă, V. Positive and Negative Aspects in the Management of the Dacian Fortresses in the orĂștie Mountains Listed among Unesco World Heritage Sites. *J. Anc. Hist. Archaeol.* **2019**, 6, 108–148, doi:[10.14795/j.v6i1.385](https://doi.org/10.14795/j.v6i1.385).
18.  
Yates, D.; Bërziņa, D.; Wright, A. Protecting a Broken Window: Vandalism and Security at Rural Rock Art Sites. *Prof. Geogr.* **2022**, 74, 384–390, doi:[10.1080/00330124.2021.1957690](https://doi.org/10.1080/00330124.2021.1957690).
19.  
Percival, I.G. Protection and Preservation of Australia's Palaeontological Heritage. *Geoheritage* **2014**, 6, 205–216, doi:[10.1007/s12371-014-0106-z](https://doi.org/10.1007/s12371-014-0106-z).
20.  
Spiridon, P.; Sandu, I.; Stratulat, L. The Conscious Deterioration and Degradation of the Cultural Heritage. *Int. J. Conserv. Sci.* **2017**, 8, 81–88.
21.  
Bieczyński, M.M. The Nicosia Convention 2017: A New International Instrument Regarding Criminal Offences against Cultural Property. *Santand Art Cult. Law Rev.* **2017**, 3, 255–274, doi:[10.4467/2450050XSNR.17.017.8432](https://doi.org/10.4467/2450050XSNR.17.017.8432).

## Appendix 10

1.  
Winterbottom, T.; Leone, A.; Al Moubayed, N. A Deep Learning Approach to Fight Illicit Trafficking of Antiquities Using Artefact Instance Classification. *Sci. Rep.* **2022**, 12, doi:[10.1038/s41598-022-15965-2](https://doi.org/10.1038/s41598-022-15965-2).
2.  
Abate, D.; Agapiou, A.; Toumbas, K.; Lampropoulos, A.; Petrides, K.; Pierdicca, R.; Paolanti, M.; Di Stefano, F.; Felicetti, A.; Malinverni, E.S.; et al. Artificial Intelligence to Fight Illicit Trafficking of Cultural Property. In Proceedings of the Int. Arch. Photogramm., Remote Sens. Spat. Inf. Sci. - ISPRS Arch.; Tucci G., Balletti C., Bonora V., Fassi F., Spano A., Parisi E.L., Previtali M., Sammartano G., Eds.; International Society for Photogrammetry and Remote Sensing, 2023; Vol. 48, pp. 3–10.
3.  
Soares, A.D.; Villarroel, I.E. Brazil's International Cultural Heritage Obligations and the Potential Use of Alternative Dispute Resolution Mechanisms for Illicit Trafficking Disputes. *Santand Art Cult. Law Rev.* **2021**, 2021, 77–98, doi:[10.4467/2450050XSNR.21.019.15264](https://doi.org/10.4467/2450050XSNR.21.019.15264).
- 4.

- Casertano, L. Combating the Illicit Trafficking of Cultural Property: The Multifaceted Response to a Complex Challenge. *Global Jurist* **2020**, *20*, doi:[10.1515/gj-2019-0025](https://doi.org/10.1515/gj-2019-0025).
- 5.
- Levrard, N.E.; Cantar, N.; Endere, M.L. Comparative Analysis of Legislation on Illicit Trafficking of Cultural Property in Latin America and the Caribbean. *Bol.Mex.Dere.Comp.* **2022**, *55*, 121–165, doi:[10.22201/ijj.24484873e.2022.165.18608](https://doi.org/10.22201/ijj.24484873e.2022.165.18608).
- 6.
- Nomishan, T.S.; Tubi, P.-K.; Gubam, D.S. Cultural Heritage Management and the Effect of Corruption in Nigeria: Hampering Sustainable Development via Cultural Heritage Destruction. *J. Cult. Herit. Manage. Sustainable Dev.* **2023**, *13*, 662–684, doi:[10.1108/ICHMSD-12-2020-0175](https://doi.org/10.1108/ICHMSD-12-2020-0175).
- 7.
- Cherednychenko, A. Emergency Red List for Ukraine. *Santand Art Cult. Law Rev.* **2023**, *9*, 131–134, doi:[10.4467/2450050XSNR.23.009.18121](https://doi.org/10.4467/2450050XSNR.23.009.18121).
- 8.
- Stec, P.; Jagielska-Burduk, A. EU Cultural Security Law in an Educational Context. *Sustainability* **2021**, *13*, doi:[10.3390/su13073947](https://doi.org/10.3390/su13073947).
- 9.
- Patias, P.; Georgiadis, C. Fighting Illicit Trafficking of Cultural Goods—The ENIGMA Project. *Remote Sens.* **2023**, *15*, doi:[10.3390/rs15102579](https://doi.org/10.3390/rs15102579).
- 10.
- Almagro Vidal, A.; Tandon, A.; Eppich, R. First AID to Cultural Heritage. Training Initiatives on Rapid Documentation. In Proceedings of the Int. Arch. Photogramm., Remote Sens. Spat. Inf. Sci. - ISPRS Arch.; Weng K.-H., Cheng H.-M., Yen Y.-N., Eds.; International Society for Photogrammetry and Remote Sensing, 2015; Vol. 40, pp. 13–19.
- 11.
- Pilides, D. Illicit Trafficking of Cultural Objects: The Case of Cyprus. *Levant* **2023**, *55*, 275–284, doi:[10.1080/00758914.2023.2282268](https://doi.org/10.1080/00758914.2023.2282268).
- 12.
- Abdulkarim, M. Illicit Trafficking of Syrian Cultural Property. In Proceedings of the Unif. Law Rev.; Oxford University Press, 2015; Vol. 20, pp. 561–567.
- 13.
- Al-Ansi, A.; Han, H.; Loureiro, S.M.C. International Border Restrictions and Rules toward the Illicit Trafficking of Cultural Heritage in the Tourism Context: A Multi-Methods Approach. *J. Travel Tour. Mark.* **2021**, *38*, 974–990, doi:[10.1080/10548408.2021.2006860](https://doi.org/10.1080/10548408.2021.2006860).
- 14.
- Arroyave, F.J.; Petersen, A.M.; Jenkins, J.; Hurtado, R. Multiplex Networks Reveal Geographic Constraints on Illicit Wildlife Trafficking. *Appl. Netw. Sci.* **2020**, *5*, doi:[10.1007/s41109-020-00262-6](https://doi.org/10.1007/s41109-020-00262-6).
- 15.
- Vilá, C.S.Q. On the Borderline – Using National and International Legal Frameworks to Address the Traffic of Pre-Columbian Antiquities between Mexico and the United States. *Santand Art Cult. Law Rev.* **2021**, *2021*, 51–76, doi:[10.4467/2450050XSNR.21.018.15263](https://doi.org/10.4467/2450050XSNR.21.018.15263).
- 16.
- Mekonnen, H.; Bires, Z.; Berhanu, K. Practices and Challenges of Cultural Heritage Conservation in Historical and Religious Heritage Sites: Evidence from North Shoa Zone, Amhara Region, Ethiopia. *Herit. Sci.* **2022**, *10*, doi:[10.1186/s40494-022-00802-6](https://doi.org/10.1186/s40494-022-00802-6).
- 17.
- Abate, D.; Paolanti, M.; Pierdicca, R.; Lampropoulos, A.; Toumbas, K.; Agapiou, A.; Vergis, S.; Malinverni, E.; Petrides, K.; Felicetti, A.; et al. SIGNIFICANCE. STOP ILLICIT HERITAGE TRAFFICKING WITH ARTIFICIAL INTELLIGENCE. In Proceedings of the Int. Arch. Photogramm., Remote Sens. Spat. Inf. Sci. - ISPRS Arch.; Yilmaz A., Wegner J.D., Qin R., Remondino F., Fuse T., Toschi I., Eds.; International Society for Photogrammetry and Remote Sensing, 2022; Vol. 43, pp. 729–736.
- 18.
- Gruber, S. The Fight against the Illicit Trade in Asian Cultural Artefacts: Connecting International Agreements, Regional Co-Operation, and Domestic Strategies. *Asian J. Int. Law* **2013**, *3*, 341–363, doi:[10.1017/S2044251313000052](https://doi.org/10.1017/S2044251313000052).
- 19.
- Barceló, M.J. THE FOREIGN ACTION OF THE EUROPEAN UNION IN THE PROTECTION OF CULTURAL HERITAGE: SPECIAL REFERENCE TO THE COMMON SECURITY AND DEFENCE POLICY. *Revista Derecho Comunitario Europeo* **2022**, *2022*, 63–104, doi:[10.18042/cepc/rdce.71.03](https://doi.org/10.18042/cepc/rdce.71.03).
- 20.
- Araújo da Silveira, M.A.; Moura de Albuquerque, D.E. The Illicit Trafficking of Cultural Property from the IPHAN Database: An Analysis of the Rescued Cultural Goods. *Cienc. Inf.* **2023**, *52*, 66–76, doi:[10.18225/ci.inf.v52i1.6086](https://doi.org/10.18225/ci.inf.v52i1.6086).
- 21.
- van Heese, M. The Implementation of Directive 2014/60/EU in The Netherlands. *Santand Art Cult. Law Rev.* **2016**, *2016*, 103–118, doi:[10.4467/2450050XSR.16.021.6129](https://doi.org/10.4467/2450050XSR.16.021.6129).
- 22.
- Jakubowski, O. The Internal Market Information System (IMI) on the Return of Cultural Objects – Its Principles, Application, and Evaluation of Its Effectiveness for the Protection of Cultural Heritage. *Santand Art Cult. Law Rev.* **2016**, *2016*, 290–312, doi:[10.4467/2450050XSR.16.031.6139](https://doi.org/10.4467/2450050XSR.16.031.6139).

23.

Cameron, C. The UNESCO Imprimatur: Creating Global (in)Significance. *Int. J. Herit. Stud.* **2020**, *26*, 845–856, doi:[10.1080/13527258.2020.1746923](https://doi.org/10.1080/13527258.2020.1746923).

## Appendix 11

1.

Dithebe, K.; Aigbavboa, C.O.; Thwala, W.D.; Oke, A.E. Analysis on the Perceived Occurrence of Challenges Delaying the Delivery of Water Infrastructure Assets in South Africa. *J. Eng. Des. Technol.* **2019**, *17*, 554–571, doi:[10.1108/JEDT-10-2017-0101](https://doi.org/10.1108/JEDT-10-2017-0101).

2.

Barnard, S.; Croucamp, P. Comprehensive Political Risk Assessment of South Africa: 2014. *Probl. Perspect. Manage.* **2015**, *13*, 131-142and128.

3.

Al Hasani, M.; Tularam, G.A.; Regan, M. Impacts of Cultural Risk Factors on Project Success in the UAE Construction Industry. In Proceedings of the Proc. - Int. Congr. Model. Simul., MODSIM; Syme G., MacDonald D.H., Fulton B., Piantadosi J., Eds.; Modelling and Simulation Society of Australia and New Zealand Inc. (MSSANZ), 2017; pp. 160–166.

4.

Muhammed, N.; Koike, M.; Haque, F.; Miah, Md.D. Quantitative Assessment of People-Oriented Forestry in Bangladesh: A Case Study in the Tangail Forest Division. *J. Environ. Manage.* **2008**, *88*, 83–92, doi:[10.1016/j.jenvman.2007.01.029](https://doi.org/10.1016/j.jenvman.2007.01.029).

5.

Buzzetto, R.R.; Monteiro de Carvalho, M. The Arm-Wrestling Between Public and Private Partners: An Investigation of Critical Success Factors and Risk Allocation Preference in PPP Projects. *EMJ Eng Manage J* **2022**, *35*, 358–376, doi:[10.1080/10429247.2022.2131293](https://doi.org/10.1080/10429247.2022.2131293).

## Appendix 12

1.

Fadairo, O.; Calland, R.; Mulugetta, Y.; Olawoye, J. A Corruption Risk Assessment for Reducing Emissions from Deforestation and Forest Degradation in Nigeria. *Int. J. Clim. Change, Impacts Responses* **2018**, *10*, 1–21, doi:[10.18848/1835-7156/CGP/v10i01/1-21](https://doi.org/10.18848/1835-7156/CGP/v10i01/1-21).

2.

Alexander, D. An Evaluation of Medium-Term Recovery Processes after the 6 April 2009 Earthquake in L' Aquila, Central Italy. *Environ. Hazards* **2013**, *12*, 60–73, doi:[10.1080/17477891.2012.689250](https://doi.org/10.1080/17477891.2012.689250).

3.

Harris, R.B.; Cooney, R.; Leader-Williams, N. Application of the Anthropogenic Allee Effect Model to Trophy Hunting as a Conservation Tool. *Conserv. Biol.* **2013**, *27*, 945–951, doi:[10.1111/cobi.12115](https://doi.org/10.1111/cobi.12115).

4.

Rivera-Parra, J.L.; Beate, B.; Diaz, X.; Ochoa, M.B. Artisanal and Small Gold Mining and Petroleum Production as Potential Sources of Heavy Metal Contamination in Ecuador: A Call to Action. *Int. J. Environ. Res. Public Health* **2021**, *18*, 1–16, doi:[10.3390/ijerph18062794](https://doi.org/10.3390/ijerph18062794).

5.

Domracheva, L.; Karanina, E.; Bakhtimov, A.; Kochetkov, M. Audit of Economic Security as an Effective Tool to Prevent Corruption in a Construction Company. In Proceedings of the MATEC Web Conf.; Mottaeva A., Melovic B., Eds.; EDP Sciences, 2018; Vol. 193.

6.

Varela-Vaca, A.J.; Parody, L.; Gasca, R.M.; Gómez-López, M.T. Automatic Verification and Diagnosis of Security Risk Assessments in Business Process Models. *IEEE Access* **2019**, *7*, 26448–26465, doi:[10.1109/ACCESS.2019.2901408](https://doi.org/10.1109/ACCESS.2019.2901408).

7.

Parushina, N.V.; Lytneva, N.A.; Khanenko, M.E.; Starostin, M.G.; Klimoshenko, M.I. Budget Risks in the Management of Small Businesses in Rural Areas. In Proceedings of the IOP Conf. Ser. Earth Environ. Sci.; Kovalev I.V., Krasnoyarsk Science and Technology City Hall of the Russian Union of Scientific and Engineering Associations, 61 Uritskogo Street, Krasnoyarsk, Kovalev I.V., Krasnoyarsk State Agrarian University, 90 Mira Street, Krasnoyarsk, Pyzhikova N.I., Krasnoyarsk State Agrarian University, 90 Mira Street, Krasnoyarsk, Shaporova Z.E., Krasnoyarsk State Agrarian University, 90 Mira Street, Krasnoyarsk, Voroshilova A.A., Krasnoyarsk Science and Technology City Hall of the Russian Union of Scientific and Engineering Associations, 61 Uritskogo Street, Krasnoyarsk, Eds.; IOP Publishing Ltd, 2020; Vol. 548.

8.

Di Noi, C.; Ciroth, A.; Mancini, L.; Eynard, U.; Pennington, D.; Blengini, G.A. Can S-LCA Methodology Support Responsible Sourcing of Raw Materials in EU Policy Context? *Int. J. Life Cycle Assess.* **2020**, *25*, 332–349, doi:[10.1007/s11367-019-01678-8](https://doi.org/10.1007/s11367-019-01678-8).

9.

Wan Abdullah, W.M.T.; Ahmad, N.N.; Ariff, A.M. Combating Corruption for Sustainable Public Services in Malaysia: Smart Governance Matrix and Corruption Risk Assessment. *J. Sustainability Sci. Manage.* **2018**, 1–14.

10. Irvine, J.M.; Angelini, B.; Monteiro, A.; Turnquist, M.; Crystal, M. Combining Remote Sensing and Social Media Data to Predict Indicators of Political and Economic Instability. In Proceedings of the Proc SPIE Int Soc Opt Eng; Palaniappan K., Seetharaman G., Harguess J.D., Eds.; SPIE, 2023; Vol. 12525.
11. Semenova, N. Company Receptivity in Private Dialogue on Sustainability Risks. *Sustainability* **2020**, *12*, doi:[10.3390/su12020532](https://doi.org/10.3390/su12020532).
12. Wu, S.; Zhang, Y.; Yan, J. Comprehensive Assessment of Geopolitical Risk in the Himalayan Region Based on the Grid Scale. *Sustainability* **2022**, *14*, doi:[10.3390/su14159743](https://doi.org/10.3390/su14159743).
13. Le Masson, V. Considering Vulnerability in Disaster Risk Reduction Plans: From Policy to Practice in Ladakh, India. *Mt. Res. Dev.* **2015**, *35*, 104–114, doi:[10.1659/MRD-JOURNAL-D-14-00086.1](https://doi.org/10.1659/MRD-JOURNAL-D-14-00086.1).
14. Cheng, M.-Y.; Darsa, M.H. Construction Schedule Risk Assessment and Management Strategy for Foreign General Contractors Working in the Ethiopian Construction Industry. *Sustainability* **2021**, *13*, doi:[10.3390/su13147830](https://doi.org/10.3390/su13147830).
15. Cardoni, A.; Kiseleva, E.; De Luca, F. Continuous Auditing and Data Mining for Strategic Risk Control and Anticorruption: Creating “Fair” Value in the Digital Age. *Bus. Strategy Environ.* **2020**, *29*, 3072–3085, doi:[10.1002/bse.2558](https://doi.org/10.1002/bse.2558).
16. Tragnone, B.M.; Arzoumanidis, I.; D’Eusanio, M.; Petti, L. Contribution of the Product Social Impact Life Cycle Assessment (PSILCA) Database in Assessing the Risks and Opportunities of a Jar of Honey Production. *Int. J. Life Cycle Assess.* **2023**, *28*, 1054–1071, doi:[10.1007/s11367-023-02171-z](https://doi.org/10.1007/s11367-023-02171-z).
17. Rimšaitė, L. Corruption Risk Mitigation in Energy Sector: Issues and Challenges. *Energy Policy* **2019**, *125*, 260–266, doi:[10.1016/j.enpol.2018.10.066](https://doi.org/10.1016/j.enpol.2018.10.066).
18. Brenton-Rule, E.C.; Barbieri, R.F.; Lester, P.J. Corruption, Development and Governance Indicators Predict Invasive Species Risk from Trade. *Proc. R. Soc. B Biol. Sci.* **2016**, *283*, doi:[10.1098/rspb.2016.0901](https://doi.org/10.1098/rspb.2016.0901).
19. McLeod, A.; Dolezel, D. Cyber-Analytics: Modeling Factors Associated with Healthcare Data Breaches. *Decis Support Syst* **2018**, *108*, 57–68, doi:[10.1016/j.dss.2018.02.007](https://doi.org/10.1016/j.dss.2018.02.007).
20. Hussmann, K. Demystify False Dilemmas to Speak about Corruption in Health Systems: Different Actors, Different Perspectives, Different Strategies: Comment on “We Need to Talk about Corruption in Health Systems.” *Int J Health Policy Manag* **2019**, *8*, 620–622, doi:[10.15171/ijhpm.2019.61](https://doi.org/10.15171/ijhpm.2019.61).
21. Tian, R.; Yang, Z.; Shao, Q. Effects of Host Country Resource Endowment and Labor Cost on China’s Investment in Overseas Cultivated Land. *Environ. Sci. Pollut. Res.* **2020**, *27*, 45282–45296, doi:[10.1007/s11356-020-10373-3](https://doi.org/10.1007/s11356-020-10373-3).
22. Liu, P.; Wang, S. Evolutionary Game Analysis of Cold Chain Logistics Outsourcing of Fresh Food Enterprises with Operating Risks. *IEEE Access* **2020**, *8*, 127094–127103, doi:[10.1109/ACCESS.2020.3006730](https://doi.org/10.1109/ACCESS.2020.3006730).
23. Low, W.W.; Wong, K.S.; Lee, J.L. External Time-Influencing Risk Factors in Infrastructure Soft Soils Projects. In Proceedings of the IOP Conf. Ser. Mater. Sci. Eng.; Roy S., San Y.K., Eds.; IOP Publishing Ltd, 2020; Vol. 943.
24. Richter, C.D.; Samala, R.K.; Chan, H.-P.; Hadjiiski, L.; Cha, K. Generalization Error Analysis: Deep Convolutional Neural Network in Mammography. In Proceedings of the Progr. Biomed. Opt. Imaging Proc. SPIE; Mori K., Petrick N., Eds.; SPIE, 2018; Vol. 10575.
25. Zhang, Y.; Pang, M.; Dickens, B.L.; Edwards, D.P.; Carrasco, L.R. Global Hotspots of Conversion Risk from Multiple Crop Expansion. *Biol. Conserv.* **2021**, *254*, doi:[10.1016/j.biocon.2021.108963](https://doi.org/10.1016/j.biocon.2021.108963).
26. Pesotskiy, A.A.; Koscheyev, V.A.; Taranov, A.I. Globalization from the Standpoint of Economic Security of a Country and Its Regions: Some Aspects of Threat Systematization. In Proceedings of the IOP Conf. Ser. Earth Environ. Sci.; Solovev D.B., Ed.; IOP Publishing Ltd, 2021; Vol. 666.
27. Vian, T. High Stakes Require More than Just Talk: What to Do about Corruption in Health Systems: Comment on “We Need to Talk about Corruption in Health Systems.” *Int J Health Policy Manag* **2019**, *8*, 505–507, doi:[10.15171/ijhpm.2019.33](https://doi.org/10.15171/ijhpm.2019.33).
28. Baker, S.; Ayala-Orozco, B.; García-Frapolli, E. Hybrid, Public and Private Environmental Governance: The Case of Sustainable Coastal Zone Management in Quintana Roo, Mexico. *Int. J. Sustainable Dev. World Ecol.* **2020**, *27*, 625–637, doi:[10.1080/13504509.2020.1722764](https://doi.org/10.1080/13504509.2020.1722764).
- 29.

- Mohammed, R.M.A.; Mahlhal, A.H.; Ashour, H.K.; Hasan, H.F. IMPLEMENTATION OF INFORMATION TECHNOLOGY (IT) IN THE FINANCIAL REPORTING OF THE INFORMATION COSTING UNDER FINANCIAL RISKS: EMPLOYING A MODERN APPROACH. *East. Eur. J. Enterp. Technol.* **2022**, *3*, 37–43, doi:[10.15587/1729-4061.2022.259054](https://doi.org/10.15587/1729-4061.2022.259054).
- 30.
- Hassan, T.; Song, H.; Kirikkaleli, D. International Trade and Consumption-Based Carbon Emissions: Evaluating the Role of Composite Risk for RCEP Economies. *Environ. Sci. Pollut. Res.* **2022**, *29*, 3417–3437, doi:[10.1007/s11356-021-15617-4](https://doi.org/10.1007/s11356-021-15617-4).
- 31.
- Shahnazi, R.; Alimohammadlou, M. Investigating Risks in Renewable Energy in Oil-Producing Countries through Multi-Criteria Decision-Making Methods Based on Interval Type-2 Fuzzy Sets: A Case Study of Iran. *Renew. Energy* **2022**, *191*, 1009–1027, doi:[10.1016/j.renene.2022.04.051](https://doi.org/10.1016/j.renene.2022.04.051).
- 32.
- Zallé, O. Natural Resource Rents and Regime Durability: Identifying Cross-Country Durability Regimes. *Resour. Policy* **2023**, *81*, doi:[10.1016/j.resourpol.2023.103318](https://doi.org/10.1016/j.resourpol.2023.103318).
- 33.
- van der Heijden, J. Opportunities and Risks of the “New Urban Governance” in India: To What Extent Can It Help Addressing Pressing Environmental Problems? *J. Environ. Dev.* **2016**, *25*, 251–275, doi:[10.1177/1070496516642500](https://doi.org/10.1177/1070496516642500).
- 34.
- Kyryliuk, I.; Kyryliuk, Y.; Proshchalykina, A.; Zos-Kior, M.; Dovbush, V. ORGANISATIONAL AND ECONOMIC DRIVERS FOR SAFETY PROVISION AND QUALITY UPGRADING OF CORE LIVESTOCK PRODUCTS IN UKRAINE. *J. Hyg. Eng. Des.* **2021**, *36*, 49–66.
- 35.
- Jiang, W.; Martek, I. Political Risk Analysis of Foreign Direct Investment into the Energy Sector of Developing Countries. *J. Clean. Prod.* **2021**, *302*, doi:[10.1016/j.jclepro.2021.127023](https://doi.org/10.1016/j.jclepro.2021.127023).
- 36.
- Heydari, M.; Lai, K.K.; Shi, V.; Xiao, F. Public Health Risk Evaluation through Mathematical Optimization in the Process of PPPs. *Int. J. Environ. Res. Public Health* **2023**, *20*, doi:[10.3390/ijerph20021175](https://doi.org/10.3390/ijerph20021175).
- 37.
- Levitt, B.S.; Gawronski, V.T.; Hoberman, G.; Olson, R.S.; Sandoval, V. Public Perceptions of Code Enforcement and Safer Buildings in Latin America and the Caribbean. *Nat. Hazards Rev.* **2019**, *20*, doi:[10.1061/\(ASCE\)NH.1527-6996.0000333](https://doi.org/10.1061/(ASCE)NH.1527-6996.0000333).
- 38.
- Zhang, M.; Lang, J.; Zhang, J.; Shen, Q.; Wang, Y. Research on EPC Engineering Corruption Risk Prevention and Control Evaluation System. In Proceedings of the IOP Conf. Ser. Earth Environ. Sci.; Institute of Physics Publishing, 2020; Vol. 474.
- 39.
- Lin, J.-C.; Lee, J.-Y.; Liu, W.-Y. Risk Analysis of Regions with Suspicious Illegal Logging and Their Trade Flows. *Sustainability* **2021**, *13*, doi:[10.3390/su13063549](https://doi.org/10.3390/su13063549).
- 40.
- Khahro, S.H.; Ali, T.H.; Hassan, S.; Zainun, N.Y.; Javed, Y.; Memon, S.A. Risk Severity Matrix for Sustainable Public-Private Partnership Projects in Developing Countries. *Sustainability* **2021**, *13*, doi:[10.3390/su13063292](https://doi.org/10.3390/su13063292).
- 41.
- Lévy, J. Science + Space + Society: Urbanity and the Risk of Methodological Communalism in Social Sciences of Space. *Geogr. Helv.* **2014**, *69*, 99–114, doi:[10.5194/gh-69-99-2014](https://doi.org/10.5194/gh-69-99-2014).
- 42.
- Bilham, R. Societal and Observational Problems in Earthquake Risk Assessments and Their Delivery to Those Most at Risk. *Tectonophysics* **2013**, *584*, 166–173, doi:[10.1016/j.tecto.2012.03.023](https://doi.org/10.1016/j.tecto.2012.03.023).
- 43.
- Maes, J.; Molombe, J.M.; Mertens, K.; Parra, C.; Poesen, J.; Che, V.B.; Kervyn, M. Socio-Political Drivers and Consequences of Landslide and Flood Risk Zonation: A Case Study of Limbe City, Cameroon. *Environ. Plann. C Pol. and Space* **2019**, *37*, 707–731, doi:[10.1177/2399654418790767](https://doi.org/10.1177/2399654418790767).
- 44.
- Zhang, C.; Xiao, C.; Liu, H. Spatial Big Data Analysis of Political Risks along the Belt and Road. *Sustainability* **2019**, *11*, doi:[10.3390/su11082216](https://doi.org/10.3390/su11082216).
- 45.
- Zhang, B.; Li, J.; Tian, W.; Chen, H.; Kong, X.; Chen, W.; Zhao, M.; Xia, X. Spatio-Temporal Variances and Risk Evaluation of Land Finance in China at the Provincial Level from 1998 to 2017. *Land Use Policy* **2020**, *99*, doi:[10.1016/j.landusepol.2020.104804](https://doi.org/10.1016/j.landusepol.2020.104804).
- 46.
- Niczyporuk, H.; Urpelainen, J. Taking a Gamble: Chinese Overseas Energy Finance and Country Risk. *J. Clean. Prod.* **2021**, *281*, doi:[10.1016/j.jclepro.2020.124993](https://doi.org/10.1016/j.jclepro.2020.124993).
- 47.
- Weismann, M.F.; Buscaglia, C.A.; Peterson, J. The Foreign Corrupt Practices Act: Why It Fails to Deter Bribery as a Global Market Entry Strategy. *J. Bus. Ethics* **2014**, *123*, 591–619, doi:[10.1007/s10551-013-2012-8](https://doi.org/10.1007/s10551-013-2012-8).
- 48.
- Imperiale, A.J.; Vanclay, F. The Mechanism of Disaster Capitalism and the Failure to Build Community Resilience: Learning from the 2009 Earthquake in L’Aquila, Italy. *Disasters* **2021**, *45*, 555–576, doi:[10.1111/disa.12431](https://doi.org/10.1111/disa.12431).
- 49.

- Ferreira, J.J.; Gomes, S.; Lopes, J.M.; Zhang, J.Z. Ticking Time Bombs: The MENA and SSA Regions' Geopolitical Risks. *Resour. Policy* **2023**, *85*, doi:[10.1016/j.resourpol.2023.103938](https://doi.org/10.1016/j.resourpol.2023.103938).
50.  
Sitompul, Y. Upstream Oil Industry Country Attractiveness Assessment by Integrating Potential Value and Risk. In Proceedings of the Soc. Pet. Eng. - SPE/IATMI Asia Pac. Oil Gas Conf. Exhib., APOGCE; Society of Petroleum Engineers, 2015.
51.  
Sivakov, D.O.; Sevalnev, V.V.; Truntsevsky, Y.V. Use and Protection of Water Bodies: Corruption Cases. In Proceedings of the E3S Web Conf.; Muratov A., Ignateva S., Eds.; EDP Sciences, 2020; Vol. 203.
52.  
Caripis, L.; Shaw, A.; Skok, A. Using Risk Assessments to Address Corruption in Mining. *Miner. Econ.* **2019**, *32*, 251–253, doi:[10.1007/s13563-018-0157-8](https://doi.org/10.1007/s13563-018-0157-8).
53.  
Tragnone, B.M.; Serreli, M.; Arzoumanidis, I.; Pelino, C.A.; Petti, L. Using the Product Social Impact Life Cycle Assessment (PSILCA) Database for Product Comparison: Confetti Case Study. *Int. J. Life Cycle Assess.* **2023**, *28*, 1031–1053, doi:[10.1007/s11367-023-02173-x](https://doi.org/10.1007/s11367-023-02173-x).
54.  
Lee, S.; Okazumi, T.; Kwak, Y.; Takeuchi, K. Vulnerability Proxy Selection and Risk Calculation Formula for Global Flood Risk Assessment: A Preliminary Study. *Water Policy* **2015**, *17*, 8–25, doi:[10.2166/wp.2014.158](https://doi.org/10.2166/wp.2014.158).
55.  
Søndergaard, N.; Barros-Platiau, A.F.; Park, H. When Only China Wants to Play: Institutional Turmoil and Chinese Investment in Brazil. *Revista Brasileira Política Internacional* **2022**, *65*, doi:[10.1590/0034-7329202200220](https://doi.org/10.1590/0034-7329202200220).
56.  
Liang, L.-L.; Mirelman, A.J. Why Do Some Countries Spend More for Health? An Assessment of Sociopolitical Determinants and International Aid for Government Health Expenditures. *Soc. Sci. Med.* **2014**, *114*, 161–168, doi:[10.1016/j.socscimed.2014.05.044](https://doi.org/10.1016/j.socscimed.2014.05.044).

## Appendix 13

1.  
Cordasco, G.; Malandrino, D.; Pirozzi, D.; Scarano, V.; Spagnuolo, C. A Layered Architecture for Open Data: Design, Implementation and Experiences. In Proceedings of the ACM Int. Conf. Proc. Ser.; Soares D., Kankanalli I., Ojo A., Eds.; Association for Computing Machinery, 2018; pp. 371–381.
2.  
Al Daia, R.; Khayr Yaacoub, H. Beirut Port Blast: An Escapable Disaster in More than One Way. *Emerald Emerg. Mark. Case Stud.* **2021**, *11*, 1–16, doi:[10.1108/EEMCS-10-2020-0388](https://doi.org/10.1108/EEMCS-10-2020-0388).
3.  
Baker, R.W. Breaking Windows: In the Neighbourhood and in Iraq. *Int. J. Contemp. Iraqi Studies* **2015**, *9*, 83–104, doi:[10.1386/ijcis.9.2.83\\_1](https://doi.org/10.1386/ijcis.9.2.83_1).
4.  
van de Sand, T. Charter Cities: Development Model or Neocolonialism? *Period Polytech Soc. Manage. Sci.* **2019**, *27*, 180–187, doi:[10.3311/PPso.13051](https://doi.org/10.3311/PPso.13051).
5.  
Nomishan, T.S.; Tubi, P.-K.; Gubam, D.S. Cultural Heritage Management and the Effect of Corruption in Nigeria: Hampering Sustainable Development via Cultural Heritage Destruction. *J. Cult. Herit. Manage. Sustainable Dev.* **2023**, *13*, 662–684, doi:[10.1108/JCHMSD-12-2020-0175](https://doi.org/10.1108/JCHMSD-12-2020-0175).
6.  
Prescott, C.; Rasmussen, J.M. Exploring the “Cozy Cabal of Academics, Dealers and Collectors” through the Schøyen Collection. *Heritage*. **2020**, *3*, 68–97, doi:[10.3390/heritage3010005](https://doi.org/10.3390/heritage3010005).
7.  
Bertazzo Tobar, F.; Ramshaw, G. Fields of Corruption: Heritage and Politics in Brazilian Football. *Int. J. Sport Policy* **2022**, *14*, 453–469, doi:[10.1080/19406940.2022.2062425](https://doi.org/10.1080/19406940.2022.2062425).
8.  
Paul Mmahi, O.; Usman, A. “Hunting Is Our Heritage; We Commit No Offence”: Kainji National Park Wildlife Poachers, Kaiama, Kwara State Nigeria. *Deviant Behav.* **2020**, *41*, 1510–1523, doi:[10.1080/01639625.2019.1629537](https://doi.org/10.1080/01639625.2019.1629537).
9.  
Olise, F.P. ICTs and Indigenous Languages as Agents for the Actualization of Millennium Development Goals in Nigeria. *Int. J. Inf. Commun. Technol. Educ.* **2013**, *9*, 79–87, doi:[10.4018/jicte.2013040107](https://doi.org/10.4018/jicte.2013040107).
10.  
Khosravi, M.; Amiri, M.; Faghih, N. Ideology and Ethics of Transitional Entrepreneurs: Legitimacy, Soft Law, and Overcoming a Distressed Economy. *New. Engl. J. Entrep.* **2023**, *26*, 152–171, doi:[10.1108/NEJE-10-2022-0095](https://doi.org/10.1108/NEJE-10-2022-0095).
- 11.

- Papadopoulos, S.; Drosou, A.; Tzovaras, D. Modelling of Material Ageing with Generative Adversarial Networks. In Proceedings of the IEEE Image, Video, Multidimens. Signal Process. Workshop, IVMS - Proc.; Institute of Electrical and Electronics Engineers Inc., 2018.
12.  
Balarijshvili, I. Non-Childhood Disease of “Informality” in Georgia: Role of Elites. *Bull. Georgian Natl. Acad. Sci.* **2018**, *12*, 155–162.
13.  
Vavra, J.; Bednarikova, M.; Munzarova, S.; Tetrevoval, L. Relevant CSR Activities for Strengthening Social Profile of Metallurgical Company. In Proceedings of the METAL - Anniv. Int. Conf. Metall. Mater., Conf. Proc.; TANGER Ltd., 2016; pp. 2061–2068.
14.  
Lin, L.; Duan, H.; Cai, W. Web3DP: A Crowdsourcing Platform for 3D Models Based on Web3 Infrastructure. In Proceedings of the MMSys - Proc. ACM Multimed. Syst. Conf.; Association for Computing Machinery, Inc, 2023; pp. 397–402.

## Appendix 14

1.  
Cerreta, M.; Elefante, A.; La Rocca, L. A Creative Living Lab for the Adaptive Reuse of the Morticelli Church: The Ssmoll Project. *Sustainability* **2020**, *12*, 1–20, doi:[10.3390/su122410561](https://doi.org/10.3390/su122410561).
2.  
Wijesiri, W.M.M.; Devapriya, K.A.K.; Rathnasiri, P.; Wickremanayake Karunaratne, T.L. A Framework to Implement Green Adaptive Reuse for Existing Buildings in Sri Lanka. *Intelligent Build. Int.* **2022**, *14*, 581–605, doi:[10.1080/17508975.2021.1906204](https://doi.org/10.1080/17508975.2021.1906204).
3.  
Gravagnuolo, A.; Micheletti, S.; Bosone, M. A Participatory Approach for “Circular” Adaptive Reuse of Cultural Heritage. Building a Heritage Community in Salerno, Italy. *Sustainability* **2021**, *13*, doi:[10.3390/su13094812](https://doi.org/10.3390/su13094812).
4.  
Amalina Hanapi, N.; Khaulah Sa’Adah Wan Zulkipli, W.; Asyraf Mohd Rodzi, K. A Performance-Based Framework to Prioritize Adaptive Reuse Gallery: A Review on Sustainable Industrial Heritage Building in Malaysia & Australia. In Proceedings of the IOP Conf. Ser. Earth Environ. Sci.; Rahmat S.N., Rahman N.A., Termida N.A., Khamidun M.H., Jailani J., Talib Z.A., Noor N.M., Samsudin E.M., bin Sabil A., Buhari R., Mohd Siraj S.M., Yaman S.K., Eds.; Institute of Physics, 2022; Vol. 1022.
5.  
Della Spina, L. A Prefeasibility Study for the Adaptive Reuse of Cultural Historical Landscapes as Drivers and Enablers of Sustainable Development. *Sustainability* **2023**, *15*, doi:[10.3390/su151512019](https://doi.org/10.3390/su151512019).
6.  
Suminar, L.; Aliyah, I.; Pratama, K.F. A Review of Adaptive Reuse of Urban Heritage: Relevant Lesson from Semarang Old Town, Indonesia. In Proceedings of the IOP Conf. Ser. Earth Environ. Sci.; Institute of Physics, 2023; Vol. 1186.
7.  
Ismaeel, W.S.E.; Mohamed, A.G. A Structural Equation Modelling Paradigm for Eco-Rehabilitation and Adaptive Reuse of Cultural Heritage Buildings. *Build. Environ.* **2023**, *242*, doi:[10.1016/j.buildenv.2023.110604](https://doi.org/10.1016/j.buildenv.2023.110604).
8.  
Soewarno, N.; Hidjaz, T.; Viridianti, E. Adaptive Reuse as an Effort to Preserve an Historical District: A Case Study of the Braga Corridor in the City Centre of Bandung, Indonesia. *WIT Trans. Ecol. Environ.* **2017**, *223*, 89–100, doi:[10.2495/SC170081](https://doi.org/10.2495/SC170081).
9.  
Elsorady, D.A. Adaptive Reuse Decision Making of a Heritage Building Antoniadis Palace, Egypt. *Int. J. Archit. Herit.* **2020**, *14*, 658–677, doi:[10.1080/15583058.2018.1558313](https://doi.org/10.1080/15583058.2018.1558313).
10.  
Vardopoulos, I. Adaptive Reuse for Sustainable Development and Land Use: A Multivariate Linear Regression Analysis Estimating Key Determinants of Public Perceptions. *Heritage*. **2023**, *6*, 809–828, doi:[10.3390/heritage6020045](https://doi.org/10.3390/heritage6020045).
11.  
Tam, V.W.Y.; Fung, I.W.H.; Sing, M.C.P. Adaptive Reuse in Sustainable Development: An Empirical Study of a Lui Seng Chun Building in Hong Kong. *Renewable Sustainable Energy Rev* **2016**, *65*, 635–642, doi:[10.1016/j.rser.2016.07.014](https://doi.org/10.1016/j.rser.2016.07.014).
12.  
Kahvecioğlu, B.; Arslan Selçuk, S. Adaptive Reuse in the Realm of Architecture: Global Research Trends and Gaps for the Future Studies. *Sustainability* **2023**, *15*, doi:[10.3390/su15139971](https://doi.org/10.3390/su15139971).
13.  
Yoon, J.; Lee, J. Adaptive Reuse of Apartments as Heritage Assets in the Seoul Station Urban Regeneration Area. *Sustainability* **2019**, *11*, doi:[10.3390/su11113124](https://doi.org/10.3390/su11113124).
14.  
Sowińska-Heim, J. Adaptive Reuse of Architectural Heritage and Its Role in the Post-Disaster Reconstruction of Urban Identity: Post-Communist Łódź. *Sustainability* **2020**, *12*, 1–21, doi:[10.3390/su12198054](https://doi.org/10.3390/su12198054).
15.  
Kee, T.; Chau, K.W. Adaptive Reuse of Heritage Architecture and Its External Effects on Sustainable Built Environment – Hedonic Pricing Model and Case Studies in Hong Kong. *Sustainable Dev.* **2020**, *28*, 1597–1608, doi:[10.1002/sd.2108](https://doi.org/10.1002/sd.2108).

16. Vidyullatha, R.J.; Kumar, G.V.; Dileep, G. Adaptive Reuse of Heritage Buildings for Sustainable Urban Regeneration: Two Case Studies from India. *ISVS E-J.* **2023**, *10*, 290–313, doi:[10.61275/ISVSej-2023-10-08-20](https://doi.org/10.61275/ISVSej-2023-10-08-20).
17. Günçe, K.; Misirlisoy, D. Adaptive Reuse of Military Establishments as Museums: Conservation vs. Museography. In *Proceedings of the WIT Trans. Built Environ.*; WITPress, 2014; Vol. 143, pp. 125–136.
18. Fabi, V.; Vettori, M.P.; Faroldi, E. Adaptive Reuse Practices and Sustainable Urban Development: Perspectives of Innovation for European Historic Spa Towns. *Sustainability* **2021**, *13*, doi:[10.3390/su13105531](https://doi.org/10.3390/su13105531).
19. Della Spina, L. Adaptive Sustainable Reuse for Cultural Heritage: A Multiple Criteria Decision Aiding Approach Supporting Urban Development Processes. *Sustainability* **2020**, *12*, doi:[10.3390/su12041363](https://doi.org/10.3390/su12041363).
20. Bottero, M.; D'Alpaos, C.; Marellò, A. An Application of the a'WOT Analysis for the Management of Cultural Heritage Assets: The Case of the Historical Farmhouses in the Aglie Castle (Turin). *Sustainability* **2020**, *12*, doi:[10.3390/su12031071](https://doi.org/10.3390/su12031071).
21. Kaya, D.I.; Pintossi, N.; Dane, G. An Empirical Analysis of Driving Factors and Policy Enablers of Heritage Adaptive Reuse within the Circular Economy Framework. *Sustainability* **2021**, *13*, 1–25, doi:[10.3390/su13052479](https://doi.org/10.3390/su13052479).
22. Cucco, P.; Maselli, G.; Nesticò, A.; Ribera, F. An Evaluation Model for Adaptive Reuse of Cultural Heritage in Accordance with 2030 SDGs and European Quality Principles. *J. Cult. Heritage* **2023**, *59*, 202–216, doi:[10.1016/j.culher.2022.12.002](https://doi.org/10.1016/j.culher.2022.12.002).
23. Torrieri, F.; Fumo, M.; Sarnataro, M.; Ausiello, G. An Integrated Decision Support System for the Sustainable Reuse of the Former Monastery of “Ritiro Del Carmine” in Campania Region. *Sustainability* **2019**, *11*, doi:[10.3390/su11195244](https://doi.org/10.3390/su11195244).
24. Pintossi, N.; Ikiz Kaya, D.; Pereira Roders, A. Assessing Cultural Heritage Adaptive Reuse Practices: Multi-Scale Challenges and Solutions in Rijeka. *Sustainability* **2021**, *13*, doi:[10.3390/su13073603](https://doi.org/10.3390/su13073603).
25. Günçe, K.; Misirlisoy, D. Assessment of Adaptive Reuse Practices through User Experiences: Traditional Houses in The walled City of Nicosia. *Sustainability* **2019**, *11*, doi:[10.3390/su11020540](https://doi.org/10.3390/su11020540).
26. Danieli, L.; Ghirardi, S. Can Artistic Research and New Technology Contribute to Sustainable Development? Acting on Participatory Management and Urban Regeneration Policies to Promote Investment for Sustainable Growth. *Int. J. Arts Technol.* **2023**, *14*, 283–297, doi:[10.1504/IJART.2023.133663](https://doi.org/10.1504/IJART.2023.133663).
27. Iodice, S.; De Toro, P.; Bosone, M. Circular Economy and Adaptive Reuse of Historical Buildings: An Analysis of the Dynamics Between Real Estate and Accommodation Facilities in the City of Naples (Italy). *Aestimum* **2020**, *2020*, 103–124, doi:[10.13128/aestim-8476](https://doi.org/10.13128/aestim-8476).
28. Foster, G. Circular Economy Strategies for Adaptive Reuse of Cultural Heritage Buildings to Reduce Environmental Impacts. *Resour. Conserv. Recycl.* **2020**, *152*, doi:[10.1016/j.resconrec.2019.104507](https://doi.org/10.1016/j.resconrec.2019.104507).
29. Fava, F. Commoning Adaptive Heritage Reuse as a Driver of Social Innovation. Naples and the Scugnizzo Liberato Case Study. *Sustainability* **2022**, *14*, doi:[10.3390/su14010191](https://doi.org/10.3390/su14010191).
30. AbuOwda, Z.; Aslan, Z.; Rjoub, A. Conservation of Dry-Stone Structures: A Practical Study on the Al-Makhrou' Watchtowers. *Landscape History* **2023**, *44*, 121–142, doi:[10.1080/01433768.2023.2196127](https://doi.org/10.1080/01433768.2023.2196127).
31. Lens, K.; Plevoets, B.; Van Cleempoel, K. Conservation of Monasteries by Adaptive Reuse: The Added Value of Typology and Morphology. In *Proceedings of the WIT Trans. Built Environ.*; 2013; Vol. 131, pp. 111–121.
32. Berkay, E.; Oktay Vehbi, B. Conservation Proposals for Monasteries in Karpas Peninsula, Northern Cyprus. *Sustainability* **2022**, *14*, doi:[10.3390/su142316070](https://doi.org/10.3390/su142316070).
33. Mei, Q. Constructing New Meanings of Chinese Architectural Heritage in the World Heritage Sites of Malacca Straits. *Built Herit.* **2017**, *1*, 26–35, doi:[10.1186/BF03545667](https://doi.org/10.1186/BF03545667).
34. Vardopoulos, I. Critical Sustainable Development Factors in the Adaptive Reuse of Urban Industrial Buildings. A Fuzzy DEMATEL Approach. *Sustainable Cities Soc.* **2019**, *50*, doi:[10.1016/j.scs.2019.101684](https://doi.org/10.1016/j.scs.2019.101684).
35. De Medici, S.; De Toro, P.; Nocca, F. Cultural Heritage and Sustainable Development: Impact Assessment of Two Adaptive Reuse Projects in Siracusa, Sicily. *Sustainability* **2020**, *12*, doi:[10.3390/su12010311](https://doi.org/10.3390/su12010311).
36. Berg, S.K. Cultural Heritage as a Resource for Property Development. *Hist. Environ. Policy Pract.* **2017**, *8*, 304–322, doi:[10.1080/17567505.2017.1399582](https://doi.org/10.1080/17567505.2017.1399582).
- 37.

- Madandola, M.; Boussaa, D. Cultural Heritage Tourism as a Catalyst for Sustainable Development; the Case of Old Oyo Town in Nigeria. *Int. J. Herit. Stud.* **2023**, *29*, 21–38, doi:[10.1080/13527258.2023.2169332](https://doi.org/10.1080/13527258.2023.2169332).
38. Hidalgo-Sánchez, F.M.; Carrascal-Pérez, M.F.; Rey-Pérez, J.; Plaza, C.; Mascort-Albea, E.J. Cultural Heritage, Sustainability, Conservation, and Social Welfare. A Management Plan for the Historic Municipal Buildings of Seville (Andalusia, Spain). *Hist. Environ. Policy Pract.* **2022**, *13*, 426–458, doi:[10.1080/17567505.2022.2146332](https://doi.org/10.1080/17567505.2022.2146332).
39. Clarke, N.J.; Kuipers, M.C.; Roos, J. Cultural Resilience and the Smart and Sustainable City: Exploring Changing Concepts on Built Heritage and Urban Redevelopment. *Smart Sustain. Built Environ.* **2020**, *9*, 144–155, doi:[10.1108/SASBE-09-2017-0041](https://doi.org/10.1108/SASBE-09-2017-0041).
40. Misirlisoy, D.; Günçe, K. Defence Heritage as a Cultural Heritage Tourism Resource: Case of Cyprus. *Int. J. Sustainable Dev. Plann.* **2021**, *16*, 741–750, doi:[10.18280/ijstdp.160414](https://doi.org/10.18280/ijstdp.160414).
41. Silvana, S.; Fitri, I. Designing Adaptive Reuse Strategy for the Ex-Deli Tobacco Hospital in Medan, North Sumatra. In Proceedings of the IOP Conf. Ser. Earth Environ. Sci.; Lakawa A., Rosnarti D., Karista A.J., Abdullah A.G., Widiaty I., Abdulllah C.U., Eds.; IOP Publishing Ltd, 2021; Vol. 780.
42. Karakul, Ö. Designing the Museum of Turkey's Intangible Cultural Heritage: A Studio Experience of Interior Architectural Design. *Milli Folk.* **2018**, *2018*, 140–157.
43. De Gregorio, S.; De Vita, M.; De Berardinis, P.; Palmero, L.; Risdonne, A. Designing the Sustainable Adaptive Reuse of Industrial Heritage to Enhance the Local Context. *Sustainability* **2020**, *12*, 1–20, doi:[10.3390/su12219059](https://doi.org/10.3390/su12219059).
44. Tai, N.-C. Digital Archiving of the Spatial Experience of Cultural Heritage Sites with Ancient Lighting. *J. Comput. Cult. Heritage* **2023**, *16*, doi:[10.1145/3589229](https://doi.org/10.1145/3589229).
45. Ronzino, P.; Toth, A.; Falcidieno, B. Documenting the Structure and Adaptive Reuse of Roman Amphitheatres through the CIDOC CRMba Model. *J. Comput. Cult. Heritage* **2022**, *15*, doi:[10.1145/3485466](https://doi.org/10.1145/3485466).
46. Dell'ovo, M.; Dell'anna, F.; Simonelli, R.; Sdino, L. Enhancing the Cultural Heritage through Adaptive Reuse. A Multicriteria Approach to Evaluate the Castello Visconteo in Cusago (Italy). *Sustainability* **2021**, *13*, doi:[10.3390/su13084440](https://doi.org/10.3390/su13084440).
47. Pérez, A.J.Y. Evaluating Adaptive Reuse Alternatives of a Multi-Layered Port City Acre, Israel. *Spool* **2021**, *8*, 49–80, doi:[10.7480/spool.2021.1.5903](https://doi.org/10.7480/spool.2021.1.5903).
48. Bazazzadeh, H.; Nadolny, A.; Attarian, K.; Safar Ali Najjar, B.; Hashemi Safaei, S.S. EVALUATING THE ATTRIBUTE OF INDUSTRIAL HERITAGE IN URBAN CONTEXT ON NATURAL MOVEMENT DISTRIBUTION. THE CASE STUDY OF DEZFUL CITY. *Int. J. Conserv. Sci.* **2022**, *13*, 579–592.
49. Amro, D.K.; Sukkar, A.; Yahia, M.W.; Abukeshek, M.K. Evaluating the Cultural Sustainability of the Adaptive Reuse of Al-Nabulsi Traditional House into a Cultural Center in Irbid, Jordan. *Sustainability* **2023**, *15*, doi:[10.3390/su151713198](https://doi.org/10.3390/su151713198).
50. Gravagnuolo, A.; Angrisano, M.; Nativo, M. Evaluation of Environmental Impacts of Historic Buildings Conservation through Life Cycle Assessment in a Circular Economy Perspective. *Aestimum* **2020**, *2020*, 241–272, doi:[10.13128/aestim-10004](https://doi.org/10.13128/aestim-10004).
51. Roszczyńska-Kurasińska, M.; Domaradzka, A.; Ślosarski, B.; Żbikowska, A. Facebook Data as Part of Cultural Heritage Investments Toolbox: Pilot Analysis of Users Interests and Preferences Concerning Adaptive Reuse. *Sustainability* **2021**, *13*, 1–15, doi:[10.3390/su13042410](https://doi.org/10.3390/su13042410).
52. Tu, C.Y.; Fu, C.C. From a Military Seaplane Base to an International Circuit: A Study of Toko Seaplane Base as a Controversial Heritage Site. In Proceedings of the WIT Trans. Built Environ.; WITPress, 2014; Vol. 143, pp. 137–147.
53. Embaby, M.E. Heritage Conservation and Architectural Education: “An Educational Methodology for Design Studios.” *HBRC J.* **2014**, *10*, 339–350, doi:[10.1016/j.hbrj.2013.12.007](https://doi.org/10.1016/j.hbrj.2013.12.007).
54. Plevoets, B. Heritage in Fragments: On Spolia and Other Forms of Preservation of Architectural Fragments through Reuse. *J. Archit. Conserv.* **2022**, *28*, 145–159, doi:[10.1080/13556207.2022.2026737](https://doi.org/10.1080/13556207.2022.2026737).
55. Niemczewska, Z.E. How to Assess the Impact of Commercially Reused Immovable Cultural Heritage on Local, Sustainable Development in a Holistic Way? *J. Cult. Herit. Manage. Sustainable Dev.* **2021**, *11*, 553–579, doi:[10.1108/ICHMSD-07-2019-0089](https://doi.org/10.1108/ICHMSD-07-2019-0089).
56. Pintossi, N.; Ikiz Kaya, D.; Pereira Roders, A. Identifying Challenges and Solutions in Cultural Heritage Adaptive Reuse through the Historic Urban Landscape Approach in Amsterdam. *Sustainability* **2021**, *13*, doi:[10.3390/su13105547](https://doi.org/10.3390/su13105547).
57. Salerno, E. Identifying Value-Increasing Actions for Cultural Heritage Assets through Sensitivity Analysis of Multicriteria Evaluation Results. *Sustainability* **2020**, *12*, 1–13, doi:[10.3390/su12219238](https://doi.org/10.3390/su12219238).

58. Bosone, M.; De Toro, P.; Girard, L.F.; Gravagnuolo, A.; Iodice, S. Indicators for Ex-post Evaluation of Cultural Heritage Adaptive Reuse Impacts in the Perspective of the Circular Economy. *Sustainability* **2021**, *13*, doi:[10.3390/su13094759](https://doi.org/10.3390/su13094759).
59. Vardopoulos, I. Industrial Building Adaptive Reuse for Museum. Factors Affecting Visitors' Perceptions of the Sustainable Urban Development Potential. *Build. Environ.* **2022**, *222*, doi:[10.1016/j.buildenv.2022.109391](https://doi.org/10.1016/j.buildenv.2022.109391).
60. Pickerill, T. Investment Leverage for Adaptive Reuse of Cultural Heritage. *Sustainability* **2021**, *13*, doi:[10.3390/su13095052](https://doi.org/10.3390/su13095052).
61. Ukabi, E.B.; Özsağ Akçay, A. LOCALIZATION OF NEW DESIGN PRINCIPLES IN HISTORIC ENVIRONMENTS FOR SUSTAINABLE CONSERVATION TO CURB FORGERY DESIGN EXPRESSIONS. *New Des. Ideas* **2023**, *7*, 476–497.
62. Vehbi, B.O.; Günçe, K.; Iranmanesh, A. Multi-Criteria Assessment for Defining Compatible New Use: Old Administrative Hospital, Kyrenia, Cyprus. *Sustainability* **2021**, *13*, 1–20, doi:[10.3390/su13041922](https://doi.org/10.3390/su13041922).
63. Ragheb, G.A. Multi-Criteria Decision Making of Sustainable Adaptive Reuse of Heritage Buildings Based on the A'WOT Analysis: A Case Study of Cordahi Complex, Alexandria, Egypt. *Int. J. Sustainable Dev. Plann.* **2021**, *16*, 485–495, doi:[10.18280/IJSDP.160309](https://doi.org/10.18280/IJSDP.160309).
64. Jensen, L.B.; Bergeron, E. Narratives and HVAC Systems - Why Universities Demolish and Refurbish Buildings. In Proceedings of the IOP Conf. Ser. Earth Environ. Sci.; Institute of Physics, 2022; Vol. 1085, p. 65DUMMY.
65. Balocco, C.; Cecchi, M.; Volante, G. Natural Lighting for Sustainability of Cultural Heritage Refurbishment. *Sustainability* **2019**, *11*, doi:[10.3390/su11184842](https://doi.org/10.3390/su11184842).
66. Kip, M.; Oevermann, H. Neighbourhood Revitalisation and Heritage Conservation through Adaptive Reuse: Assessing Instruments for Commoning. *Hist. Environ. Policy Pract.* **2022**, *13*, 242–266, doi:[10.1080/17567505.2022.2068255](https://doi.org/10.1080/17567505.2022.2068255).
67. Radosavljević, U.; Dordević, A.; Lalović, K.; Živković, J.; Dukanović, Z. Nodes and Networks: The Generative Role of Cultural Heritage for Urban Revival in Kikinda. *Sustainability* **2019**, *11*, doi:[10.3390/su11092509](https://doi.org/10.3390/su11092509).
68. Vythoulka, A.; Delegou, E.T.; Caradimas, C.; Moropoulou, A. Protection and Revealing of Traditional Settlements and Cultural Assets, as a Tool for Sustainable Development: The Case of Kythera Island in Greece. *Land* **2021**, *10*, doi:[10.3390/land10121324](https://doi.org/10.3390/land10121324).
69. Bottero, M.; D'Alpaos, C.; Oppio, A. Ranking of Adaptive Reuse Strategies for Abandoned Industrial Heritage in Vulnerable Contexts: A Multiple Criteria Decision Aiding Approach. *Sustainability* **2019**, *11*, doi:[10.3390/su11030785](https://doi.org/10.3390/su11030785).
70. Chadijah, S.; Fajarwati, A.A.S. Re-Programming Sa'o, Pursuing Sustainable Architecture in Ngada Traditional House: A Recommendation. In Proceedings of the IOP Conf. Ser. Earth Environ. Sci.; Institute of Physics Publishing, 2020; Vol. 426.
71. Acri, M.; Dobričić, S.; Debevec, M. Regenerating the Historic Urban Landscape through Circular Bottom-up Actions: The Urban Seeding Process in Rijeka. *Sustainability* **2021**, *13*, doi:[10.3390/su13084497](https://doi.org/10.3390/su13084497).
72. Khorasgani, A.M.; Haghghatbin, M. Regeneration of Historic Cities: Reflections of Its Evolution Towards a Landscape Approach. *ISVS E-J.* **2023**, *10*, 60–78.
73. Pehlivan, G.F. Remains from a Demolished Cultural Heritage: A Historical House in Karaagac. *ArtSanat. Derg.* **2021**, 249–285, doi:[10.26650/artsanat.2021.15.0011](https://doi.org/10.26650/artsanat.2021.15.0011).
74. Lu, N.; Liu, M.; Wang, R. Reproducing the Discourse on Industrial Heritage in China: Reflections on the Evolution of Values, Policies and Practices. *Int. J. Herit. Stud.* **2020**, *26*, 498–518, doi:[10.1080/13527258.2019.1666293](https://doi.org/10.1080/13527258.2019.1666293).
75. Villacampa, A.; Poli, M. Reuse of the Industrial Heritage of Milan: Cultural Settlement in Bovisa. *Int. J. Sustainable Dev. Plann.* **2013**, *8*, 498–507, doi:[10.2495/SDP-V8-N4-498-507](https://doi.org/10.2495/SDP-V8-N4-498-507).
76. Salim, P.; Hendrassukma, D. Revitalization of Cultural Heritage Building: The Tugu Kunstkring Paleis. In Proceedings of the E3S Web Conf.; Mursitama T.N., Noerlina null, Utama D.N., Abrori S.A., Eds.; EDP Sciences, 2023; Vol. 426.
77. Meliana, S.; Rombe, O.S.C.; Rachmayanti, I. Sarinah Braga, a Revitalization of the Landmark. In Proceedings of the IOP Conf. Ser. Earth Environ. Sci.; Mangindaan D., Ed.; IOP Publishing Ltd, 2021; Vol. 794.
78. De Jesus, R.; Oreta, A.W.; Grio, M.E.; Mendoza, R.; Garciano, L.; Ibabao, R.; Sevieri, G.; Galasso, C. Seismic Screening and Structural Investigation of Heritage Buildings for Adaptive Reuse: A Survey Study at Iloilo City, Philippines. In Proceedings of the IOP Conf. Ser. Earth Environ. Sci.; Halim M.H.A., Anuar A.N., Yuzir M.A.M., Eds.; Institute of Physics, 2022; Vol. 1091.

79. Stanojev, J.; Gustafsson, C. Smart Specialisation Strategies for Elevating Integration of Cultural Heritage into Circular Economy. *Sustainability* **2021**, *13*, doi:[10.3390/su13073685](https://doi.org/10.3390/su13073685).
80. Liu, J.; Zhang, Y.; Mao, J. Social Enterprises and Their Role in Revitalizing Shrinking Cities—A Case Study on Shimizusawa of Japan. *Land* **2023**, *12*, doi:[10.3390/land12122146](https://doi.org/10.3390/land12122146).
81. Lundgren, R. Social Life Cycle Assessment of Adaptive Reuse. *Build. Cities*. **2023**, *4*, 334–351, doi:[10.5334/bc.314](https://doi.org/10.5334/bc.314).
82. Lin, F.; Zhang, X.; Ma, Z.; Zhang, Y. Spatial Structure and Corridor Construction of Intangible Cultural Heritage: A Case Study of the Ming Great Wall. *Land* **2022**, *11*, doi:[10.3390/land11091478](https://doi.org/10.3390/land11091478).
83. Thinley, J.; Chimi, C.; Chettri, N. Spiritual and Spatial Significance of Choedrak Monastery in the Cultural Geography of Bhutan. *Archaeologies* **2021**, *17*, 407–430, doi:[10.1007/s11759-021-09432-z](https://doi.org/10.1007/s11759-021-09432-z).
84. Ikiz Kaya, D.; Dane, G.; Pintossi, N.; Koot, C.A.M. Subjective Circularity Performance Analysis of Adaptive Heritage Reuse Practices in the Netherlands. *Sustainable Cities Soc.* **2021**, *70*, doi:[10.1016/j.scs.2021.102869](https://doi.org/10.1016/j.scs.2021.102869).
85. Li, H.; Chen, J.; Ikebe, K.; Kinoshita, T. Survey of Residents of Historic Cities Willingness to Pay for a Cultural Heritage Conservation Project: The Contribution of Heritage Awareness. *Land* **2023**, *12*, doi:[10.3390/land12112058](https://doi.org/10.3390/land12112058).
86. Kee, T. Sustainable Adaptive Reuse – Economic Impact of Cultural Heritage. *J. Cult. Herit. Manage. Sustainable Dev.* **2019**, *9*, 165–183, doi:[10.1108/JCHMSD-06-2018-0044](https://doi.org/10.1108/JCHMSD-06-2018-0044).
87. De Jonge, W. Sustainable Renewal of the Everyday Modern. *J. Archit. Conserv.* **2017**, *23*, 62–150, doi:[10.1080/13556207.2017.1326555](https://doi.org/10.1080/13556207.2017.1326555).
88. Gravagnuolo, A.; Varotto, M. Terraced Landscapes Regeneration in the Perspective of the Circular Economy. *Sustainability* **2021**, *13*, doi:[10.3390/su13084347](https://doi.org/10.3390/su13084347).
89. Girard, L.F.; Vecco, M. The “Intrinsic Value” of Cultural Heritage as Driver for Circular Human-centered Adaptive Reuse. *Sustainability* **2021**, *13*, doi:[10.3390/su13063231](https://doi.org/10.3390/su13063231).
90. Péterfi, J. THE ADAPTIVE REUSE OF CASTLES IN TOURISM AND SETTLEMENT DEVELOPMENT - PRIMARY IMPACT ASSESSMENT OF SOMOGY COUNTY'S CASTLE HOTELS, HUNGARY. *Cons. Sci. Cult. Herit* **2020**, *20*, 275–288.
91. Foster, G.; Saleh, R. The Adaptive Reuse of Cultural Heritage in European Circular City Plans: A Systematic Review. *Sustainability* **2021**, *13*, 1–15, doi:[10.3390/su13052889](https://doi.org/10.3390/su13052889).
92. Śladowski, G.; Szewczyk, B.; Barnaś, K.; Kania, O.; Barnaś, J. The Boyen Fortress: Structural Analysis of Selecting Complementary Forms of Use for a Proposed Adaptive Reuse Project. *Herit. Sci.* **2021**, *9*, doi:[10.1186/s40494-021-00550-z](https://doi.org/10.1186/s40494-021-00550-z).
93. Permata, D.D.; Kuswandy, A.S.; Riza, A.I.; Sakti, P.F.; Diana, T.I. The Centrum-Bandung : Adaptive Reuse at Heritage Building as Sustainable Architecture. In Proceedings of the IOP Conf. Ser. Earth Environ. Sci.; Institute of Physics Publishing, 2020; Vol. 409.
94. Foster, G.; Saleh, R. The Circular City and Adaptive Reuse of Cultural Heritage Index: Measuring the Investment Opportunity in Europe. *Resour. Conserv. Recycl.* **2021**, *175*, doi:[10.1016/j.resconrec.2021.105880](https://doi.org/10.1016/j.resconrec.2021.105880).
95. Lusiani and Luca Zan, M.; Thorkildsen, A.; Ekman, M. The Complexity of Becoming: Collaborative Planning and Cultural Heritage. *J. Cult. Herit. Manage. Sustainable Dev.* **2013**, *3*, 148–162, doi:[10.1108/JCHMSD-10-2012-0053](https://doi.org/10.1108/JCHMSD-10-2012-0053).
96. Foster, G.; Kreinin, H.; Stagl, S. The Future of Circular Environmental Impact Indicators for Cultural Heritage Buildings in Europe. *Env. Sci. Eur.* **2020**, *32*, doi:[10.1186/s12302-020-00411-9](https://doi.org/10.1186/s12302-020-00411-9).
97. Ong, C.-E.; Minca, C.; Felder, M. The Historic Hotel as ‘Quasi-Freedom Machine’: Negotiating Utopian Visions and Dark Histories at Amsterdam’s Lloyd Hotel and ‘Cultural Embassy.’ *J. Herit. Tour.* **2015**, *10*, 167–183, doi:[10.1080/1743873X.2014.985223](https://doi.org/10.1080/1743873X.2014.985223).
98. Bazazzadeh, H.; Nadolny, A.; Mehan, A.; Hashemi Safaei, S.S. The Importance Of Flexibility In Adaptive Reuse Of Industrial Heritage: Learning From Iranian Cases. *Int. J. Conserv. Sci.* **2021**, *12*, 113–128.
99. Sucală, C. The Place of Industrial Heritage in the Romanian Authorised Heritage Discourse: The Case of Petrila Coal Mine. *Transsylvania Nostra* **2020**, *2020*, 27–40.
- 100.

- Proli, S.; Tortori, F. The Potential of Neglected Places. In *LOCO: The Widespread Museum of Abandonment*. *SCIRES-IT* **2020**, *10*, 159–172, doi:[10.2423/122394303v10n2p159](https://doi.org/10.2423/122394303v10n2p159).
- 101.
- Lerario, A. The Role of Built Heritage for Sustainable Development Goals: From Statement to Action. *Heritage*. **2022**, *5*, 2444–2463, doi:[10.3390/heritage5030127](https://doi.org/10.3390/heritage5030127).
- 102.
- Niemczewska, Z.E. The Sociocultural Impact of Adaptive Reuse of Immovable Cultural Heritage from the Perspective of Direct Users and the Local Community. *J. Cult. Herit. Manage. Sustainable Dev.* **2020**, *11*, 240–261, doi:[10.1108/JCHMSD-07-2019-0093](https://doi.org/10.1108/JCHMSD-07-2019-0093).
- 103.
- Maulina, A.; Sukoco, I.; Hermanto, B.; Kostini, N. Tourists' Revisit Intention and Electronic Word-of-Mouth at Adaptive Reuse Building in Batavia Jakarta Heritage. *Sustainability* **2023**, *15*, doi:[10.3390/su151914227](https://doi.org/10.3390/su151914227).
- 104.
- Mısırlısoy, D. Towards Sustainable Adaptive Reuse of Traditional Marketplaces. *Hist. Environ. Policy Pract.* **2020**, 1–17, doi:[10.1080/17567505.2020.1784671](https://doi.org/10.1080/17567505.2020.1784671).
- 105.
- Barranha, H.; Caldas, J.V.; Silva, R.N.N.D. Translating Heritage into Museums: Two Architectural Strategies inside Lisbon Castle. *J. Cult. Herit. Manage. Sustainable Dev.* **2017**, *7*, 33–47, doi:[10.1108/JCHMSD-05-2016-0033](https://doi.org/10.1108/JCHMSD-05-2016-0033).
- 106.
- Vardopoulos, I.; Giannopoulos, K.; Papaefthymiou, E.; Temponera, E.; Chatzithanasis, G.; Goussia-Rizou, M.; Karymbalis, E.; Michalakelis, C.; Tsartas, P.; Sdrali, D. Urban Buildings Sustainable Adaptive Reuse into Tourism Accommodation Establishments: A SOAR Analysis. *Discov Sustain* **2023**, *4*, doi:[10.1007/s43621-023-00166-2](https://doi.org/10.1007/s43621-023-00166-2).
- 107.
- Mazzetto, S.; Vanini, F. Urban Heritage in Saudi Arabia: Comparison and Assessment of Sustainable Reuses. *Sustainability* **2023**, *15*, doi:[10.3390/su15129819](https://doi.org/10.3390/su15129819).
- 108.
- Çelebi Karakök, M.E.; Ertas Beşir, Ş. Usage Strategies to Increase the Socioeconomic Sustainability of Monumental Structures: The Example of the Hacı Ali Ağa Bath. *Sustainability* **2023**, *15*, doi:[10.3390/su15097587](https://doi.org/10.3390/su15097587).
- 109.
- Augustiniok, N.; Plevoets, B.; Houbart, C.; van Cleempoel, K. Value as a Legal Tool for the Preservation of Monuments in Flanders and Wallonia: Between Conservation and Adaptation. *Hist. Environ. Policy Pract.* **2022**, *13*, 482–508, doi:[10.1080/17567505.2022.2148963](https://doi.org/10.1080/17567505.2022.2148963).
- 110.
- Howard, C.J. Value of Wisdom through Experience: Sustainable Heritage. In *Proceedings of the WIT Trans. Built Environ.; De Wilde P., Ed.; WITPress, 2019; Vol. 191, pp. 383–394*.
- 111.
- Redden, R.; Crawford, R.H. Valuing the Environmental Performance of Historic Buildings. *Australas. J. Environ. Manage.* **2021**, *28*, 59–71, doi:[10.1080/14486563.2020.1772133](https://doi.org/10.1080/14486563.2020.1772133).
- 112.
- Yusran, Y.A.; Titisari, E.Y.; Karomah, H.M. Visual and Spatial Changes of Translocated Javanese Vernacular Houses in Padi Heritage Hotel Malang, Indonesia. In *Proceedings of the IOP Conf. Ser. Earth Environ. Sci.; Widati G., Ulinata null, Abdullah A.G., Danuwijaya A.A., Abdullah C.U., Eds.; IOP Publishing Ltd, 2021; Vol. 878*.

## Appendix 15

1. González Díaz, E.; García, M.F.; Asensio, I.A.; González, E.; Alonso López, J.M. A Building Material from the Upper Jurassic Period into the Canarian Architectural Heritage: The Durability of the Heartwood of *Pinus Canariensis*. *Int. J. Archit. Herit.* **2022**, *16*, 9–18, doi:[10.1080/15583058.2020.1745324](https://doi.org/10.1080/15583058.2020.1745324).
2. Aziz, M.A.; Pieroni, A.; Abidullah, S.; Nedelcheva, A. A Rich Fading Biocultural Diversity? A Review of Traditional Herbal Teas Used by Minorities in the Balkans. *Turk. J. Bot.* **2021**, *45*, 713–722, doi:[10.3906/bot-2111-25](https://doi.org/10.3906/bot-2111-25).
3. Barbieri, R.L.; Gomes, J.C.C.; Alercia, A.; Padulosi, S. Agricultural Biodiversity in Southern Brazil: Integrating Efforts for Conservation and Use of Neglected and Underutilized Species. *Sustainability* **2014**, *6*, 741–757, doi:[10.3390/su6020741](https://doi.org/10.3390/su6020741).
4. Song, Y.; Jarvis, D.I.; Bai, K.; Feng, J.; Long, C. Assessment of the Resilience of a Tartary Buckwheat (*Fagopyrum Tataricum*) Cultivation System in Meigu, Southwest China. *Sustainability* **2020**, *12*, doi:[10.3390/su12145683](https://doi.org/10.3390/su12145683).
5. Fajardo, J.; Verde, A.; Rivera, D.; Del Moral, A.; Laguna, E.; Ríos, S.; Obón, C.; Consuegra, V.; García, J.; Alcaraz, F.; et al. Basketry as an Ecosystem Service of Wetlands: Traditional Crafts in Central Spain. *An. Jard. Bot. Madrid* **2021**, *78*, doi:[10.3989/ajbm.2586](https://doi.org/10.3989/ajbm.2586).
6. Rojas, C.M.; Araya, A.D. Climate event predictions in Aymara communities in the Andes of northern Chile. *Rev. Geogr. Norte Grande* **2022**, *83*, 51–66, doi:[10.4067/S0718-34022022000300051](https://doi.org/10.4067/S0718-34022022000300051).

7. Palomar, T.R.; Sarabia Andúgar, J.F.; Pretel, M.T.P. Pharmaceutical ethnobotany in Grazalema. *Rev. Fitoterapia* **2015**, *15*, 157–163.
8. Percino-Daniel, N.; Buckley, D.; García-París, M. Pharmacological Properties of Blister Beetles (Coleoptera: Meloidae) Promoted Their Integration into the Cultural Heritage of Native Rural Spain as Inferred by Vernacular Names Diversity, Traditions, and Mitochondrial DNA. *J. Ethnopharmacol.* **2013**, *147*, 570–583, doi:[10.1016/j.jep.2013.03.037](https://doi.org/10.1016/j.jep.2013.03.037).
9. Vitalini, S.; Puricelli, C.; Mikerezi, I.; Iriti, M. Plants, People and Traditions: Ethnobotanical Survey in the Lombard Stelvio National Park and Neighbouring Areas (Central Alps, Italy). *J. Ethnopharmacol.* **2015**, *173*, 435–458, doi:[10.1016/j.jep.2015.05.036](https://doi.org/10.1016/j.jep.2015.05.036).
10. Thorn, J.P.R.; Klein, J.A.; Steger, C.; Hopping, K.A.; Capitani, C.; Tucker, C.M.; Reid, R.S.; Marchant, R.A. Scenario Archetypes Reveal Risks and Opportunities for Global Mountain Futures. *Global Environ. Change* **2021**, *69*, doi:[10.1016/j.gloenvcha.2021.102291](https://doi.org/10.1016/j.gloenvcha.2021.102291).
11. Bajec, J.F.; Kranjc, D. Significance of Cultural Heritage Practices in Karst Landscape Management: 2030 Agenda for Sustainable Development. *Carbonates Evaporites* **2023**, *38*, doi:[10.1007/s13146-022-00834-w](https://doi.org/10.1007/s13146-022-00834-w).
12. Leon, J.X.; Hardcastle, J.; James, R.; Albert, S.; Kereseka, J.; Woodroffe, C.D. Supporting Local and Traditional Knowledge with Science for Adaptation to Climate Change: Lessons Learned from Participatory Three-Dimensional Modeling in BoeBoe, Solomon Islands. *Coast. Manage.* **2015**, *43*, 424–438, doi:[10.1080/08920753.2015.1046808](https://doi.org/10.1080/08920753.2015.1046808).
13. Mateo Pérez, R.M.A.; Orduna Portús, P. The figure of the hunter in the Royal Bardenas of Navarre. Ethnographic study of hunting in a semi-desert communal landscape. *Munibe Antropol. Arkeologia* **2018**, *69*, 343–365, doi:[10.21630/maa.2018.69.17](https://doi.org/10.21630/maa.2018.69.17).
14. Sanchez-Calvillo, A.; Alonso-Guzman, E.M.; Solís-Sánchez, A.; Martínez-Molina, W.; Navarro-Ezquerria, A.; Gonzalez-Sanchez, B.; Arreola-Sanchez, M.; Sandoval-Castro, K. Use of Audiovisual Methods and Documentary Film for the Preservation and Reappraisal of the Vernacular Architectural Heritage of the State of Michoacan, Mexico. *Heritage*. **2023**, *6*, 2101–2125, doi:[10.3390/heritage6020113](https://doi.org/10.3390/heritage6020113).
15. Aktürk, G.; Fluck, H. Vernacular Heritage as a Response to Climate: Lessons for Future Climate Resilience from Rize, Turkey. *Land* **2022**, *11*, doi:[10.3390/land11020276](https://doi.org/10.3390/land11020276)

## Appendix 16

1. Zeinalnezhad, M.; Chofreh, A.G.; Goni, F.A.; Hashemi, L.S.; Klemeš, J.J. A Hybrid Risk Analysis Model for Wind Farms Using Coloured Petri Nets and Interpretive Structural Modelling. *Energy* **2021**, *229*, doi:[10.1016/j.energy.2021.120696](https://doi.org/10.1016/j.energy.2021.120696).
2. Foo, F.K.; Ong, D.S.C. Advance Injection Strategy Optimization: Maximize Benefit-Cost Ratio by Integration of Economic Spreadsheet in Excel to Assisted History Matching Using Python Scripting. In Proceedings of the Soc. Pet. Eng. - Abu Dhabi Int. Pet. Exhib. Conf., ADIP; Society of Petroleum Engineers, 2021.
3. Wagner, Z.; Heft-Neal, S.; Bhutta, Z.A.; Black, R.E.; Burke, M.; Bendavid, E. Armed Conflict and Child Mortality in Africa: A Geospatial Analysis. *Lancet* **2018**, *392*, 857–865, doi:[10.1016/S0140-6736\(18\)31437-5](https://doi.org/10.1016/S0140-6736(18)31437-5).
4. Kanu, R.C. Assessing Manufacturing Capital Investments in the Global Market. In Proceedings of the ASEE Annu. Conf. Expos. Conf. Proc.; 2013.
5. Carranza, J.R.Z.; Kovshov, S.; Lyubin, E. Assessment of Anthropogenic Factor of Accident Risk on the Main Oil Pipeline Pascuales-Cuenca in Ecuador. *J. Appl. Eng. Sci.* **2018**, *16*, 307–312, doi:[10.5937/jaes16-17019](https://doi.org/10.5937/jaes16-17019).
6. Wood, T.; Barbour, B.; Hammerschmid, A.; Ioffe, Y.; Jefferies, R. CASE LAW SUMMARIES. *Int. J. Refugee Law* **2023**, *35*, 233–237, doi:[10.1093/ijrl/eead021](https://doi.org/10.1093/ijrl/eead021).
7. Ndikumana, L. Causes and Effects of Capital Flight from Africa: Lessons from Case Studies. *Afr. Dev. Rev.* **2016**, *28*, 2–7, doi:[10.1111/1467-8268.12177](https://doi.org/10.1111/1467-8268.12177).
8. Paz, S.; Majeed, A.; Christophides, G.K. Climate Change Impacts on Infectious Diseases in the Eastern Mediterranean and the Middle East (EMME)—Risks and Recommendations. *Clim. Change* **2021**, *169*, doi:[10.1007/s10584-021-03300-z](https://doi.org/10.1007/s10584-021-03300-z).
9. Ali, F.; Khan, T.A.; Alamgir, A.; Khan, M.A. Climate Change-Induced Conflicts in Pakistan: From National to Individual Level. *Earth Sys. Environ.* **2018**, *2*, 573–599, doi:[10.1007/s41748-018-0080-8](https://doi.org/10.1007/s41748-018-0080-8).

10. Kemp, L.; Xu, C.; Depledge, J.; Ebi, K.L.; Gibbins, G.; Kohler, T.A.; Rockstrom, J.; Scheffer, M.; Schellnhuber, H.J.; Steffen, W.; et al. Climate Endgame: Exploring Catastrophic Climate Change Scenarios. *Proc. Natl. Acad. Sci. U. S. A.* **2022**, *119*, doi:[10.1073/pnas.2108146119](https://doi.org/10.1073/pnas.2108146119).
11. Hossen, M.M.; Kang, S.; Kim, J. Construction Schedule Delay Risk Assessment by Using Combined AHP-RII Methodology for an International NPP Project. *Nucl. Eng. Technol.* **2015**, *47*, 362–379, doi:[10.1016/j.net.2014.12.019](https://doi.org/10.1016/j.net.2014.12.019).
12. Razzaq, A.; Thaheem, M.J.; Maqsoom, A.; Gabriel, H.F. Critical External Risks in International Joint Ventures for Construction Industry in Pakistan. *Int. J. Civ. Eng.* **2018**, *16*, 189–205, doi:[10.1007/s40999-016-0117-z](https://doi.org/10.1007/s40999-016-0117-z).
13. Wang, S.; Jia, H.; Lu, J.; Yang, D. Crude Oil Transportation Route Choices: A Connectivity Reliability-Based Approach. *Reliab Eng Syst Saf* **2023**, *235*, doi:[10.1016/j.res.2023.109254](https://doi.org/10.1016/j.res.2023.109254).
14. Lam, J.S.L.; Su, S. Disruption Risks and Mitigation Strategies: An Analysis of Asian Ports. *Marit. Policy Manage.* **2015**, *42*, 415–435, doi:[10.1080/03088839.2015.1016560](https://doi.org/10.1080/03088839.2015.1016560).
15. Carless, T.S.; Redus, K.; Dryden, R. Estimating Nuclear Proliferation and Security Risks in Emerging Markets Using Bayesian Belief Networks. *Energy Policy* **2021**, *159*, doi:[10.1016/j.enpol.2021.112549](https://doi.org/10.1016/j.enpol.2021.112549).
16. Blancheton, B.; Opara-Opimba, L. Foreign Direct Investment in Africa: What Are the Key Factors of Attraction Other than Natural Resources? *Sav. Dev.* **2013**, *37*, 1–34.
17. Hoteit, M.; Mohsen, H.; Yazbeck, N.; Diab, S.; Sarkis, J.; Sacre, Y.; Hanna-Wakim, L.; Bookari, K. Household Food Insecurity, Anemia, Malnutrition and Unfavorable Dietary Diversity among Adolescents: Quadruple Whammies in the Era of Escalating Crises in Lebanon. *Nutrients* **2022**, *14*, doi:[10.3390/nu14245290](https://doi.org/10.3390/nu14245290).
18. Gemechu, E.D.; Helbig, C.; Sonnemann, G.; Thorenz, A.; Tuma, A. Import-Based Indicator for the Geopolitical Supply Risk of Raw Materials in Life Cycle Sustainability Assessments. *J. Ind. Ecol.* **2016**, *20*, 154–165, doi:[10.1111/jiec.12279](https://doi.org/10.1111/jiec.12279).
19. Khan, U.U.; Ali, Y.; Petrillo, A.; De Felice, F. Macro-Environmental Factors and Their Impact on Startups from the Perspective of Developing Countries. *Int. J. Sust. Eng.* **2023**, *16*, 166–183, doi:[10.1080/19397038.2023.2238754](https://doi.org/10.1080/19397038.2023.2238754).
20. Filipović, S.; Radovanović, M.; Golušin, V. Macroeconomic and Political Aspects of Energy Security – Exploratory Data Analysis. *Renewable Sustainable Energy Rev* **2018**, *97*, 428–435, doi:[10.1016/j.rser.2018.08.058](https://doi.org/10.1016/j.rser.2018.08.058).
21. Crowley, M.; Shang, L.; Dando, M. Preventing Chemical Weapons as Sciences Converge. *Sci.* **2018**, *362*, 753–755, doi:[10.1126/science.aav5129](https://doi.org/10.1126/science.aav5129).
22. Túri, G.; Kassay, J.; Virág, A.; Dózsa, C.; Horváth, K.; Lorenzovici, L. Riding the Pandemic Waves—Lessons to Be Learned from the COVID-19 Crisis Management in Romania. *Trop. Med. Infect. Dis.* **2022**, *7*, doi:[10.3390/tropicalmed7070122](https://doi.org/10.3390/tropicalmed7070122).
23. Liu, Y.-T.; Huang, D.-Z.; Fu, Q. Risk Analysis of Transportation Projects in CPEC. In Proceedings of the CICTP: Transp. China - Connect. World - Proc. COTA Int. Conf. Transp. Prof.; Zhang L., Ma J., Liu P., Zhang G., Eds.; American Society of Civil Engineers (ASCE), 2019; pp. 3669–3676.
24. López-Campos, M.; Tapia, L.; Castro, C.; Stegmaier, R. SAFEGUARDING THE LONG-TERM CONDITION OF LOGISTICS INFRASTRUCTURE ASSETS: AN ANALYSIS OF CONCESSION CONTRACTS. In Proceedings of the Proc. Eur. Saf. Reliab. Conf.; Castanier B., Cepin M., Bigaud D., Berenguer C., Eds.; Research Publishing, Singapore, 2021; pp. 2980–2985.
25. Lander, J. Shifting States: The Constitutional Risks of Extractive Development. *Can. J. Dev. Stud.* **2022**, *43*, 59–77, doi:[10.1080/02255189.2021.1906632](https://doi.org/10.1080/02255189.2021.1906632).
26. Scolobig, A. Stakeholder Perspectives on Barriers to Landslide Risk Governance. *Nat. Hazards* **2016**, *81*, 27–43, doi:[10.1007/s11069-015-1787-6](https://doi.org/10.1007/s11069-015-1787-6).
27. Khokhlova, G.; Kretova, N.; Burov, V. The Problems of Investment Activity of Entrepreneurship and Methodological Aspects of Credit Risks Assessment. In Proceedings of the IOP Conf. Ser. Mater. Sci. Eng.; IOP Publishing Ltd, 2019; Vol. 667.
28. De Sio, L.; Franklin, M.N.; Weber, T. The Risks and Opportunities of Europe: How Issue Yield Explains (Non-)Reactions to the Financial Crisis. *Elect. Stud.* **2016**, *44*, 483–491, doi:[10.1016/j.electstud.2016.06.006](https://doi.org/10.1016/j.electstud.2016.06.006).
29. Parven, S. THE ROHINGYA REFUGEES IN BANGLADESH: A DIFFICULT PATH TO INTEGRATION, BETWEEN HUMANITARIAN AND SECURITY CONCERNS. *Janus.net* **2021**, *12*, 234–250, doi:[10.26619/1647-7251.12.1.13](https://doi.org/10.26619/1647-7251.12.1.13).
- 30.

Satake, K.; McLean, C.; Alcántara-Ayala, I. Understanding Disaster Risk: The Role of Science and Technology. *J. Disaster Res.* **2018**, *13*, 1168–1176, doi:[10.20965/jdr.2018.p1168](https://doi.org/10.20965/jdr.2018.p1168).

31.

Wehrmeister, F.C.; Fayé, C.M.; da Silva, I.C.M.; Amouzou, A.; Ferreira, L.Z.; Jiwani, S.S.; Melesse, D.Y.; Mutua, M.; Maïga, A.; Ca, T.; et al. Wealth-Related Inequalities in the Coverage of Reproductive, Maternal, Newborn and Child Health Interventions in 36 Countries in the African Region. *Bull. WHO* **2020**, *98*, 394–405, doi:[10.2471/BLT.19.249078](https://doi.org/10.2471/BLT.19.249078).

## Appendix 17

1.

Casertano, L. Combating the Illicit Trafficking of Cultural Property: The Multifaceted Response to a Complex Challenge. *Global Jurist* **2020**, *20*, doi:[10.1515/gj-2019-0025](https://doi.org/10.1515/gj-2019-0025).

2.

Tonejc, M.J.; Ivanuš, M. Futures and Foresight of Croatian Cultural Heritage. *Portal* **2022**, *2022*, 153–163, doi:[10.17018/portal.2022.10](https://doi.org/10.17018/portal.2022.10).

3.

Mugnai, N.; Nikolaus, J.; Mattingly, D.; Walker, S. Libyan Antiquities at Risk: Protecting Portable Cultural Heritage. *Libyan Stud.* **2017**, *48*, 11–21, doi:[10.1017/lis.2017.8](https://doi.org/10.1017/lis.2017.8).

4.

Moustafa, L.H. Research without Archives?: The Making and Remaking of Area Studies Knowledge of the Middle East in a Time of Chronic War I. *Archivaria* **2018**, *85*, 68–95.

5.

Kallio, A.A.; Westerlund, H. The Ethics of Survival: Teaching the Traditional Arts to Disadvantaged Children in Post-Conflict Cambodia. *Int. J. Music Educ.* **2016**, *34*, 90–103, doi:[10.1177/0255761415584298](https://doi.org/10.1177/0255761415584298).

6.

Causevic, S.; Neal, M. The Exotic Veil: Managing Tourist Perceptions of National History and Statehood in Oman. *Tour. Manage.* **2019**, *71*, 504–517, doi:[10.1016/j.tourman.2018.10.001](https://doi.org/10.1016/j.tourman.2018.10.001).

7.

McCarron, L. The Secrets of Socotra. *New Sci.* **2018**, *240*, 32–37, doi:[10.1016/S0262-4079\(18\)32132-8](https://doi.org/10.1016/S0262-4079(18)32132-8).

8.

Gupta, N. What Do Spatial Approaches to the History of Archaeology Tell Us? Insights from Post-Colonial India. *Complutum* **2013**, *24*, 189–201, doi:[10.5209/rev\\_CMPL.2013.v24.n2.43379](https://doi.org/10.5209/rev_CMPL.2013.v24.n2.43379).

9.

Gupta, N. What Do Spatial Approaches to the History of Archaeology Tell Us? Insights from Post-Colonial India. *Complutum* **2013**, *24*, 189–201, doi:[10.5209/rev-CMPL.2013.v24.n2.43379](https://doi.org/10.5209/rev-CMPL.2013.v24.n2.43379).

## Appendix 18

1.

Alsadik, B. Crowdsourced Drone Imagery—A Powerful Source for the 3D Documentation of Cultural Heritage at Risk. *Int. J. Archit. Herit.* **2022**, *16*, 977–987, doi:[10.1080/15583058.2020.1853851](https://doi.org/10.1080/15583058.2020.1853851).

2.

Marchetti, A.; Pilehvar, S.; 't Hart, L.; Leyva Pernia, D.; Voet, O.; Anaf, W.; Nuyts, G.; Otten, E.; Demeyer, S.; Schalm, O.; et al. Indoor Environmental Quality Index for Conservation Environments: The Importance of Including Particulate Matter. *Build. Environ.* **2017**, *126*, 132–146, doi:[10.1016/j.buildenv.2017.09.022](https://doi.org/10.1016/j.buildenv.2017.09.022).

3.

Guardiola-Villora, A.; Molina, S.; D' Ayala, D. Performance Based Probabilistic Seismic Risk Assessment for Urban Heritage. An Example in Pla Del Remei Area (Valencia). *Bull. Earthquake Engin.* **2023**, *21*, 4951–4991, doi:[10.1007/s10518-023-01721-y](https://doi.org/10.1007/s10518-023-01721-y).

4.

Trizio, F.; Mileto, C.; Torrijo Echarri, F.J.; Lidón de Miguel, M. Preliminary Analysis of Earthen Architecture Response to Floods: The Case of Alzira (Spain). In Proceedings of the Int. Arch. Photogramm., Remote Sens. Spat. Inf. Sci. - ISPRS Arch.; Mileto C., Vegas F., Cristini V., Garcia-Soriano L., Eds.; International Society for Photogrammetry and Remote Sensing, 2020; Vol. 54, pp. 713–717.

5.

Biglari, M.; D'amato, M.; Formisano, A. Rapid Seismic Vulnerability and Risk Assessment of Kermanshah Historic Mosques. *Open Civ. Eng. J.* **2021**, *15*, 135–148, doi:[10.2174/1874149502115010135](https://doi.org/10.2174/1874149502115010135).

6.

Trejja, S.; Bratuškins, U.; Garkāje, L. Reevaluating Values: Post-War Architecture in Historic Urban Landscape. In Proceedings of the Inheritable Resil.: Shar. Values Global Mod. - Int. Docomomo Conf. Tokyo Japan Proc.; Tostoes A., Yamana Y., Eds.; Docomomo, 2021; Vol. 1, pp. 150–155.

## Appendix 19

1. Ozariso, B.; Altan, H. A Novel Methodological Framework for the Optimisation of Post-War Social Housing Developments in the South-Eastern Mediterranean Climate: Policy Design and Life-Cycle Cost Impact Analysis of Retrofitting Strategies. *Sol. Energy* **2021**, *225*, 517–560, doi:[10.1016/j.solener.2021.07.008](https://doi.org/10.1016/j.solener.2021.07.008).
2. Bukhman, S.; Brito, M.P.; Sung, M.-C. A PREDICTIVE MODEL FOR QUANTITATIVE ASSESSMENT OF AVIATION TERROR INCIDENTS BASED ON GEO-POLITICAL ENVIRONMENT. In Proceedings of the Proc. Eur. Saf. Reliab. Conf.; Castanier B., Cepin M., Bigaud D., Berenguer C., Eds.; Research Publishing, Singapore, 2021; p. 2679.
3. Siebert, U.; Stürznickel, J.; Schaffeld, T.; Oheim, R.; Rolvien, T.; Prenger-Berninghoff, E.; Wohlsein, P.; Lakemeyer, J.; Rohner, S.; Aroha Schick, L.; et al. Blast Injury on Harbour Porpoises (*Phocoena Phocoena*) from the Baltic Sea after Explosions of Deposits of World War II Ammunition. *Environ. Int.* **2022**, *159*, doi:[10.1016/j.envint.2021.107014](https://doi.org/10.1016/j.envint.2021.107014).
4. Fauser, P.; Czub, M.J.; Beldowski, J.; Niemikoski, H.; Vanninen, P.; Popiel, S.; Nawała, J.; Dziedzic, D.; Sanderson, H. Chemical Warfare Agents and Their Risk Assessment in *Daphnia Magna* and Fish in the Baltic Sea – 15 Years of Measurements. *J. Hazard. Mater. Adv.* **2023**, *12*, doi:[10.1016/j.hazadv.2023.100386](https://doi.org/10.1016/j.hazadv.2023.100386).
5. Pouryarmohammadi, M.; Ahmadi, H.; Salaripour, A. Developing Physical Resilience Strategies in Passive Defense According to Identification of Endangered Areas of Urban Environments (Case Study: Ahvaz City). *Int. J. Disaster Resilience Built Environ.* **2022**, *13*, 14–30, doi:[10.1108/IIDRBE-08-2020-0086](https://doi.org/10.1108/IIDRBE-08-2020-0086).
6. Deville, J.; Guggenheim, M. From Preparedness to Risk: From the Singular Risk of Nuclear War to the Plurality of All Hazards. *Brit. J. Sociol.* **2018**, *69*, 799–824, doi:[10.1111/1468-4446.12291](https://doi.org/10.1111/1468-4446.12291).
7. Terebukh, A.; Pankiv, N.; Roik, O. Integral Assessment of the Impact on Ukraine’s Environment of Military Actions in the Conditions of Russian Aggression. *Ecol. Eng. Environ. Tech.* **2023**, *24*, 90–98, doi:[10.12912/27197050/157569](https://doi.org/10.12912/27197050/157569).
8. Harrison, M.; Goldshtein, Z.; Avnet, M.S.; Smith-Jackson, T.L. Methods and Tools for System Safety: A Historical Perspective. In Proceedings of the Proc. Ind. Syst. Eng. Res. Conf., ISERC; Institute of Industrial Engineers, 2020; pp. 2162–2167.
9. Gan, R.K.; Bruni, E.; Castro Delgado, R.; Alsua, C.; Arcos González, P. Novel Google Maps and Google Earth Application for Chemical Industry Disaster Risk Assessment during Complex Emergencies in Eastern Ukraine. *Sci. Rep.* **2023**, *13*, doi:[10.1038/s41598-023-31848-6](https://doi.org/10.1038/s41598-023-31848-6).
10. Boisa, N.; Bird, G.; Brewer, P.A.; Dean, J.R.; Entwistle, J.A.; Kemp, S.J.; Macklin, M.G. Potentially Harmful Elements (PHEs) in Scalp Hair, Soil and Metallurgical Wastes in Mitrovica, Kosovo: The Role of Oral Bioaccessibility and Mineralogy in Human PHE Exposure. *Environ. Int.* **2013**, *60*, 56–70, doi:[10.1016/j.envint.2013.07.014](https://doi.org/10.1016/j.envint.2013.07.014).
11. Jarjies, A.; Abbas, M.; Fernandes, H.M.; Wong, M.; Coates, R. Prioritization Methodology for the Decommissioning of Nuclear Facilities: A Study Case on the Iraq Former Nuclear Complex. *J. Environ. Radioact.* **2013**, *119*, 70–78, doi:[10.1016/j.jenvrad.2012.01.001](https://doi.org/10.1016/j.jenvrad.2012.01.001).
12. Biglari, M.; D’amato, M.; Formisano, A. Rapid Seismic Vulnerability and Risk Assessment of Kermanshah Historic Mosques. *Open Civ. Eng. J.* **2021**, *15*, 135–148, doi:[10.2174/1874149502115010135](https://doi.org/10.2174/1874149502115010135).
13. Kim, T.Y.; Kim, S.J.; Choi, J.R.; Lee, S.-T.; Kim, J.; Hwang, I.S.; Chung, H.G.; Choi, J.H.; Kim, H.W.; Kim, S.H.; et al. The Effect of Trauma and PTSD on Telomere Length: An Exploratory Study in People Exposed to Combat Trauma. *Sci. Rep.* **2017**, *7*, doi:[10.1038/s41598-017-04682-w](https://doi.org/10.1038/s41598-017-04682-w).
14. Shekhunova, S.B.; Stadnichenko, S.M.; Siumar, N.P. The Issue of Assessing Environmental Risks and Economic Losses of Ukraine’s Subsoil as a Result of Russian Military Aggression against Ukraine. In Proceedings of the Int. Conf. Monit. Geol. Process. Ecol. Cond. Environ., Monitoring; European Association of Geoscientists and Engineers, EAGE, 2022.
15. Komelina, O.; Kasinska, A.; Komelina, A. The Scientific-Methodical Approach to the Monitoring of National Parks and Their Response to the Impact of Global Challenges. In Proceedings of the Int. Conf. Monit. Geol. Process. Ecol. Cond. Environ., Monitoring; European Association of Geoscientists and Engineers, EAGE, 2022.
16. Torrisi, O. Wedding Amidst War? Armed Conflict and Female Teen Marriage in Azerbaijan. *Eur. J. Popul.* **2022**, *38*, 1243–1275, doi:[10.1007/s10680-022-09645-0](https://doi.org/10.1007/s10680-022-09645-0).

