

Index

- adaptability, 6, 53–4, 56, 60–1, 63
 adaptation to climate change, 15, 33–5, 37, 50, 55, 59, 61, 75, 102, 109, 114–15, 117–18, 120, 122, 127, 129, 131–3, 136
 Adaptation Fund (AF), 15, 104, 115, 119
 adaptive capacity, 3, 5, 7–8, 13–15, 17, 19, 26, 30, 32–3, 35, 37–8, 50–5, 57–63, 69–73, 76–80, 83, 92, 109, 115, 119, 127, 147, 167, 183, 188–9, 192, 194–5
 assessment, 37, 51, 69–70, 80
 attributes of, 14, 70–2, 80
 characterising, 58
 conceptualising, 7, 52, 54
 measuring, 59, 61
 methodological challenges, 51
 operational definition of, 52, 54, 56
 polysemy, 56
 adaptive co-management, 60, 105
 adaptive governance, 2, 4–5, 8, 10, 13, 15–16, 18–19, 34–5, 38, 54, 60, 104, 106, 166–8, 177, 181–2, 189–93, 195–6
 adaptive management, 5, 9, 16, 19, 32, 34, 37–8, 40, 54, 106, 166, 168, 170–2, 175–7, 191
 Africa, 122, 148, 150–1, 154, 159
 agency, 2, 57, 60, 119, 121–2, 171–5, 178, 181–2
 analytical capacity, 169, 173, 175, 178–80
 Antarctica, 95
 architecture, 2, 57, 181
 Arctic, 34, 85, 122
 Asia Pacific region, 90
 biodiversity, 1, 13–14, 19, 38, 40, 83–4, 86, 89–91, 94, 96, 109–10, 112, 115, 121, 153, 173, 191, 198
 Central African Republic, 13, 15, 148, 150–1, 154, 193
 Clean Development Mechanism, 15, 104, 109, 115–19, 121
 climate change
 adaptation, *see* adaptation to climate change
 mitigation, 37, 88, 96, 109, 148–9, 159–60
 and plastic, 83, 85
 coastal
 areas, 33, 91
 ecosystems, 40
 resources, 14, 70–1, 74
 Collaborative Forest Landscape Restoration Program, 176
 collaborative governance, 13–14, 18, 30, 54, 71, 74–7, 79, 175, 189, *See*
 79, 175, 189, *See*
 co-management, *See* collaborative governance
 Congo Basin, 148, 150, 152–3
 COVID-19, 2
 Democratic Republic of Congo, 148
 Earth System Governance Framework, 41, 62, 167, 194
 Earth System Governance Science Plan, 5, 13, 16–18, 26–8, 30, 33, 36, 38, 41, 142, 189, 193, 195–6
 eco-justice, *See* environmental justice
 ecological monitoring, 173
 ecosystem management, 171
 Endangered Species Act of 1973, 171
 environmental justice, 84, 90–1, 94, 96, 114
 fire suppression, 171, 175
 forest
 management, 13, 15, 32, 102, 157, 167, 171, 176–7, 179–80
 planning, 173–4
 restoration, 167, 172, 175–6, 179–80
 human health, 14, 57, 83–6, 90–2, 94, 96, 198
 institutional analysis, 71, 78
 interdisciplinary dialogue, 62
 Joint Chiefs Landscape Restoration Partnership, 176, 178–9

- landscape approaches, 172
 law
 soft vs. hard, 88–9, 91
 legal tools, 16, 167–8, 179
- marine
 conservation, 70–1
 debris, 83–4, 87, 89, 91, 93–6
 ecosystems, 15, 71, 83–4, 86, 94, 191
 governance, 75, 79
- National Biodiversity Strategies and Action Plans, 93
 National Environmental Policy Act of 1969, 171
 National Forest Management Act of 1976, 171
 Natural Resource Conservation Service, 176
 networked governance, 167, 172
 New Urban Agenda, 1
 normative dimensions, 10, 52, 55, 58, 63
- operational
 capacity, 169–70, 177–80
 design process, 58, 62
 framework, 13–14, 52, 56, 58, 63
- Pacific Northwest, 171, 175
 Paris Agreement on Climate Change, 1, 15, 96, 114–15, 118, 122, 194
- plastic
 macroplastics, 84
 microplastics, 85–8
 nanoplastic, 84, 86
 pollution, 14, 84, 87–8, 90–6
 single-use products, 95–6
- plastisphere, 85, 90
 policy
 capacity, 13, 168–70, 173–4, 178–83, 192
 design, 112, 167–9, 172, 180, 182
 experiments, 172
 tools, 15, 129, 131, 133, 139, 167–70, 172, 177–82
 political capacity, 175, 177–80
 pollution, 75, 86, 88–90, 94–5, 102, 119–20, 198
 polycentric governance, 34, 37, 113, 117, 166, 168, 181
- REDD+, 15, 104, 113
 resilience, 3, 5–8, 10, 17, 20, 26, 30, 32, 34–5, 50, 52–6, 60, 62, 86, 91, 105, 110, 131, 136, 172–3, 188–9, 191–2, 194
 resiliency, 110, 119
- scalar mismatches, 167
 Small Island Developing States, 91, 122
 social-ecological framework, 54, 60
 social-ecological systems, 10, 15, 53, 102, 175, 177, 192
 social networks, 8, 57, 105, 130, 166, 168
 Sustainable Development Goals, 1, 15, 191, 194, 198
- transformation, 2, 11, 34, 36, 55, 63, 127, 141, 189, 197
 transformational change, 37, 183
- United Nations
 Convention on the Law of the Sea, 83, 89–90, 96
 Framework Convention on Climate Change, 15, 50, 149
 United States Forest Service, 171, 175, 179
- Vietnam, 14, 71, 74, 110, 181
 vulnerability, 3, 5, 7–8, 11, 17, 20, 26, 30, 32, 38, 52, 56, 59, 62, 70, 85, 91, 110, 116–17, 119, 147, 160, 176, 188–9, 191, 194, 196