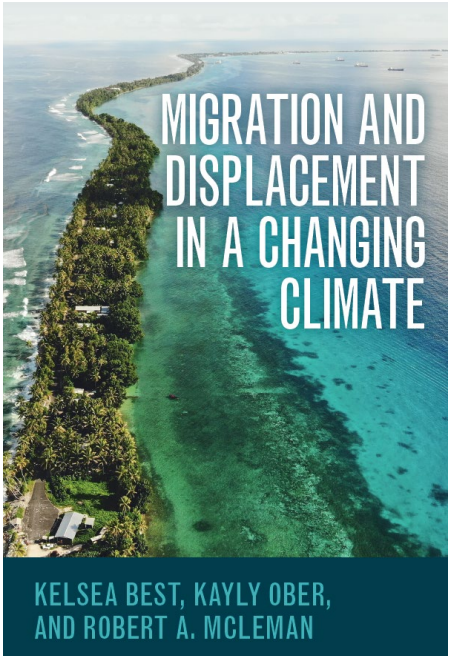


Instructional resource - Figures



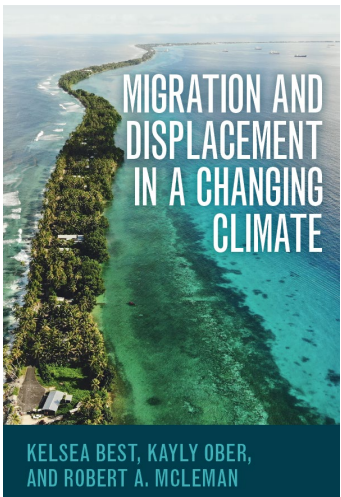
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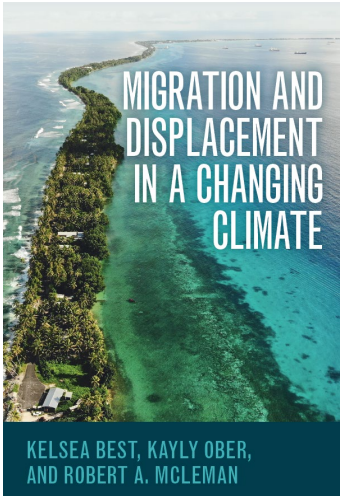
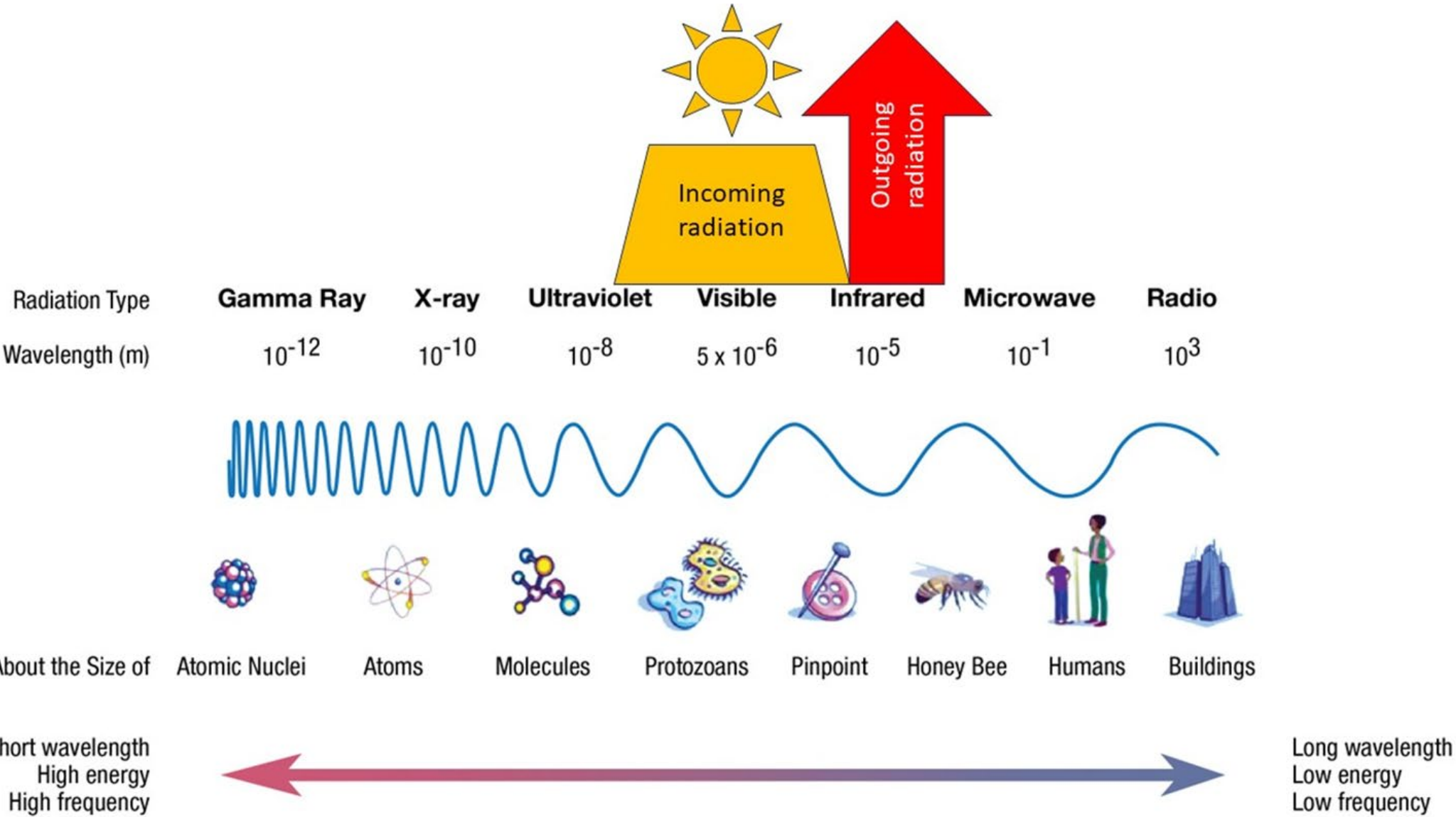
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Figure 1.1: Anasazi cliff dwelling at Mesa Verde National Park, Colorado, USA



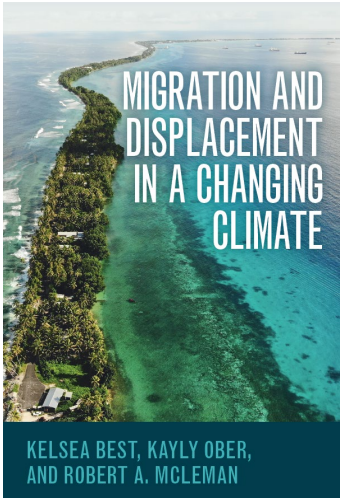
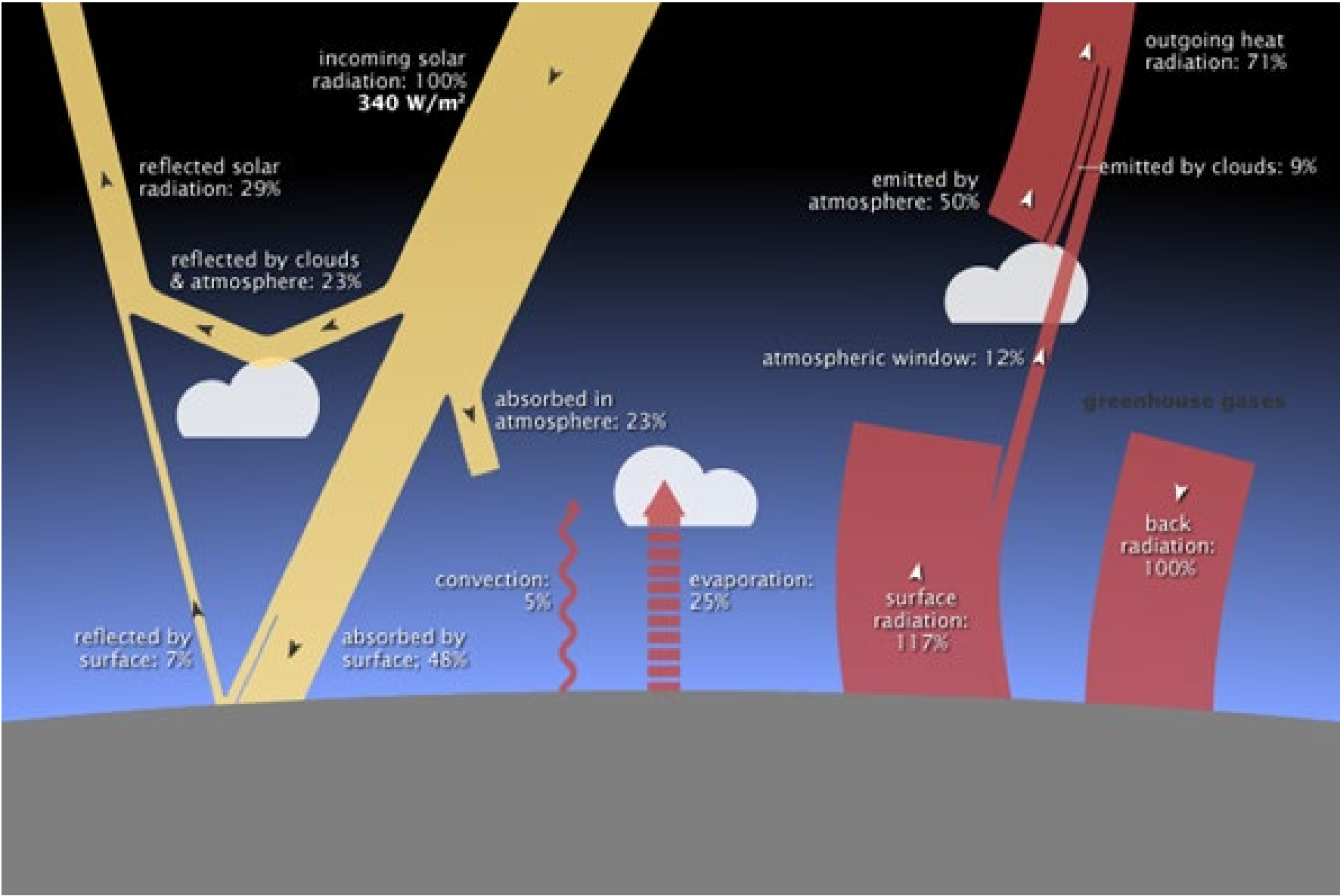
Source: Best, K., Ober, K. & McLeman, R. 2025. *Migration & Displacement in a Changing Climate*. Cambridge University Press.

Figure 1.2: Electromagnetic spectrum



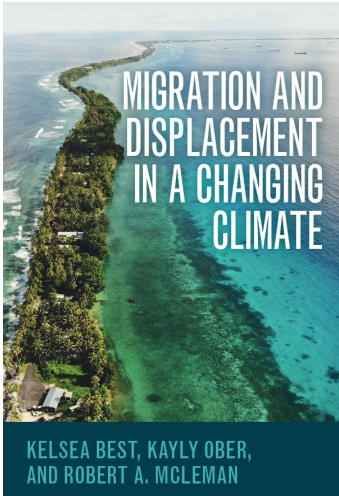
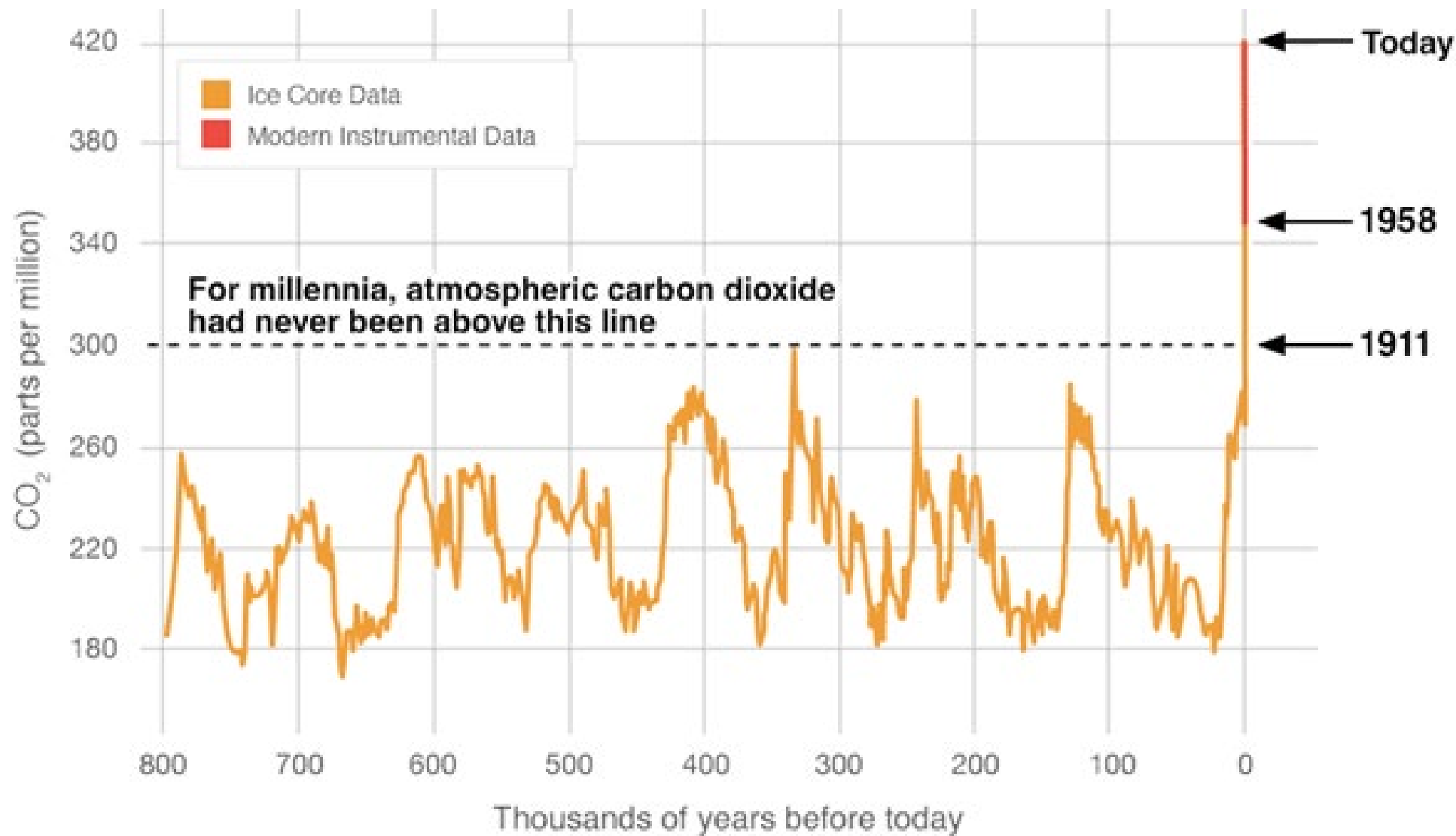
Source: Best, K., Ober, K. & McLeman, R. 2025. *Migration & Displacement in a Changing Climate*. Cambridge University Press.

Figure 1.3: Radiation balance



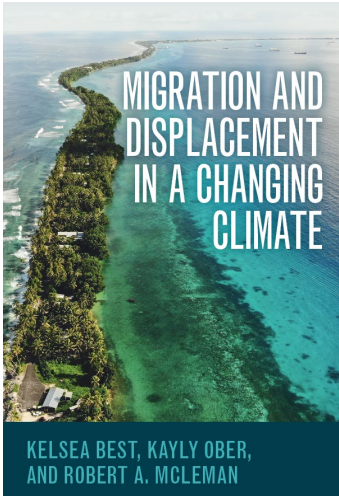
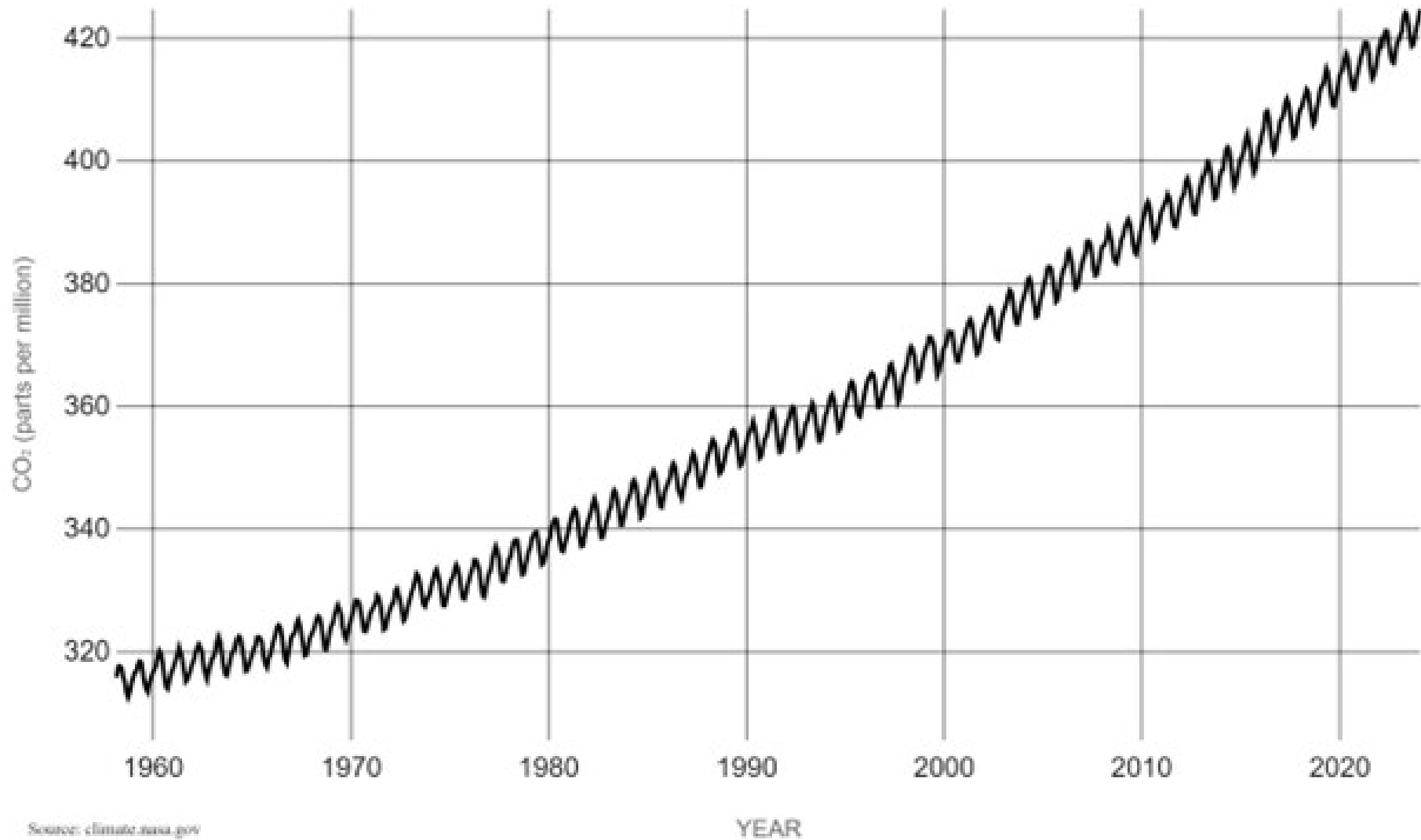
Source: Best, K., Ober, K. & McLeman, R. 2025. *Migration & Displacement in a Changing Climate*. Cambridge University Press.

Figure 1.4: Atmospheric concentrations of carbon dioxide, last 800,000 years



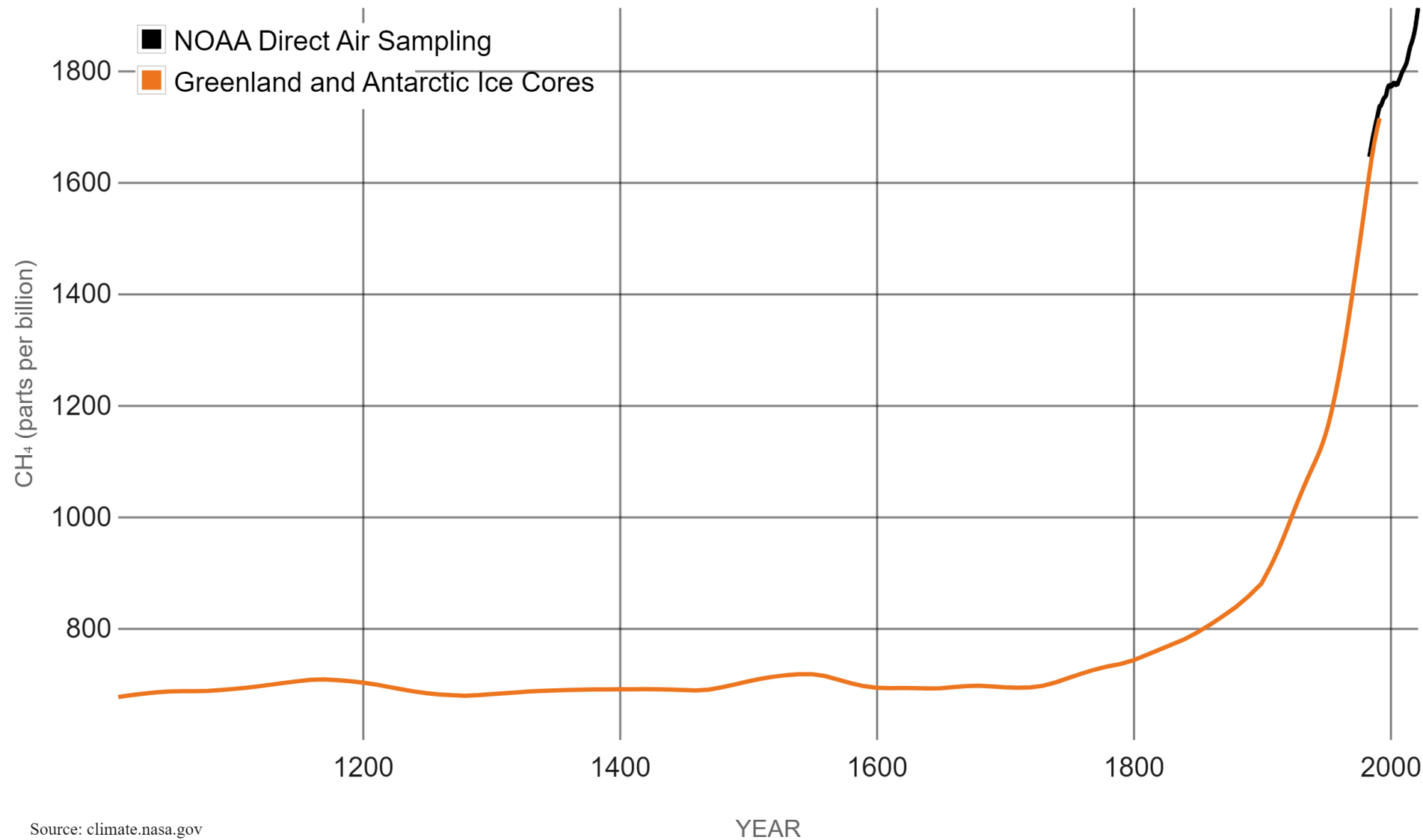
Source: Best, K., Ober, K. & McLeman, R. 2025. *Migration & Displacement in a Changing Climate*. Cambridge University Press.

Figure 1.5: Daily measurements of atmospheric carbon dioxide since 1950s



Source: Best, K., Ober, K. & McLeman, R. 2025. *Migration & Displacement in a Changing Climate*. Cambridge University Press.

Figure 1.6: Atmospheric concentrations of methane, last 1,00 years



Source: climate.nasa.gov

Source: Best, K., Ober, K. & McLeman, R. 2025. *Migration & Displacement in a Changing Climate*. Cambridge University Press.

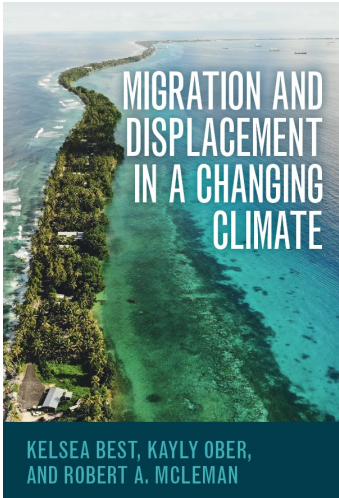
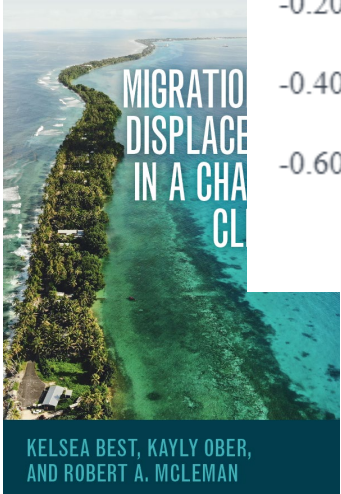
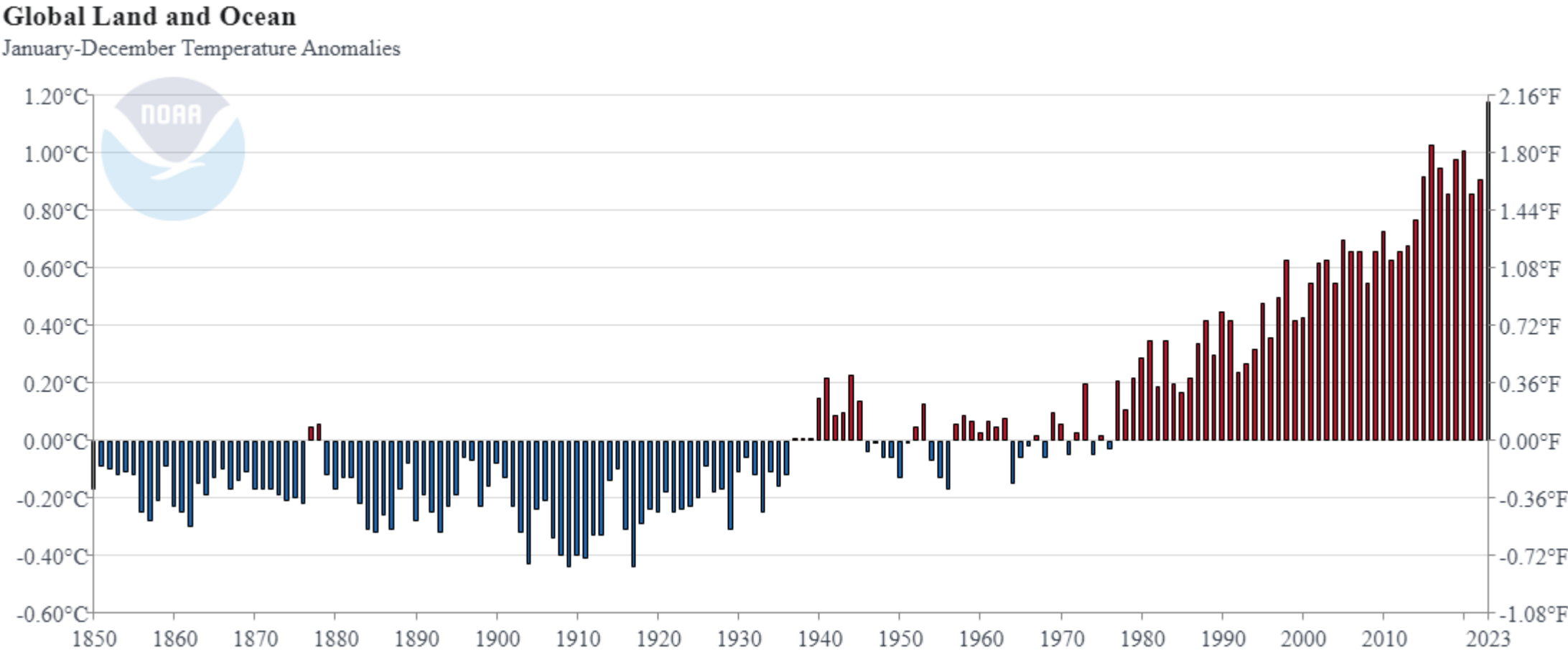
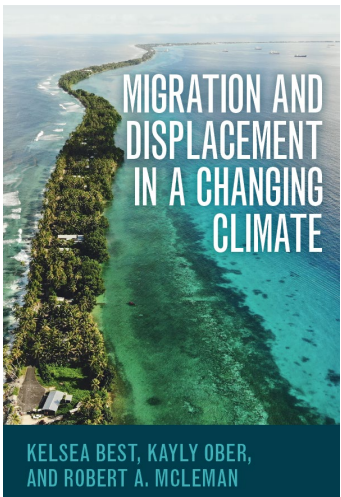
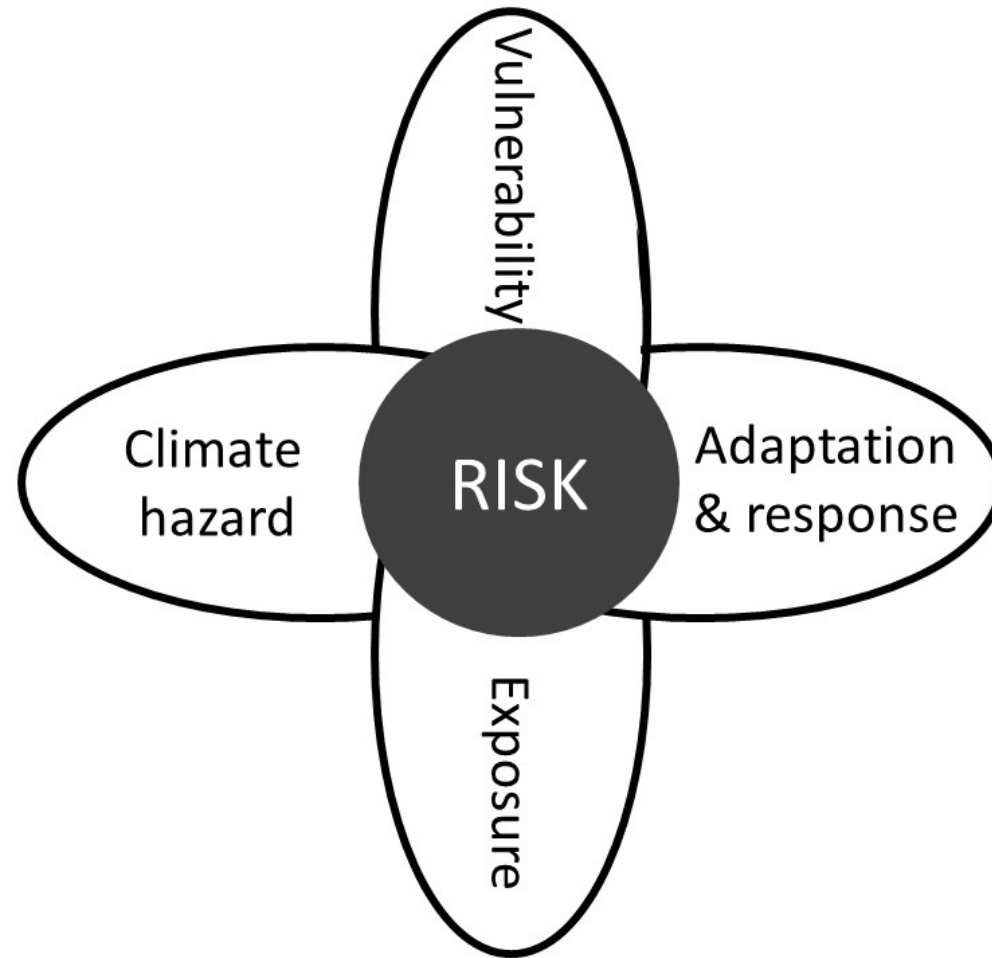


Figure 1.7: Average global temperature change since 1850



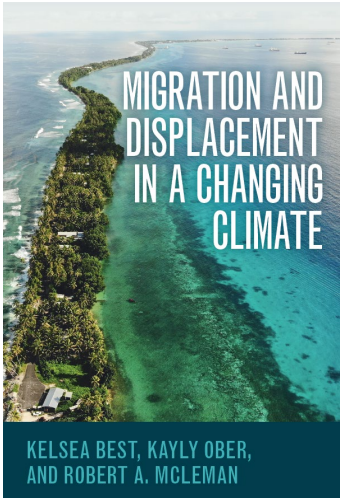
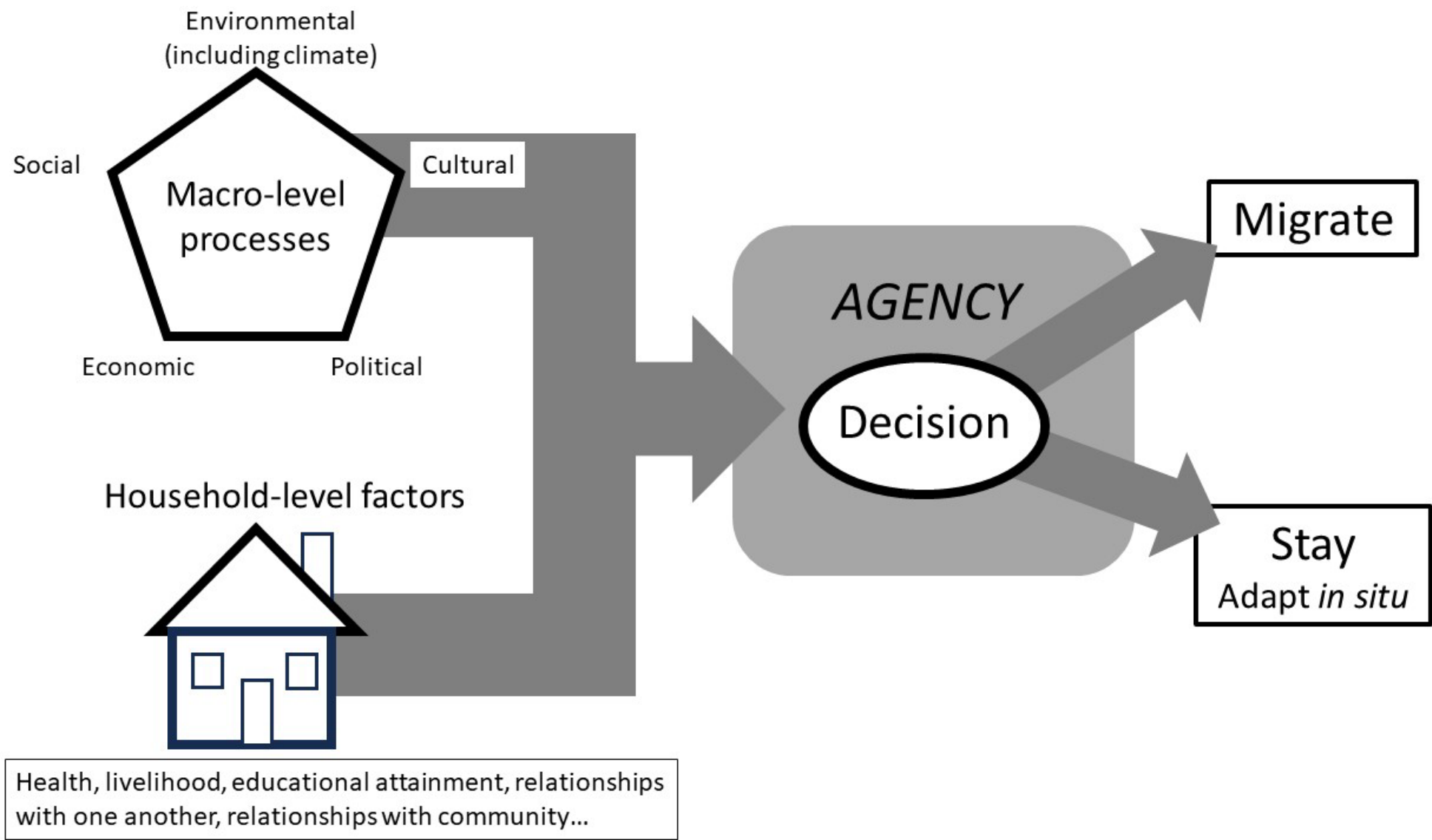
Source: Best, K., Ober, K. & McLeman, R. 2025. *Migration & Displacement in a Changing Climate*. Cambridge University Press.

Figure 1.8: Conceptual diagram of climate risk used in IPCC 2022 Assessment Report



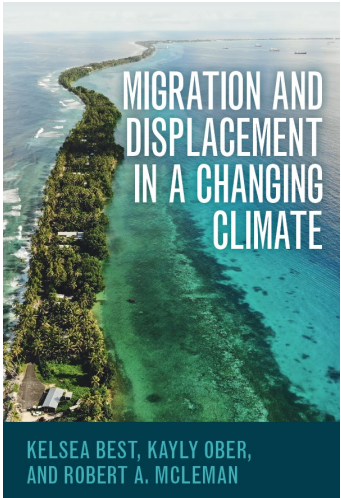
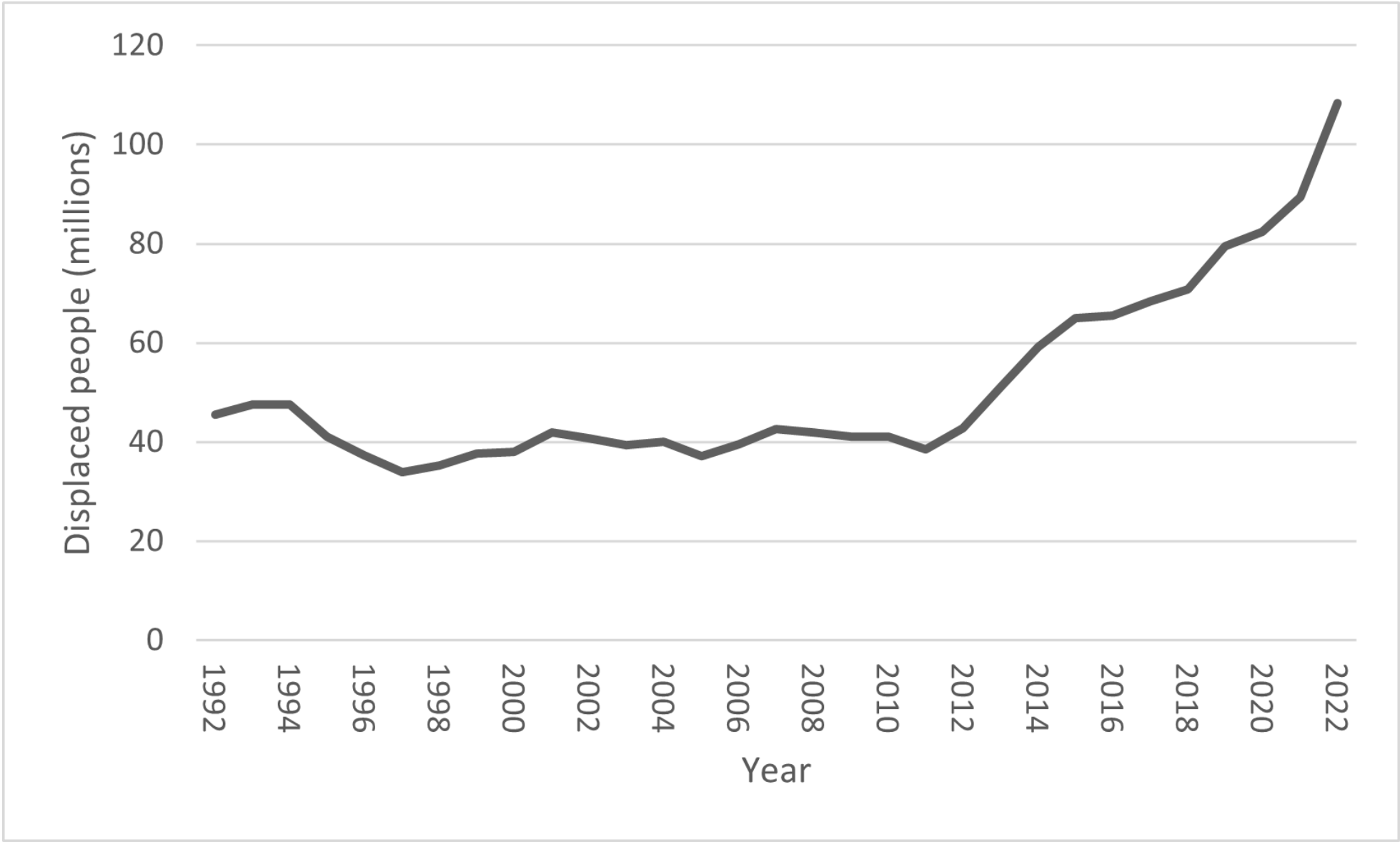
Source: Best, K., Ober, K. & McLeman, R. 2025. *Migration & Displacement in a Changing Climate*. Cambridge University Press.

Figure 1.9: Diagram showing climate adaptation process + migration outcomes



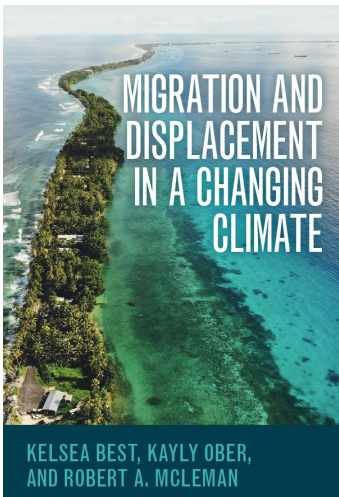
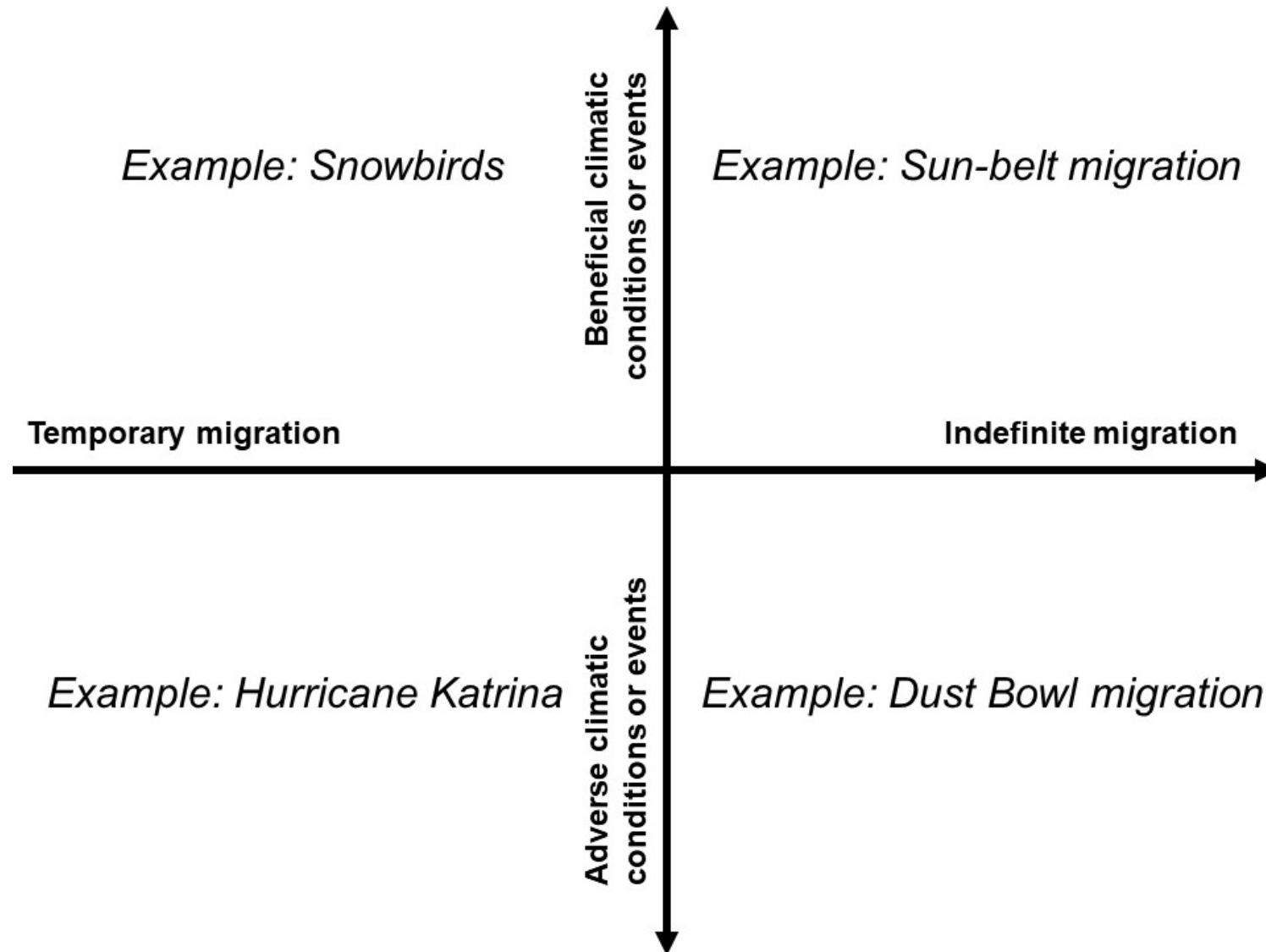
Source: Best, K., Ober, K. & McLeman, R. 2025. *Migration & Displacement in a Changing Climate*. Cambridge University Press.

Figure 1.10: Estimated number of people displaced globally, 1992-2022



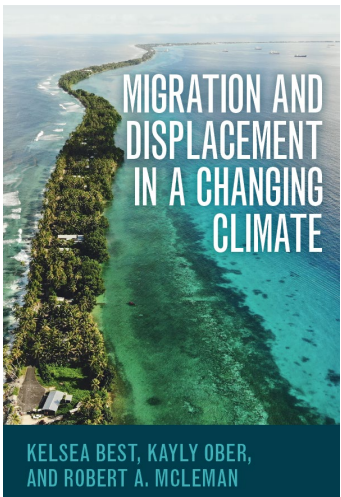
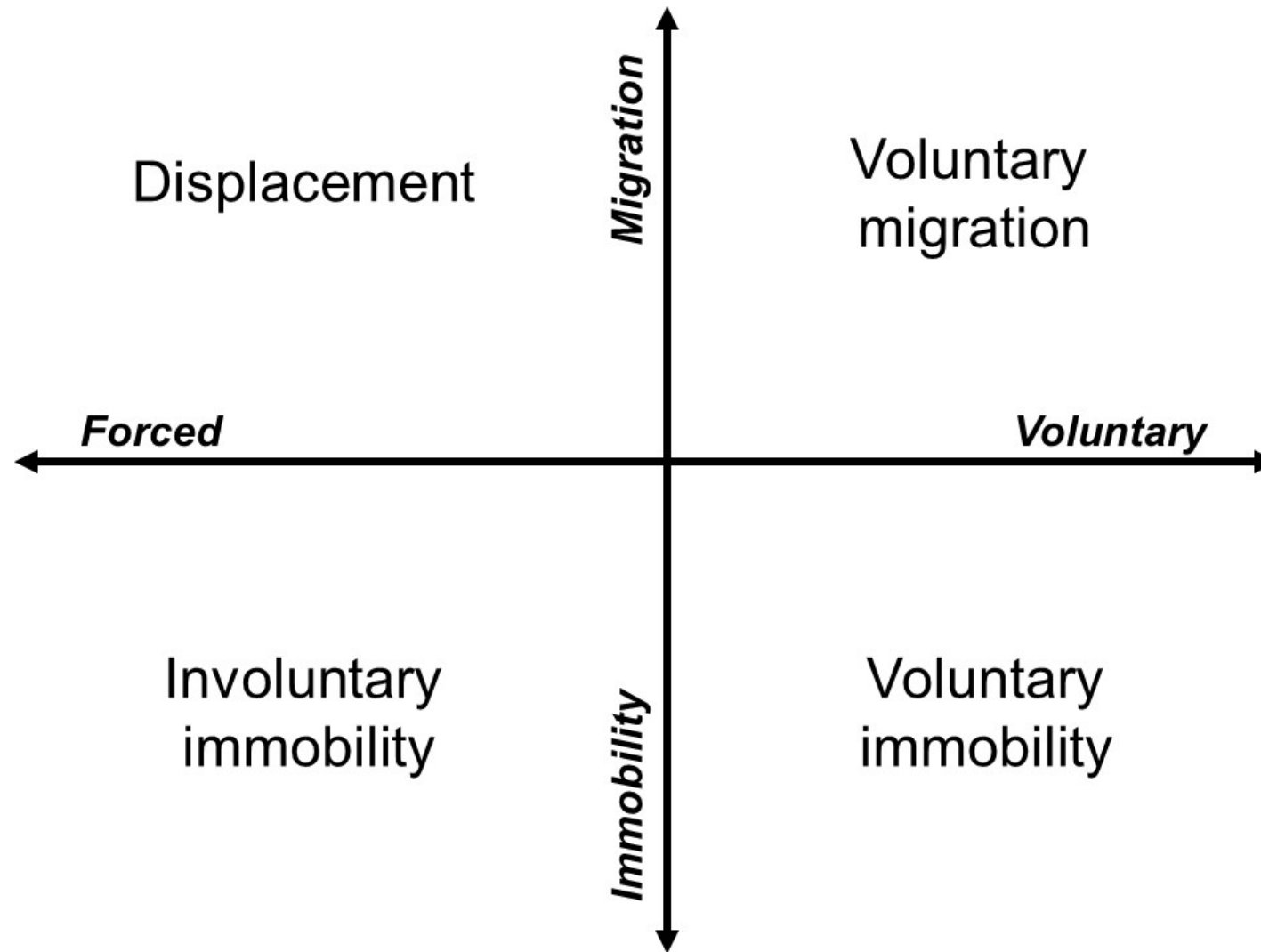
Source: Best, K., Ober, K. & McLeman, R. 2025. *Migration & Displacement in a Changing Climate*. Cambridge University Press.

Figure 1.11: General types of climate-related migration, with examples from USA



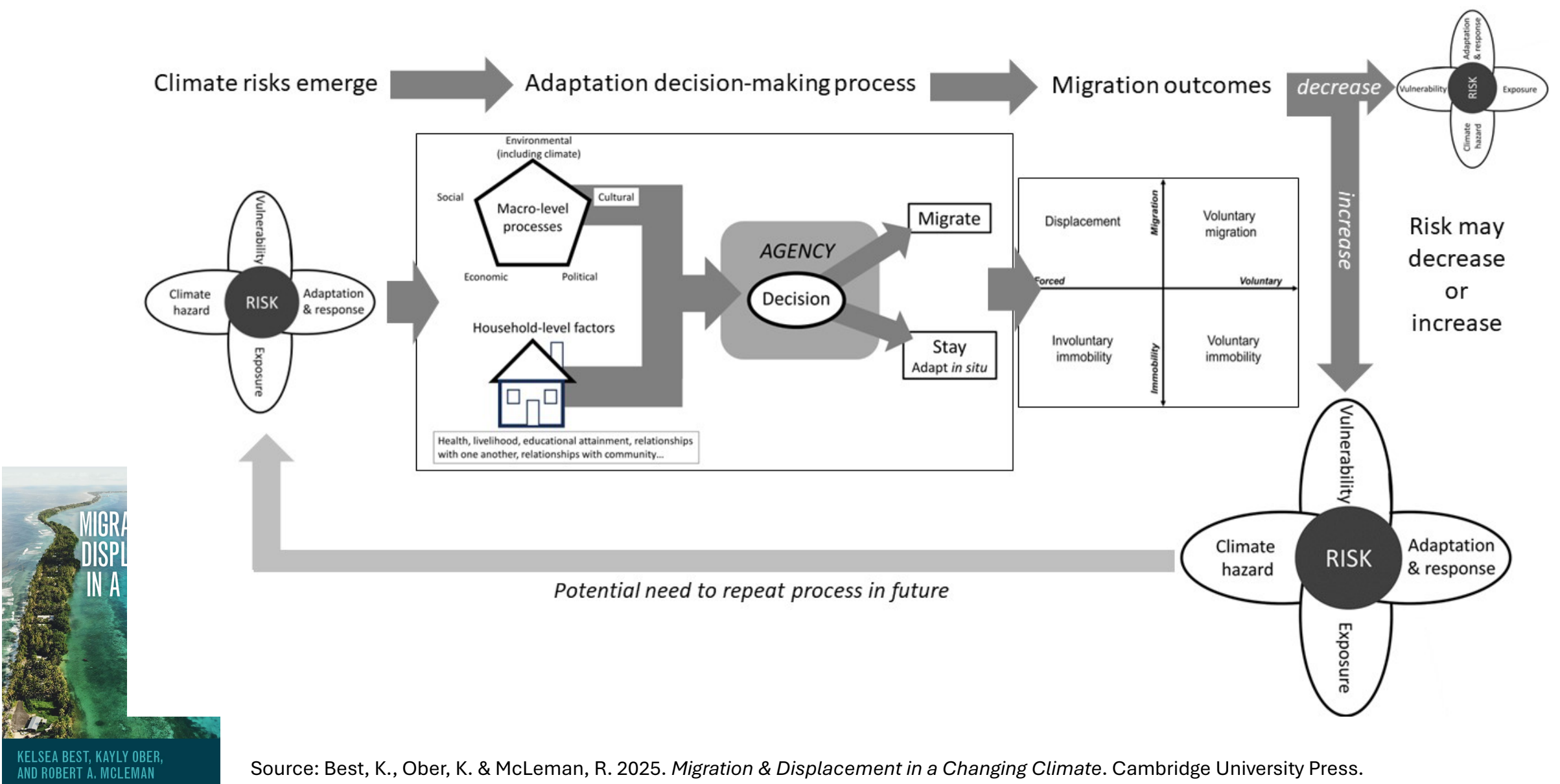
Source: Best, K., Ober, K. & McLeman, R. 2025. *Migration & Displacement in a Changing Climate*. Cambridge University Press.

Figure 1.12: Four general types of mobility/immobility based on migrant agency



Source: Best, K., Ober, K. & McLeman, R. 2025. *Migration & Displacement in a Changing Climate*. Cambridge University Press.

Figure 1.13: Diagram showing processes that shape migration & displacement in changing climate



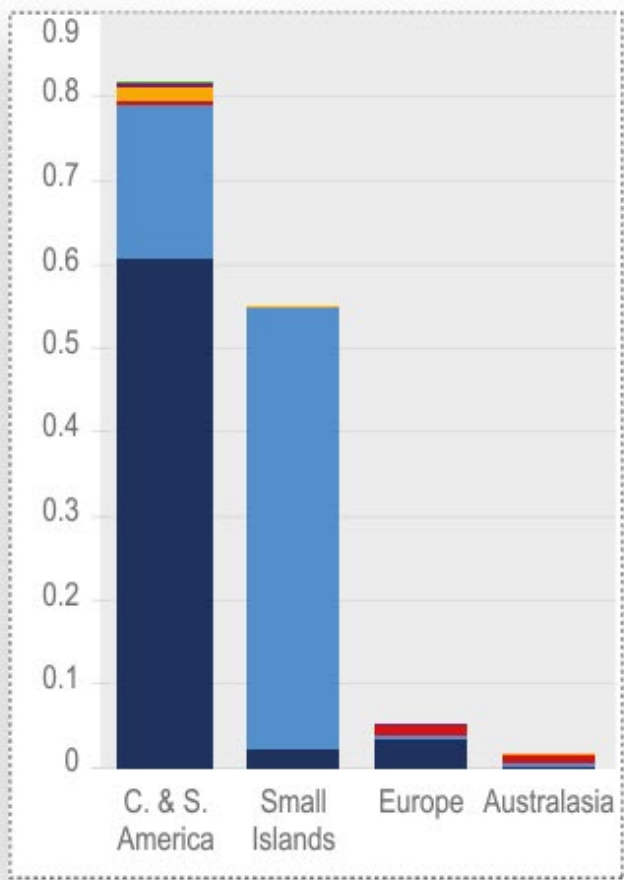
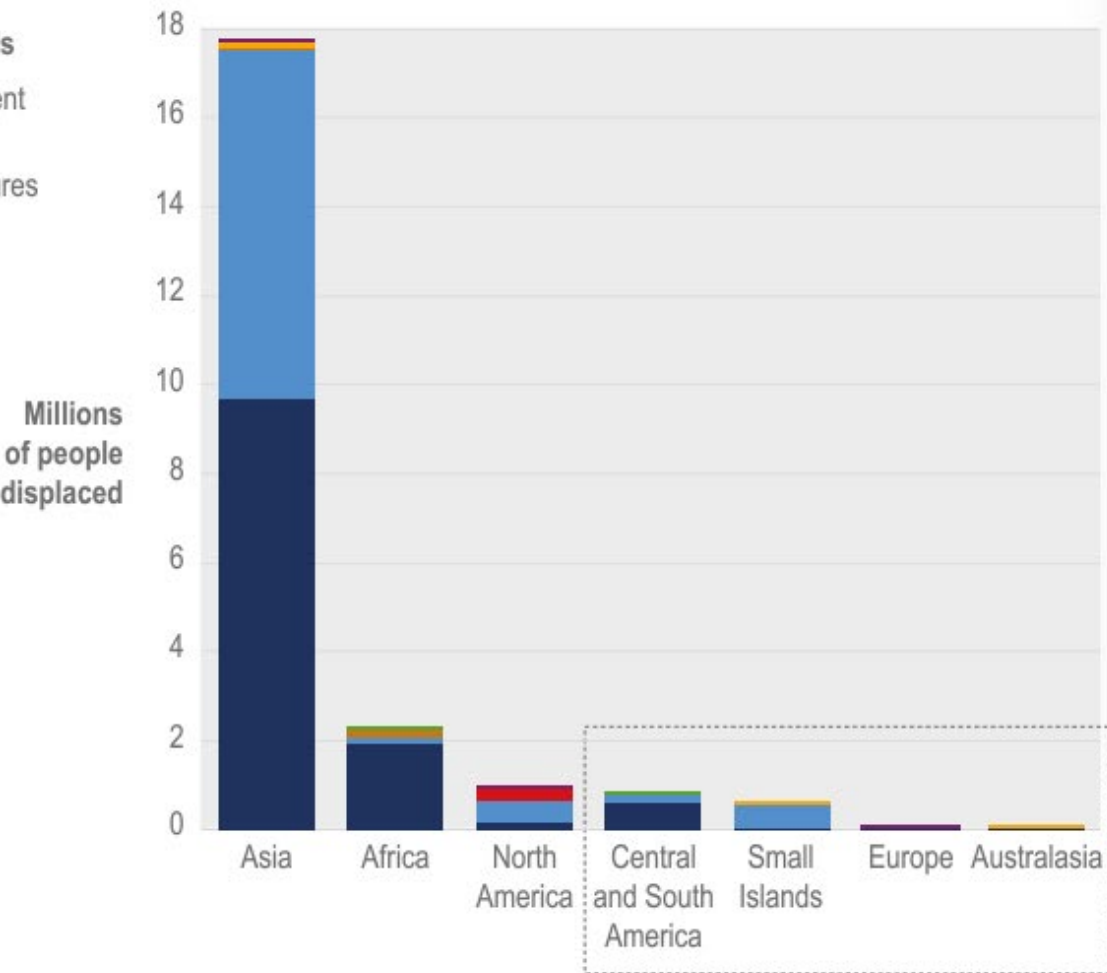
Source: Best, K., Ober, K. & McLeman, R. 2025. *Migration & Displacement in a Changing Climate*. Cambridge University Press.

Figure 2.1: Average annual weather-related displacements, by region & hazard type, from IPCC 2022

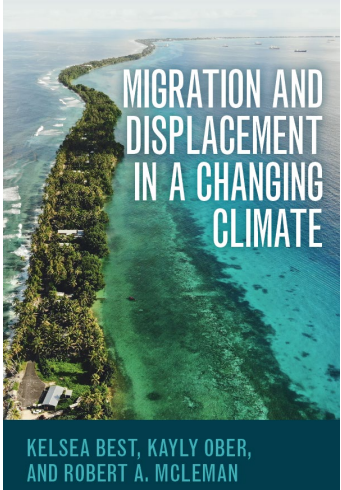
Average annual weather-related displacements, 2010–2020

Weather-related hazards

- Wet mass movement
- Mass movement
- Extreme temperatures
- Drought
- Wildfire
- Storm
- Flood

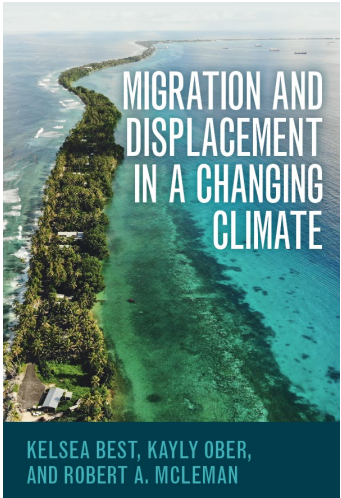
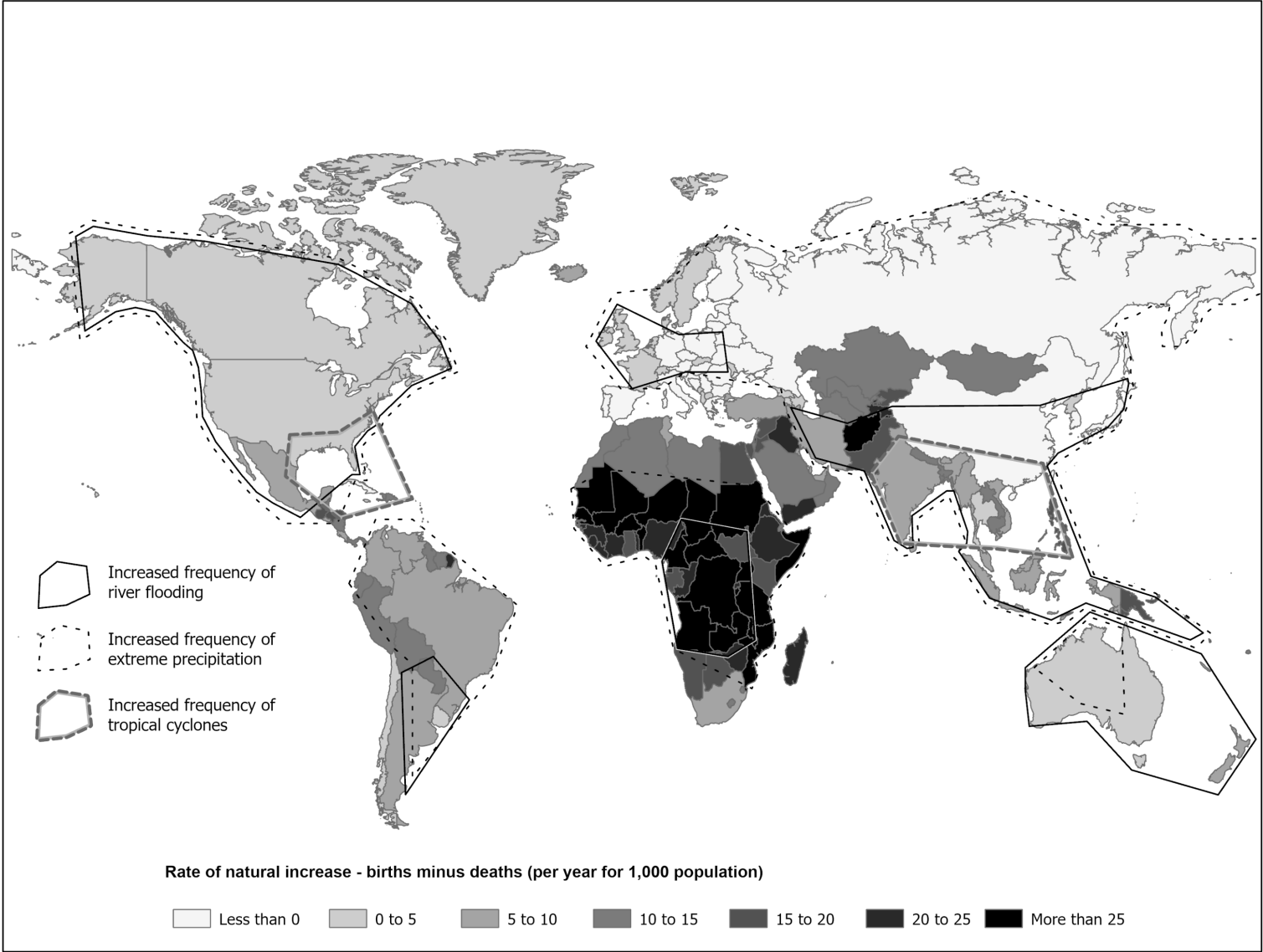


Expanded inset



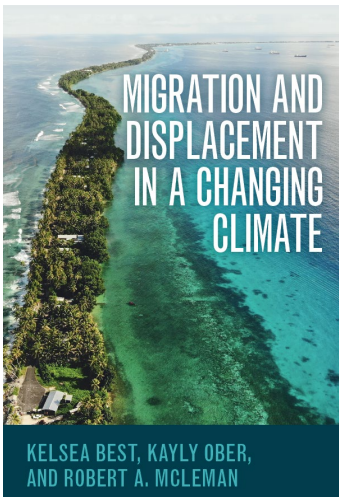
Source: Best, K., Ober, K. & McLeman, R. 2025. *Migration & Displacement in a Changing Climate*. Cambridge University Press.

Figure 2.2: Global map showing national rate of population increase + emerging hazard risks



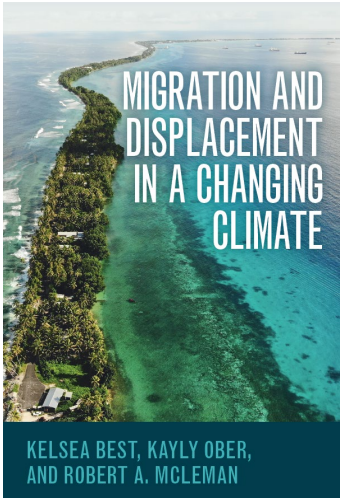
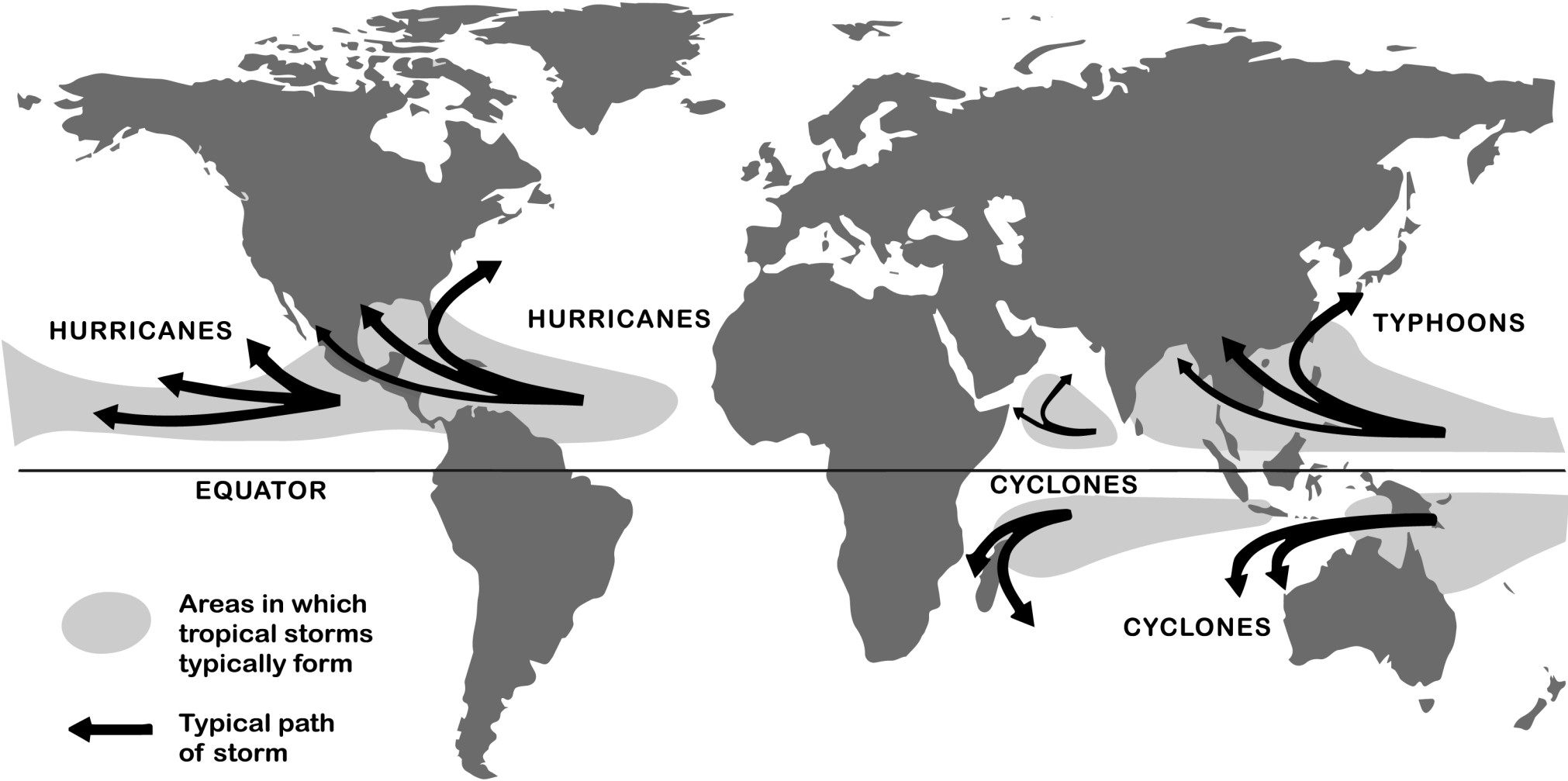
Source: Best, K., Ober, K. & McLeman, R. 2025. *Migration & Displacement in a Changing Climate*. Cambridge University Press.

Figure 2.3: Metal hurricane tie attaching ceiling joist to wall frame



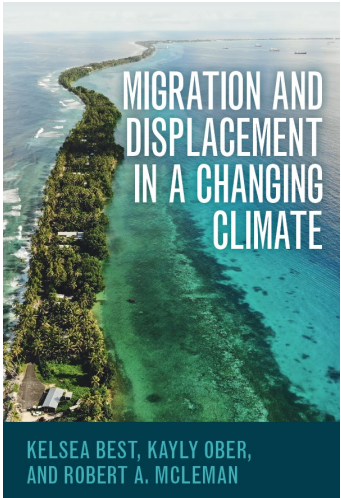
Source: Best, K., Ober, K. & McLeman, R. 2025. *Migration & Displacement in a Changing Climate*. Cambridge University Press.

Figure 2.4: Regions where tropical storms & cyclones form



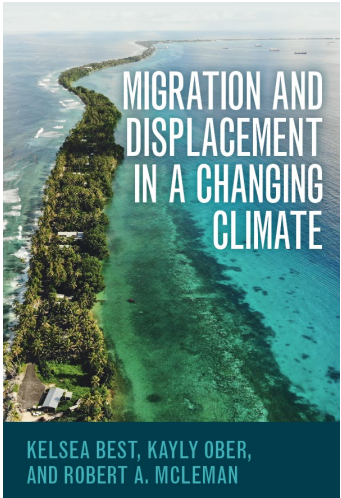
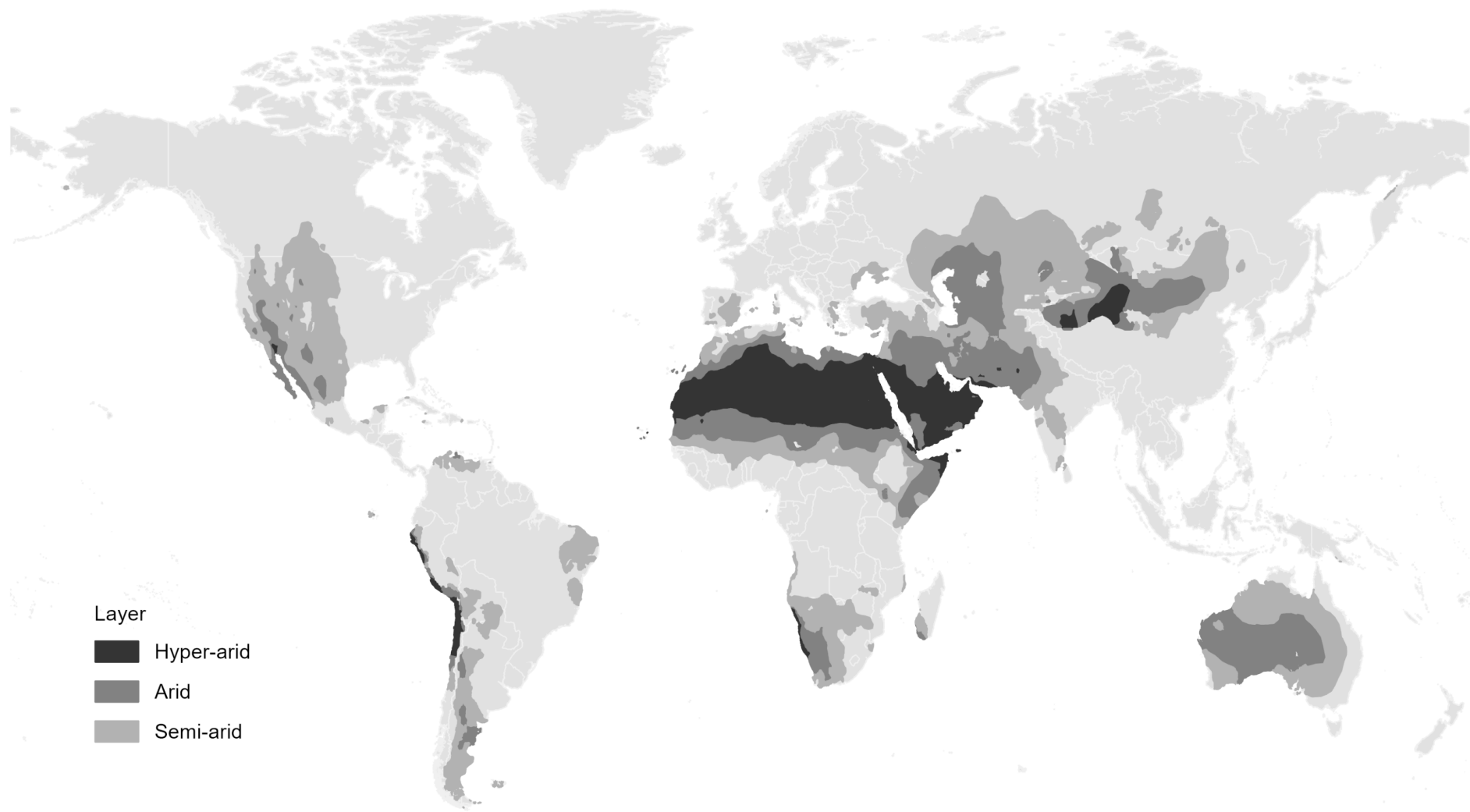
Source: Best, K., Ober, K. & McLeman, R. 2025. *Migration & Displacement in a Changing Climate*. Cambridge University Press.

Figure 2.5: Map showing where tornadoes form



Source: Best, K., Ober, K. & McLeman, R. 2025. *Migration & Displacement in a Changing Climate*. Cambridge University Press.

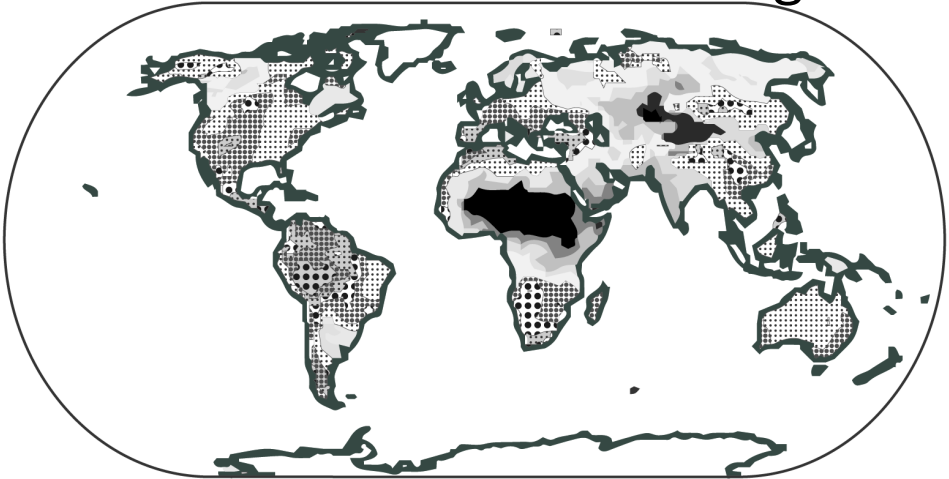
Figure 3.1: Arid lands around the world



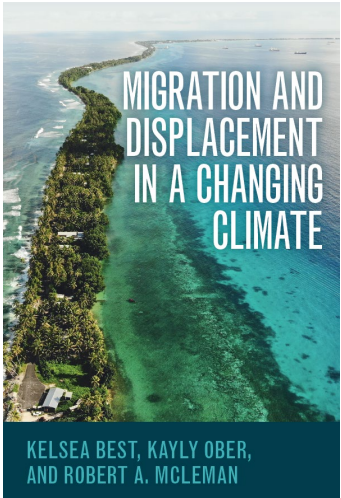
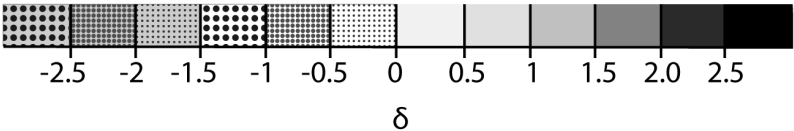
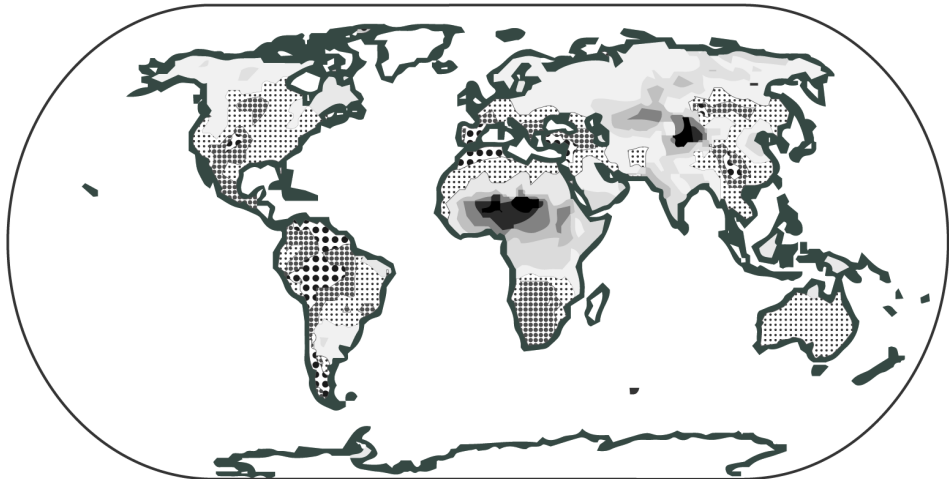
Source: Best, K., Ober, K. & McLeman, R. 2025. *Migration & Displacement in a Changing Climate*. Cambridge University Press.

Figure 3.2: Modeled changes in soil moisture under different warming scenarios

Direction of soil moisture change
under +4°C warming

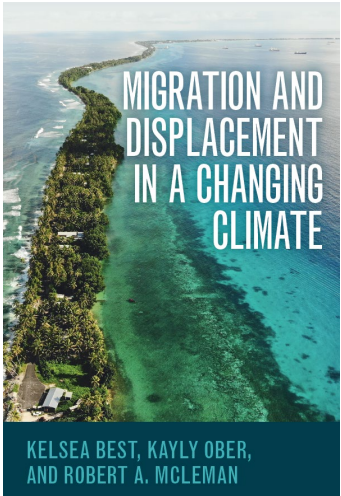
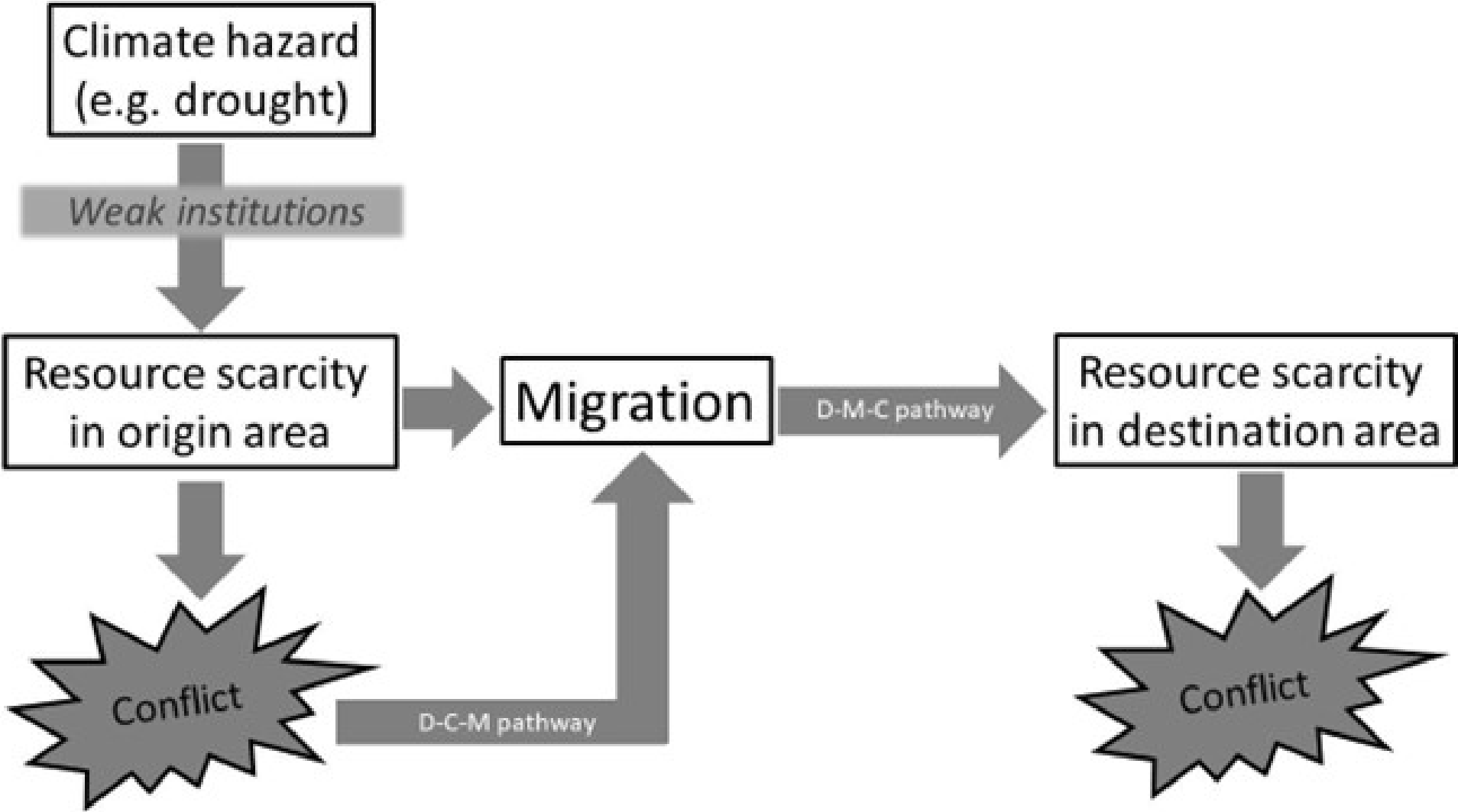


Direction of soil moisture change
under +2°C warming



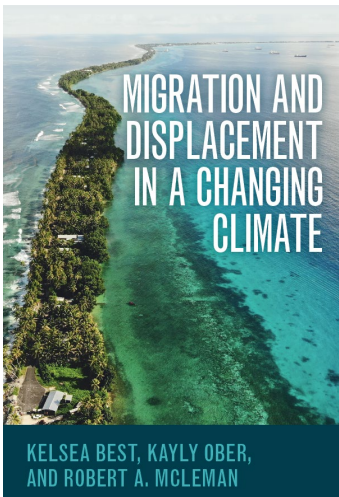
Source: Best, K., Ober, K. & McLeman, R. 2025. *Migration & Displacement in a Changing Climate*. Cambridge University Press.

Figure 3.3: Hypothesized links between disasters, conflicts & migration



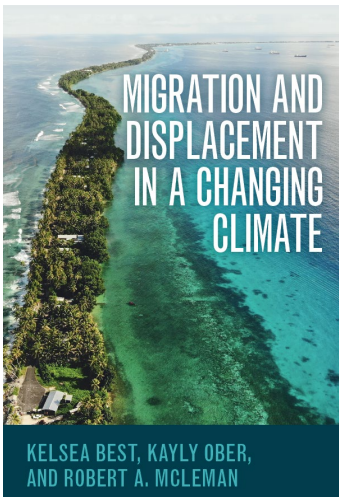
Source: Best, K., Ober, K. & McLeman, R. 2025. *Migration & Displacement in a Changing Climate*. Cambridge University Press.

Figure 4.1: Young mangroves, Tampa bay, Florida



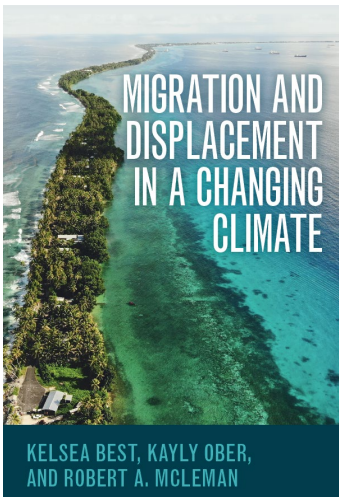
Source: Best, K., Ober, K. & McLeman, R. 2025. *Migration & Displacement in a Changing Climate*. Cambridge University Press.

Figure 4.2: School building on stilts, Grand Isle, Louisiana



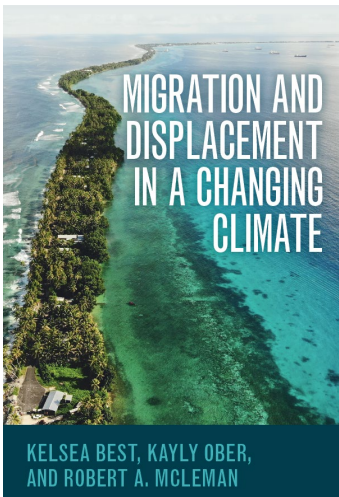
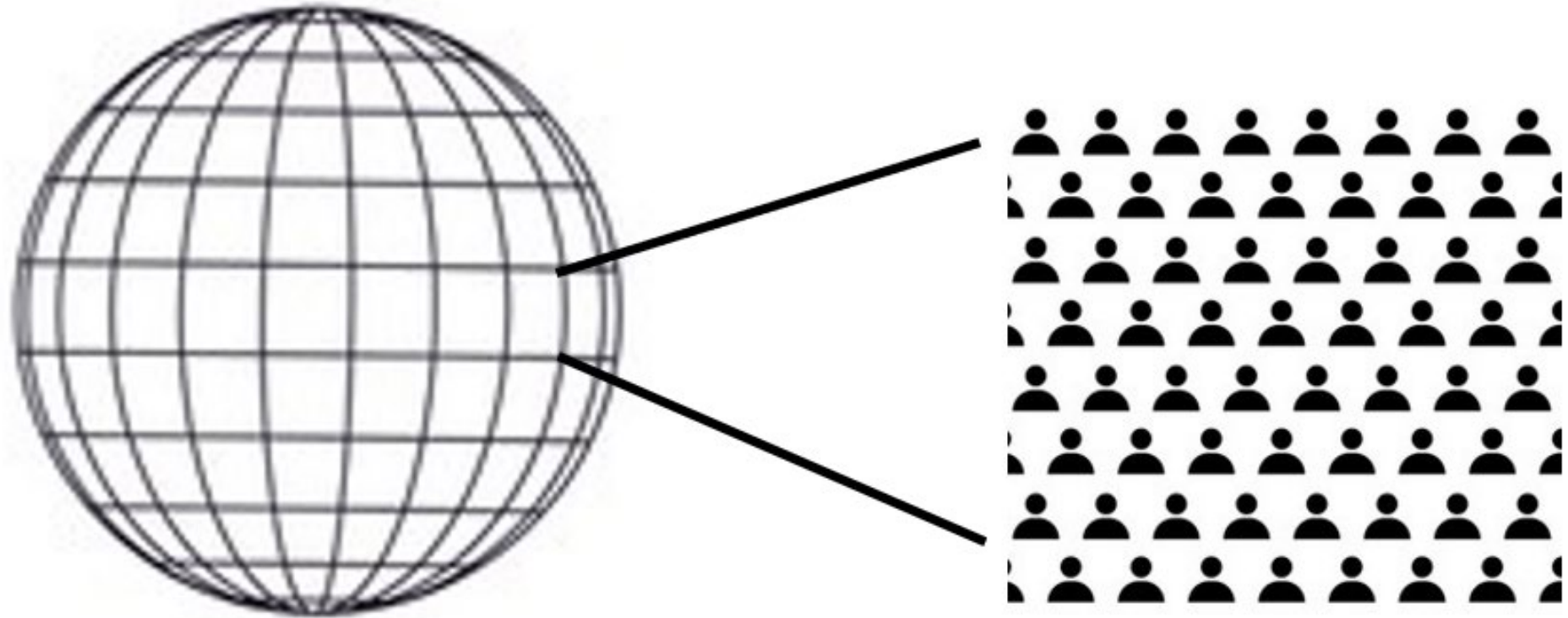
Source: Best, K., Ober, K. & McLeman, R. 2025. *Migration & Displacement in a Changing Climate*. Cambridge University Press.

Figure 4.3: Overhead view of atoll



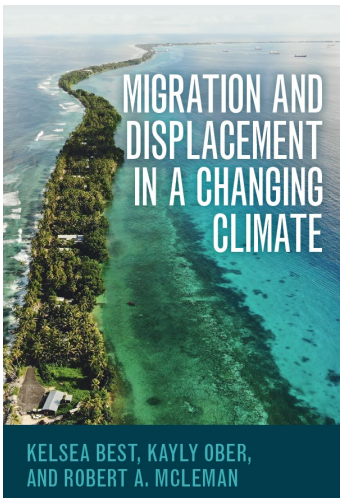
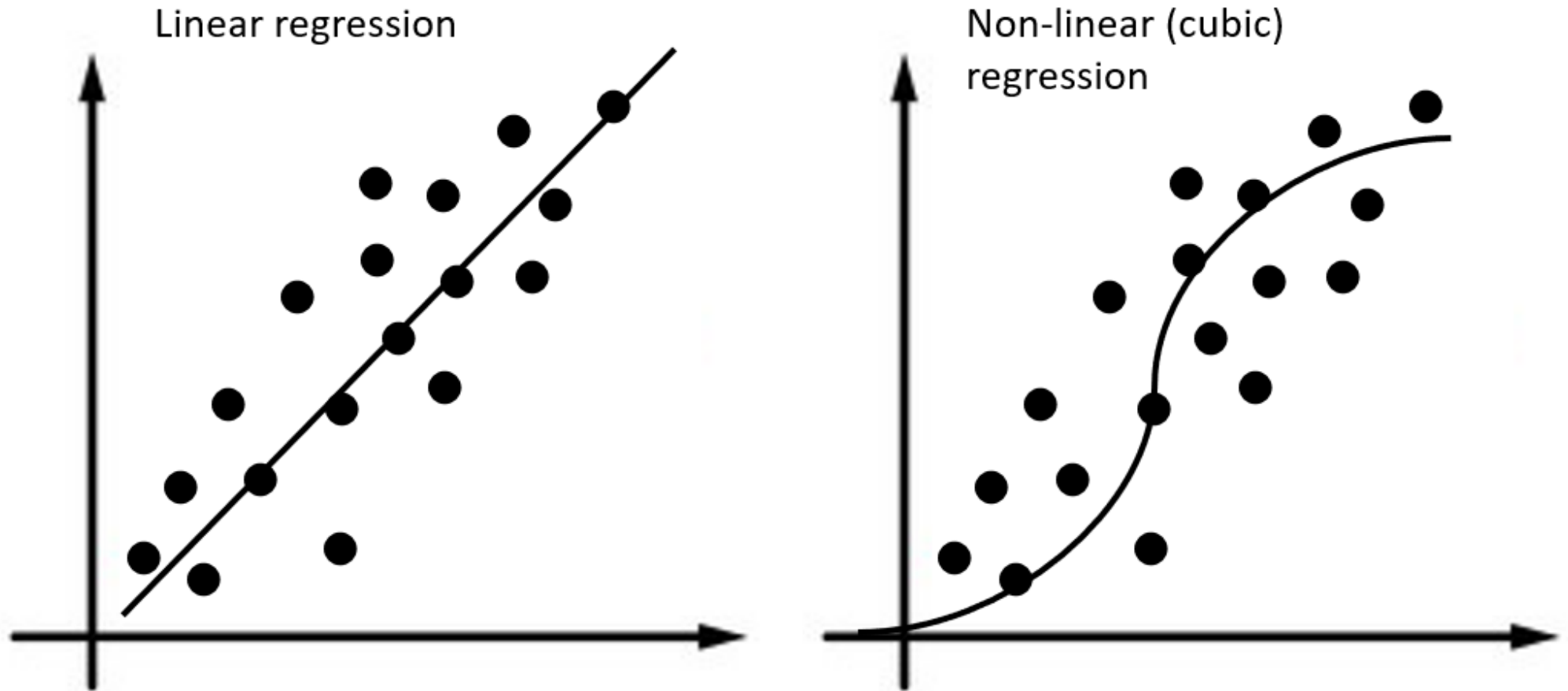
Source: Best, K., Ober, K. & McLeman, R. 2025. *Migration & Displacement in a Changing Climate*. Cambridge University Press.

Figure 5.1: Diagram showing gridded population data



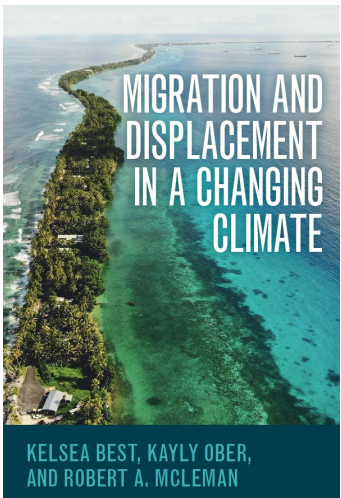
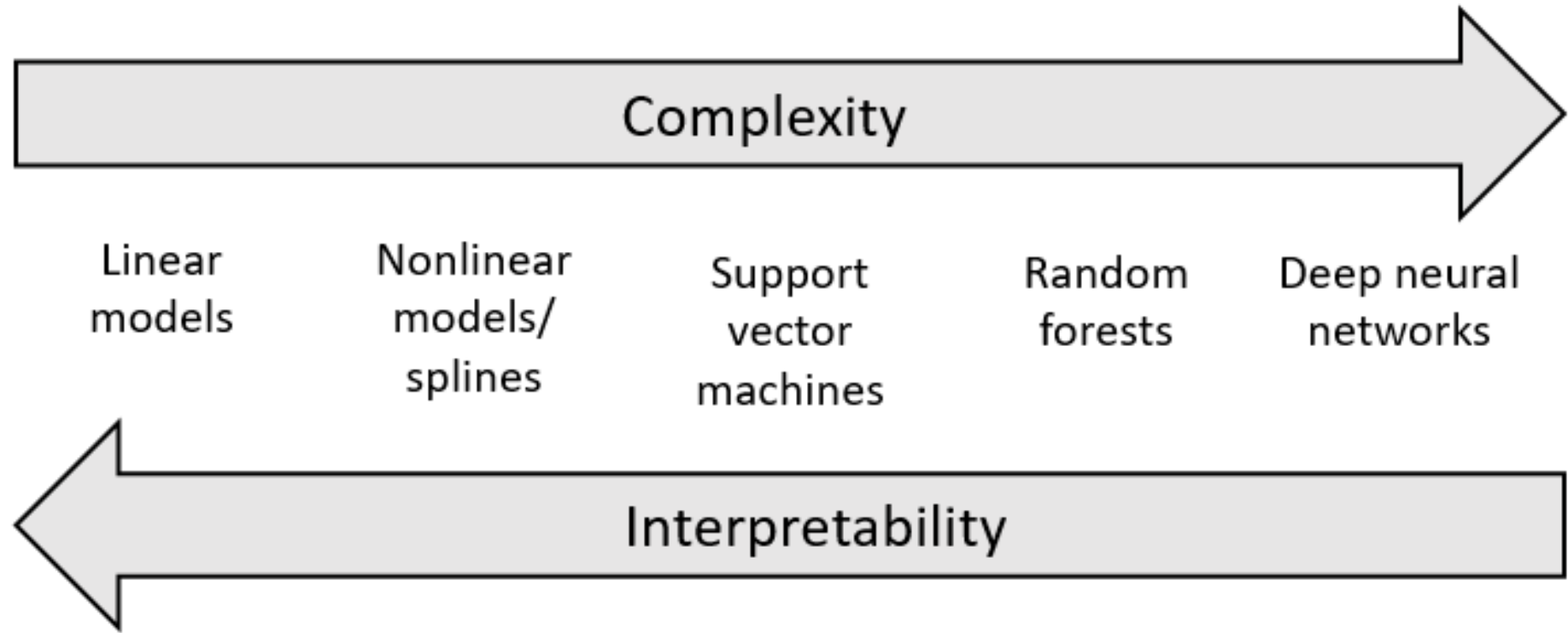
Source: Best, K., Ober, K. & McLeman, R. 2025. *Migration & Displacement in a Changing Climate*. Cambridge University Press.

Figure 5.2: Diagram showing linear regression vs non-linear regression



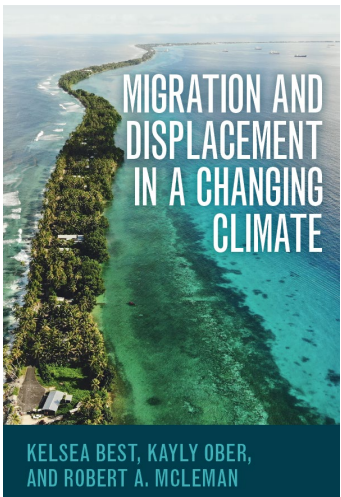
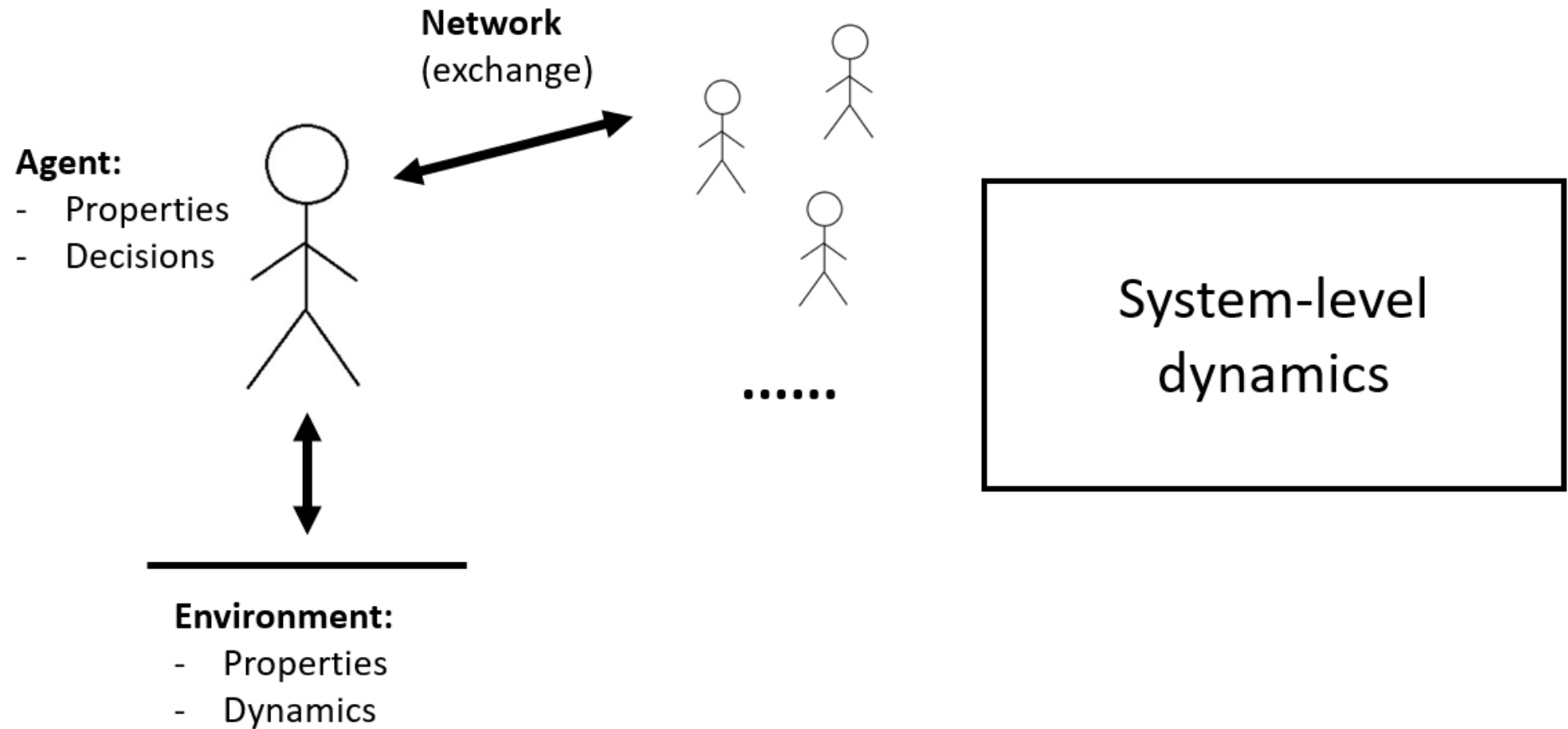
Source: Best, K., Ober, K. & McLeman, R. 2025. *Migration & Displacement in a Changing Climate*. Cambridge University Press.

Figure 5.3: Tradeoffs between complexity & interpretability when selecting model types



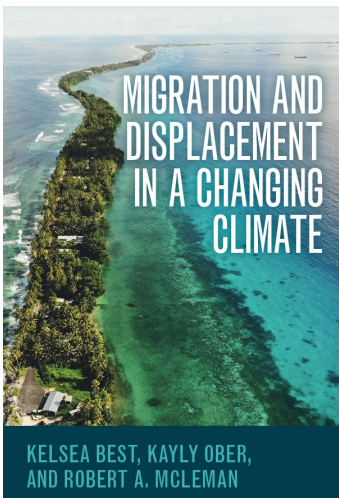
Source: Best, K., Ober, K. & McLeman, R. 2025. *Migration & Displacement in a Changing Climate*. Cambridge University Press.

Figure 5.4: Conceptual diagram of agent-based models



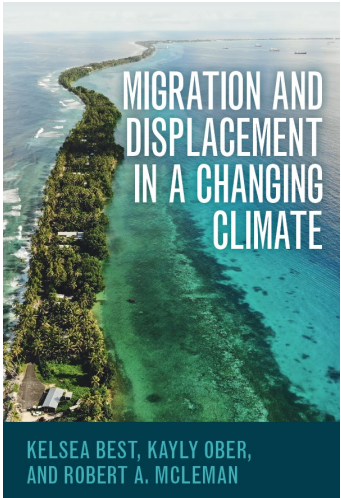
Source: Best, K., Ober, K. & McLeman, R. 2025. *Migration & Displacement in a Changing Climate*. Cambridge University Press.

Figure 6.1: Entrance to UNFCCC COP23 meeting, Bonn, Germany, 2017



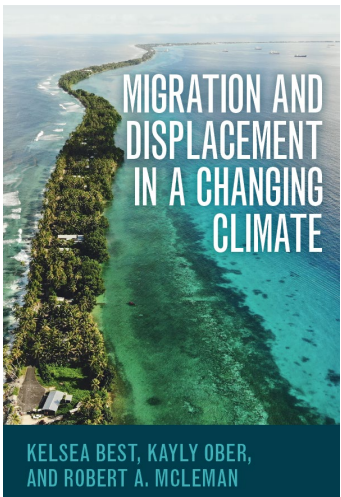
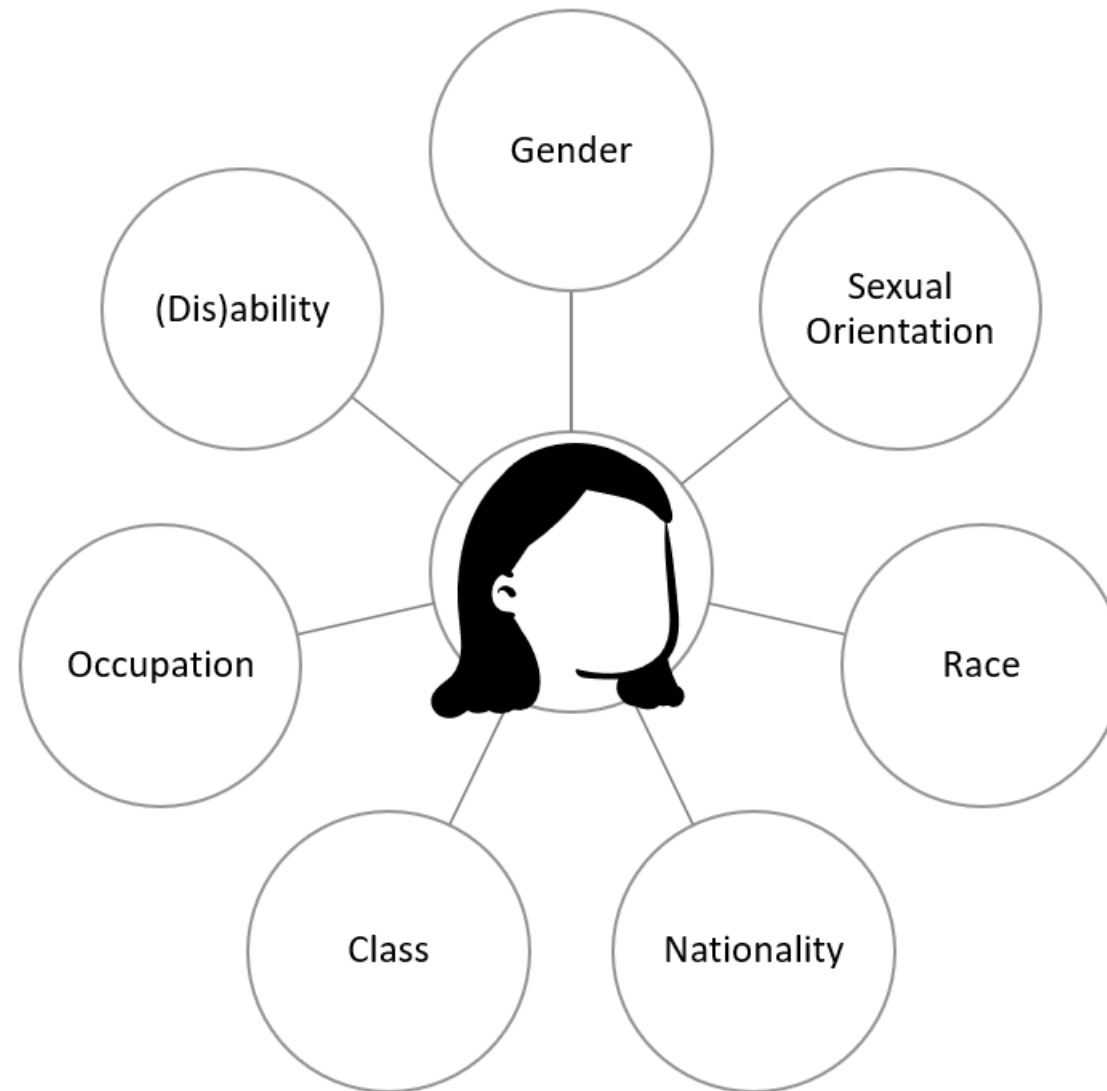
Source: Best, K., Ober, K. & McLeman, R. 2025. *Migration & Displacement in a Changing Climate*. Cambridge University Press.

Figure 6.2: The UN Sustainable Development Goals (SDGs)



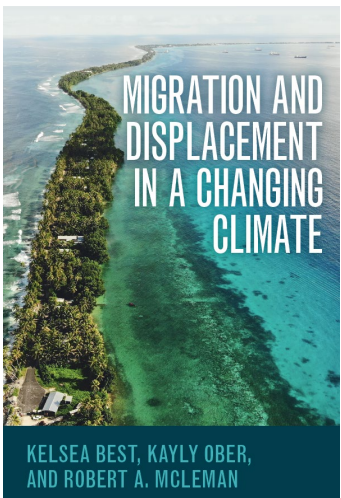
Source: Best, K., Ober, K. & McLeman, R. 2025. *Migration & Displacement in a Changing Climate*. Cambridge University Press.

Figure 7.1: Components of an individual's identity



Source: Best, K., Ober, K. & McLeman, R. 2025. *Migration & Displacement in a Changing Climate*. Cambridge University Press.

Figure 7.2: Mural in “Little Haiti” neighborhood, Miami, Florida



Source: Best, K., Ober, K. & McLeman, R. 2025. *Migration & Displacement in a Changing Climate*. Cambridge University Press.