

Bibliography

- Abdulai, A.-R., P.T. Quarshie, E. Duncan & E. Fraser, 2023, “Is Agricultural Digitization a Reality among Smallholder Farmers in Africa? Unpacking Farmers’ Lived Realities of Engagement with Digital Tools and Services in Rural Northern Ghana”. *Agriculture & Food Security* 12, 11.
- Abdulai, R.T. & A. Antwi, 2005, “Traditional Landholding Institutions and Individual Ownership of Land Rights in Sub-Saharan Africa”. *World Review of Science, Technology and Sustainable Development* 2(3/4) 302–319.
- Abiri, G., 2025, “Public Constitutional AI”. *Georgia Law Review* 59, 601–670.
- Abram, S., E. Atkins, A. Dietzel, K. Jenkins, L. Kiamba, J. Kirshner, J. Kreienkamp, K. Parkhill, T. Pegram & L.M.S. Ayllón, 2022, “Just Transition: A Whole-Systems Approach to Decarbonization”. *Climate Policy* 8, 1033–1049.
- Academy of Science of South Africa, 2025, *POPIA Compliance Framework for Researchers and Research Institutions*. Pretoria.
- Acemoglu, D., S. Johnson & J.A. Robinson, 2001, “The Colonial Origins of Comparative Development: An Empirical Investigation”. *American Economic Review* 91(5), 1369–1401.
- Achime, T.E., 2022, *Report of the Special Rapporteur on Contemporary Forms of Racism, Racial Discrimination, Xenophobia and Related Intolerance on Ecological Crisis, Climate Justice and Racial Justice*, A/77/2990, General Assembly Resolution 43/36. New York, United Nations.
- Adamu, A. & A. Peter, 2016, “Comparative Analysis of African Union (AU) and European Union (EU): Challenges and Prospects”. *International Journal of Political and Cultural Studies* 3(1), 46–57.
- Adeyemi, S., 2025, “From Data to AI: Inside Nigeria’s Leading Blueprint for Africa’s Digital Sovereignty”. *Business Insider Africa*, 27 October. At <https://africa.businessinsider.com/local/markets/from-data-to-ai-inside-nigerias-leading-blueprint-for-africas-digital-sovereignty/e6r7cxj>, accessed 27 October 2025.
- AEFJN, 2018. *Traité bilatéral d’investissement: Une menace continue pour l’Afrique*.
- African Land, 2020, “Africa’s Land Ownership: Who Owns Most of the Land?”. *African Land*, at <https://african.land/blog/article/africas-land-ownership-who-owns-most-of-the-land-b91>, accessed 22 September 2025.
- African Parliamentary News, 2020, “PAP Maps First Steps for Model Legislation on Sustainable Soil Management in Africa”. *African Parliamentary News*, at <https://www.africanparliamentarynews.com/2020/03/pap-maps-first-steps-for-model.html?m=1>, accessed 19 March 2026.
- African Parliamentary News, 2025, “Pan-African Parliament Adopts Landmark Model Law on Sustainable Soil Management in Africa”. *African Parliamentary News*, at https://www.africanparliamentarynews.com/2025/11/pan-african-parliament-adopts-landmark_7.html, accessed 28 March 2026.
- African Union Commission, 2026, “African Union Commission and Google Sign Landmark Partnership to Advance Africa’s Sovereign AI and Digital Capacity”. *African Union*, at <https://au.int/en/pressreleases/20260217/auc-google-sign-partnership-advance-africas-sovereign-ai-digital-capacity>, accessed 20 March 2026.
- African Union Development Agency, 2021, *AI for Africa: Artificial Intelligence for Africa’s Socio-economic Development*.
- Agorsah, E.K., 1977, “Restitution of Cultural Material to Africa”. *Africa Spectrum* 12(3), 305–308.
- Agwu, A.E., M. Suvedi, C. Chanza, K. Davis, A. Oywaya-Nkorumwa, M. Najjingo Mangheni & P.V.K. Sasidhar, 2023, *Agricultural Extension and Advisory Services in Nigeria, Malawi, South*

Bibliography

- Africa, Uganda, and Kenya* (Partnerships for Innovative Research in Africa (PIRA) Research Report). East Lansing, MI: Alliance for African Partnership, Michigan State University.
- Ahmed, K., 2026, “‘Invasive’ AI-led mass surveillance in Africa violating freedoms, warn experts”. *The Guardian*, at <https://www.theguardian.com/global-development/2026/mar/12/invasive-ai-led-mass-surveillance-in-africa-violating-freedoms-warn-experts>, accessed 20 March 2026.
- Ahmed, N., M. Rahman, R. Karim & M. Hasanuzzaman, 2019, “Soil Management for Better Crop Production and Sustainable Agriculture”. In: M. Hasanuzzaman (ed.), *Agronomic Crops*. Singapore: Springer, 83–121.
- AI Verify Foundation / AI Verify Foundation, 2024, *Model AI Governance Framework for Generative AI*.
- Ajjour-Charaï, A. 2004. *Investisseurs étrangers et offre créatrice: cas d'un pays émergent : le Maroc*.
- Ajl, M., 2021, *A People's Green New Deal*. London: Verso Books.
- Akana, C., & M. King'ori, 2024, “The African Union’s Continental AI Strategy: Data Protection and Governance Laws Set to Play a Key Role in AI Regulation”. *Future of Privacy Forum (blog)*, 18 November. At <https://fpf.org/blog/global/the-african-unions-continental-ai-strategy-data-protection-and-governance-laws-set-to-play-a-key-role-in-ai-regulation/>, accessed 27 October 2025.
- Akhtar-Schuster, M., L.C. Stringer & N.N. Barger, 2024, “Fast-tracking Action on the Sustainable Development Goals by Enhancing National Institutional Arrangements”. *PLOS ONE* 19(3), 1.
- Ali, O., M. Aydin & S. Ali, 2024, “The African Continent: A Rich Land of Minerals and Energy Sources”. *Inorganic Chemistry Communications* 169, 113123.
- Allen, J.G., J. Loo & J. Luna, 2025, “Governing Intelligence: Singapore’s Evolving AI Governance Framework”. *Cambridge Forum on AI Law and Governance* 1, 1–20.
- Alschner, W., & D. Skougarevskiy, 2016, Mapping the Universe of International Investment Agreements. *Journal of International Economic Law*, 19(3), 551–588.
- ALT Advisory, 2022, *AI Governance in Africa: An Overview of Regulation and Policy Work on Artificial Intelligence in Africa*.
- Amani Africa, 2022, *Special Research Report No. 12: Mapping of AU Decision-Making Actors and Processes*.
- Amankwah, A., A. Ambel, S. Gourlay, T. Kilic, Y. Markhof & P. Wollburg, 2024, *Fertilizer Price Shocks in Smallholder Agriculture*. Washington, DC: World Bank.
- Amanor, K., 2008, “The Changing Face of Customary Land Tenure”. In: J.M. Ubink & K.S. Amanor (eds.) *Contesting Land and Custom in Ghana: State, Chief and the Citizen*. Leiden University Press, 55.
- Amin, S., 2009, “Aid for Development”. In: H. Abbas & Y. Niyiragira (eds.) *Aid to Africa: Redeemer or Coloniser?*. Nairobi: Pambazuka Press, 59–75.
- Andere, B. & M. Kathure, 2024, *Strengthening Data Protection in Africa: Key Issues for Implementation*. Brussels: Access Now.
- Andersson, E. & E. Isgren, 2021, “Gambling in the Garden: Pesticide Use and Risk Exposure in Ugandan Smallholder Farming”. *Journal of Rural Studies* 82, 76–86.
- Anonymous. Forthcoming 2026. “From Fragility to Resilience: Indigenous Jurisprudence as an Institutional Technology for Hybrid Climate Governance in Sub-Saharan Africa”. *Journal of Environmental Law* (manuscript under review).
- Anseuw, W., L. Alden Wily, L. Cotula, & M. Taylor, 2012, *Land Rights and the Rush for Land: Findings of the Global Commercial Pressures on Land Research Project*. International Land Coalition.

- Arakpogun, E.O., Z. Elsahn, F. Olan & F. Elsahn, 2021, “Artificial Intelligence in Africa: Challenges and Opportunities”. In: A. Hamdan, A.E. Hassanien, A. Razzaque, & B. Alareeni (eds.), *The Fourth Industrial Revolution: Implementation of Artificial Intelligence for Growing Business Success Studies in Computational Intelligence* Vol 935. Springer Nature Switzerland, 375–388.
- Arújo, R. & L. Kössler, 2021, *The Rise of the Constitutional Protection of Future Generations*. LPP Working Paper Series No 7–2021.
- Arredondo, P., 2023, “GPT-4 Passes the Bar Exam: What That Means for Artificial Intelligence Tools in the Legal Profession”. *Stanford Law School*, 19 April. At <https://law.stanford.edu/2023/04/19/gpt-4-passes-the-bar-exam-what-that-means-for-artificial-intelligence-tools-in-the-legal-industry/>, accessed 29 October 2025.
- Ashukem, J.N. & C.C. Ngang, 2022, “Land Grabbing and the Implications for the Right to Development in Africa”. *African Human Rights Law Journal* 22(2), 403–425.
- Aslam, M.F., B. Wang, S.Y.A. Zaidi & Z. Aslam, 2025, “The Legal Environment of Digital Trade: Inevitable for Sustainable Industrial Revolution”. *Preprints* 1–20.
- Assemblée nationale du Burkina Faso. 2018. *Loi n°038-2018/AN portant Code des investissements au Burkina Faso*.
- Assemblée nationale du Cameroun. 2013/2017. *Loi n°2013/004 telle que modifiée par la loi n°2017/015 relative à l’investissement privé au Cameroun*.
- AU / African Union, 2018, *Migration Policy Framework for Africa and Plan of Action (2018–2030)*.
- AU / African Union, 2019, *Africa Governance: Promoting African Union Shared Values*.
- AU / African Union, 2020, *Digital Transformation Strategy for Africa (2020–2030)*.
- AU / African Union, 2023a, *Digital Agriculture Strategy (DAS) and Implementation Plan 2024–2030*.
- AU / African Union, 2023b, *Rapport annuel*.
- AU / African Union, 2024a, *African Fertiliser and Soil Health Summit: Soil Initiative for Africa: Framework Document*, AFSHS/2(II), at <https://au.int/en/AFSH-2024>, accessed 22 September 2025.
- AU / African Union, 2024b, *Continental Artificial Intelligence Strategy: Harnessing AI for Africa’s Development and Prosperity*. Addis Ababa: African Union.
- AU / African Union, 2024c, *Initiative en faveur des sols en Afrique: Document cadre*.
- AU / African Union, 2024d, *Stratégie de l’Union Africaine et plan d’action pour la biodiversité (ABSAP)*.
- AU / African Union, undated, “About Conflict Management”. *African Union*, at <https://au.int/en/directorates/about-conflict-management>, accessed 9 July 2025.
- AU / African Union, undated, “Regional Economic Communities”. *African Union*, at <https://au.int/en/recs>, accessed 9 July 2025.
- AU / African Union, OECD / Organisation for Economic Co-operation and Development, UNECA / United Nations Economic Commission for Africa & ADB / African Development Bank, 2022, *Africa’s Urbanisation Dynamics 2022: The Economic Power of Africa’s Cities (West African Studies)*. Paris: OECD Publishing.
- AUDA-NEPAD / African Union Development Agency–NEPAD, 2022, *Second Continental Report on the Implementation of Agenda 2063*.
- AUDA-NEPAD / African Union Development Agency–NEPAD, 2023, *Briefing Note: Addressing Africa’s Soil Health Challenges through the Ten-year African Fertiliser and Soil Health Action Plan (2024–2034) and the Long-term Soil Initiative for Africa Framework*.
- Audit, M., P. Calli, & S. Bollé, 2019, *Droit du commerce international et des investissements étrangers* (3rd ed.). LGDJ.

Bibliography

- AU-IAPSC / African Union Inter-African Phytosanitary Council, 2012, “Harmonization of Pesticide Registration in Africa – 2012”, 15 April. At <https://auiapsc.org/2012/04/15/harmonization-of-pesticides-registration-in-africa-2012/>, accessed 2 October 2025.
- Australasian Institute of Judicial Administration Incorporated, 2022, *AI Decision-Making and the Courts: A Guide for Judges, Tribunal Members and Court Administrators*. Melbourne: AIJA.
- Awais, M., S.M.Z.A. Naqvi, H. Zhang, L. Li, W. Zhang, F.A. Awwad, E.A.A. Ismail, M.I. Khan, V. Raghavan & J. Hu, 2023, “AI and Machine Learning for Soil Analysis: An Assessment of Sustainable Agricultural Practices”. *Bioresources and Bioprocessing* 10(90), 1–16.
- Azevedo, M. da F., 2024, *Navigating the AI Frontier in International Trade Law: The Role of the WTO's TBT Agreement*. WTI Working Paper No. 4/2024. Bern: World Trade Institute.
- Baba, A. & B. Mngomezulu, 2021, “Implementing Accountability and Transparency in Supranational Organisations: A Comparison of the European Union and the African Union, 2001–2020”. *Journal of African Union Studies* 10(2), 91–104.
- Badillo, M., 2024, “Processing of Personal Data for AI Training in Brazil: Takeaways from ANPD’s Preliminary Decisions in the Meta Case”. *FPF*, at <https://fpf.org/blog/processing-of-personal-data-for-ai-training-in-brazil-takeaways-from-anpds-preliminary-decisions-in-the-meta-case/>, accessed 20 March 2026.
- Baeyaert, J., 2025, “Beyond Personhood: The Evolution of Legal Personhood and Its Implications for AI Recognition”. *Technology and Regulation*, 355–386.
- Bakiner, O., 2023, “The Promises and Challenges of Addressing Artificial Intelligence with Human Rights”. *Big Data & Society* 10(2).
- Barfield, W., 2018, “Towards a Law of Artificial Intelligence”. In: W. Barfield & U. Pagallo (eds.), *Research Handbook on the Law of Artificial Intelligence*. Cheltenham: Edward Elgar, 2–39.
- Barratt, L., C. Gambarini, A. Witherspoon & A. Uteuova, 2025, “Revealed: Big Tech’s New Datacentres Will Take Water from the World’s Driest Areas”. *The Guardian*, 9 April. At <https://www.theguardian.com/environment/2025/apr/09/big-tech-datacentres-water>, accessed 2 October 2025.
- Barton, R., J. Burchard, V.E. Cabrera, D. Cook, W. Cooley, R. Cue, L. Fadul, J. Mattison & A. Saha, 2025, “Data Ownership and Privacy in Dairy Farming: Insights from U.S. and Global Perspectives”. *Animals* 15, 524.
- Basson, A., 2025, “Pan-African Parliament Adopts Continent’s First Model Law on Sustainable Soil Management”. *Stellenbosch University*, at <https://www.su.ac.za/en/news/pan-african-parliament-adopts-continents-first-model-law-sustainable-soil-management>, accessed 28 March 2026.
- Bationo, A. & B.S. Wanswa, 2011, “New Challenges and Opportunities for Integrated Soil Fertility Management in Africa”. In: A. Bationo et al. (eds.), *Innovations as Key to the Green Revolution in Africa*. Dordrecht: Springer, 3–18.
- Bayer, C.-T., 2021, “Land Governance and Land Reform in Southern Africa”. In: H. Chitonge & R. Harvey (eds.), *Land Tenure Challenges in Africa: Confronting the Land Governance Deficit*. Cham: Springer, 47–74.
- Bedini, S.A., 1964, “The Role of Automata in the History of Technology”. *Technology and Culture* 5, 24–42.
- Behnke, R.H., I. Scoones & C. Kerven, 1993, *Rangeland Ecology at Disequilibrium: New Models of Natural Variability and Pastoral Adaptation in the African Savanna*. London: Overseas Development Institute.
- Benamara, A., 2025, “Egypt Aims for AI Leadership in the Middle East and Africa with New National Strategy”. *TechAfrica News*, 4 September. At <https://techafricanews.com/2025/09/04/egypt-aims->

- for-ai-leadership-in-the-middle-east-and-africa-with-new-national-strategy/, accessed 27 October 2025.
- Benhama, A. 2020. *Le régime d'investissements étrangers en Algérie: aspects juridiques*.
- Bhagatjee, P. & S. Stephens, 2024, "The AI National Policy: South Africa's initial step to establish an AI policy and regulatory framework". *Werksmans Attorneys*, 10 April. At <https://werksmans.com/the-ai-national-policy-south-africas-initial-step-to-establish-an-ai-policy-and-regulatory-framework/>, accessed 29 October 2025.
- Bhattacharyya, R., A. Bhatia, B.N. Ghosh, P. Santra, D. Mandal, G. Kumar, R.J. Singh, M. Madhu, A. Ghosh, A.K. Mandal, R. Paul, A. Datta, P.C. Sharma, U.K. Mandal, P. Jha, K.S. Anil, M. Lalitha, M. Kumar, N.R. Panwar, D. Sarkar, A.K. Patra, S. Kundu, M.A. Fullen, J. Poesen, B.S. Das, N.N. Reddy & S.K. Chaudhari, 2023, "Soil Degradation and Mitigation in Agricultural Lands in the Indian Anthropocene". *European Journal of Soil Science* 74, 1–23.
- Bigger, P., N. Pearce, K. Rogaly & K. Zodgekar, 2023, "Less War, Less Warming: A Reparative Approach to US and UK Military Ecological Damages". *Common Wealth* 6 November, at <https://www.common-wealth.org/publications/less-war-less-warming-a-reparative-approach-to-us-and-uk-military-ecological-damages>, accessed 18 September 2025.
- Binz, M., E. Akata, M. Bethge, F. Brändle, F. Callaway, J. Coda-Forno, P. Dayan, C. Demircan, M.K. Eckstein, N. Élterő, T.L. Griffiths, S. Haridi, A.K. Jagadish, L. Ji-An, A. Kipnis, S. Kumar, T. Ludwig, M. Mathony, M. Mattar, A. Modirshanechi, S.S. Nath, J.C. Peterson, M. Rmsu, E.M. Russek, T. Saanum, J.A. Schubert, L.M. Schulze Buschoff, N. Singhi, X. Sui, M. Thalmann, F.J. Theis, V. Truong, V. Udandara, K. Voudouris, R. Wilson, K. Witte, S. Wu, D.U. Wulff, H. Xiong & E. Schulz, 2025, "A Foundation Model to Predict and Capture Human Cognition". *Nature* 644, 1002–1009.
- Birhane, A., 2020, "Algorithmic Colonization of Africa". *SCRIPTed* 17(2), 389–409.
- Birkstedt, T., M. Minkinen, A. Tandon & M. Mäntymäki, 2023, "AI Governance: Themes, Knowledge Gaps and Future Agendas". *Internet Research* 33(7), 133–167.
- Boer, B.W., H. Ginzky & I. Heuser, 2016, "International Soil Law: History, Concepts and Latest Developments". In: Ginzky, H., I.L. Heuser, T. Qin, O.C. Ruppel & P. Wegerdt (eds), *International Yearbook of Soil Law and Policy*, Vol. 1. Cham: Springer International Publishing, 49–72.
- Bond, P. & K. Sharife, 2009, "Africa Battles Aid and Development Finance". In: H. Abbas & Y. Niyiragira (eds.), *Aid to Africa: Redeemer or Coloniser?*. Nairobi: Pambazuka Press, 42–58.
- Bonomo, S. 2012. *Les traités bilatéraux relatifs aux investissements entre protection des investissements étrangers et sauvegarde de la souveraineté des États*. Collection de l'Institut du droit des affaires, Centre de droit économique.
- Booty, N., 2025, "Namibia Marks Colonial Genocide as Reparations Hang in the Balance". *BBC*, at <https://www.bbc.com/news/articles/cy0jkynyn2o>, accessed 22 September 2025.
- Booyens, H., 2026, "Stability without equity is fragile, Baroness Valerie Amos warns in 7th Social Justice Lecture". *Stellenbosch University*, at <https://www.su.ac.za/en/news/stability-without-equity-fragile-baroness-valerie-amos-warns-7th-social-justice-lecture>, accessed 19 March 2026.
- Bostoen, F., 2025, "Artificial Intelligence and Competition Law". In: N.A. Smuha (ed.), *The Cambridge Handbook of the Law, Ethics and Policy of Artificial Intelligence*. Cambridge Law Handbooks. Cambridge: Cambridge University Press, 174–191.
- Bowman, S.R., 2024, "Eight Things to Know about Large Language Models". *Critical AI* 2(2).
- Branca, G., T. Tennigkeit, W. Mann & L. Lipper, 2011, *Climate-smart Agriculture: A Synthesis of Empirical Evidence of Food Security and Mitigation Benefits from Improved Cropland Management*. Rome: FAO.

Bibliography

- Brannon, K., 2024, "AI Sentencing Cut Jail Time for Low-Risk Offenders, but Study Finds Racial Bias Persisted". *Tulane University News*, 23 January 2024, at <https://news.tulane.edu/pr/ai-sentencing-cut-jail-time-low-risk-offenders-study-finds-racial-bias-persisted>, accessed 7 October 2025.
- Braun, L.F., 2008, *The Cadastre and the Colony: Surveying, Territory, and Legibility in the Creation of South Africa, c.1860–1913*. PhD dissertation, Rutgers University.
- Brunette, A., 2024, "Humanizing Justice: The Transformational Impact of AI in Courts, from Filing to Sentencing". *Thomson Reuters*, 25 October 2024, at <https://www.thomsonreuters.com/en-us/posts/ai-in-courts/humanizing-justice/>, accessed 7 October 2025.
- Cabral, A., 1973, *Return to the Source*. New York, NY: Monthly Review Press.
- Cabral, A., 1988, *Estudos Agrários de Amílcar Cabral*. Lisboa and Bissau: IICT.
- Cajueiro, D.O. & V.R.R. Celestino, 2026, "A Comprehensive Review of Artificial Intelligence Regulation: Weighing Ethical Principles and Innovation". *Journal of Economy and Technology* 4, 77–91.
- Canfield, M.C. & B. Ntamabirweki, 2024, "Datafying African Agriculture: From Data Governance to Farmers' Rights". *Development* 67(5–13), 1–13.
- Carbonnier, J., 1976, *Flexible droit*. Paris: Librairie générale de droit et de jurisprudence.
- Castro, J.P., C.K. Gasch & P. Flores, 2024, "Artificial Intelligence in Soil Science: Where Do We Go Now?". *Agricultural & Environmental Letters* 9, 1–5.
- Césaire, S., 2012, *The Great Camouflage: Writings of Dissent (1941–1945)*. Middletown: Wesleyan University Press.
- Chemhuru, M., 2021, "Land Reform and Redistribution as Environmental Justice Frameworks for Post-colonial Africa". In: E. Masitera (ed.), *Philosophical Perspectives on Land Reform in Southern Africa*. Cham: Springer Nature, 225–240.
- Chen, B.M. & Z. Li, 2020, "How Will Technology Change the Face of Chinese Justice?". *Chinese Justice* 2020, 1–55.
- Chevallier, A. D. N. 2020. *Droit de l'investissement internationaux* (3rd ed.). Collection Études International. Montchrestien.
- Chevallier, J., 2015, *L'État de droit: Réflexion sur l'application des lois, la légitimité de la norme et les mécanismes institutionnels* (Coll. Clefs Politique). Paris: Montchrestien.
- Chichaibelu, B.B., H. Baumüller & M.A. Matschuck, 2023, "Protecting the Data of African Agricultural Producers: A Review of National Laws, Compliance and Perceptions". *Law, Innovation and Technology* 15(2), 617–661.
- Chigbu, U.E., E. Uwayezu & M. Katjuia, 2022, "Customary Versus Conventional Land Administration Systems in Sub-Saharan Africa". *African Journal on Land Policy and Geospatial Sciences* 5(4), 663–682.
- Chimhowu, A., 2019, "The 'New' African Customary Land Tenure: Characteristic Features and Policy Implications of a New Paradigm". *Land Use Policy* 81, 897–903.
- Chimuka, G., 2019, "Impact of Artificial Intelligence on Patent Law: Towards a New Analytical Framework". *World Patent Information* 59.
- Chinnaiyan, B., S. Balasubramanian, M. Jeyabalu & G.S. Warriar, 2024, "AI Applications – Computer Vision and Natural Language Processing". In: P.R. Chelliah, A.M. Rahmani, R. Colby, G. Nagasubramanian & S. Ranganath (eds.), *Model Optimization Methods for Efficient and Edge AI: Federated Learning Architectures, Frameworks and Applications*. Hoboken: Wiley-IEEE Press, Chapter 2.

- Chitonge, H., 2018, “Trails of Incomplete Decolonisation in Africa: The Land Question and Economic Structural Transformation”. *African Study Monographs. Supplementary Issue 57*, 21–43.
- Chondros, T.G., 2017, “Natural Philosophy and the Development of Mechanics and Engineering from the 5th Century B.C. to the Middle Ages”. *FME Transactions* 45, 603–619.
- Chuhan-Pole, P., A.L. Dabalen, A. Kotsadam, A. Sanoh & A. Tolonen, 2017, *Mining in Africa: Are Local Communities Better Off?* Paris/Washington, DC: Agence Française de Développement & World Bank.
- Clark, B. & J.B. Foster, 2012, “Guano”. In: A. Hornborg, B. Clark & K. Hermele (eds.), *Ecology and Power*. London: Routledge, 68–82.
- Clark, N., 2011, *Inhuman Nature: Sociable Life on a Dynamic Planet*. London: Sage.
- Clarke, K., C. Jollah & V. Nmehielle, 2019, “Introduction: Origins and Issues of the African Court of Justice and Human Peoples’ Rights”. In: C. Jollah, K. Clarke & V. Nmehielle (eds.), *The African Court of Justice and Peoples’ Rights in Context: Development and Challenges*. Cambridge: Cambridge University Press, 1–55.
- CNN World, 2025, “African Union Urges Adoption of World Map Showing Continent’s True Size”. *CNN World*, at <https://edition.cnn.com/2025/08/15/africa/africa-real-size-world-map-campaign-intl>, accessed 22 September 2025.
- Coetzee, J., 2024, “Cross-Border Data Flows and the Protection of Personal Information Act 4 of 2013 – Part I: The Territorial Scope Provision”. *Potchefstroom Electronic Law Journal* 27, 1–25.
- Combes, P.P., S. Magrini & M. Ndiaye, 2023, *An Anatomy of Urbanisation in Sub-Saharan Africa*. Washington, DC: World Bank, at <https://documents1.worldbank.org/curated/en/099415311272320571/pdf/IDU0faef6c000aaba0485209f0e08928760d9a57.pdf>, accessed 2 October 2025.
- Cooper, D., B. Haley, D. Govender, A. Mokdad & M. Mkhize, 2025, “Kenya’s AI Strategy 2025–2030: Signals for Global Companies Operating in Africa”. *CovAfrica (Inside Africa Blog)*, 1 April, at <https://www.cov africa.com/2025/04/kenyas-ai-strategy-2025-2030-signals-for-global-companies-operating-in-africa/>, accessed 27 October 2025.
- Cordonier Segger, M.-C. & D. Olawuyi, 2025, *Sustainable Development Law: Principles, Practices, and Prospects* (2 ed.). United Kingdom: Oxford University Press.
- Cotula, L., 2007, *Changes in “Customary” Land Tenure Systems in Africa*. London: International Institute for Environment and Development (IIED).
- Council of Europe, 2024, *Framework Convention on Artificial Intelligence and Human Rights, Democracy and the Rule of Law*. Council of Europe Treaty Series No. 225.
- Council of the European Union, 2025, “Council Adopts New Rules for Healthier and More Resilient European Soils”. *European Council*, at <https://www.consilium.europa.eu/en/press/press-releases/2025/09/29/council-adopts-new-rules-for-healthier-and-more-resilient-european-soils/>, accessed 3 March 2026.
- Coursera, 2025, “AI vs. Generative AI: The Differences Explained”. *Coursera*, at <https://www.coursera.org/articles/ai-vs-generative-ai>, accessed 2 October 2025.
- Craswell, E., 2021, “Fertilizers and Nitrate Pollution of Surface and Groundwater: An Increasingly Pervasive Global Problem”. *SN Applied Sciences* 3(4), 518.
- Crosby, A., 2009. *Ecological Imperialism: The Biological Expansion of Europe, 900-1900*. Cambridge, United Kingdom: Cambridge University Press.
- Cuatrecasas, undated, “New EU Directive on Soil Monitoring and Resilience”. *Cuatrecasas*, at <https://www.cuatrecasas.com/resources/new-eu-directive-on-soil-monitoring-and-resilience-694519fda4ab1032692762.pdf>, accessed 3 March 2026.
- Cuend, S. & B. Stern, 2017, *Droit des investissements internationaux: Perspective croisée*.

Bibliography

- Dadashpoor, H. & G. Shahhossein, 2024, “Defining Urban Sprawl: A Systematic Review of 130 Definitions”. *Habitat International* 146, 103039.
- Daneliya, G., 2025, “Development of AI Regulations in Russia”. *Law.asia*, at <https://law.asia/russia-ai-regulations-legal-framework-ethics/>, accessed 20 March 2026.
- Danic, O. 2012. *L'émergence d'un droit international des investissements: Contributions des traités bilatéraux d'investissement et de la jurisprudence du CIRDI*.
- Daniels, C., B. Erforth & C. Teevan, 2022, “Digitalisation for Transformation – New Frontiers for Africa–Europe Cooperation”. In: C. Daniels, B. Erforth & C. Teevan (eds.), *Africa–Europe Cooperation and Digital Transformation*, 1–16.
- Davidson, J.P.L., & F.C. da Silva, 2024, “Decolonising the Earth: Anticolonial Environmentalism and the Soil of Empire”. *Theory, Culture & Society* 41(6), 3–19.
- Davis, J.S., 2022, “Decolonising South African Agriculture – Bringing Dignity back to Small-scale Farming”. *African Journal of Inter/Multidisciplinary Studies* 4(1), 195–204.
- Davis, T. & W. Trott, 2024, “The Regulation of Artificial Intelligence Through Data Protection Laws: Insights from South Africa”. *African Journal on Privacy & Data Protection* 1, 207–219.
- Davis, T., M. Hunter, W. Trott & Z.A. Omar, 2022, *F.A.I.L.U.R.E to Access: Testing Transparency in Data Protection and Artificial Intelligence in South Africa*. Johannesburg: ALT Advisory.
- Davis, T., M. Hunter, Z.A. Omar & W. Trott, 2022, *AI Governance in Africa: An Overview of Regulation and Policy Work on Artificial Intelligence in Africa*. Johannesburg: ALT Advisory.
- Dazzi, C. & G. Lo Papa, 2022, “A New Definition of Soil to Promote Soil Awareness, Sustainability, Security, and Governance”. *International Soil and Water Conservation Research* 10(1), 99–108.
- De Nanteuil, A., 2020, *Droit de l'investissement internationaux* (3rd ed.). Montchrestien.
- De Vita, L. & C. Goschler, 2025, “Introduction Wassenaar, 1952: Redefining Reparations”. In: L. De Vita & C. Goschler (eds.), *Redefining Reparations: Wassenaar 1952 and the Global Politics of Repair*. New York: Routledge, 1–26.
- Demir, M., 2021, *A Critical Analysis of the Effectiveness of the United Kingdom Soil Protection Legislation from an Ecosystem Services Perspective*. PhD dissertation, Bournemouth University.
- Desai, B.H. & M. Mandal, 2021, “Role of Climate Change in Exacerbating Sexual and Gender-Based Violence Against Women: A New Challenge for International Law”. *Environmental Policy and Law* 51(3), 137–157.
- Desai, B.H., 2023, “Land–Soil Sustainability: India’s International Obligations”. In: B.H. Desai (ed.), *Soil Law and Governance in India*. International Yearbook of Soil Law and Policy. Cham: Springer Nature Switzerland AG, 3–26.
- Deutsche Bank, 2020, *Monthly Report: The EU Budget and its Financing: Looking Back and Ahead*.
- Dimkpa, C., W. Adzawla, R. Pandey, W.K. Atakora, A.K. Kouame, M. Jemo & P.S. Bindraban, 2023, “Fertilizers for Food and Nutrition Security in Sub-Saharan Africa: An Overview of Soil Health Implications”. *Frontiers in Soil Science* 3, 1123931.
- Dingmanse, M., undated, “Talen van Afrika”. *Stemmen van Afrika*, at <https://stemmenvanafrika.nl/talen-van-afrika/>, accessed 4 July 2025.
- Dixon, J., A. Gulliver & D. Gibbon, 2001, *Global Farming Systems Study: Challenges and Priorities to 2030—System Synthesis and Global Overview*. Rome: FAO.
- Dixon, J., D.P. Garrity, J.-M. Boffa, T.O. Williams, T. Amede, C. Auricht, R. Lott & G. Mburathi, 2020, *Farming Systems and Food Security in Africa: Priorities for Science and Policy under Global Change*. London/New York: Routledge, Taylor & Francis Group / ICRAF.
- Dominic, C., 2025, “AI Laws: A Global Overview with a Focus on Africa”. *Tech Culture Africa*, 9 April. At <https://techcultureafrica.com/ai-laws-africa>, accessed 27 October 2025.

- Dosunmu, D., 2025, “Big Tech’s ‘AI for Good’ Spending Increases in Africa. So does Skepticism”. *Rest of World*, 18 August 2025, at <https://restofworld.org/2025/africa-ai-for-good-big-tech/>, accessed 7 October 2025.
- DuFord, R., 2022, *Solidarity in Conflict: A Democratic Theory*. Redwood, CA: Stanford University Press.
- Dunphy, K., 2025, “ChatGPT for Lawyers: Uses, Prompts, and Best Practices”. *Spellbook Legal*, 21 October. At <https://www.spellbook.legal/learn/chatgpt-for-lawyers>, accessed 29 October 2025.
- Eckersley, R., 2016, “Responsibility for Climate Change as a Structural Injustice”. In: T. Gabrielson, C. Hall, J. Meyer & D. Schlosberg (eds.), *The Oxford Handbook of Environmental Political Theory*. Oxford: Oxford University Press, 346–361.
- Effiong, C.J., 2025, “Climate Justice in Land Use Planning: Exploring the Potential and Challenges of Nature-Based Solutions Integration in Nigeria”. *Journal of Environmental Management* 377, 1–12.
- Ehlers, K., 2016, “Chances and Challenges in Using the Sustainable Development Goals as a New Instrument for Global Action against Soil Degradation”. In: Ginzky, H., I.L. Heuser, T. Qin, O.C. Ruppel & P. Wegerdt (eds), *International Yearbook of Soil Law and Policy*, Vol. 1. Cham: Springer International Publishing, 73–84.
- Eickhoff, K., 2025, “Africa’s Place on the World Map”. *SWP*, at <https://www.swp-berlin.org/publikation/mta-spotlight-59-africas-place-on-the-world-map>, accessed 27 September 2025.
- EIP-AGRI / European Innovation Partnership for Agricultural Productivity and Sustainability, 2020, *Final Report: New Skills for Digital Farming*.
- Ejims, O. 2019. The 2016 Morocco–Nigeria Bilateral Investment Treaty: More Practical Reality in Providing a Balanced Investment Treaty? *ICSID Review – Foreign Investment Law Journal*, 34(1), 62–84.
- Ekhator, E., 2020, “Women’s Access to Environmental Justice in Nigeria”. *SSRN Working Paper*, at <https://ssrn.com/abstract=3719831>, accessed 2 October 2025.
- Engerman, S.L., 2009, “Apologies, Regrets and Reparations”. *European Review* 17(3–4), 593–610.
- European Commission, 2021a, “EU Biodiversity Strategy for 2030: Bringing Nature Back into Our Lives”. *European Commission*, at <https://data.europa.eu/doi/10.2779/677548>, accessed 11 March 2026.
- European Commission, 2021b, “EU Soil Strategy for 2030: Reaping the Benefits of Healthy Soils for People, Food, Nature and Climate”. *European Commission*, COM(2021) 699 final, at <https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=CELEX%3A52021DC0699>, accessed 11 March 2026.
- European Commission, 2021c, *Communication from the Commission to the European Parliament, the Council, the European Economic and Social Committee and the Committee of the Regions: EU Soil Strategy*, COM (2021) 699 final.
- European Commission, 2023, “Proposal for a Directive of the European Parliament and of the Council on Soil Monitoring and Resilience (Soil Monitoring Law)”. *European Commission*, COM(2023) 416 final, at <https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=CELEX:52023PC0416>, accessed 11 March 2026.
- European Commission, 2025, “The Soil Monitoring Law is Published in the EU Official Journal”. *European Commission*, at <https://mission-soil-platform.ec.europa.eu/news-events/latest-news/soil-monitoring-law-published-eu-official-journal>, accessed 3 March 2026.
- European Commission, undated, “AI Act”. *European Commission*, at <https://digital-strategy.ec.europa.eu/en/policies/regulatory-framework-ai>, accessed 11 July 2025.

Bibliography

- European Commission, undated, “EU Soil Observatory (EUSO)”. *Joint Research Centre: EU Science Hub*, at https://joint-research-centre.ec.europa.eu/eu-soil-observatory-euso_en, accessed 3 August 2025.
- European Commission, undated, “Horizon Europe”. *EU Funding & Tenders Portal*, at <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/programmes/horizon>, accessed 5 July 2025.
- European Commission, undated, “Soil Monitoring Law”. *European Commission*, at https://environment.ec.europa.eu/topics/soil-health/soil-monitoring-law_en#timeline, accessed 3 March 2026.
- European Commission, undated, “Soil Strategy for 2030”. *European Commission*, at https://environment.ec.europa.eu/topics/soil-health/soil-strategy-2030_en, accessed 9 July 2025.
- European Commission High-Level Expert Group on Artificial Intelligence, 2018, *A Definition of AI: Main Capabilities and Scientific Disciplines*. Brussels: European Commission.
- European Parliament, 2025, “EU AI Act: First Regulation on Artificial Intelligence”. *European Parliament*, at <https://www.europarl.europa.eu/topics/en/article/20230601STO93804/eu-ai-act-first-regulation-on-artificial-intelligence>, accessed 2 October 2025.
- European Parliament & Council of the European Union, 2025, “Directive (EU) 2025/2360 of the European Parliament and of the Council of 12 November 2025 on Soil Monitoring and Resilience (Soil Monitoring Law)”. *Official Journal of the European Union L series*, at https://eur-lex.europa.eu/legal-content/EN/TXT/HTML/?uri=OJ:L_202502360, accessed 11 March 2026.
- European Soil Partnership, 2025, “European Parliament Adopts First-Ever Soil Monitoring Law”. *European Soil Partnership*, at <https://www.europeansoilpartnership.org/news-page/european-parliament-adopts-first-ever-soil-monitoring-law>, accessed 11 March 2026.
- European Union, undated, “About Copernicus”. *Copernicus Programme*, at <https://www.copernicus.eu/en>, accessed 3 August 2025.
- FALL, C. L. 2018. *La protection juridique des investissements directs étrangers dans les pays en développement: l'exemple de l'Afrique de l'ouest*.
- FAO / Food and Agriculture Organization. 2011. *La pratique de la gestion durable des terres: Directives et bonnes pratiques pour l'Afrique subsaharienne*.
- FAO / Food and Agriculture Organization of the United Nations, 2013, *Children's Work in the Livestock Sector: Herding and Beyond*. Rome: Economic and Social Development Department, FAO.
- FAO / Food and Agriculture Organization of the United Nations, 2015, *Healthy Soils are the Basis for Healthy Food Production*. International Year of Soils. Rome.
- FAO / Food and Agriculture Organization of the United Nations, 2017, *Voluntary Guidelines for Sustainable Soil Management (VGSSM)*. Rome: FAO.
- FAO / Food and Agriculture Organization of the United Nations, 2018, *Pastoralism in Africa's drylands: Reducing risks, addressing vulnerability and enhancing resilience*. Rome: FAO.
- FAO / Food and Agriculture Organization of the United Nations, 2019, *Mainstreaming Gender for Sustainable Soil Management: Report of Activity No. 161, 23 September – 25 October 2019 (Global Forum on Food Security and Nutrition)*. Rome: FAO.
- FAO / Food and Agriculture Organization of the United Nations, 2021, *Boosting Smallholder Resilience for Recovery: Restoring Soil Health and Productivity for Safe, Nutritious and Resilient Agri-Food Systems*. Rome: FAO.
- FAO / Food and Agriculture Organization of the United Nations, 2023a, *Addressing Gender Equality in Sustainable Soil Management: A Technical Guide for Policymakers and Field Practitioners*. Rome: FAO.

- FAO / Food and Agriculture Organization of the United Nations, 2023b, *Soils, Where Food Begins: How Can Soils Continue to Sustain the Growing Need for Food Production in the Current Fertiliser Crisis?* ITPS Soil Letter, Issue #6. Rome: FAO.
- FAO / Food and Agriculture Organization of the United Nations, 2024, *The unjust climate: Measuring the impacts of climate change on the rural poor, women and youth*. Rome: FAO.
- FAO / Food and Agriculture Organization of the United Nations, 2025a, “Pan-African Parliament Breaks New Ground with Landmark Soil and Gender Laws”. *FAO*, at <https://www.fao.org/policy-support/news/detail/pan-african-parliament-breaks-new-ground-with-landmark-soil-and-gender-laws/en>, accessed 11 March 2026.
- FAO / Food and Agriculture Organization, 2025b, “African Parliamentarians Adopt Landmark Model Laws on Soil Management and Gender Equality”. *FAO*, at <https://www.fao.org/partnerships/parliamentary-alliances/news/news-article/en/c/1754895/>, accessed 19 March 2026.
- FAO / Food and Agriculture Organization of the United Nations, 2025c, *Restoring Southern Africa’s soils: The path to food security and sustainable agriculture*. Rome: FAO.
- FAO / Food and Agriculture Organization of the United Nations, undated, *Women’s Contributions to Agricultural Production and Food Security: Current Status and Perspectives*. Rome: FAO, at <https://www.fao.org/4/X0198E/x0198e02.htm>, accessed 2 October 2025.
- FAO / Food and Agriculture Organization of the United Nations, undated, “Global Soil Partnership”. *FAO*, at <https://www.fao.org/global-soil-partnership/regional-partnerships/africa/en/>, accessed 6 July 2025.
- Fawad, A., 2025, “Prioritizing Gender Law and Policy Aspects of Climate Action”. In: M.C. Cordonier-Segger & C. Voigt (eds.), *Routledge Handbook of Climate Law and Governance – Courage, Contributions and Compliance*. London/New York: Routledge, 367–380.
- Ferencz, J., J. López-González & I. Oliván García, 2022, *Artificial Intelligence and International Trade: Some Preliminary Implications*. OECD Trade Policy Paper No. 260. Paris: OECD Publishing.
- Filipova, I.A., 2024, “Legal Regulation of Artificial Intelligence: Experience of China”. *Journal of Digital Technologies and Law* 2, 46–73.
- Fischer, A.M. & S. Storm, 2023, “The Return of Debt Crisis in Developing Countries: Shifting or Maintaining Dominant Development Paradigms?”. *Development and Change* 54(5), 954–993.
- Fitz-Henry, E., & E. Klein, 2024, “From Just Transitions to Reparative Transformations”. *Political Geography* 108, 1.
- Fleming, S., 2025, “What is digital sovereignty and how are countries approaching it?”. *World Economic Forum*, 10 January. At <https://www.weforum.org/stories/2025/01/europe-digital-sovereignty/>, accessed 27 October 2025.
- Floridi, L., 2021, “The European Legislation on AI: A Brief Analysis of Its Philosophical Approach”. *Philosophy & Technology* 34, 215–222.
- Flowers, J.C., 2019, “Strong and Weak AI: Deweyan Considerations”. *AAAI Spring Symposium: Towards Conscious AI Systems* 2019, 114.
- Forrest, K.B., 2024, “The Ethics and Challenges of Legal Personhood for AI”. *Yale Law Journal* 133.
- Förster, T., 2023, “Alternatives to Restitution under Consideration. Local Perspectives on a Global Problem”. In: T. Sandkühler, A. Eppe & J. Zimmerer (eds.), *Historical Culture by Restitution? A Debate on Art, Museums, and Justice*. Leiden: Koninklijke Brill NV, 177–194.
- Fox, S., 2024, “Soil Governance and Private Property”. *Utah Law Review* 1, 1–56.
- Freeman, K., 2016, “Algorithmic Injustice: How the Wisconsin Supreme Court Failed to Protect Due Process Rights in *State v. Loomis*”. *North Carolina Journal of Law and Technology* 18, 75–106.

Bibliography

- Fritzsche, K. & D. Spoiala, 2022, “The EU–AU Digital Partnership – Between Digital Geopolitics and Digital Sovereignty”. In: C. Daniels, B. Erforth & C. Teevan (eds.), *Africa–Europe Cooperation and Digital Transformation*, 17–31.
- From Lagos to the World (TTT Media), 2025, “Google’s AI Forecasts Rain for Africa: A Game-Changer in Weather Prediction”. *Medium*, 2 April 2025, at <https://medium.com/@FromLagosto/googles-ai-forecasts-rain-for-africa-a-game-changer-in-weather-prediction-567b5c8f02eb>, accessed 7 October 2025.
- Gabor, D. & N.S. Sylla, 2023, “Derisking Developmentalism: A Tale of Green Hydrogen”. *Development and Change* 54(5), 1169–1196.
- Gardezi, M., B. Joshi, D.M. Rizzo, M. Ryan, E. Prutzer, S. Brugler & A. Dadkhah, 2024, “Artificial Intelligence in Farming: Challenges and Opportunities for Building Trust”. *Agronomy Journal* 116, 1217–1228.
- Gatla, T.R., 2024, “An Innovative Study Exploring Revolutionizing Healthcare with AI: Personalized Medicine, Predictive Diagnostic Techniques and Individualized Treatment”. *International Journal of Advanced Research and Interdisciplinary Scientific Endeavours* 2, 61–70.
- Gaur, A., A.K. Ray & S.J. Saxena, 2024, “Diabetes Prediction Using Supervised Machine Learning”. In: M. Pandit, N. Paliwal, S.K. Rajput & T.P. Singh (eds.), *Smart Engineering Technology and Management (Proceedings of ISCMCTR–2023)*. New Delhi: Bharti Publications, 111–115.
- Gedeon, J., 2025, “US Suspends Aid to South Africa After Trump Order”. *The Guardian*, at <https://www.theguardian.com/us-news/2025/mar/06/aid-trump-south-africa>, accessed 27 September 2025.
- Ghebretekle, T.B., 2017, “Traditional Natural Resource Conflict Resolution in East Africa: A Comparison of Formal Legal Systems in Ethiopia and Kenya”. *African Journal on Conflict Resolution* 17(1).
- Gilbert, P., 2025, “Google Commits \$37M to Advancing AI in Africa”. *Connecting Africa*, 24 July 2025, at <https://www.connectingafrica.com/ai/google-commits-37m-to-advancing-ai-in-africa>, accessed 7 October 2025.
- Ginzky, H., 2021, “Soil Protection Governance in Germany”. In: Ginzky, H., E. Dooley, I.L. Heuser, P. Kameri-Mbote, R. Kibugi, T. Markus & O.C. Ruppel (eds), *International Yearbook of Soil Law and Policy, Vol. 4*. Cham: Springer International Publishing, 295–333.
- Ginzky, H., 2022, “Soil Governance: The Case of Implementation and Enforcement”. *Soil Security*, Special Issue “Soil Governance”, 6.
- Ginzky, H., 2023, “Soil Governance at the International, Regional and National Level”. In *Encyclopedia of Soils in the Environment* 3, 532–546.
- Ginzky, H., 2024, “A New Soil Protection Legislation for Germany – Challenges, Conceptual Approaches and Next Steps”. *Soil Security* (Special Issue II: Soil Governance).
- Ginzky, H. & S. Pieper, 2025, “Soil Legislation by the European Union: An EU ‘Soil Monitoring Law’ on the Horizon?”. In: Ginzky, H., O.C. Ruppel, I.L. Heuser, D. Grinlinton, A. Khatibi, P. Kameri-Mbote & N. Rodriguez-Eugenio (eds), *International Yearbook of Soil Law and Policy, Vol. 7*. Cham: Springer International Publishing, 411–433.
- Ginzky, H. & O.C. Ruppel, 2025a, “Digitalisation, Artificial Intelligence and Sustainability in the Context of Sustainable Soil Management: The Future Role of Law and Governance?”. In: H. Ginzky, O.C. Ruppel, I.L. Heuser, D. Grinlinton, A. Khatibi, P. Kameri-Mbote & N. Rodriguez-Eugenio (eds), *International Yearbook of Soil Law and Policy 2025*. Cham: Springer, 249–270.
- Ginzky, H. & O.C. Ruppel, 2025b, “Executive Summary”. In: Ruppel, O.C., H. Ginzky & R. Murray (eds), *Legal Pathways to Sustainable Soil Management in Africa: Insights from Botswana, Burkina*

- Faso, Cameroon, Kenya, Madagascar, Morocco, Mozambique, Namibia, South Africa, Uganda and Zambia. Baden-Baden: Nomos, 19–42.
- Ginzky, H., I.L. Heuser, T. Qin, O.C. Ruppel & P. Wegerdt (eds), 2017, *International Yearbook of Soil Law and Policy 2016*. Cham: Springer International Publishing.
- Ginzky, H., E. Dooley, I.L. Heuser, E. Kasimbazi, T. Markus & T. Qin (eds), 2018, *International Yearbook of Soil Law and Policy 2017*. Cham: Springer International Publishing.
- Ginzky, H., E. Dooley, I.L. Heuser, E. Kasimbazi, T. Markus & T. Qin (eds), 2019, *International Yearbook of Soil Law and Policy 2018*. Cham: Springer International Publishing.
- Ginzky, H., E. Dooley, I.L. Heuser, E. Kasimbazi, R. Kibugi, T. Markus, T. Qin & O.C. Ruppel (eds), 2021a, *International Yearbook of Soil Law and Policy 2019*. Cham: Springer International Publishing.
- Ginzky, H., P. Kameri-Mbote, C.F. Tamasang, T.P. Sambo & O.C. Ruppel, 2021b, “Mapping Out Options for Model Legislation for Sustainable Soil Management in Africa”. In: *African Soil Protection Law – Mapping Out Options for a Model Legislation for Improved Sustainable Soil Management in Africa – A Comparative Legal Analysis from Cameroon, Kenya and Zambia*. Baden-Baden: Nomos, 379–454.
- Ginzky, H., E. Dooley, I.L. Heuser, P. Kameri-Mbote, R. Kibugi, T. Markus & O.C. Ruppel (eds), 2022, *International Yearbook of Soil Law and Policy 2020/2021*. Cham: Springer International Publishing.
- Ginzky, H., F. De Andrade Corrêa, E. Dooley, I.L. Heuser, P. Kameri-Mbote, R. Kibugi & O.C. Ruppel (eds), 2024, *International Yearbook of Soil Law and Policy 2022*. Cham: Springer International Publishing.
- Ginzky, H., D. Grinlinton, I.L. Heuser, P. Kameri-Mbote, A. Khatibi, N. Rodriguez-Eugenio & O.C. Ruppel (eds), 2026, *International Yearbook of Soil Law and Policy 2025*. Cham: Springer International Publishing.
- GIZ / Deutsche Gesellschaft für Internationale Zusammenarbeit, 2020, *The Renewable Energy Transition in Africa: Powering Access, Resilience and Prosperity*. Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ).
- Gladwin, C.H., 2002, “Gender and Soil Fertility in Africa: Introduction”. *African Studies Quarterly* 6(1&2).
- Gooden, A., & D. Thaldar, 2024, “The Proposed Code of Conduct for Research in South Africa: Despite Good Progress, Unresolved Issues Remain”. *Humanities and Social Sciences Communications* 11(251).
- Graf, S., 2025, “Law, Time, and (in)justice After Empire: Germany’s Objection to Colonial Reparations and the Chronopolitics of Deflection”. *International Theory*, 1–28.
- GRAIN, 2021, “Digital Control: How Big Tech Moves into Food and Farming (and What It Means)”. *GRAIN*, 21 January 2021, at <https://grain.org/en/article/6595-digital-control-how-big-tech-moves-into-food-and-farming-and-what-it-means>, accessed 7 October 2025.
- Gravett, W.H., 2022, “Digital Neocolonialism: The Chinese Surveillance State in Africa”. *African Journal of International and Comparative Law* 30(1), 39–58.
- Greenwood, J. & C. Roederer-Rynning, 2018, “The EU’s Lawmaking Process in a Comparative Perspective”. In: O. Costa (ed.), *The European Parliament in Times of Crisis: Dynamics and Transformations*. Cham: Palgrave Macmillan, 121–141.
- Gret, 2024, “The Challenges of Land Governance in West Africa and Madagascar”, March. At <https://gret.org/en/the-challenges-of-land-governance-in-west-africa-and-madagascar/>, accessed 2 October 2025.

Bibliography

- Gualdi, F. & A. Cordella, 2021, *Artificial Intelligence and Decision-Making: The Question of Accountability*, Proceedings of the 54th Hawaii International Conference on System Sciences.
- Guest, B., 2007, “The ‘Row about the Great Diamond’: The Presentation of the Cullinan Diamond to the British Crown, 1907”. *Historia* 52(2), 112–124.
- Guillermin, P., 2019, *L’élaboration et la mise en œuvre des politiques publiques: Approche structurée sur les dispositifs administratifs d’application des textes législatifs*. Paris: LGDJ.
- Habermas, R., 2023, “Rescue Paradigm and Preservation Fetishism or: The Restitution Debate—Deep-Rooted in European Modernity?”. In: T. Sandkühler, A. Epple & J. Zimmerer (eds.), *Historical Culture by Restitution? A Debate on Art, Museums, and Justice*. Leiden: Koninklijke Brill NV, 91–112.
- Hacker, P., 2023, “Sustainable AI Regulation”. SSRN https://papers.ssrn.com/sol3/papers.cfm?abstract_id=4467684.
- Hackmack, J. & W. Kaleck, 2023, “Why Restitutions Matter: A Legal Reasoning”. In: T. Sandkühler, A. Epple & J. Zimmerer (eds.), *Historical Culture by Restitution? A Debate on Art, Museums, and Justice*. Leiden: Koninklijke Brill NV, 399–424.
- Hägele, R., G.I. Iacobuță, & J. Tops, 2022, “Addressing Climate Goals and the SDGs Through a Just Energy Transition? Empirical Evidence from Germany and South Africa”. *Journal of Integrative Environmental Sciences* 19(1), 85–120.
- Hagos, T. & S. Dersso, 2025, “Is the AU Addressing the Challenges to Effective Enforcement of its Norm Banning Unconstitutional Changes of Government?”. *Amani Africa*, at <https://amaniafrica-et.org/is-the-au-addressing-the-challenges-to-effective-enforcement-of-its-norm-banning-unconstitutional-changes-of-government2/>, accessed 9 July 2025.
- Hall, C.M., 2019, “Constructing Sustainable Tourism Development: The 2030 Agenda and the Managerial Ecology of Sustainable Tourism”. *Journal of Sustainable Tourism* 27(7), 1044–1060.
- Hannam, I., 2006, “International and National Legal and Institutional Frameworks for Sustainable Use of Soil”. *South African Journal of Environmental Law and Policy* 13, 223–232.
- Harvey, F., 2025, “Energy Demands from AI Datacentres to Quadruple by 2030, Says Report”. *The Guardian*, 10 April 2025, at <https://www.theguardian.com/technology/2025/apr/10/energy-demands-from-ai-datacentres-to-quadruple-by-2030-says-report>, accessed 7 October 2025.
- Häusling, M., 2025, “Soil Monitoring and Resilience (Soil Monitoring Directive): The New – and First – EU Directive on Soil”. *European Parliament*, at <https://www.europarl.europa.eu/>, accessed 11 March 2026.
- Heinrich-Böll-Stiftung, 2024, *The Soil Atlas: Facts and Figures About a Vital Resource*.
- Herder, J.G., 2004, *Another Philosophy of History and Selected Political Writings*. Indianapolis: Hackett Publishing.
- Heuser, I., 2022, “Soil Governance in Current European Union Law and in the European Green Deal”. *Soil Security* 6, 1–6.
- Heuser, I.L. & I. Itey, 2021, “The European Green Deal: Progress for Soil Protection?”. In: Ginzky, H., E. Dooley, I.L. Heuser, P. Kameri-Mbote, R. Kibugi, T. Markus & O.C. Ruppel (eds), *International Yearbook of Soil Law and Policy*, Vol. 5. Cham: Springer International Publishing, 263–304.
- Hickel, J., 2020, *Less Is More: How Degrowth Will Save the World*. New York, NY: Random House.
- Hilliard, A., 2023, “How is Brazil Leading South America’s AI Legislation Efforts?”. *Holistic AI*, at <https://www.holisticai.com/blog/brazil-ai-legislation-proposals>, accessed 20 March 2026.
- Hilliard, A., A. Gulley, E. Kazim & A.S. Koshiyama, 2026, “Artificial Intelligence Policy Worldwide: A Comparative Analysis”. *Royal Society Open Science* 13(2).

- Hinz, M.O. & O.C. Ruppel (eds.), 2008, *Biodiversity and the Ancestors: Challenges to Customary and Environmental Law. Case Studies from Namibia*. Windhoek: Namibia Scientific Society.
- Hinz, M.O., O.C. Ruppel & C. Mapaure (eds.), 2012, *Knowledge Lives in the Lake: Case Studies in Environmental and Customary Law from Southern Africa*. Windhoek: Namibia Scientific Society, 274 pp.
- Holmes, G., 2012, "Biodiversity for Billionaires: Capitalism, Conservation and the Role of Philanthropy in Saving/selling Nature". *Development and Change* 43(1), 185–203.
- Hooghe, L. & G. Marks, 2019, "Grand Theories of European Integration in the Twenty-first Century". *Journal of European Public Policy* 26(8), 1113–1133.
- Hou, D., X. Jia, L. Wang, S.P. McGrath, Y.-G. Zhu, Q. Hu, F.-J. Zhao, M.S. Bank, D. O'Connor & J. Nriagu, 2025, "Global Soil Pollution by Toxic Metals Threatens Agriculture and Human Health". *Science* 388, 316–321.
- Howard-Hassmann, R.E., 2004, "Reparations to Africa and the Group of Eminent Persons". *Cahiers d'études africaines* XLIV(1–2), 173–74.
- Hu, B. & A. Au, 2025, "China Resets the Path to Comprehensive AI Governance". *East Asia Forum*, 25 December. Available at: <https://eastasiaforum.org/2025/12/25/china-resets-the-path-to-comprehensive-ai-governance/>.
- Hughes, K.M., 2021, "Climate and Gender Justice in Sub-Saharan Africa: Emerging Trends Post-Paris 2015". *Wisconsin International Law Journal* 38, 197–230.
- Hunt, T., 2019, "Should Museums Return their Colonial Artefacts?". *The Guardian*, at <https://www.theguardian.com/culture/2019/jun/29/should-museums-return-their-colonial-artefacts>, accessed 22 September 2025.
- Hunter, Q., 2025, "Is South Africa 'Confiscating Land', Targeting some Groups as Trump Claims?". *Aljazeera*, at <https://www.aljazeera.com/news/2025/2/5/is-south-africa-confiscating-land-targeting-some-groups-as-trump-claims>, accessed 27 September 2025.
- Hunt-Hendrix, L. & A. Taylor, 2024, *Solidarity: The Past, Present, and Future of a World-Changing Idea*. New York: Pantheon.
- iAfrica, 2025, "Africa's First AI Factory Underway as Cassava and Nvidia Deploy 3,000 GPUs in South Africa". *iAfrica*, at <https://iafrica.com/africas-first-ai-factory-underway-as-cassava-and-nvidia-deploy-3000-gpus-in-south-africa/>, accessed 7 October 2025.
- Ibbott, S., 2025, "A Weak Deal for Europe's Soils". *European Environmental Bureau*, at <https://eeb.org/a-weak-deal-for-europes-soils>, accessed 12 July 2025.
- Ibrahim, I.M. & A.M. Abdulazeez, 2021, "The Role of Machine Learning Algorithms for Diagnosing Diseases". *Journal of Applied Science and Technology Trends* 2, 10–19.
- Idugie, G.O. & A.U. Onochie, 2025, "Regulatory Frameworks and Challenges in the Repatriation of Benin Artefacts: A Postcolonial African Perspective on Cultural Heritage Preservation". *African Journal of Law and Human Rights (AJLHR)* 9(1), 70.
- Ikram, I., 2025, "The Intersection of Environmental Law and Climate Justice in India: A Critical Analysis". *Indian Journal of Integrated Research in Law* 5(2), 1136–1147.
- ILO / International Labour Organisation, 2023, *Just Transition Policy Brief*.
- International Bar Association & Center for AI and Digital Policy, 2024, *The Future is Now: Artificial Intelligence and the Legal Profession*. September.
- International Commission of Jurists, 2022, *Digital Technologies and Human Rights: A Legal Framework*. Briefing Paper, May.

Bibliography

- IPCC / Intergovernmental Panel on Climate Change, 2019, *Climate Change and Land: An IPCC Special Report on Climate Change, Desertification, Land Degradation, Sustainable Land Management, Food Security, and Greenhouse Gas Fluxes in Terrestrial Ecosystems*.
- IPCC / Intergovernmental Panel on Climate Change, 2022, “Summary for Policy Makers” in *Climate Change 2022: Impacts, Adaptation, and Vulnerability*. Working Group II to the Sixth Assessment Report.
- ITPS / Intergovernmental Technical Panel on Soils, 2023, *Soil Letters #6: Soils, Where Food Begins – How Can Soils Continue to Sustain the Growing Need for Food Production in the Current Fertilizer Crisis?* Rome: Food and Agriculture Organization of the United Nations (FAO).
- Jackson, I., D. Ivanov, A. Dolgui & J. Namdar, 2024, “Generative Artificial Intelligence in Supply Chain and Operations Management: A Capability-Based Framework for Analysis and Implementation”. *International Journal of Production Research* 62, 6120–6145.
- Jayaraman, S., M. Krishna, G.S. Yadav & R. Lal, 2023, “Sustainable Soil Management: Challenges, Prospects, and Benefits”. In: S. Jayaraman, R.C. Dalal & R. Lal (eds.), *Sustainable Soil Management: Beyond Food Production*. Newcastle upon Tyne: Cambridge Scholars Publishing, 1–22.
- Jenkins, K., D. McCauley, R. Heffron, H. Stephan & R. Rehner, 2016, “Energy Justice: A Conceptual Review”. *Energy Research & Social Science* 11, 174–182.
- Jensen, D. & S. Halle, 2015, *Natural Resources and Conflict: A Guide for Mediation Practitioners*. Nairobi: United Nations Environment Programme.
- Johnson, K.B., W.-Q. Wei, D. Weeraratne, M.E. Frisse, K. Misulis, K. Rhee, J. Zhao & J.L. Snowdon, 2021, “Precision Medicine, AI, and the Future of Personalized Health Care”. *Clinical and Translational Science* 14, 86–93.
- Jones, K. & M. Buchser, 2022, “Challenges of AI”. *Chatham House*, at <https://www.chatham-house.org/2022/03/challenges-ai>, accessed 7 October 2025.
- Judge, B., M. Nitzberg & S. Russell, 2025, “When Code Isn’t Law: Rethinking Regulation for Artificial Intelligence”. *Policy and Society* 44, 85–97.
- Ka Mtuze, S.S. & M. Morige, 2024, “Towards Drafting Artificial Intelligence (AI) in South Africa”. *Obiter* 161–180.
- Kairouan, A. 2024. *Le Maroc et le droit international des investissements étrangers*. Legitech L.G.D.J., Collection Droit et Économie.
- Kameoka, K. & M.A. Takahashi, 2025, “Social and Ecological Sustainability of Land Improvement and Soil Use in the Japanese Agricultural Sector: Focusing on Gender Equality and Biodiversity”. In: Ginzky, H., O.C. Ruppel, I.L. Heuser, D. Grinlinton, A. Khatibi, P. Kameri-Mbote & N. Rodriguez-Eugenio (eds), *International Yearbook of Soil Law and Policy*, Vol. 7. Cham: Springer International Publishing, 477–490.
- Kameri-Mbote, P. & P. Cullet, 1997, “Law, Colonialism and Environmental Management in Africa”. *Review of European Community and International Environmental Law* 6(1), 23–31.
- Kameri-Mbote, P., 2007, “Access, Control, and Ownership: Women and Sustainable Environmental Management in Africa”. *Agenda: Empowering Women for Gender Equity* 72, 36–46.
- Karpiuk-Wawryszuk, N. & K. Kasproicz, 2025, “Legal Cultures and Strategies for Implementing Artificial Intelligence Regulations: Case Studies of the United States, People’s Republic of China and European Union”. *Teka Komisji Prawniczej PAN Oddział w Lublinie* 18(1), 131–147.
- Kasimbazi, E., 2017, *Land Tenure and Rights for Improved Land Management and Sustainable Development (Global Land Outlook Working Paper)*. Bonn: United Nations Convention to Combat Desertification.

- Kassem, H.S., M.A. Hussein & H. Ismail, 2021, "Toward Fraudulent Pesticides in Rural Areas: Do Farmers' Recognition and Purchasing Behaviours Matter?" *Agronomy* 11(9), 1882.
- Kassner, L. & O.C. Ruppel, 2025, "Soil Protection under African Union Law: Status Quo and Developmental Perspectives based on a Comparative Analysis with European Union Law". In: O. C. Ruppel, H. Ginzky & R. Murray (eds), *Legal Pathways to Sustainable Soil Management in Africa: Insights from Botswana, Burkina Faso, Cameroon, Kenya, Madagascar, Morocco, Mozambique, Namibia, South Africa, Uganda and Zambia*. Baden-Baden: Nomos, 749–803.
- Kataray, T., R. Kumar & P. Saini, 2023, "Integration of Smart Grid with Renewable Energy Sources: Opportunities and Challenges – A Comprehensive Review". *Sustainable Energy Technologies and Assessments* 58, 103363.
- Katzav, G., 2022, "Has POPIA Adequately Prepared People to Exercise Their Right Not to Be Subject to Automated Decision-Making?". *De Rebus*, 1 September 2022, at <https://www.derebus.org.za/has-popia-adequately-prepared-people-to-exercise-their-right-not-to-be-subject-to-automated-decision-making/>, accessed 7 October 2025.
- Keet, A. & D. Rafaely, 2025, "'Beyond' Critique: Universities, Human Rights, Decolonisation, and the Sustainable Development Goals". *Comparative Education* 61(3), 461–479.
- Kelley, R.D.G., 2002, *Freedom Dreams: The Black Radical Imagination*. Boston, MA: Beacon Press.
- Kelly, A.M. & N.L. Nembot, 2025, "Understanding the Nexus: Economic Complexity and Environmental Degradation in Sub-Saharan Africa". *Clean Technologies and Environmental Policy* 27, 423–437.
- Khodorov, S., Z. Jabbarov & T. Shamsiddinov, 2023, "Soil Governance: A Review of the Current Legislative Framework for Managing Soil Resources in Uzbekistan". *Soil Security* 13, 100105.
- Kidd, M., 2010, "Public Interest Environmental Litigation: Recent Cases Raise Possible Obstacles". *Potchefstroom Electronic Law Journal* 13(5), 27–45.
- Kinhoh, H., 2023, "Why Aren't More African Union Decisions on Security Implemented". *Institute for Security Studies*, at <https://issafrica.org/iss-today/why-arent-more-african-union-decisions-on-security-implemented>, accessed 9 July 2025.
- Klesmith, E.A., 2014, "Nigeria and Mali: The Case for Repatriation and Protection of Cultural Heritage in Post-Colonial Africa". *Notre Dame Journal of International & Comparative Law* 4(1), 45.
- Klutse, A.R., A. Bationo & A. Mando, 2018, "Socioeconomic Determinants and Trends in Fertilizer Use in West Africa". In: *Improving the Profitability, Sustainability, and Efficiency of Nutrients through Site-specific Fertilizer Recommendations in West African Agro-ecosystems: Volume 1*. Cham: Springer, 253–274.
- Kok-Chor, T. 2007. "Colonialism, Reparations and Global Justice". In: J. Miller & R. Kumar (eds.), *Reparations: Interdisciplinary Inquiries*. Oxford: Oxford University Press, 280–306.
- Krauss, J.E., 2021, "Decolonizing Conviviality and Convivial Conservation: Towards a Convivial SDG 15, Life on Land?". *Journal of Political Ecology* 28(1), 945–967.
- Kribek, B., I. Nyambe, O. Sracek, M. Mihaljevič, V. Majer & F. Veselovsky, 2023, "Impact of Mining and Ore Processing on Soil, Drainage, and Vegetation in the Zambian Copperbelt Mining Districts: A Review". *Minerals* 13(3), 384.
- Krzywoszyńska, A. & G. Marchesi, 2020, "Toward a Relational Materiality of Soils". *Environmental Humanities* 12(1), 190–204.
- Kudama, G., M. Dangia, H. Wana & B. Tadese, 2021, "Will Digital Solutions Transform Sub-Saharan African Agriculture?". *Artificial Intelligence in Agriculture* 5, 292–300.

Bibliography

- Kumar, K., A. Palit, S. Sindhu, D. Divya, Yogita, R.L. Moharana, S. Hansda & A. Kumar, 2024, "Artificial Intelligence and Machine Learning in Soil Analysis Innovations for Sustainable Agriculture: A Review". *International Journal of Advanced Biochemistry Research* 8, 869–878.
- Kuyoro, M. & U. Bagus, A. Benschir & Z. Bobat, 2025, "Leading, Not Lagging: Africa's Gen AI Opportunity". *McKinsey & Company*, 12 May 2025, at <https://www.mckinsey.com/capabilities/quantumblack/our-insights/leading-not-lagging-africas-gen-ai-opportunity>, accessed 7 October 2025.
- Kuzelewska, E., 2014, "Unity in Diversity, the Language of the European Union". *Studies in Logic, Grammar and Rhetoric* 38(51), 151–165.
- Kwarkye, T. G., 2025, "AI Policies in Africa: Lessons from Ghana and Rwanda". *The Conversation*, 25 April. At <https://theconversation.com/ai-policies-in-africa-lessons-from-ghana-and-rwanda-253642>, accessed 27 October 2025.
- Kyere-Boateng, R. & M.V. Marek, 2021, "Analysis of the Social-Ecological Causes of Deforestation and Forest Degradation in Ghana: Application of the DPSIR Framework". *Forests* 12(4), 409.
- Lahiri, B. & W.A. Darity Jr., 2024, "Global North–South Reparations: Demand-side and Supply-side Policies with a Dynamic View of International Trade and Finance". *Forum* 55(4), 1–21.
- Laker, M.C., 2023, "Environmental Impacts of Gold Mining – With Special Reference to South Africa". *Mining* 3(2), 205–227.
- Lamodiere, J. 1977. *L'évolution du droit des investissements étrangers au Maroc*. Centre de recherches et d'études sur les sociétés méditerranéennes.
- Lane, M., 2016, "Political Theory on Climate Change". *Annual Review of Political Science* 19, 107–123.
- Lang, M.K., 2017, "Land Disputes Between the Catholic Church and the Indigenes of Weh Fondom, 1957–1996". *Ghana Social Science Journal* 14(1), 109–138.
- Langan, M., 2018, *Neo-colonialism and the Poverty of 'Development' in Africa*. Cham: Springer.
- Laurens, N., 2023, "Institutional Adaptation in Slow Motion: Zooming in on Desertification Governance". *Global Environmental Politics* 23(2), 31.
- Lavie, J. P., & Virally, M. 2015. *Protection et promotion des investissements étrangers: Étude de droit économique*.
- Lawyers Hub, 2024, "Artificial Intelligence and Parliaments in Africa". *Lawyers Hub*, 15 October 2024, at <https://www.lawyershub.org/news/post/artificial-intelligence-and-parliaments-in-africa>, accessed 7 October 2025.
- Lawyers Hub, 2024, *5 Years of AI Regulation in Africa*.
- Leben, C. 2006. *Le contentieux arbitral transnational relatif à l'investissement*. Anthémis.
- Leite, C.R.D.A.B. & C.G. Marreiros, 2026, "Critical Analysis of Portuguese and European Union Soil Legislation Based on Information Available in the SoILEX Database". *Preprints* 1–37, doi:10.20944/preprints202502.0168.v2.
- Lemma, A., P. Agarwal & D.W. te Velde, 2024, *Implementing the Digital Trade Protocol of the African Continental Free Trade Area: Expected Impacts, Early Experiences and Challenges Ahead*. London: ODI Global.
- Lengoiboni, M., A.K. Bregt & P. Van der Molen, 2010, "Pastoralism within Land Administration in Kenya: The Missing Link". *Land Use Policy* 27(2), 579–588.
- Lentz, C., 2013, *Land, Mobility, and Belonging in West Africa: Natives and Strangers*. Bloomington, IN: Indiana University Press.
- Letseka, M., 2012, "In Defence of Ubuntu". *Studies in Philosophy and Education* 31, 47–60.

- Li, T.M., 2014, "What Is Land? Assembling a Resource for Global Investment". *Transactions of the Institute of British Geographers* 39(4) 589–602.
- Liboiron, M., 2021, *Pollution Is Colonialism*. Durham, NC: Duke University Press.
- Lisinski, R., 2025, "Regulation of Artificial Intelligence in South Africa: Progress, Challenges and the Road Ahead". *Fluxmans*, at <https://www.fluxmans.com/article/ai-regulation-south-africa>, accessed 7 October 2025.
- Long, J., 2024, "Reckoning Climate Apartheid". *Political Geography* 112, 1–9.
- Lopez, I.P. 2016. *Le droit à un monde immuable: L'expropriation indirecte dans les accords internationaux d'investissement et la souveraineté des États*.
- Lousqui, D., 2025, "AI Regulation and the New Geography of Influence". SSRN https://papers.ssrn.com/sol3/papers.cfm?abstract_id=5227415.
- Lu, M., 2025, "Visualizing Global AI Investment by Country". *Visual Capitalist*, 21 April 2025, at <https://www.visualcapitalist.com/visualizing-global-ai-investment-by-country/>, accessed 7 October 2025.
- Lynch, S., 2017, "Andrew Ng: Why AI Is the New Electricity". *Stanford Graduate School of Business (Insights)*, 11 March 2017, at <https://www.gsb.stanford.edu/insights/andrew-ng-why-ai-new-electricity>, accessed 7 October 2025.
- Lyon, C.F., 2023, "Fake Cases, Real Consequences: Misuse of ChatGPT Leads to Sanctions". *New York State Bar Association NYLitigator* 28(2), 8–12.
- MacDonnell, L.J., 1988, "Natural Resources Dispute Resolution: An Overview". *Natural Resources Journal* 28(1), 5–25.
- Mack, E., 2014, "Elon Musk: 'We Are Summoning the Demon' with Artificial Intelligence". *CNET*, 26 October 2014, at <https://www.cnet.com/science/elon-musk-we-are-summoning-the-demon-with-artificial-intelligence/>, accessed 7 October 2025.
- Mahlangu, J., 2025, *Comparing the Governance Models of the EU and the AU*. PhD thesis, *University of Pretoria*, at https://www.researchgate.net/publication/391444558_Comparing_the_governance_models_of_the_EU_and_the_AU, accessed 23 March 2026.
- Makki, F., 2018, "The Political Ecology of Land Grabs in Ethiopia". In: R. Rozzi, R.H. May Jr., F.S. Chapin III, F. Massardo, M.C. Gavin, I.J. Klaver, A. Pauchard, M.A. Nuñez & D. Simberloff (eds.), *From Biocultural Homogenization to Biocultural Conservation*. Cham: Springer Nature Switzerland, 83–96.
- Makulilo, A.B., 2024, "Data Privacy in Africa: Taking Stock of Its Development After Two Decades". In: L.A. Abdulrauf & H. Dube (eds.), *Data Privacy Law in Africa: Emerging Perspectives*. Pretoria: Pretoria University Law Press (PULP), 41–77.
- Malherbe, N. & A.O. Oladejo, 2025, "Against Climate Aid Colonialism: The Case for Climate Reparations and South–South Solidarity". *Africa Spectrum* 60(1), 84–105.
- Mamina, O. & E. Kobzeva, 2021, "Experimental Legal Regimes for Digital Innovation and a Special Regulation Mechanism: New Concepts of Russian Legislation and First Projects". *SHS Web of Conferences* 106, 02009.
- Mandal, M., 2023, "Role of Women in Sustainable Soil Management: Some Legal Reflections". In: B.H. Desai (ed.), *Soil Law and Governance in India (International Yearbook of Soil Law and Policy)*. Cham: Springer.
- Mapfumo, P., J. Rurinda, L. Cramer, T.D. Mushore & G. Wamukoya, 2025, "Developing Just Transition Pathways for Africa's Agriculture towards Low Emission and Climate Resilient Development under a 1.5 °C Global Warming". *CABI Reviews* 20(1), 1.
- Martinez, R., 2019, "Artificial Intelligence: Distinguishing Between Types & Definitions". *Nevada Law Journal* 19, 1015–1023.

Bibliography

- Martinez-Alier, J., 2018, “Ecological Distribution Conflicts and the Vocabulary of Environmental Justice”. In: V. Dayal, A. Duraiappah & N. Nawn (eds.), *Ecology, Economy and Society*. Singapore: Springer, 187–204.
- Massey, K., R. Jyoti, D. Schubmehl, E. Elshewy, K. Ghildiyal, N. Guo, C. La Croce, T. Manabe, H. Roman & V. Venkatesh, 2024, *IDC’s Worldwide AI and Generative AI Spending Guide Taxonomy: 2024, Release V1*.
- Maxwell, S., 2025, “Farmland Abandonment Worldwide: The Detrimental Factor of Agricultural Crisis”. *Science Insights* 46(2) 1741–1748.
- Mazique, B., 2024, “Oleksandr Usyk vs. Tyson Fury 2 Results: Winner, Scorecards, Reaction”. *Forbes*, 21 December. At <https://www.forbes.com/sites/brianmazique/2024/12/21/oleksandr-usyk-vs-tyson-fury-2-results-winner-scorecards-reaction/>, accessed 29 October 2025.
- Mazwi, F. & G.T. Mudimu, 2021, “A Review of State-based Land Tenure: A Special Reference to Land Rights and Access to Rural Finance”. In: H. Chitonge & R. Harvey (eds.), *Land Tenure Challenges in Africa: Confronting the Land Governance Deficit*. Cham: Springer, 225–245.
- Mbonye, V., M. Moodley & F. Nyika, 2024, “Examining the Applicability of the Protection of Personal Information Act in AI-Driven Environments”. *South African Journal of Information Management* 26(1), 1–9.
- McAuliffe, P., 2021, “Complicity or Decolonization? Restitution of Heritage from ‘Global Ethnographic Museums’”. *International Journal of Transitional Justice* 15, 678–689.
- McAuslan, P., 2006, “Legal Pluralism as a Policy Option: Is it Desirable? Is it Doable?” In: M. Mwangi & E. Patrick (eds.), *Land Rights for African Development – From Knowledge to Action*, 9–11, at https://landwise-production.s3.us-west-2.amazonaws.com/2022/03/UNDP_Land-rights-for-African-development-from-knowledge-to-action_2006.pdf, accessed 7 April 2026.
- McCauley, D. & R. Heffron, 2018, “Just Transition: Integrating Climate, Energy and Environmental Justice”. *Energy Policy*. 119, 1–7.
- McLean, S., G.J.M. Read, J. Thompson, C. Baber, N.A. Stanton & P.M. Salmon, 2023, “The Risks Associated with Artificial General Intelligence: A Systematic Review”. *Journal of Experimental & Theoretical Artificial Intelligence* 35, 649–663.
- Media Institute of Southern Africa, 2025, “African Commission Study Charts Path for Ethical AI in Africa”. *Press Council of South Africa*, 14 May. At <https://presscouncil.org.za/2025/05/14/african-commission-study-charts-path-for-ethical-ai-in-africa/>, accessed 27 October 2025.
- Melber, H., 2024, “Colonialism, Genocide and Reparations: The German-Namibian Case”. *Development and Change Forum* 55(4), 773–799.
- Mesele, S.A., F. Tadesse & T.A. Liyew, 2025, “Current Problems Leading to Soil Degradation in Africa: Raising Awareness and Finding Potential Solutions”. *European Journal of Soil Science* 76(1), e70069.
- Meuck, M., C. Gaie & D. Gkikas, 2025, “Introduction to the European Artificial Intelligence Act”. In: M. Meuck & C. Gaie (eds.), *European Digital Regulation*. Cham: Springer, 53–91.
- Meuck, M., S. Du Boispean & C. Gaie, 2025, “Overview on European Digital Legislation”. In: M. Meuck & C. Gaie (eds.), *European Digital Regulation*. Cham: Springer, 21–50.
- Meulemans, G., 2020, “Wormy Collaborations in Practices of Soil Construction”. *Theory, Culture & Society* 37(1), 93–112.
- Middleton, C., 2025, “US AI Action Plan Part 1 – Beware of Its Local and Environmental Consequences, Warns the ACM”. *Diginomica*, 29 August 2025, at <https://diginomica.com/us-ai-action-plan-part-one-beware-its-local-and-environmental-consequences-warns-amc>, accessed 8 October 2025.

- Mienye, D.I., Y. Sun & E. Ileberi, 2024, “Artificial Intelligence and Sustainable Development in Africa: A Comprehensive Review”. *Machine Learning with Applications* 16, 1–6.
- Min, K., 2025, “South Korea’s PIPC Flexes Its Muscles: What to Know about AI Model Deletion, Cross-Border Transfers and More”. *IAPP*, at <https://iapp.org/news/a/south-korea-s-pipc-flexes-its-muscles-what-to-know-about-ai-model-deletion-cross-border-transfers-and-more>, accessed 20 March 2026.
- Mishra, H. & D. Mishra, 2023, “Artificial Intelligence and Machine Learning in Agriculture: Transforming Farming Systems”. In: *Research Trends in Agriculture Science*, Volume I. Pune: Bhumi Publishing, 1–16.
- Molnár, Z., Á. Fernández-Llamazares, C. Schunko, I. Teixidor-Toneu, I. Jarić, I. Díaz-Reviriego, C. Ivascu, D. Babai, L. Sáfián, P. Karlsen, H. Dai & R. Hill, 2023, “Social Justice for Traditional Knowledge Holders Will Help Conserve Europe’s Nature”. *Biological Conservation* 285, 1–23.
- Montaño-Lopez, F., M. Guevara & A. Biswas, 2021, “Soil Science Research and Development in Latin America and the Caribbean”. In: A. Rakshit, S.K. Singh, P.C. Abhilash & A. Biswas (eds.), *Soil Science: Fundamentals to Recent Advances*. Singapore: Springer Nature Singapore Pte Ltd, 613–622.
- Montgomery, D.R., 2018, *Growing a Revolution: Bringing our Soil back to Life*. New York, NY: W.W. Norton & Company.
- Moodley, N., 2026, “AI Reshapes SA’s Financial Sector, but the Rulebook Is Still Catching Up”. *Daily Maverick*, at <https://www.dailymaverick.co.za/article/2026-03-19-ai-reshapes-sas-financial-sector-but-the-rulebook-is-still-catching-up/>, accessed 20 March 2026.
- Moran, M.E., 2006, “Epochs in Endourology: The da Vinci Robot”. *Journal of Endourology* 20, 986–990.
- Morvaridi, B., 2012, “Capitalist Philanthropy and Hegemonic Partnerships”. *Third World Quarterly* 33(7), 1191–1210.
- Moseley, W.G., 2024, *Decolonizing African Agriculture: Food Security, Agroecology and the Need for Radical Transformation*. Newcastle upon Tyne: Agenda Publishing.
- Müller, A., 2022, “Der Artificial Intelligence Act der EU: Ein risikobasierter Ansatz zur Regulierung von künstlicher Intelligenz”. *Zeitschrift für Europarecht* (1), A1.
- Munos, J., 2017, “Intercultural Europe: Cultural Diversity in the EU and the Debate on a Common European Cultural Identity”. *Papeles de Europa* 30(2), 149–161.
- Murray, R. & O.C. Ruppel, 2025, “Positioning the Pan-African Parliament: Origins, Legal Authority, and Its Role in Strengthening Africa’s Soil Governance Framework”. In: Ruppel, O.C., H. Ginzky & R. Murray (eds), *Legal Pathways to Sustainable Soil Management in Africa: Insights from Botswana, Burkina Faso, Cameroon, Kenya, Madagascar, Morocco, Mozambique, Namibia, South Africa, Uganda and Zambia*. Baden-Baden: Nomos, 749–801.
- Mutingwende, B.A., 2025a, “Pan-African Parliament Committee Discusses Model Law on Soil: A Milestone for Climate and Agricultural Justice”. *Spiked Media*, at <https://spikedmedia.co.zw/pan-african-parliament-committee-discusses-model-law-on-soil-a-milestone-for-climate-and-agricultural-justice/>, accessed 11 March 2026.
- Mutingwende, B.A., 2025b, “PAP Adoption of Model Law on Sustainable Soil Management: Step Toward Food Security and Climate Resilience”. *Spiked Media*, at <https://spikedmedia.co.zw/pap-adoption-of-model-law-on-sustainable-soil-management-step-toward-food-security-and-climate-resilience/>, accessed 11 March 2026.
- Mwangi, J. & W. Njoroge, 2024, “AI-Driven Innovations in Financial Technology: A Review of Algorithmic Trading and Risk Management”. *Artificial Intelligence and Machine Learning Review* 5, 1–9.

Bibliography

- Nabuurs, G.-J., R. Mrabet, A. Abu Hatab, M. Bustamante, H. Clark, P. Havlík, J. House, C. Mbou, K.N. Ninan, A. Popp, S. Roe, B. Sohngen & S. Towprayoon, 2022, "Agriculture, Forestry, and Other Land Uses (AFOLU)". In: P.R. Shukla, J. Skea, R. Slade, A. Al Khourdajie, R. van Diemen, D. McCollum, M. Pathak, S. Some, P. Vyas, R. Fradera, J. Malley, M. Belkacemi & A. Hasija (eds.), *Climate Change 2022: Mitigation of Climate Change. Contribution of Working Group III to the Sixth Assessment Report of the Intergovernmental Panel on Climate Change*. Cambridge: Cambridge University Press.
- Naidoo, V. & D. Plaatjies, 2026, "AI Regulation Progress in South Africa – A Further Step in the Right Direction". *Fasken*, at <https://www.fasken.com/en/knowledge/2026/03/ai-regulation-progress-in-south-africa-a-further-step-in-the-right-direction>, accessed 20 March 2026.
- Nalwimba, N., 2024, *Working Paper No. 66: Digital Technology in Zambian Agriculture: A Scoping Report*.
- Naré, R.W.A., P.W. Savadogo, Z. Gnankambary, H.B. Nacro & M.P. Sedogo, 2015, "Analysing Risks Related to the Use of Pesticides in Vegetable Gardens in Burkina Faso". *Agriculture, Forestry and Fisheries* 4(4) 165–172.
- Nathaniel, S.P. & N. Adeleye, 2021, "Environmental Preservation Amidst Carbon Emissions, Energy Consumption, and Urbanization in Selected African Countries: Implications for Sustainability". *Journal of Cleaner Production* 285 124825.
- Navshree, J., N. Wadhwa, M. Bhatia, P. Sharma, L. Khomdram, A. Mishra & S. Kaushik Love, 2025, "Impact of Pesticides on Soil Health of Agroecosystems and Plant Nutrition: Challenges and Sustainable Management". In: *CABI Books*, 44–73.
- Neube, S., 2020, "Human Rights Enforcement in Africa: Enhancing the Pan-African Parliament's Capacity to Promote and Protect Human Rights". *African Human Rights Law Journal* 20(1), 103–124.
- Ndlovu-Gatsheni, S., 2012, "Fiftieth Anniversary of Decolonisation in Africa: A Moment of Celebration or Critical Reflection?". *Third World Quarterly* 33(1), 71–89.
- Ndlovu-Gatsheni, S.J. & K. Tafira, 2018, "The Invention of the Global South and the Politics of South–south Solidarity". In: E. Fiddian-Qasimiyeh & P. Daley (eds.), *Routledge Handbook of South-South Relations*. London: Routledge, 127–140.
- Négoce, N., N. Booty & J. Griffin, 2025, "Akon's Futuristic \$6bn City Project in Senegal Abandoned, *BBC* Told". BBC News, at <https://www.bbc.com/news/articles/c8xrvv21drjo>, accessed 7 October 2025.
- NEPAD / New Partnership for Africa's Development, undated, "Where are We? Agenda 2063 Progress Tracker". *Agenda 2063*, at <https://www.nepad.org/agenda2063>, accessed 25 September 2015.
- Newell, P. & D. Mulvaney, 2013 "The Political Economy of the 'Just Transition'". *The Geographical Journal* 179, 132–140.
- Niang, I., O.C. Ruppel, M.A. Abdrabo, A. Essel, C. Lennard, J. Padgham & P. Urquhart, 2014, "Africa". In: C.B. Field, V.R. Barros, K.J. Mach, M.D. Mastrandrea, K. Ebi, M. Chatterjee, Y. Estrada, R.C. Genova, B. Girma, E.S. Kissel, A.N. Levy, S. MacCracken, P.R. Mastrandrea, T.E. Bilir, D.J. Dokken & L.L. White (eds.), *Climate Change 2014: Impacts, Adaptation, and Vulnerability. Part B: Regional Aspects. Contribution of Working Group II to the Fifth Assessment Report of the Intergovernmental Panel on Climate Change*. Cambridge: Cambridge University Press, 1199–1265.
- Nietzel, B., 2023, "Protection of Cultural Property in Europe since the 19th Century between Legalization and Colonial Practice". In: T. Sandkühler, A. Epple & J. Zimmerer (eds.), *Historical Culture by Restitution? A Debate on Art, Museums, and Justice*. Leiden: Koninklijke Brill NV, 161–176.

- Njoroge, J., 2024, "Potential Role of African Union in Development of AI Governance Across the Continent". *European Journal of Science Studies* 1(10), 11.
- Novak, M., 2024, "DoNotPay Has to Pay Up Over 'World's First Robot Lawyer'". *Gizmodo*, 25 September 2024, at <https://gizmodo.com/donotpay-has-to-pay-up-over-worlds-first-robot-lawyer-2000503265>, accessed 7 October 2025.
- Nsah, K.T., 2023, "Conserving Africa's Eden? Green Colonialism, Neoliberal Capitalism, and Sustainable Development in Congo Basin literature". *Humanities* 12(3), 1–24.
- Nussbaum, B., 2003, "African Culture and Ubuntu: Reflections of a South African in America". *World Business Academy: Rekindling the Human Spirit in Business* 17(1), 1–12.
- Nxumalo, S.B., 2025, "Introducing Ubuntu to Property Law: A Case for Environmental Stewardship". *Edinburgh Student Law Review* 5(2), 1–23.
- Nyst, A., 2024, "History of ChatGPT: A Timeline of the Meteoric Rise of Generative AI Chatbots". *Search Engine Journal*, 9 October. At <https://www.searchenginejournal.com/history-of-chatgpt-timeline/488370/>, accessed 2 October 2025.
- Obeng-Odoom, F., 2021, "Oil Cities in Africa: Beyond Just Transition". *American Journal of Economics and Sociology* 80(2), 777.
- Obeng-Odoom, F., 2022, *The Case for Ecological Reparations in Africa*. Nanyang Technological University – Singapore Business Federation Centre for African Studies.
- OECD / Organisation for Economic Co-operation and Development, 2024a, *Assessing Potential Future Artificial Intelligence Risks, Benefits and Policy Imperatives*. Paris: OECD.
- OECD / Organisation for Economic Co-operation and Development (Policy Network on Artificial Intelligence), 2024b, *Sub-group on AI Governance, Interoperability and Good Practices: Discussion Paper on AI Governance, Interoperability and Good Practices*.
- OECD / Organisation for Economic Co-operation and Development, 2025a, *Africa's Urbanisation Dynamics 2025: Planning for Urban Expansion*. Paris: OECD.
- OECD / Organisation for Economic Co-operation and Development, 2025b, *OECD Regulatory Policy Outlook 2025*. Paris: OECD.
- OECD / Organisation for Economic Co-operation and Development & WTO / World Trade Organisation, 2025, *Economic Implications of Data Regulation: Balancing Openness and Trust*. Paris: OECD.
- Oelofsen, R., 2015, "Decolonisation of the African Mind and Intellectual Landscape". *Phronimon* 16(2), 130.
- Okolo, C.T., K. Aruleba & G. Obaido, 2023, "Responsible AI in Africa – Challenges and Opportunities". In: D.O. Eke, K. Wakunuma & S. Akintoye (eds.), *Artificial Intelligence in Africa: Challenges and Opportunities*. Cham: Springer.
- Okoth, K.O., 2023, *Red Africa: Reclaiming Revolutionary Black Politics*. London: Verso.
- Okoth-Ogendo, H.W.O., 1989, "Some Issues of Theory in the Study of Tenure Relations in African Agriculture". *Africa* 59(1), 6–17.
- Olier, J., T.-Y. Seow & V. Lim, 2026, "AI Watch: Global Regulatory Tracker – Singapore". *White & Case Insights*, 4 March. Available at: <https://www.whitecase.com/insight-our-thinking/ai-watch-global-regulatory-tracker-singapore>.
- Omasire, K.A., 2024, *Effects of Urban Sprawl on Agricultural Land Use in Peri-Urban Areas of Wote Town, Makueni County, Kenya*.
- Ondanyo, M.A., M.M. Alhassan, C.M. Mugala & A. Omran, 2024, "Artisanal Gold Mining in Africa – Environmental Pollution and Human Health Implications". *Exposure and Health* 16(4) 1067–1095.

Bibliography

- Ongoma V., Y. Brouziyne, E.H. Bouras & A. Chehbouni, 2025, "Closing yield gap for sustainable food security in sub-Saharan Africa – progress, challenges, and opportunities." *Front. Agron.* 7, 1572061. doi: 10.3389/fagro.2025.1572061.
- Osborn, A., 2026, "Russia to Give Itself Sweeping Powers to Ban or Restrict Foreign AI Tools". *Reuters*, at <https://www.reuters.com/business/russia-give-itself-sweeping-powers-ban-or-restrict-foreign-ai-tools-2026-03-20/>, accessed 20 March 2026.
- Osemuyi, O.C., 2024, "Cultural and Linguistic Diversity in Africa: The Impact of Colonial Imperialism on Economic Growth and Integration". *Journal of Contemporary Social and Economic Issues* 4(1), 20–31.
- Osorio, C.P., A. Manuel & C. Irwin, 2025, "To What Extent Does Being Colonised Influence Climate Vulnerability?". *The Cambridge Journal of Climate Research* 2(1), 10.
- Ost, F. & M. van de Kerchove, 2002, *De la pyramide au réseau?: Pour une théorie dialectique du droit*. Brussels: Publications des Facultés universitaires Saint-Louis.
- Ostrom, E., 1990, *Governing the Commons: The Evolution of Institutions for Collective Action*. Cambridge: Cambridge University Press.
- Oxford Insights, 2021, *Government AI Readiness Index 2021*.
- Ozkan, M., 2025, "'Correct the Map': Africa takes on Centuries-old 'Biggest lie' in World Geography". *AA*, at <https://www.aa.com.tr/en/africa/correct-the-map-africa-takes-on-centuries-old-biggest-lie-in-world-geography/3689488>, accessed 27 September 2025.
- Pajuste, T. (ed.), 2025. *Human Rights in the Digital Domain: Core Questions – Part I: Adapting Human Rights to a Digital World*. Cambridge: Cambridge University Press.
- Pan-African Parliament, 2025a, "African Parliamentarians Adopt the Continent's First Model Law on Sustainable Soil Management in Africa". *Pan-African Parliament*, at <https://pap.au.int/en/news/press-releases/2025-11-06/african-parliamentarians-adopt-continent-first-model-law>, accessed 11 March 2026.
- Pan-African Parliament, 2025b, "Consultations with Central, Northern and Western African Regions on the Model Law on Sustainable Soil Management". *PAP Press Release*, at <https://pap.au.int/en/news/press-releases/2025-10-19/consultations-central-northern-and-western-african-regions-model-la>, accessed 19 March 2026.
- Pan-African Parliament, 2025c, "PAP Analyses Draft Model Law on Sustainable Soil Management in Africa". *Pan-African Parliament*, at <https://pap.au.int/en/news/press-releases/2025-09-26/pap-analyses-draft-model-law-sustainable-soil-management-africa>, accessed 11 March 2026.
- PAP / Pan-African Parliament & EP / European Parliament, 2025, *AU–EU Parliamentary Pre-Summit Meeting Joint Declaration under the theme "Renewing Africa-Europe Parliamentary Cooperation in a Changing Global Context"*.
- Patil, D., 2024, "Artificial Intelligence in Financial Services: Advancements in Fraud Detection, Risk Management, and Algorithmic Trading Optimization". SSRN https://papers.ssrn.com/sol3/papers.cfm?abstract_id=5057412.
- Peña, P. & J. Varon, 2021, "Teenager Pregnancy Addressed Through Data Colonialism in a System Patriarchal by Design". *Not My AI*, 5 March 2021 (updated 26 April 2022), at <https://notmy.ai/news/case-study-plataforma-tecnologica-de-intervencion-social-argentina-and-brazil/>, accessed 7 October 2025.
- Perumall, A. & F. Ismail, 2026, "South Africa: AI Policy Moves Towards Approval". *Fasken*, at <https://www.fasken.com/en/knowledge/2026/02/south-africa-ai-policy-moves-towards-approval>, accessed 20 March 2026.
- Petse, I. & U. Phindelo, 2025, "The Influence of ChatGPT-generated Data on the Administration of Justice in South Africa". *Turf Law Journal* 5 1–14.

- Pharathlathle, K. & J. Vanheukelom, 2019, *Financing the African Union: On Mindset and Money*.
- Pierce, L., 2024, "South Africa's Draft National AI Plan: Not Good Enough". *PPM Attorneys*, 6 April. At <https://www.ppmattorneys.co.za/south-africas-draft-national-ai-plan/>, accessed 29 October 2025.
- Pirozolli, A., 2024, "The Human-Centric Perspective in the Regulation of Artificial Intelligence". *European Papers – European Forum*, at <https://www.europeanpapers.eu/europeanforum/human-centric-perspective-regulation-artificial-intelligence>, accessed 2 October 2025.
- Poitras, M., 2022, "Soil Governance: Who is Governing Who? A North American Indigenous Perspective on Mother Earth". *Soil Security* 6, 1–5.
- Poppiel, R.R., M.R. Cherubin, J.J.M. Novais & J.A.M. Demattê, 2025, "Soil Health in Latin America and the Caribbean". *Communications Earth & Environment* 6(141), 1–11.
- Porter, S. & E. Cook, 2023, "Decolonisation as a Driver for the Sustainable Development Goals". *Times Higher Education*, 11 July, at <https://www.timeshighereducation.com/campus/decolonisation-driver-sustainable-development-goals>, accessed 7 January 2026.
- Pring, G.R. & C.K. Pring, 2009, *Greening Justice: Creating and Improving Environmental Courts and Tribunals*.
- Pring, G.R. & C.K. Pring, 2021, *Environmental Courts & Tribunals: A Guide for Policy Makers*. Nairobi: United Nations Environment Programme.
- Randazzo, M.S. & G. Hill, 2025, "Human Dignity in the Age of Artificial Intelligence: An Overview of Legal Issues and Regulatory Regimes". *Australian Journal of Human Rights*, 1–23.
- Rashid, R., 2026, "South Korea's 'world-first' AI laws face pushback amid bid to become leading tech power". *The Guardian*, at <https://www.theguardian.com/world/2026/jan/29/south-korea-world-first-ai-regulation-laws>, accessed 20 March 2026.
- Rautela, K.S. & M.K. Goyal, 2024, "Transforming Air Pollution Management in India with AI and Machine Learning Technologies". *Scientific Reports* 14.
- Rawls, J., 1999, *A Theory of Justice*, rev. ed. Cambridge, Mass.: Harvard University Press.
- Republic of Namibia, 2022, *Report of the First Ordinary Session of the Sixth Parliament of the Pan-African Parliament (PAP)*, Midrand, Johannesburg, South Africa, from 24 October to 12 November 2022, at <https://www.parliament.na/wp-content/uploads/2023/02/Report-of-the-First-Ordinary-Session-of-the-6th-Paliament-of-PAP.pdf>, accessed 14 April 2026.
- Republic of The Gambia, 2022, *Report of the National Assembly delegation to the Pan-African Parliament*, Sixth Parliament, First Ordinary Session, Midrand, South Africa, October–November 2022, at <https://www.assembly.gm/wp-content/uploads/2023/03/Report-on-the-First-Ordinary-Session-of-the-Sixth-Pan-African-Parliament.pdf>, accessed 14 April 2026.
- Rhim, D., 2026, "Understanding South Korea's New AI Law: Key Considerations for Multinational Employers". *Littler*, at <https://www.littler.com/news-analysis/asap/understanding-south-koreas-new-ai-law-key-considerations-multinational-employers>, accessed 20 March 2026.
- Rhodes, C.J., 2014, "Soil Erosion, Climate Change and Global Food Security: Challenges and Strategies". *Science Progress* 97(2), 97–153.
- Ritchie, O., M. Anderljung, & T. Rachman, 2025, "From Turing to Tomorrow: The UK's Approach to AI Regulation". Preprint of forthcoming book chapter.
- Rodi, M., O.C. Ruppel & M.D. Leuzinger, 2025, "Bodenschutz und Landnutzung als Herausforderung für die Klimapolitik". *Zeitschrift für Klima und Recht (KlimR)* 10, 290–295.
- Rodney, W., 1981, *How Europe Underdeveloped Africa*. Washington, DC: Howard University Press.
- Rodrigues, R., 2020, "Legal and Human Rights Issues of AI: Gaps, Challenges and Vulnerabilities". *Journal of Responsible Technology* 4, 100005.

Bibliography

- Roe, E., 1991, "Development Narratives, or Making the Best of Blueprint Development". *World Development* 19(4), 287–300.
- Roe, E., 1995, "Except-Africa: Postscript to a Special Section on Development Narratives". *World Development* 23(6), 1065–1069.
- Ronchi, S., S. Salata, A. Arcidiacono, E. Piroli & L. Montanarella, 2019, "Policy Instruments for Soil Protection among the EU Member States: A Comparative Analysis". *Land Use Policy* 82, 763–780.
- Rosca, C.-M. & A. Stancu, 2025, "Emerging Trends in AI-Based Soil Contamination Monitoring and Prevention". *Agriculture* 15, 1–30.
- Ruder, S.-L. & H. Wittman, 2025, "Agricultural Data Governance from the Ground Up: Exploring Data Justice with Agri-Food Movements". *Big Data & Society* 12(1).
- Ruiz-Campillo, X., 2025, "Just Transitions in Climate and Sustainable Governance: A Perspective from the South". In: E. Domorenok, P. Graziano & K. Zimmermann (eds), *The Eco-social Polity? Theoretical, Conceptual and Empirical Issues*. Bristol: Policy Press, University of Bristol, 271.
- Ruppel, O.C., 2022a, "Overview of International Soil Law". *Soil Security* 6.
- Ruppel, O.C., 2022b, "Soil Protection and Legal Aspects of International Trade in Agriculture in Times of Climate Change: The WTO Dimension". *Soil Security* 6.
- Ruppel, O.C., 2024, "Überblick über das internationale Bodenschutzrecht". In: Schnedl, G., O.C. Ruppel & M. Hofer (eds), *Bodenschutz im Zeichen der Klimakrise: Rechtliche Rahmenbedingungen, politische Herausforderungen und Konfliktpotentiale*. Wien: Verlag Österreich, 31–66.
- Ruppel, O.C., 2025, "Bodenschutzrecht in Südafrika und der Afrikanischen Union". *Zeitschrift für Klima und Recht (KlimR)* 10, 303–310.
- Ruppel, O.C. & H. Ginzky (eds.), 2021, *African Soil Protection Law – Mapping Out Options for a Model Legislation for Improved Sustainable Soil Management in Africa: A Comparative Legal Analysis from Cameroon, Kenya, and Zambia*. Baden-Baden: Nomos.
- Ruppel, O.C. & H. Ginzky, 2024, *African Soils: The Foundation of Our Future: A Policy Report*. United Nations Environment Programme. Nairobi.
- Ruppel, O. C., & A. Khatibi, 2025, "Assessing Namibia's Climate-related Laws and Policies: Applying the Human Rights Integration Framework for Climate Policy Evaluation". *Namibian Journal of Social Justice* 4, 2–40.
- Ruppel, O.C. & R. Murray, 2024, "The Future of the SDGs: A Comparative Constitutional Rescue Plan?" *Journal of Environmental Policy and Law* 54, 155–187.
- Ruppel, O.C. & R. Murray, 2025/2026, "Climate Change, Human Rights, and Soil Security: The Wider ICJ Advisory Opinion Nexus?". *Environmental Policy and Law* (Special Issue) 56(1-2), 1–16.
- Ruppel, O.C. & P. Schweighofer, 2024, "Intergenerationelle Klimagerechtigkeit für das heutige Namibia: Lange Schatten des Kolonialismus im ehemaligen Deutsch-Südwestafrika?". In: D. Ennöckl, M. Hofer & V. Madner (eds.) *Festschrift für Eva Schulev-Steindl*. Verlag Österreich, 501–518.
- Ruppel, O.C., H. Ginzky & R. Murray (eds), 2025, *Legal Pathways to Sustainable Soil Management in Africa: Insights from Botswana, Burkina Faso, Cameroon, Kenya, Madagascar, Morocco, Mozambique, Namibia, South Africa, Uganda and Zambia*. Baden-Baden: Nomos.
- Ruthmann-Bloem, E., 2023, "Epistemic Justice and Dynamic AI Ethics in Africa". In: E.O. Arakpogun, Z. Elsahn, F. Olan & F. Elsahn (eds.), *Artificial Intelligence in Africa: Challenges and Opportunities*. Cham: Springer.
- Salami, A.O., 2024, "Artificial Intelligence, Digital Colonialism, and the Implications for Africa's Future Development". *Data & Policy* 6, 1-12.

- Samuel, S., 2019, “A New Study Finds a Potential Risk with Self-Driving Cars: Failure to Detect Dark-Skinned Pedestrians”. *Vox* (Future Perfect), 6 March 2019, at <https://www.vox.com/future-perfect/2019/3/5/18251924/self-driving-car-racial-bias-study-autonomous-vehicle-dark-skin>, accessed 7 October 2025.
- Sanchez, P.A., K.D. Shepherd, M.J. Soule, F.M. Place, R.J. Buresh, A.-M.N. Izac, U. Mokwunye, F.R. Kwesiga, C.G. Ndiritu & P.L. Woome, 1997, “Soil Fertility Replenishment in Africa: An Investment in Natural Resource Capital”. In: R.J. Buresh, P.A. Sanchez & F. Calhoun (eds.), *Replenishing Soil Fertility in Africa*. Madison: Soil Science Society of America, SSSA Special Publication No. 51, 1–46.
- Sand Technologies, 2025, “AI for Environmental Monitoring: Benefits, Uses & Innovation”. *Sand Technologies*, at <https://www.sandtech.com/insight/ai-for-environmental-monitoring/>, accessed 7 October 2025.
- Sandkühler, T., A. Eppe & J. Zimmerer, 2023, “Restitution and Historical Culture in the (Post)Colonial Context. Facets of a Challenging Debate”. In: T. Sandkühler, A. Eppe & J. Zimmerer (eds.), *Historical Culture by Restitution? A Debate on Art, Museums, and Justice*. Leiden: Koninklijke Brill NV, 15–48.
- Sardo, M.C., 2023, “Responsibility for Climate Justice: Political not Moral”. *European Journal of Political Theory* 22(1), 26–50.
- Savelle, N.J., R. Sairinen, M. Salkinoja & P. Kivimaa, 2020, “Rapid Urbanisation and Infrastructure Pressure: Comparing the Sustainability Transition Potential of Water and Energy Regimes in Namibia”. *World* 1(2), 49–66.
- Schipper, T., 2026, “Automation and Inequality: Social Safety Nets in the Age of AI”. *GIGA Focus Global* 3, at <https://www.giga-hamburg.de/en/publications/giga-focus/automation-and-inequality-social-safety-nets-in-the-age-of-ai>, accessed 20 March 2026.
- Schmelzer, M., 2022, “From Downscaling to Global Justice: On the Need to Integrate Climate Reparations into the Degrowth Agenda”. Paper presented at the Dakar Conference on Facing Socio-ecological Crisis: Delinking and the Question of Global Reparations, Dakar (25–28 October).
- Schnedl, G., 2025, “Soil Protection Law in Austria”. In: Ginzky, H., O.C. Ruppel, I.L. Heuser, D. Grinlinton, A. Khatibi, P. Kameri-Mbote & N. Rodriguez-Eugenio (eds), *International Yearbook of Soil Law and Policy*, Vol. 7. Cham: Springer International Publishing, 377–409.
- Schnedl, G., O.C. Ruppel & M. Hofer (eds), 2024, *Bodenschutz im Zeichen der Klimakrise: Rechtliche Rahmenbedingungen, politische Herausforderungen und Konfliktpotentiale*. Wien: Verlag Österreich.
- Schwenga, S., L. Bernardini, K. Keiblinger, H.-P. Kaul, I. Fister Jr., N. Lukač, J. Del Ser & A. Holzinger, 2026, “What Can Artificial Intelligence Do for Soil Health in Agriculture?”. *Computer Science Review* 59, 1–22.
- Scoones, I., 2016, “Chinese engagement in African agriculture is not what it seems”. *IIED (Insight)*, 6 April 2016, at <https://www.iied.org/chinese-engagement-african-agriculture-not-what-it-seems>, accessed 30 October 2025.
- Selvakumar, P., Shabnam, A.H. Shah, S.G.B. Aradhya & T.C. Manjunath, 2025, “Applications of AI in Healthcare, Agriculture, Finance, and Other Industries”. In: F.A. Shaik & M. Rahaman (eds.), *Innovative Approaches in Computational Systems and Smart Applications*. IGI Global Scientific Publishing, 43–70.
- Seutloali, J., 2024, *Land of the Ancestors: Expropriation as a Necessity for Justice*. Ilanga BC Publishers.
- Shange, N.T., 2024, “African Ubuntu Humanness Ontology and Ecological Connection”. *Environmental Justice*, 1–4.

Bibliography

- Shany, Y., 2025, “How Far Can You Go? Shoehorning Digital Rights into Existing Human Rights Treaties”. *The Vienna Journal on International Constitutional Law* 19(4), 435–477.
- Shirer, M., 2024, “Worldwide Spending on Artificial Intelligence Forecast to Reach \$632 billion in 2028, According to a New IDC Spending Guide”. *IDC*, at <https://my.idc.com/getdoc.jsp?containerId=prUS52530724>, accessed 2 October 2025.
- Shivhare, S. & K.B. Park, 2025, “South Korea’s New AI Framework Act: A Balancing Act Between Innovation and Regulation”. *Future of Privacy Forum*, at <https://fpf.org/blog/south-koreas-new-ai-framework-act-a-balancing-act-between-innovation-and-regulation/>, accessed 20 March 2026.
- Showers, K., 2006, “A History of African Soil: Perceptions, Use and Abuse”. In: J.R. McNeill & V. Winiwarter (eds.), *Soils and Societies: Perspectives from Environmental History*. White Horse Press, 118–176.
- Signé, L., 2025, “Leveraging AI and Emerging Technologies to Unlock Africa’s Potential”. In: *Foresight Africa: Top Priorities for the Continent 2025–2030*. Washington, D.C.: Brookings Institution, January, 138–149.
- Silimina, D., 2019, “Case Study: Chinese Agricultural Firm Uses Drones to Fight Pests in Zambia”. *China Global South*, 2 September 2019, at <https://chinaglobalsouth.com/analysis/case-study-chinese-agricultural-firm-uses-drones-to-fight-pests-in-zambia/>, accessed 30 October 2025.
- Singh, M., 2020, “History of AI”. *Journal of Emerging Technologies and Innovative Research* 7, 58–61.
- Sinkner, J., 2024, “Why are African Artifacts Everywhere but Africa?”. *Africa is a Country*, at <https://africasacountry.com/2024/11/why-are-african-artifacts-everywhere-but-africa>, accessed 22 September 2025.
- Slow, O., 2023, “US Refuses Climate Reparations for Developing Nations”. *BBC News* 14 July, at www.bbc.com/news/world-us-canada-66197366, accessed 18 September 2025.
- Smit, W., 2021, “Urbanisation in the Global South”. *Oxford Research Encyclopedia of Global Public Health*. Oxford University Press.
- Smith, E., 2024, “Project Guacamaya Uses Daily Satellite Images, Amazon-Specific AI Models in Battle Against Deforestation”. *Microsoft Source (LATAM)*, 25 September 2024, at <https://news.microsoft.com/source/latam/features/ai/project-guacamaya-rainforest-deforestation/?lang=en>, accessed 7 October 2025.
- Smith, P., R.M. Poch, D.A. Lobb, R. Bhattacharyya, G. Alloush, G.D. Eudoxie, L.H.C. Anjos, M. Castellano, G.M. Ndzana, C. Chenu, R. Naidu, J. Vijayanathan, A.M. Muscolo, G.A. Studdert, N.R. Eugenio, M.C. Calzolari, N. Amuri & P. Hallett, 2024, “Status of the World’s Soils”. *Annual Review of Environment and Resources* 49, 73–104.
- Smith, P., M. Bustamante, H. Ahammad, H. Clark, H. Dong, E.A. Elsiddig, H. Haberl, R. Harper, J. House, M. Jafari, O. Masera, C. Mbow, N.H. Ravindranath, C.W. Rice, C. Robledo Abad, A. Romanovskaya, F. Sperling & P. Tubiello, 2014, “Agriculture, Forestry, and Other Land Use (AFOLU)”. In: O. Edenhofer, R. Pichs-Madruga, Y. Sokona, E. Farahani, S. Kadner, K. Seyboth, A. Adler, I. Baum, S. Brunner, P. Eickemeier, B. Kriemann, J. Savolainen, S. Schlömer, C. von Stechow, T. Zwickel & J.C. Minx (eds.), *Climate Change 2014: Mitigation of Climate Change. Contribution of Working Group III to the Fifth Assessment Report of the Intergovernmental Panel on Climate Change*. Cambridge: Cambridge University Press, Chapter 11.
- Soils4Africa, undated, “The Project”. *Soils4Africa*, at <https://www.soils4africa-h2020.eu/the-project>, accessed 4 July 2025.
- Sokona, Y., Y. Mulugetta, M. Tesfamichael, F. Kaboub, N. Hällström, M. Stilwell, M. Adow & C. Besaans, 2023, *Just Transition: A Climate, Energy and Development Vision for Africa*. Independent Expert Group on Just Transition and Development.

- Southall, R., 2023, “South African Diamonds Adorn the Crown of King Charles – Why they’re Unlikely to be Returned”. *The Conversation*, at <https://theconversation.com/south-african-diamonds-adorn-the-crown-of-king-charles-why-theyre-unlikely-to-be-returned-205597>, accessed 22 September 2025.
- Sovacool, B.K. & M.H. Dworkin, 2015, “Energy Justice: Conceptual Insights and Practical Applications”. *Applied Energy* 142, 435–444.
- Spencer, P., P.E. Perkins & J.D. Erickson, 2018, “Re-establishing Justice as a Pillar of Ecological Economics through Feminist Perspectives”. *Ecological Economics* 152, 191–198.
- Spencer, T., M. Colombier, O. Sartor, A. Garg, V. Tiwari, J. Burton, T. Caetano, F. Green, F. Teng & J. Wiseman, 2018, “The 1.5 C Target and Coal Sector Transition: At the Limits of Societal Feasibility”. *Climate Change* 18(3), 335–351.
- Stanford HAI / Stanford Institute for Human-Centered Artificial Intelligence, 2025, *Artificial Intelligence Index Report 2025*. Stanford, CA: Stanford University.
- Statista, 2023, “Urbanisation Rate in Africa in 2023, by Country”. At <https://www.statista.com/statistics/1223543/urbanisation-rate-in-africa-by-country/>, accessed 2 October 2025.
- Stone, K.E., 2025, “Trump’s Funding Cuts Will Hurt South Africa and the Region”. *ISS*, at <https://issafrica.org/iss-today/trump-s-funding-cuts-will-hurt-south-africa-and-the-region>, accessed 22 September 2025.
- Stony, 2025, “Africa Rising or Africa Exploited? Big Tech’s World Domination Plan”. *Medium (Woza Business)*, 6 January 2025, at <https://medium.com/woza-business/africa-rising-or-africa-exploited-big-techs-world-domination-plan-0c41dc1024ed>, accessed 7 October 2025.
- Stubnenrauch, J., B. Garske & F. Ekaradt, 2018, “Sustainable Land Use, Soil Protection and Phosphorus Management from a Cross-National Perspective”. *Sustainability* 10(6), 1988.
- Sulaiman, S. & D. Olén, 2024, “AI Regulation and Policy in Africa”. *Dentons*, 13 June 2024, at <https://www.dentons.com/en/insights/articles/2024/june/13/ai-regulation-and-policy-in-africa>, accessed 7 October 2025.
- Sultana, F., 2022, “The Unbearable Heaviness of Climate Coloniality”. *Political Geography* 99, 1–16.
- Sustainability Directory, 2025, “Algorithmic Bias in Soil Health Management Systems”. *Prism (Sustainability Directory)*, 5 September 2025, at <https://prism.sustainability-directory.com/scenario-algorithmic-bias-in-soil-health-management-systems/>, accessed 7 October 2025.
- Swift, J., 1988, *Major Issues in Pastoral Development, with Special Emphasis on Selected African Countries*. Rome: FAO.
- Sylla, N., S. Fischer, A.M. Kaltenbrunner & S. Sathi, 2024, “Global Reparations within Capitalism: Aspirations and Tensions in Contemporary Movements for Reparatory Justice”. *Development and Change* 55(4), 560–600.
- Tafira, C.K. & S.J. Ndlovu-Gatsheni, 2017, “Beyond Coloniality of Markets: Exploring the Neglected Dimensions of the Land Question from Endogenous African Decolonial Epistemological Perspectives”. *Africa Insight* 46(4), 9–22.
- Tahura, U.S. & N. Selvadurai, 2022, “The Use of AI in Judicial Decision-Making: The Example of China”. *International Journal of Law, Ethics, and Technology*, 1–20.
- Táiwò, O., 2022, *Reconsidering Reparations*, Oxford University Press.
- Táiwò, O., A. Saez de Tejada-Cuenca & T. Hin Tsoi, 2022, *Appendix B: Colonialism and Climate Vulnerability*. In O. Táiwò (ed.) *Reconsidering Reparations: Worldmaking in the Case of Climate Crisis*, Oxford University Press, 215–222.

Bibliography

- Tan, K.C., 2007, "Colonialism, Reparations, and Global Justice". In: J. Miller & R. Kumar (eds.), *Reparations: Interdisciplinary Inquiries*. Oxford: Oxford University Press, 280–306.
- Tandon, Y., 2011, "Kleptocratic Capitalism, Climate Finance, and the Green Economy in Africa". *Capitalism Nature Socialism* 22(4), 136–144.
- Tanon, A.M.S. 2016. *Le droit des investissements internationaux vu par la CIJ et le CIRDI*.
- Taylor, A., 2025, "Albania appoints world's first AI-made minister". *POLITICO*, 11 September. At <https://www.politico.eu/article/albania-appoints-worlds-first-virtual-minister-edi-rama-diella/>, accessed 29 October 2025.
- Teixeira, T.A., N.L. Vilaça, A.L. Printes, R.C.S. Gomes, I.G. Torné, T.-Y.A. Araújo & A.G. Dias e Dias, 2023, "Development of a Monitoring System against Illegal Deforestation in the Amazon Rainforest Using Artificial Intelligence Algorithms". *Engineering Proceedings* 58(1).
- Telleria, J., 2022, "Diversity vs the 2030 Agenda: A Deconstructive Reading of the United Nations Agenda for Sustainable Development". *Critical Social Policy* 42(4), 607–625.
- Tetteh, F.M., 2021, "Challenges to Soil Protection and Sustainable Management in Africa". In: H. Ginzky, E. Dooley, I.L. Heuser, E. Kasimbazi, R. Kibugi, T. Markus, T. Qin & O.C. Ruppel (eds.), *International Yearbook of Soil Law and Policy 2019*. Cham: Springer Nature Switzerland AG, 3.
- Thaldar, D., 2025, "Ownership of Personal Information?". *The South African Law Journal* 142, 175–198.
- Thaldar, D., 2025, "Who Owns Digital Data About You? South African Legal Scholar Weighs Up Property and Privacy Rights". *The Conversation*, at <https://theconversation.com/who-owns-digital-data-about-you-south-african-legal-scholar-weighs-up-property-and-privacy-rights-249741>, accessed 7 October 2025.
- The Guardian, 2025, "African Union Joins Calls to End Use of Mercator Map that Shrinks Continent's Size". *The Guardian*, at <https://www.theguardian.com/world/2025/aug/15/african-union-true-size-world-map-replace-mercator-version>, accessed 27 September 2025.
- Thomson Reuters Foundation, 2025, "Domestic AI governance". *TrustLaw*, 7 May 2025, at <https://www.trust.org/toolkit/part-2-emerging-ai-governance-in-africa/domestic-ai-governance/>, accessed 7 October 2025.
- Thornton, I., 2023, "A Special Delivery by a Fork: Where Does Artificial Intelligence Come From?". *New Directions for Evaluation* (178–179), 23–32.
- Timcke, S., Z. Schroeder & D. Haller, 2024, "Scaffolding for the South Africa National AI Policy Framework". *Tech Policy Press*, 29 November. At <https://www.techpolicy.press/scaffolding-for-the-south-africa-national-ai-policy-framework/>, accessed 27 October 2025.
- Tinarwo, J. & S.C. Babu, 2023, "Chinese Artificial Intelligence in Africa: Digital Colonisation or Liberalisation?". Tayarisha Working Paper Series (African Governance in the Digital Age) 2023/012.
- Tironi, M. & D.I. Rivera Lisboa, 2023, "Artificial Intelligence in the New Forms of Environmental Governance in the Chilean State: Towards an Eco-Algorithmic Governance". *Technology in Society* 74.
- Tironi, M., M. Kearnes, A. Krzywoszynska, C. Granjou & J.F. Salazar, 2021, "Soil Theories: Relational, Decolonial, Inhuman". In: J.F. Salazar, C. Granjou, M. Kearnes, A. Krzywoszynska & M. Tironi (eds.), *Thinking with Soils: Material Politics and Social Theory*. London: Bloomsbury, 15–38.
- Travers, L., 2024, "Algorithmic Coloniality? The Case of Chinese Artificial Intelligence Technology and Zimbabwean Surveillance". *Transcience* 15(2), 48–82.
- Triki, A., 2022, "Decolonising Food Security in the UN SDGs: Challenging the Hegemonic Discourse". *LSE International Development Review* 2(2), 1–30.

- Tuğrul, K.M., 2020, “Soil Management in Sustainable Agriculture”. In: M. Hasanuzzaman, M.C.M.T. Filho, M. Fujita & T.A.R. Nogueira (eds.), *Sustainable Crop Production*. London: IntechOpen. <https://www.intechopen.com/chapters/68683>, accessed 2 October 2025.
- Tulone, A., A. Galati, S. Pecoraro, A. Carroccio, D. Siggia, M. Virzi & M. Crescimanno, 2022, “Main intrinsic factors driving land grabbing in the African countries’ agro-food industry”. *Land Use Policy* 120, 1–9.
- Turok, I. & G. McGranahan, 2013, “Urbanisation and Economic Growth: The Arguments and Evidence for Africa and Asia”. *Environment and Urbanisation* 25(2), 465–482.
- Ubinck, J., 2008, *Traditional Authorities in Africa: Resurgence in an Era of Democratization*. Leiden: Leiden University Press.
- Uddin, M., 2024, *Farm Data Ownership and Intellectual Property Laws*. CIGI Digital Policy Hub Working Paper. Waterloo, ON: Centre for International Governance Innovation.
- UN / United Nations, 2002, *World Conference against Racism, Racial Discrimination, Xenophobia and Related Intolerance: Declaration and Programme of Action*. New York: United Nations Department of Public Information.
- UN / United Nations, 2023a, *Our Common Agenda Policy Brief 5: A Global Digital Compact — an Open, Free and Secure Digital Future for All*. New York: United Nations, May.
- UN / United Nations News, 2023b, “Guterres Calls for AI ‘That Bridges Divides’, Rather Than Pushing Us Apart”. *UN News (Peace and Security)*, 18 July 2023, at <https://news.un.org/en/story/2023/07/1138827>, accessed 7 October 2025.
- UN / United Nations Office of the Special Adviser on Africa, 2025, *Africa Dialogue Series Concept Note: Justice for Africans and People of African Descent Through Reparations*. New York: United Nations.
- UNCCD / United Nations Convention to Combat Desertification, 2019, *Creating an Enabling Environment for Land Degradation Neutrality and its Potential Contribution to Enhancing Well-being, Livelihoods and the Environment*. A Report of the Science-Policy Interface. Bonn, Germany.
- UNCCD-SPI / United Nations Convention to Combat Desertification – Science-Policy Interface, 2017, Technical Series No. 01, *Scientific Conceptual Framework for Land Degradation Neutrality*. A Report of the Science-Policy Interface.
- UNCTAD / United Nations Conference on Trade and Development, 2025, *Technology and Innovation Report 2025: Inclusive Artificial Intelligence for Development*. Geneva: UNCTAD.
- UNEP / United Nations Environment Programme, 2021, *Legal Frameworks for Sustainable Land Use: A Comparative Analysis to Support Sustainable Soil Management (SSM)*. Nairobi: UNEP.
- UNESCO / United Nations Educational, Scientific and Cultural Organisation, 2021, *Recommendation on the Ethics of Artificial Intelligence*. Paris: UNESCO.
- Unver, M.B. & S. Odusola-Stevenson, 2025, “UK AI Governance at a Crossroads: Charting the Path Ahead”. *International Journal of Mass Communication* 3, 168–183.
- Urbanisation in Africa*, n.d., Africapolis, at <https://africapolis.org/en?country=Angola&keyfigure=totalPop&type=abs&year=2015>, accessed 2 October 2025.
- Uyar, H., I. Karvelas, S. Rizou & S. Fountas, 2024, “Data Value Creation in Agriculture: A Review”. *Computers and Electronics in Agriculture* 227, 1–12.
- van der Linden, M., 2014, *The Acquisition of Africa (1870–1914): The Nature of Nineteenth-Century International Law*. Oisterwijk: Wolf Legal Publishers.
- Van Eck, M., 2025, “What have the Courts Said About the Ethical Use of Artificial Intelligence in Legal Practice?”. *De Rebus*, 1 May. At <https://www.derebus.org.za/what-have-the-courts-said-about-the-ethical-use-of-artificial-intelligence-in-legal-practice/>, accessed 29 October 2025.

Bibliography

- Van Rickley, S., 2024, "The Disqualification of Expert Witness for Artificial Intelligence Use". *FreeReferral Blog*, 15 October 2024, at <https://www.freereferral.com/blog/disqualification-of-expert-witness-for-artificial-intelligence-use>, accessed 7 October 2025.
- Vanlauwe, B., A. Bationo, J. Chianu, K.E. Giller, R. Merckx, U. Mokwunye & N. Sanginga, 2010, "Integrated Soil Fertility Management: Operational Definition and Consequences for Implementation and Dissemination". *Outlook on Agriculture* 39(1), 17–24.
- Vasdani, T., 2020, "Robot Justice: China's Use of Internet Courts". *LexisNexis Canada (The Lawyer's Daily)*, at <https://www.lexisnexis.ca/en-ca/ihc/2020-02/robot-justice-chinas-use-of-internet-courts.page>, accessed 7 October 2025.
- Vasko, T.B., 2022, "Nature and the Native". *Critical Research on Religion* 10(1), 7–23.
- Venditto, B., N.J. Kamwanyah & C.H. Nekare, 2022, *Climate Change, Migration and Urbanisation in Contemporary Namibia* (SITES Working Paper No. 14).
- von Carlowitz, P., S. Züfle & E. Schmid, 2025. "Die Rolle digitaler Technologien in Afrikas Landwirtschaftssektor". *GIGA Focus | Afrika* 6, 1–13.
- von Eschenbach, W.J., 2021, "Transparency and the Black Box Problem: Why We Do Not Trust AI". *Philosophy & Technology* 34, 1607–1622.
- Wachter, S., 2024, "Limitations and Loopholes in the EU AI Act and AI Liability Directives: What this Means for the European Union, the United States and Beyond". *Yale Journal of Law & Technology* 26(3), 671–718.
- Walcott-Bryant, A. & Y. Matias, 2025, "5 Ways We're Bringing AI Innovations to People Across Africa". *Google Blog (The Keyword)*, 24 July 2025, at <https://blog.google/intl/en-africa/company-news/outreach-and-initiatives/5-ways-were-bringing-ai-innovations-to-people-across-africa/>, accessed 7 October 2025.
- Wang, J., C. Xu, J. Zhang & R.Y. Zhong, 2021, "Big Data Analytics for Intelligent Manufacturing Systems: A Review". *Journal of Manufacturing Systems* 62, 738–752.
- WBGU / German Advisory Council on Global Change, 2026, *Security – Sustainable and Integrated. Situation Report No. 1.*
- WEF / World Economic Forum, 2024, *Community Paper: Scaling Technology Adoption for Soil Health: Focus on Africa.*
- Wenar, L., 2006, "Reparations for the Future". *Journal of Social Philosophy* 37(3), 396–405.
- Werner, J., 2024, "Navigating the New Frontier: How the EU AI Act Will Impact the Agriculture Industry". *Babl*, at <https://babl.ai/navigating-the-new-frontier-how-the-eu-ai-act-will-impact-the-agriculture-industry/>, accessed 12 July 2025.
- White & Case, 2024, "AI Watch: Global Regulatory Tracker – African Union". *White & Case*, 4 December 2024, at <https://www.whitecase.com/insight-our-thinking/ai-watch-global-regulatory-tracker-african-union>, accessed 7 October 2025.
- Wiebusch, M., 2024, *A Theory on Africanizing International Law*. Pretoria University Law Press.
- Wilkinson, R., A. Krasodowski, I. Wilkinson & F.J. Varela Sandoval, 2026, *Breaking the Deadlock on AI Governance: How a Crisis Could Lead to Global Coordination*, Chatham House, London.
- Williams, E., 1944, *Capitalism and Slavery*. Chapel Hill, NC: University of North Carolina Press.
- Wily, L.A., 2011, "'The Law is to Blame': The Vulnerable Status of Common Property Rights in Sub-Saharan Africa". *Development and Change* 42(3), 733–757.
- Wily, L.A., 2011, *Whose Land? The Status of Customary Land Tenure in Cameroon*. Yaoundé/London: Centre for Environment and Development, FERN & The Rainforest Foundation UK.

- WIPO / World Intellectual Property Organisation, 2019, *WIPO Technology Trends 2019: Artificial Intelligence*. Geneva: World Intellectual Property Organisation.
- Wise, L., 2021, “The Genocide–Ecocide Nexus in Sudan: Violent ‘Development’ and the Racial-Spatial Dynamics of (Neo)Colonial-Capitalist Extraction”. *Journal of Genocide Research* 23(2), 189–211.
- Wiseman, L., J. Sanderson, A. Zhang & E. Jakku, 2019, “Farmers and Their Data: An Examination of Farmers’ Reluctance to Share Their Data Through the Lens of the Laws Impacting Smart Farming”. *NJAS – Wageningen Journal of Life Sciences* 90–91, 1–10.
- Woldeyes, Y. G. & T. Belachew, 2021, “Decolonising the Environment through African Epistemologies”. *Gestión y Ambiente* 24(supl. 1), 61–81.
- World Economic Forum, 2024, *Scaling Technology Adoption for Soil Health: A Focus on Africa*. Geneva: WEF.
- World Economic Forum, 2024, *The Global Risks Report 2024* (19th ed.). Geneva: WEF.
- Wörsdörfer, M., 2023, “The E.U.’s Artificial Intelligence Act: An Ordoliberal Assessment”. SSRN https://papers.ssrn.com/sol3/papers.cfm?abstract_id=4544276.
- WTO / World Trade Organisation, 2024, *Trading with Intelligence: How AI Shapes and is Shaped by International Trade*. Geneva: WTO.
- WTO / World Trade Organisation, 2025, *World Trade Report 2025: Making Trade and AI Work Together to the Benefit of All*. Geneva: WTO.
- Wu, X., A. Pan & Q. She, 2021, “Direct and Indirect Effects of Climate Aid on Carbon Emissions in Recipient Countries”. *Journal of Cleaner Production* 290, 1–10.
- Wyatt, A.M., 2008, “The Dirt on International Environmental Law Regarding Soils: Is the Existing Regime Adequate?”. *Duke Environmental Law & Policy Forum* 19, 165–207.
- Xu, H., K. Donovan, E.C. Franks, B.H. Lee & M. Wong, 2023, *China’s New AI Regulation*. Latham & Watkins, at <https://www.lw.com/en/admin/upload/SiteAttachments/Chinas-New-AI-Regulations.pdf>, accessed 2 October 2025.
- Yu, D., H. Rosenfeld & A. Gupta, 2023, “The ‘AI Divide’ Between the Global North and the Global South”. *World Economic Forum*, 16 January 2023, at <https://www.weforum.org/stories/2023/01/davos23-ai-divide-global-north-global-south/>, accessed 7 October 2025.
- Yu, Z., E. Hou, J. Pompeo, R. Huffaker, M. Wang & Y. Zhao, 2025, “Agriculture Technology Providers’ Perspectives of Data Rights and Obligations in Agriculture Reflected by Farm Data Value Chain”. *Sustainable Futures* 9, 1–10.
- Yuen, A. & Y.L. Lee, 2026, “Understanding Singapore’s New Model Framework for Agentic AI Governance”. *Eversheds Sutherland Insights*, 2 February, at: <https://www.eversheds-sutherland.com/en/global/insights/singapore-understanding-singapores-new-model-framework-for-agentic-ai-governance>.
- Zaballos, E., 2025, “DeepSeek Breach Opens Floodgates to Dark Web”. *Dark Reading*, 22 April 2025, at <https://www.darkreading.com/cyberattacks-data-breaches/deepseek-breach-opens-floodgates-dark-web>, accessed 8 October 2025.
- Zarcone, C., 2024, “Richtlijn Bodemmonitoring: EU op Weg naar Gezonde Bodems 2050”. *Council of the European Union*, at <https://www.consilium.europa.eu/nl/press/press-releases/2024/06/17/soil-monitoring-law-eu-on-the-pathway-to-healthy-soils-by-2050/>, accessed 9 July 2025.
- Zhan, H. & W. Liao, 2024, “Ways to Improve China’s Ecological Governance Effectiveness through Artificial Intelligence”. *Environment, Resource and Ecology Journal* 8, 160–169.
- Zhang, Z., J. Zhang, X. Zhang & W. Mai, 2025, “A Comprehensive Overview of Generative AI (GAI): Technologies, Applications, and Challenges”. *Neurocomputing* 632.

Bibliography

- Zhelyazkova, A., E. Thomann, E. Ruffing & S. Princen, 2023, “Differentiated Policy Implementation in the European Union”. *West European Politics* 47(3), 439–465.
- Zhou, S., 2024, “Analyzing the Justification for Using Generative AI Technology to Generate Judgments Based on the Virtue Jurisprudence Theory”. *Journal of Decision Systems*, 1–24.

African Soil Protection Law



African Soil Protection Law

Mapping out options for a model legislation for improved sustainable soil management in Africa – a comparative legal analysis from Kenya, Cameroon and Zambia Edited by Prof. Dr. Oliver C. Ruppel, LL.M. and Dr. Harald Ginzky 2021, 528 pp., pb., € 138.00
ISBN 978-3-8487-6693-2
(Law and Constitution in Africa, vol. 41)
<https://doi.org/10.5771/9783748908043>

The protection of soil and the sustainable management of soils is a precondition for sustainable development, food security and the survival of humankind. Africa is the continent with the least land degradation. Yet the pressure on soils is already enormous and continuously increasing due to a range of factors, including poverty, over-exploitation, population growth and climate change. Drivers of unsustainable soil management include overstocking, overgrazing, water erosion, landslides, and over-application of agrochemicals. In light of this, the underlying legal, societal and political conditions have been comparatively analysed in “African Soil Protection Law”. Distinct country studies from Kenya, Cameroon and Zambia serve to comparatively expose the serious impediments

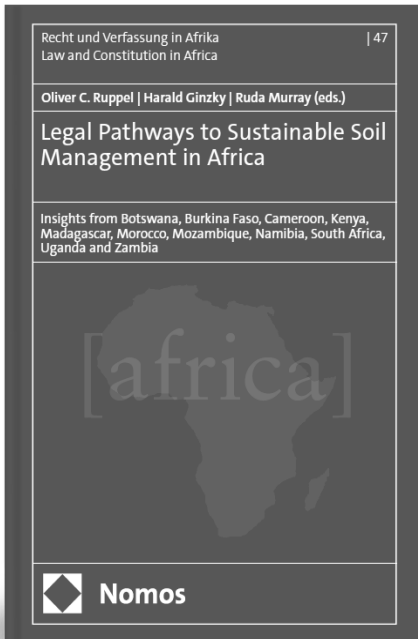
of soil in Africa. While mapping out options for model legislation for improved sustainable soil management in Africa, the publication addresses intertwined, interdisciplinary and complex questions pertaining to soils, which may also be of comparative interest to other continents and jurisdictions.

Editors

Prof. Dr. Oliver C. Ruppel, Professor of Law and Director, Development and Rule of Law Programme (DROPP), Faculty of Law, Stellenbosch University, South Africa.
Dr. Harald Ginzky, Legal Advisor, German Environment Agency, Germany.



Nomos



Legal Pathways to Sustainable Soil Management in Africa

Insights from Botswana, Burkina Faso, Cameroon, Kenya, Madagascar, Morocco, Mozambique, Namibia, South Africa, Uganda and Zambia

Edited by Prof. Dr. Oliver C. Ruppel, LL.M., Dr. Harald Ginzky and Ruda Murray

2025, 871 pp., hc., € 199.00

ISBN 978-3-7560-0210-8

E-Book 978-3-7489-5123-0

(Recht und Verfassung in Afrika – Law and Constitution in Africa, vol. 47)



With contributions by

Dr. Emma Chitsove | Dr. Laila Dalaa | Prof. Riyad Fakhri | Hugo Ferrier | Dr. Harald Ginzky | Ikhlas Bouanan | Issa Martin Bikienga | Prof. Patricia Kameri-Mbote | Irene Kamunge | Linda Kassner | Dr. Delwendé Innocent Kiba | Wendpayangdé Inès Carolle Kiba | Eng. Laban Kipkorir Kiplagat | Prof. Youness Lazrak Hassouni | Falk Matthies | Dr. Rachid Moussadek | Ruda Murray | Georgina E.T. Naluzze | Dr. Andriantahina Raktotondralambo | Tsaroana Harizay Rakotoniary | Félicie Ralalaharimiadana | Prof. Oliver C. Ruppel | Dr. Pamela Towela Sambo | Prof. Christopher Funwie Tamasang | James Kipkerebulit Yatic

This publication is based on a project funded by the German Federal Ministry for Economic Cooperation and Development (BMZ) on a “Model Law for Sustainable Soil Management in Africa”. One of the key findings of the research underscores the urgent need for more comprehensive soil protection laws and coordinated efforts to tackle the root causes of soil degradation in Africa. It highlights legal pathways to improve soil management and ensure the long-term sustainability of Africa’s soil resources. The book provides an in-depth analysis of soil protection efforts across various African countries, including Botswana, Burkina Faso, Cameroon, Kenya, Madagascar, Morocco, Mozambique, Namibia, South Africa, Uganda, and Zambia.