



Faculty of Arts and Social Sciences  
Environmental Science

## Course Reading

### Sustainable Development from a Safety Perspective

Valid from 01/20/2025

**Course Code:** MVAE34

**Course Title:** Sustainable Development from a Safety Perspective

**Credits:** 7.5

**Degree Level:** Master's level

---

#### Books

Becker, P. (2023). *Sustainability Science: Managing Risk and Resilience for Sustainable Development*. Elsevier

#### Articles

Bradshaw, S. (2015). Engendering development and disasters. *Disasters*, 39 (s1), 54-75

Du Plessis, C. (1999). The links between crime prevention and sustainable development. *Open house international* (24), p. 33-40.

Hallegatte, S., & Rentschler, J. (2015). Risk management for development: Assessing obstacles and prioritizing action. *Risk Analysis*, 35 (2), p. 193-210

Kelman, I. (2015). Climate change and the Sendai Framework for Disaster Risk Reduction. *International Journal of Disaster Risk*, 6 (2), p. 117-127

Kelman, I. (2017). Linking disaster risk reduction, climate change, and the sustainable development goals. *Disaster Prevention and Management: An International Journal*, 26 (3), p. 254-258

Ma, Y., Feng, G. F., & Chang, C. P. (2024). From traditional innovation to green innovation: How an occurrence of natural disasters influences sustainable development?. *Sustainable Development*, 32 (3), p. 2779-2796

Mebratu, D (1998). Sustainability and Sustainable Development: Historical and Conceptual Review. *Environmental Impact Assessment Review*, 18, p. 493-520

Rodriguez-Navas, G., Duboc, L., Betz, S., Chitchyan, R., Penzenstadler, B., & Venters, C (2015). Safety vs. sustainability design: Analogies, differences and potential synergies

#### Web resources

Eurostat (2023). Sustainable development in the European Union - Monitoring report on progress towards the SDGs in an EU context - 2023 edition. <https://ec.europa.eu/eurostat/en/web/products-flagship-publications/w/KS-04-23-184>

Strange, T., & Bayley, A. (2008). Sustainable development: Linking economy, society, and environment. [https://www.oecd.org/en/publications/sustainable-development\\_9789264055742-en.html](https://www.oecd.org/en/publications/sustainable-development_9789264055742-en.html)

UNISDR. (2015). Sendai Framework for Disaster Risk Reduction 2015-2030. [https://www.preventionweb.net/files/43291\\_sendaiframeworkfordrren.pdf](https://www.preventionweb.net/files/43291_sendaiframeworkfordrren.pdf)

United Nations. (1987). Our common future. <http://www.un-documents.net/our-common-future.pdf>

United Nations. (2015). Transforming our world: The 2030 Agenda for Sustainable Development. <https://sustainabledevelopment.un.org/content/documents/21252030%20Agenda%20for%20Sustainable%20Development%20web.pdf>

World Bank. (2013). World Development Report 2014: Risk and opportunity - Managing risk for development. <https://documents.worldbank.org/en/publication/documents-reports/documentdetail/273251468336570194/world-development-report-2014-risk-and-opportunity-managing-risk-for-development-overview>

#### Misc.

Kötter, T. (2004), Risks and opportunities of urbanisation and megacities. In Proceedings of the FIG Working Week, Athens, Greece, [https://www.fig.net/resources/proceedings/fig\\_proceedings/athens/papers/ps02/ps02\\_2\\_kotter.pdf](https://www.fig.net/resources/proceedings/fig_proceedings/athens/papers/ps02/ps02_2_kotter.pdf)

Mochizuki, J., Mechler, R., Hochrainer-Stigler, S., Keating, A., & Williges, K. (2014), Revisiting the disaster and development debate: Toward a broader understanding of macroeconomic risk and resilience. *Climate Risk Management*, 3, s. 39-54

Ray, P. A., Yang, Y. C. E., Wi, S., Khalil, A., Chatikavanij, V., & Brown, C. (2015). Room for improvement: Hydroclimatic challenges to poverty-reducing development of the Brahmaputra River basin, *Environmental Science & Policy*, 54, s. 64-80.

Robinson, J. (2004). Squaring the circle? Some thoughts on the idea of sustainable development, *Ecological Economics*, 48(4), s. 369-384.

Wen, J., Wan, C., Ye, Q., Yan, J., & Li, W. (2023). Disaster risk reduction, climate change adaptation and their linkages with sustainable development over the past 30 years: A review, *International Journal of Disaster Risk Science*, 14(1), s. 1-13.

Other relevant literature will also be added.

---

Approved by the Faculty Board of Arts and Social Sciences 01/20/2025