

Index

- accountability 118
 - SDGs, of 94–6, 161, 278
 - disaggregation of data 110
 - indicator-based approach 159–62
 - indicator-based approach 159–62
 - vulnerability, focus on 110–111
- Acharya, U. 74–5
- adaptive law theories 264–6, 270
- Adelman, S. 43
- adjudicative and regulatory strategies
 - see* certainty
- Agenda 21 22, 184, 187
- Alston, P. 246–7, 291–2
- Amin, S. 34
- Anthropocene
 - definition 15–16, 50–52
 - Earth system governance impacts 54–7
 - humanity's impacts on earth 59–60
 - limitations of concept 29–30
 - planetary boundaries theory, and 52–3
 - recognition of 51–2
 - SDGs, influences on 58–60
 - socio-ecological crisis of 58–9
 - usefulness of concept 53, 57–8
- anthropocentrism
 - challenges of 29–30, 33
 - consequentialism, and 30–32
 - definitions 28–9, 31–3
 - ecocentrism, and 31
 - law, of 28–9, 48, 244–5
 - SDGs, of 48–9, 58–60
 - speciesism, and 29
 - sustainable development, influences on 23–4
- Arcari, M. 183–4
- areas beyond national jurisdiction *see also* ocean global commons
 - common heritage of mankind
 - principle 139
 - definition 117, 121
 - general protection obligations 117–18, 129, 139, 146
- assessment mechanisms
 - criticism of 110–111
 - leave no one behind 109–15
- Baskin, J. 51
- Berlin Rules on Water Resources Law (ILA, 2004) 184–5
- Biermann, F. 55, 243
- biocentrism 20–21, 31, 244
- biodiversity
 - ecosystem protection 185–7, 190, 237–9
 - international law obligations 185–7, 236–41
 - marine biodiversity 128, 236–41
 - SDG targets 237–41
- Bissio, R. 77–8
- Bosselmann, K. 28, 260
- Bradshaw, S. 76
- Brenner, N. 207
- Brundtland Commission/ Report 1987 22–4, 30, 47, 203, 223
- buen vivir* 19–21
- Burdon, P.D. 28
- C40 Cities Network 202, 211
- capacity building, international cooperation 277
- capitalism 19–20, 32–3
- Capitalocene 31
- Castellino, J. 76
- certainty
 - adjudicative and regulatory strategies 264–70

- adaptive law theories 264–6, 270
 - burden of proof, reversal 266
 - precautionary principle 264, 266–7
 - rule of law, and 252–3, 256–64
 - uncertainty
 - causes 263–4
 - scientific 262–4, 266–7
- Chasek, P.S. 42
- cities and global governance *see* urban governance
- civil and economic rights 150, 232, 296–7, 299
- civil and political rights 88–9
- civil society
 - definition 121
 - international cooperation, and 285–7, 293–4, 302–3
 - SDG implementation role 125
- Clarion-Clipperton Zone (CCZ) 129, 140–41
- climate change
 - ocean global commons, impacts on 127–8
 - policy criticisms 26
 - SDGs, international law links with 230–32
- Clinton, H.R. 171
- Colorado v. New Mexico*, (US, 1982) 193
- Commission for the Conservation of Southern Bluefin Tuna (CCSBT) 137
- Commission on the Status of Women 158
- common but differentiated responsibilities 104–5, 246–7
- common heritage of mankind 139
- Conference on the Human Environment (UN, 1972, Stockholm) 46, 223
- consequentialism 30–32
- Convention on Access to Information, Public Participation in Decision-Making and Access to Justice in Environmental Matters (UN, 1998, Aarhus) 119
- Convention on Biological Diversity (UN, 1992) 237–8
- Convention on Persistent Organic Pollutants (UN, 2001, Stockholm) 233
- Convention on Prior Informed Consent Procedure for Hazardous Chemicals and Pesticides in International Trade (UN, 1999, Rotterdam) 233
- Convention on the Control of Transboundary Movements of Hazardous Wastes and their Disposal (UN, 1989, Basel) 233
- Convention on the Elimination of All Forms of Discrimination Against Women (UN, 1979) 151
- Convention on the Law of the Non-Navigational Uses of International Watercourses (UN, 1997) 182–3, 186–9, 192, 227
- Convention on the Law of the Sea (UNCLOS, 1982) *see* law of the sea
- Convention on the Law of Treaties (UN, 1969) 227
- Convention on the Political Rights of Women (UN, 1952) 150
- Convention on the Protection and Use of Transboundary Watercourses and International Lakes (UNECE, 1992, Helsinki) 190, 192–3, 198–9
- Convention on the Rights of the Child (UN, 1990) 71
- Convention on Wetlands of International Importance especially as Waterfowl Habitat (UN, 1971, Ramsar) 188
- cosmopolitanism 102–4
- Crutzen, P. 50
- customary international law 83, 227
- data quality 159–61
- debt financing, relief and restructuring 36–7, 276

- Declaration on Environment and Development (UN, 1992) 22, 47, 73, 79–80, 119, 146, 175, 230, 246–7
- Declaration on Sustainable Development (UN, 2002) 47
- Declaration on the Right to Development (UN, 1986) 291
- deep seabed mining 117
 - development 129–31
 - sustainable methods 123
- development, generally
 - alternatives to 19–21, 229
 - concept development 17–20
 - criticism 17–18
 - poverty reduction, and 72–3
 - promotion 17
 - right to development 47, 72–4, 275
- developmentalism 17–18
- disaster risk reduction 218–19
- Draft Articles on Transboundary Aquifers (ILC, 2008) 190
- Earth system governance
 - Anthropocene, impacts of 54–5
 - concept development 55–6
 - global regulatory space, and 56–7
 - SDGs, and 62–4
 - theory, purpose of 54–6, 62
- Earth system integrity
 - importance 48–9
 - planetary boundaries, and 58
 - SDG impacts on 59
- Earth time concept 60
- ecocentrism 31
- ecological modernisation 25–7
- ecological sustainability
 - development trends 17
 - sustainable development, and anthropocentrism, and 58
 - compatibility with 16
 - differences from 15–16
- economic growth
 - decoupling from environmental degradation 36
 - poverty reduction, and 33, 36–7
 - sustainability of 15–16, 39–40, 59
- economic, social and environmental rights
 - gender equality 150
- International Covenant on Economic, Social and Cultural Rights 72, 150
- ecosystem protection
 - international law obligations 185–7, 190, 237–9
 - pollution control 185–7, 233, 235
 - SDG targets 238–9
 - watercourses management 187–92
- education 2
 - gender equality in 85, 155
 - SDGs, scope of 67, 71
- El Zein, A. 113
- energy, affordable and clean 61, 77, 89, 173, 255, 260
- enforcement, of SDGs
 - institutions 96
 - leave no one behind 109–16
 - mechanisms 34–5, 45, 94–5, 94–6
 - national differentiation, and 100–102
 - policy coherence and governance 106–7
 - responsibilities for 229–30
 - review mechanisms 125, 229–30
- environment
 - ecosystem protection
 - international law obligations 185–7, 237–9
 - pollution control 185–7, 233, 235
 - SDG targets 237–9
 - watercourses management 187–92
 - global environmental governance
 - accountability 118
 - common but differentiated responsibilities 104–5, 246–7
 - focus, need for 223
 - internalization of responsibility 246–8, 291–2
 - public access to information 118–19
 - targets and indicators role in 224

- SDGs, and
 - access to justice, and 79–80
 - existing rights, environmental deprivation 80–81
 - general goals 222–3
 - international law, lack of 81
 - limitations 81–2, 222–3, 240–41, 248–9
 - public participation in
 - decision-making 79–80
 - right to healthy environment 81–3
- environmental regulation
 - adaptability vs. legal certainty 268–9
 - scientific uncertainty, and 264–9
- environmental rights
 - access to justice, and 79–80
 - anthropocentrism of 244–5
 - existing rights, environmental deprivation 80–81
 - healthy environment, right to 81–3
 - international law, lack of 81, 83
 - public participation in
 - decision-making 79–80
 - rights for nature approach 244–5
 - SDGs, limitations of 81–2
- environmental sustainability
 - human rights, and 78–83
 - environmental deprivation of rights 80–81
 - procedural rights 79–80
 - right to healthy environment 81–3
- MDGs, and 2, 42, 245
- equality and non-discrimination
 - education, and 85, 155
 - gender equality
 - cross-policy conflicts and challenges 153–5, 157–8
 - education, in 155
 - human rights conflicts 162–72
 - indicator-based approach 157, 159–63
 - MDGs, and 153–6, 163–4
 - progress 155–6
 - rights-based approach 151–2, 162–72
 - SDGs, and 2, 37, 85, 152, 157–72
 - UN policy promotion of 150–52, 165
 - leave no one behind 112–16
 - role of law in 4
 - SDGs, and
 - conflicts 157–62.152
 - failure to address 69, 171
 - human rights law, and 83–4, 162–72
 - indicator-based approach 157, 159–62
 - indigenous rights 87–8
 - limitations and omissions 158
 - policy limitations and criticisms 164–72
 - women and gender 2, 37, 84–6, 152, 157–62
 - water and sanitation, access to 179
- equitable sharing of resources 139, 182–4
- Escobar, A. 17, 24–5
- Espey, J. 160
- Esteva, G. 18
- Eurocentrism 19–20
- Ferguson, Y.H. 212
- finance, international cooperation 276, 281
- fishing
 - Fish Stocks Agreement (UN, 1995) 133, 135
 - overfishing 127–8, 131
 - regulation 117, 134
 - Regional Fisheries Management Organizations (RFMOs),
 - criticism of 134–5, 137
 - fees 136–8
 - public participation in
 - decision-making 134–8
 - role of 133–5
 - Resolution on Sustainable Fisheries (UNGA 2006) 138
 - subsidies 132
 - sustainable methods 123, 138
 - transparency, need for 138
- Fletcher, R. 36

- Framework Convention on Tobacco Control (UN, 2003) 230
 freedom of association and assembly 88–9
 freedom of expression 88–9
 freedom of the high seas 127
 French, D. 225–6
 Fuller, L. 258
 The Future We Want (UN, 2014) 33, 47, 166
- Galizzi, P. 223
 gender equality
 cross-policy conflicts and challenges 153–5, 157–8
 education, in 155
 human rights conflicts 162–72
 indicator-based approach 157, 159–63
 MDGs, and 153–6, 163–4
 policy development challenges 149–52
 progress 155–6
 rights-based approach 151–2, 162–72
 SDGs, and 2, 37, 85, 152, 157–72
 UN policy promotion of 150–52, 165
 gender identity 85–6
 General Ocean Commission 118
 Gillespie, A. 58
 global burden-sharing 104–5
 global commons *see* areas beyond national jurisdiction; ocean global commons
 global development cooperation *see also* global partnerships; international cooperation
 beneficiary states *vs.* developing countries 283–4
 civil society role 285–7, 293–4, 302–3
 importance 271–2, 274–5
 limitations 281–2, 290–91
 mechanisms 280–81
 policy coordination 283–4
 principles 104–5
 reasons for 280
 strategies 274
 systemic implementation challenges 283–7
 trends 275–6
 global environmental governance
 accountability 118
 public access to information 118–19
 Global Goals *see* Sustainable Development Goals
 global partnerships
 challenges
 sovereign discretion 283–4, 302–3
 systemic implementation 283–7
 civil society role 285–7, 293–4, 302–3
 community-focused partnerships 293–301
 domestic implementation, and 284–5
 effectiveness 62–3
 international solidarity, and 280–82, 287–9, 292, 302
 interpretation 289
 multi-stakeholder partnerships 278
 principles 104–5, 229–30
 SDGs, and
 capacity building 277
 duty to cooperate 289–93
 finance 276
 importance 301–2
 limitations 278–83, 288–9
 overlaps and conflicts 278–83, 288–9
 policy and institutional coherence 278
 principles 276–9
 targets 281–2
 technology transfer 276–7, 291
 trade 277
 global technology facilitation mechanisms 276–7, 282, 291
 globalization
 international trade, and 36–7
 social costs 206–7
 glocalization 212

- good urban governance *see* urban governance
- Gordon, R. 23
- Griggs, D. 48–9
- Gudynas, E. 19
- Habitat III Declaration (UN, 2016) 201, 214
- Hajer, M. 27
- Hamilton, C. 19, 32–3
- Haraway, D. 31
- Hart, H.L.A. 261, 267–8
- Harvey, D. 27
- Hayek, A. 250, 257
- hazardous substances, control of movement 233
- health and wellbeing 2, 297
- healthy environment, right to 81–3
- Healy, H. 26
- Hettne, B. 17–18
- Hickel, J. 37–8
- High Level Political Forum (HLPF) 96
- high seas *see* ocean global commons
- Hohmann, J. 205–6
- homo economicus* 20–21
- human exceptionalism 31
- human rights
- civil and political rights 88–9
 - environmental rights
 - deprivation of 80–81
 - environmental goals, and 78–83
 - healthy environment, right to 81–3
 - information access 79
 - public participation in decision-making 79–80
 - SDGs, and 78–83, 245–8
 - freedom of association and assembly 88–9
 - freedom of expression 88–9
 - implementation successes and failures 74–6
 - international law development 72–3
 - law, role in 5
 - leave no one behind 112–15
 - poverty reduction, and 72–8
 - progressive realization 73–4, 76–7
 - right to development 47, 72–3, 72–4
 - right to healthy environment 81–3
 - right to water and sanitation 176–7, 180–81, 183, 232–3, 296–301
- SDGs, and
- coherence with 70, 79–80, 83–4, 166
 - conflicts with 5, 68–9, 73–4, 164–72
 - environmental rights, and 78–83, 245–8
 - equality and discrimination 83–8, 162–72
 - indigenous rights 87–8
 - limitations and omissions 219
 - poverty, and 72–8
 - role and benefits of 70–71, 73–4, 76–7, 89–90
 - women and gender 84–6, 158
- women, of 84–6
- legal challenges 150–51
 - limitations 158
- humanity
- power and impacts of 59–60
- hunger, eradication of 2, 63, 77, 108, 173
- Imran, S. 23–4
- inclusivity 120
- SDGs, promotion role 125–6, 204
 - urbanization, and 204, 213–14, 216–19
- India 205–6
- indicators-based approach
- data quality 160–61
 - gender equality, and 157, 159–61
 - global environmental governance, and 224
- indigenous rights
- environmental deprivation of existing rights 80
 - equality and discrimination 87–8
 - SDGs failure to address 69, 87–8
- indivisibility, of SDGs
- assessment of 107–8

- policy coherence and governance 106–7
- inequality, reduction of 37
- information, access to 118–19, 126–7, 132
 - Lyon Declaration on Access to Information (2010) 161
 - regional agreements 119
 - water, and 180
- institutional reform 126–7
- interdependence, of SDGs *see* indivisibility
- International Bill of Rights 5
- International Commission for the Conservation of Atlantic Tuna (ICCAT) 137–8
- international cooperation *see also* global partnerships
 - beneficiary states 283–4
 - capacity building 277
 - challenges 271–4
 - sovereign discretion 283–4, 302–3
 - systemic 283–7
 - community-focused partnerships 293–301
 - concept development 273–4
 - definition 271, 279–80
 - domestic implementation, and 284–5
 - duty to cooperate 194–9, 274, 289–93
 - finance and investment 36–7, 276, 281
 - global development, in
 - civil society role 285–7, 293–4, 302–3
 - importance 271–2, 274–5
 - interpretation 279–80
 - limitations 281–2, 290–91
 - mechanisms for 280–81
 - principles 104–5
 - reasons for 280
 - strategies 274
 - trends 275–6
 - institutionalized cooperation 280–81
 - international solidarity, and 280–82, 287–9, 292, 302
 - policy coordination 283–4
 - SDGs, and
 - civil society influences 285–7
 - duty to cooperate 289–93
 - implementation challenges 283–7
 - importance 301–2
 - legal status 299–300
 - limitations 281–2
 - overlaps and conflicts 279–83, 288–9
 - targets 281–2
 - utility 302
 - trade 277
 - UN Charter (1945) 273, 289
 - water resources, access and management 194–9
- International Covenant on Economic, Social and Cultural Rights 1996 72, 291
 - access to water, right of 232, 296–7, 299
 - gender equality provisions 150
- international environmental law
 - ecosystem protection obligations 185–7
 - environmental rights, limitations 81, 83
 - global environmental governance, and 118–19
 - SDGs, and
 - criticism of 225–6, 242–8
 - international law obligations of 121–4
 - legal status 225–30
 - limitations 240–41, 248–9
 - links between 230–41
 - targets 237–9
 - soft law role in 225–6
 - water pollution prevention
 - obligations 186–7, 233, 235
- International Seabed Authority
 - establishment and functions 140–41
 - Exploration Regulations 140–41
 - Legal and Technical Commission (LTC) 141–2

- public participation in
 - decision-making 124, 142–5
 - SDGs influences on 142–4
 - seabed mineral governance role 139–42
- international solidarity 280–82, 287–9, 292, 302
- international trade
 - cooperation 277
 - sustainable development, and 36–7
- international water law
 - duty to cooperate 196–7
 - ecosystem protection obligations 185–7, 190
 - recognition of 176–7, 180–81, 183, 197
 - resources-sharing 182–4, 200
 - SDGs, and
 - access to water 232–3
 - relationship between 232–6
 - soft law 227
- internet access 288–9
- investment promotion, cooperation in 276, 281

- jurisdiction *see* areas beyond national jurisdiction
- justice
 - access to
 - environmental matters, in 2, 80, 119, 125–6
 - public participation, and 121
 - common but differentiated responsibilities 104–5, 246–7
 - global burden sharing 104–5
 - intra-species justice 48
 - social justice 216–17

- Kant, I. 29
- Kapur, R. 162–3
- Kim, R. 45, 62–3, 226–7

- law for nature 28
- law, generally *see also* rule of law
 - anthropocentrism of 28–9, 48
 - challenges of 4–5
 - intention to regulate 225–6
 - private property, and 28
 - SDG implementation, role in 3–5, 229–30
 - soft law vs. hard law 225–6
 - wild law 28
- law of the sea
 - common heritage of mankind 139
 - freedom of the high seas 127
 - monitoring obligations 141–2
 - protection obligations 141, 236
 - purpose 127, 132
 - SDGs, relationship with 123, 145, 236
- Le Blanc, D. 241
- leave no one behind 67, 80–81, 91, 103, 109–15
- local government 202, 210–211
- Lode, B. 227–9
- Lyon Declaration on Access to Information and Development (IFLA, 2010) 161

- Malawi 294–301
- Mansbach, R.W. 212
- marine areas beyond national jurisdiction *see* ocean global commons
- marine biodiversity 128, 236–41
- marine mineral resources
 - deep seabed mining 117, 123, 129–31
 - Exploration Regulations 140–41
 - International Seabed Authority
 - governance role 139–42
 - public participation in
 - decision-making 142–5
- MDGs *see* Millennium Development Goals
- Millennium Development Goals
 - background 41
 - criticism 124
 - data quality concerns 159–60
 - education 155
 - functions 1–2, 34, 41–2
 - gender equality 153–6, 163–4

- Indicators 156, 159–60
- progress 155–6
- global partnerships 288
- human rights, and 68
- SDGs, and
 - compared with 1, 33, 42–3, 68, 97, 124, 245–8
 - whether replacement for 94
- success of 40, 42, 59
- water, protection of 59
- Model Rules on Transboundary Groundwater (UNECE, 2014) 190
- Mother Earth 243–5
- neoliberalism 11, 19, 27, 30, 33–4, 38, 62
- New International Economic Order (NIEO) 274, 290–92
- New Urban Agenda 201, 214–15
- no one left behind *see* leave no one behind
- nodule mining 130–31
- normative commitments
 - cosmopolitanism 102–4
 - duty to cooperate 289–93
 - generally 92–3
 - importance of 94–5
 - indivisibility and interdependence 91, 105–8, 115–16
 - leave no one behind 67, 80–81, 91, 103, 109–16
 - national differentiation, and 100–102
 - SDGs, of 228–30
 - soft law *vs.* hard law 225–6
 - universality 91, 97–105, 115
- normative values, of SDGs 226–9, 248–9
- ocean acidification 128, 131
- ocean global commons
 - challenges to 127–8
 - climate change impacts 127–8
 - compliance mechanisms 118
 - definition 121, 127
 - ecosystem benefits 127
- ozone depletion, targets 61
- Paris Agreement (2015) 210
- partnerships *see also* global partnerships
 - multi-stakeholder partnerships 278
 - policy and institutional coherence 278
 - right to water 296–301
- SDGs, and
 - importance 301–2
 - integrity 300–301
 - legal status 299–300
 - principles 276–9
 - utility 302
- fishings
 - Fish Stocks Agreement (UN, 1995) 133, 135
 - overfishing 127–8, 131
 - Regional Fisheries Management Organizations governance role 133–8
 - sustainable methods 123, 138
- marine biodiversity 128
 - international law 236–41
- marine mineral resources 129–31
 - deep seabed mining 117, 123, 129–31
 - governance 139–42
 - policy-making, public participation 142–5
- protection obligations 117–18
- public participation, in decision-making
 - International Seabed Authority 139–45
 - Regional Fisheries Management Organizations 133–8
- SDGs, and
 - influences of 120, 123–4, 126–7
 - international law, relationship with 236
 - targets 131–2
- Open Working Group on Sustainable Development 124–5
- Our Common Future (UN, 1987) 22–3

- Persson, A. 226
- planetary boundaries theory
 concept 52–3, 243–4
 crossed boundaries 53
 Earth system integrity, and 58
 safe vs. unsafe spaces 53
 SDGs, limitations 61–2
- planetary urbanization 207
- Pogge, T. 73–4, 114
- pollution
 due diligence 186
 international prevention obligations 186–7, 233, 235
- poverty
 global trends 37, 75–6
 interpretation 23, 110–111
 opposite of 72
 right to development, and 72–3
 wealth distribution, and 37–8
- poverty reduction
 challenges 37–8, 48, 242–3
 economic growth, and 33, 36–7
 human rights, and 72–8
 progressive realization vs. targeted timelines 73–4, 76–7
 SDGs, and 2, 37, 59
 benefits and limitations 73–4, 76–7
 targets 77–8
 success and limitations 75–6
- power-knowledge nexus 17–18
- precautionary principle 264, 266–7
- property rights
 anthropocentrism 28
 sustainable interpretations 268
- public participation
 benefits 118–19
 definition 121
 environmental decision-making
 fishing regulation 123–4, 135–8
 mineral resources 139–45
 right to 79–80, 132, 145–6
 promotion 125–6
- Pulp Mills (Argentina v. Uruguay)*
 (ICJ, 2006) 199
- Ramírez-Cendrero, J.M. 19–21
- Rammel, C. 36
- Raworth, K. 19
- Raz, J. 255, 257–8
- Redclift, M. 25
- Regional Fisheries Management Organizations
 challenges of 134–5
 public participation, and 123–4, 135–8
 role 133–5
 SDGs impacts 135–8
- reproductive rights 85–6
- resilience
 sustainable urbanization, and 218–19
- right to healthy environment 81–3
- right to development 47, 72–4, 275
- right to dignified life 297
- right to water
 international duty to cooperate 196–7
 international law recognition of 176–7, 180–81, 183, 197, 232–3
 international partnerships 296–301
 non-discrimination, and 197–8
- rights for nature approach 244–5
- Rockström, J. 52–3, 243
- Rodney, W. 17
- rule of law 2
 certainty, and
 adaptive law theories 264–6, 270
 adjudicative and regulatory strategies 264–70
 burden of proof, reversal 266
 conflicts 268–9
 need for 252–3, 256–64
 precautionary principle 264, 266–7
 scientific uncertainty 262–4, 266–7
 definition 250–51, 257
 importance 251–3, 255–6, 262–4
 knowledge of rules 257
 limitations 252
 minimum conditions 252–4
 negative obligations 253–4, 257

- promotion 80, 219
 SDGs, and
 benefits for 262–4
 influences on 251–3, 255–6,
 260–62
 regulatory conflicts 264–5, 268–9
 resilience 265
 social ecological uncertainty
 264–5, 268–9
 theories
 formal perspective 253–4,
 256–61, 269
 general principles 257–9
 generality requirement 257–8
 limitations 261–2, 269
 links and differences 253–6,
 261–2
 openness and clarity requirement
 258
 procedural perspective 254–6,
 259–62, 269
 prospectivity requirement 257–8
 stability requirement 258
 substantive perspective 254–6,
 260–62, 269
 violations 259
- Sachs, J. 25
 Sachs, W. 18, 25
 safe spaces 53
 Salleh, A. 38
 Sassen, S. 212
 Schrijver, N. 229
 scientific uncertainty 262–4
 adaptive law theories, and 264–6
 burden of proof, reversal 266
 precautionary principle, and 264,
 266–7
 SDG *see* Sustainable Development
 Goals
 SDG 1 *see* poverty reduction
 SDG 2 *see* hunger, eradication of
 SDG 3 *see* health and wellbeing
 SDG 4 *see* education
 SDG 5 *see* gender equality
 SDG 6 *see* water and sanitation
 SDG 7 *see* energy, affordable and
 clean
 SDG 8 *see* economic growth; work
 SDG 9 *see* sustainable infrastructure
 SDG 10 *see* equality and
 non-discrimination
 SDG 11 *see* urban governance
 SDG 12 *see* sustainable consumption
 and production
 SDG 13 *see* climate change
 SDG 14 *see* fishing; marine mineral
 resources; ocean global
 commons
 SDG 15 *see* ecosystem protection
 SDG 16 *see* justice
 SDG 17 *see* global partnerships;
 partnerships
 self-interest 30
 Sen, A. 18–19
 Sendai Framework for Disaster Risk
 Reduction 2015–2030 218
 Sengupta, M. 73–4, 114
 sexual health, access to 85–6
 sexual orientation 85–6
 sharing
 common but differentiated
 responsibilities 104–5, 246–7
 common heritage of mankind
 principle 139
 equitable sharing of resources 139,
 182–4
 global burden-sharing 104–5
 technology transfer 276–7, 282, 291
 vital human needs, and 183–5
 water resources 182–4, 187–92
 Singer, J. 261
 social justice 216–17
 soft law
 environmental law, role and
 importance in 225–6
 intention to regulate, and 225–6
 Spijkers, O. 227–8, 248
 Steffen, W. 51
 Stoermer, E. 50
 Stone, C.D. 244–5
 structural transformations 243
 sustainable cities *see* urban
 governance

- sustainable consumption and
 - production targets 2, 35, 59, 63, 99
- sustainable development, generally
 - anthropocentrism of 23–4, 58–60
 - Brundtland Report 22–4, 30, 47, 223
 - concept criticisms 23–6, 93
 - concept development 21–4, 41–2, 45–7, 223
 - definition 21–3
 - ecological modernisation, and 25–7
 - economic focus 23–4
 - feasibility 16, 93, 242–3
 - inclusivity 120
 - internalization of responsibility 246–8, 291–2
 - international trade, and 36–7
 - structural transformations 243
 - World Charter for Nature 46–7
- Sustainable Development Goals
 - accountability 93–4, 96
 - adoption 33
 - anthropocentrism of 48–9, 58–60
 - appropriateness 43, 242–3
 - background 1, 33–4, 42–4, 46, 124–5, 222–3
 - challenges 2, 38–40, 43–4, 63–5
 - conflicts 63–4
 - criticisms of 33–6, 38–9, 48–9, 68–9, 110–115, 225–30
 - Earth system governance, and 62–4
 - Earth system integrity, and 48–9, 59
 - environmental goals
 - access to justice, and 79–80
 - existing rights, environmental deprivation 80–81
 - healthy environment, right to 81–3
 - international law, and 81, 230–41
 - limitations 81–2, 222–3, 240–41
 - public participation in decision-making 79–80
 - equality and discrimination 83–4
 - indigenous rights 87–8
 - limitations 85–6
 - women and gender 84–6
 - framework
 - aspirational vs. global goals 95
 - implementation procedures 96
 - indivisibility and interdependence 91, 105–8, 115–16
 - institutions 96
 - leave no one behind 67, 80–81, 91, 103, 109–16
 - national differentiation 100–102
 - normative commitments 93–116
 - underlying principles 91, 97–116
 - universality 91, 97–105, 115
 - functions 1–2, 35, 45–6, 67–8
 - human rights, and
 - coherence with 70, 79–80
 - conflicts 5, 68–9
 - environmental rights, and 78–83
 - role and benefits 70–71, 73–4, 76–7, 89–90
 - implementation and enforcement
 - institutions 96
 - leave no one behind 109–16
 - mechanisms 34–5, 45, 94–6
 - national differentiation, and 100–102
 - policy coherence and governance 106–7
 - responsibilities for 229–30
 - review mechanisms 125, 229–30
 - indigenous rights 69, 87–8
 - international law obligations 121–4
 - legal status 3, 44–5, 121–4, 225–30, 299–301
 - limitations 58–9, 61–5, 73, 81–2
 - MDGs, and
 - compared with 1, 33, 42–3, 68, 97, 124, 245–8
 - normative values 226–9, 248–9
 - planetary boundaries theory, and 61–2
 - political goals, as 226
 - polycentric goals 2
 - priority challenges 63–4
 - public consultation 124–5
 - role of law in 3–4
 - significance 45
 - soft law, as 225–7

- success, likelihood of 58–9, 63–5
 Targets 67–8, 85–6
 benefits of 76–7
 UN Charter, compared with 66, 228
 underlying principles 91
 applicability 98–9
 assessment of 107–8
 cosmopolitanism 102–4
 global burden sharing 104–5
 indivisibility and interdependence
 91, 105–8, 115–16
 leave no one behind 67, 80–81,
 91, 103, 109–16
 national differentiation 100–102
 policy coherence and governance
 106–7
 universality 91, 97–105, 115
 women and gender 84–6
 Sustainable Development Trajectory
 243
 sustainable infrastructure and industry
 2
 sustained unsustainability 35
 Swyngedouw, E. 26

 Tanzi, A. 183–4
 tax avoidance/ tax evasion 36
 technology
 environmental sustainability,
 promotion 277
 international cooperation 276–7,
 282, 291
 internet access 288–9
 Thurston, A. 161
 tobacco control goals and targets 230
 transboundary cooperation *see*
 international cooperation
 transboundary groundwater protection
 190
 transboundary harm, duty to prevent
 184, 186–7
 Transforming our world: the 2030
 Agenda for Sustainable
 Development (UN, 2015) *see*
 Sustainable Development Goals
 treaties, law of 227

 UN Charter 230, 246
 international cooperation 273, 289
 poverty reduction 72
 SDGs, compared with 66, 228
 UN Conference on Environment and
 Development (1992) 22
 uncertainty *see also* certainty
 causes 263–4
 scientific 262–4, 266–7
 United Nations Framework
 Convention on Climate Change
 (UNFCCC, 1992) 230
 SDGs, and 231–2
 United Nations Framework
 Convention on Tobacco Control
 (UN, 2003) 230
 Universal Declaration of Human
 Rights (1948) 72, 230, 246, 299
 universality, of SDGs
 applicability 98–9
 cosmopolitanism 102–4
 criticisms 103–4
 fair and equitable application 104
 generally 91, 97–8, 115
 global burden-sharing 104–5
 national differentiation 100–102
 urban governance 2
 C40 Cities Network 202, 211
 challenges 205–6, 216–17
 complexity 208
 environmental conflicts 205–6
 global governance, role in 204–5,
 207–12
 globalization conflicts 206–7
 glocalization 212
 Habitat III Declaration 201, 214
 informal settlements, removal of
 217
 irregular migrants, and 217–18
 local actors role 202, 210–211
 New Urban Agenda 201, 214–15
 political conflicts 217
 polycentricity 209
 privatization 217–18
 resilience and sustainability 218–19
 safety and security conflicts 216–18
 SDGs, and
 commitments 201–2, 213–15

- conflicts and contradictions 215–21
- context 214
- implementation challenges 213–14, 219–20
- inclusivity 204, 213–14, 216–19
- indicators 220
- limitations 219–21
- subsidiary targets 214–15, 221
- social costs 206–7
- social justice, and 216–17
- sustainability impacts 205–9
- trends 202–4, 208–9
- urbanization
 - globalization, and 206–7
 - inclusivity, and 204
 - planetary urbanization 207
 - study trends 202–3
 - sustainability impacts 203–9
- utilitarianism 30

- Vienna Declaration (Human Rights) and Programme of Action 1993 73
- violence, gender-based 163
- virtue ethics 29–30
- Voluntary National Reviews 99

- Waldron, J. 252–6, 259, 267
- Ward, J.D. 36
- Washington, H. 24, 40
- Washington Consensus 19, 284
- waste management
 - water resources, efficiency of use 192–3, 234
- water
 - ecosystem protection 185–92
 - aquifers 190
 - basin agreements 189–91
 - international law obligations 185–7, 190, 237–9
 - pollution control 186–7, 233, 235
 - global needs patterns 200
 - information, access to 180
 - international law
 - duty to cooperate 196–7
 - ecosystem protection obligations 185–7, 190, 237–9
 - resources management 182–4, 200
 - right to water, recognition 176–7, 180–81, 183, 197, 232–3
 - SDGs, relationship between 232–6
 - soft law 227
 - resources
 - beneficial use 192–3
 - efficient use and management 192–4, 234
 - integrated water resources management 194–5
 - international law obligations 182–4, 234–5
 - international law role 182–4, 200
 - scarcity 192–4, 234–5
 - sharing, international law on 182–4
 - transboundary cooperation 194–9
 - right to
 - international duty to cooperate 196–7
 - international law recognition of 176–7, 180–81, 183, 197, 232–3
 - international partnerships 296–301
 - non-discrimination, and 197–8
 - transboundary waters
 - duty to cooperate 194–9
 - General Comment No. 15 Right to Water 196–7, 297, 299
- water and sanitation
 - access to
 - accessibility, economic and physical 179–80
 - affordability 177–80, 182
 - Berlin Rules 184–5
 - civil society role 293–4
 - General Comment No. 15 Right to Water 196–7, 297, 299
 - global trends 59, 200, 294
 - human right, as 179–81, 232–3, 296
 - importance 173–4, 176

- improvement 59
- international law 235
- Malawi, in 294–301
- non-discrimination 179
- service costs recovery 182
- vital human needs, interpretation 183–5
- vulnerable groups, by 177–8
- water quality 179
- women, and 181–2
- SDGs, and
 - access and affordability 177–80
 - challenges of 178–9
 - human rights, compared 179, 232–3
 - importance 173, 176
 - interdependence 173–4
 - international law, and 174–9, 231–6
 - legal basis 175–6
 - legal significance 176–9
 - principles 179–80
 - public participation, and 175
 - purpose 174
 - targeting failures 69
- Water for People 294–301
- watercourses
 - basin agreements 189–91
 - ecosystem management 187–92
 - non-navigational uses 182–4, 234
 - pollution control 186–7, 233, 235
 - soft law 227
 - transboundary cooperation duties 194–9
- Weber, H. 38, 110–111
- wetlands, ecosystem management 188–9
- wild law 28
- Wolfrum, R. 279–80, 302
- women, rights of
 - economic and political rights 85
 - equality policies
 - challenges of 150–51
 - development 149–51
 - education 155
 - negative vs. positive rights 84–5
 - reproductive rights 85
 - SDGs, and
 - equality and discrimination 84–6, 157–8
 - female empowerment 158
 - generally 71
 - human rights 84–6, 158
 - limitations 85–6
 - sexual health, access to 85
 - water and sanitation, access to 181–2
- Women’s Major Group 166–8
- work, decency 2
- World Charter for Nature (UN, 1982) 46–7, 62
- World Summit on Sustainable Development (UN, 2002) 22, 223
- World Trade Organisation 36, 277

