## Index

Note:

Material in Figures or Tables is indicated with *italic* page locators; material in boxes with **bold** type and references to footnotes carry the suffix 'n'.

accountability shortcomings, 50, 54, 56-57, 95, 102 accredittion of observers, 89 adaptive learning, 50, 57 Adler, C. E., 81, 164-165, 168 'affective atmospheres', 31 afforestation, 153-154, 267 AGGG (Advisory Group on Greenhouse Gases), 15 - 16agonistic-antagonistic mode, 171, 176 Agrawala, Shardul, 11, 16, 18, 26, 87, 210 Amazon basin, 220 AMIP (Atmospheric Model Intercomparison Project), 132 Anderson, Benedict, 258 Anderson, Kevin, 56, 145, 202 AOGCMs (Atmosphere-Ocean coupled General Circulation Models), 128 AR1 to AR6. See assessment report(s) Arctic. See ICC Arrhenius, Svante, 14 artificial intelligence, 103, 135 Asayama, Shinichiro, 230, 249, 251, 271n biography and chapter contribution, xi, 148-155 assessment cycles full list of reports produced, 40-41 generating calls for reform, 268 assessment process more focused alternatives, 270 widening the knowledge base, 121 Assessment Reports, IPCC (generally) acceptance, adoption and approval, 21, 42, 99, 188-194 criticism of, 2, 23

evolving visuals, 235 full list of reports produced, 40-41 neglect of indigenous knowledge, 116 role of models in, 126 scoping meetings, 42, 54, 63, 169, 189 Assessment Report 1 (AR1, FAR, 1990), xxiii peer review, 184 Assessment Report 2 (AR2, SAR, 1996), xxiii as SAR, 40 Chapter-8 debate, 1995, 53, 101, 150 climate change as anthropogenic, 102 introduction of SYRs and SPMs, 199 procedural criticism, 24, 102 statistical value of human life, WGIII, 151, 152 Assessment Report 3 (AR3, TAR, 2001), xxiii as TAR, 40 'burning embers' diagram, 197, 200, 236, 238 guidance on uncertainty, 161, 171 'hockey-stick' graph, 151, 239 social science coverage, 110 Assessment Report 4 (AR4, 2007) guidance on uncertainty, 161, 168 Himalayan glaciers error, 24, 53, 102, 150, 220 modelling sea-level rise, 114, 151, 183, 184 Assessment Report 5 (AR5, 2013/14) Chapter Scientists and, 78 guidance note on communicating uncertainty, 247 IAM community and, 114, 146 mention of DAI, 45 overhaul of scenario framework, 140 speculative NETs criticism, 202 Synthesis Report case study, 195 WGIII contribution, 138, 194

Assessment Report 6 (AR6 2022/23) changing expectations acknowledged, 4 co-production of visuals, 241 emphasis on integration, 174-175 estimates of maximal sea-level rise, 109 guidance note on communicating risk, 247 scoping meeting, 174 WGI adoption interventions, 165 WGI reference scenarios, 141 attribution studies global temperature change, 102, 108, 126, 134 individual weather events, 108 audiences diversifying, 41, 155, 160, 163, 237, 242, 269 primary and secondary, 244 authors contributing to this book, xi-xvii, 7, 262-263 nations contributing IPCC authors, 64, 220 selection criteria, 21, 61, 63, 69, 265 as volunteers, 26, 172, 269 aviation, Special Report on (1999), 40 AXA Research Fund, 74 'the Bali Box' controversy, 231, 232 Barros, Vicente, 187 Barry, A., 170-171, 176 Barry, J., 203 Beardsley, M. C., 249 BECCS (Bioenergy with Carbon Capture and Storage) claims in SP15, 103, 113, 211, 214 IAMs and, 144, 146 pathways legitimising, 230 peer review and, 103 reliance since AR5, 111, 202, 267 Beck, Silke on BECCS, 203, 211, 230 biography and chapter contribution, xi, 49-58 key readings, 58, 205, 224, 232, 260 views of, 4, 248 Beck, U. et al., 50 behavioural change, neglect of, 55 bibliometry, 114 Biden Administration, 55 biodiversity loss / protection, 1, 13, 25, 257, 267, 270, See also IPBES biogeochemical processes, 127, 128, 171 biogeophysical processes, 132 Bjurström, A., 113, 164 black boxes approved SPMs as, 193 climate models viewed as, 56, 134, 144 IPCC workings, 263 scientific controversy and, 149 BMPC (Brazilian Panel on Climate Change), 221 Board of Trustees, Scholarship Trust Fund, 74 Bolin, Bert, 14-15, 82, 99, 185, 227, 244, 249, 256 book, 3, 87

books about the IPCC, 3 'boundary making', 199 'boundary objects', 225, 272 as a common language, 229 desirable futures, 230 examples, 137, 146, 225, 231 'boundary organisations', 21, 80-81, 86, 148, 201, 272 'boundary spaces', 32, 272 'boundary work', 3, 103, 154, 183, 201, 205, 272 and anti-boundary work, 170, 176 Boykoff, M. T., 248, 256 Brazil, 219-222, 257 Breakout Groups / rooms, xxiii, 32, 35, 174, 190 Brodbeck, Rino, 31 Broome, John, 110, 190, 193, 195 Brown, H., 27, 35, 38 Brown, M. B., 179 Brown, M. J., 205 Brysse, K., 204 buffer function, WGIII, 17 buildings. See venues Bureau, IPCC accreditation of observer organisations, 90 appointment of experts, 21 governments dependence on, 87 and Panel overlap, 83 'burning embers' diagram, 197, 200, 236, 238 Bush, GW Administration, 83 'business-as-usual' scenarios, 111, 145 calibrated language, 159-160 history of IPCC use, 162, 164 Canada, 7, 29, 122, 153, 174, See also ICC capacity building, 61-62, 64, 69, 71-72, 267 capitalist domination, 270 carbon cycle, 127, 128, 185, 220, See also biogeochemical processes carbon dioxide, atmospheric, 14 global distribution, 130 modelling effects of, 130, 227 Carbon Dioxide Capture and Storage (SR, 2005), 40, See also BECCS carbon dioxide removal (CDR) technologies, 57, 103 carbon sinks, 46, 151, 153, 155, 266 carbon trading, 228 Carraro, C., 212-213 Casado, M., 78 Castree, Noel, 57, 204, 211, 216 CBD (Convention on Biological Diversity), United Nations, xxiii, 119 CDR (carbon dioxide removal) technologies, 57, 103 Chair, IPCC. See Lee; Pachauri; Watson 'chaotic debates', avoiding, 245, 249 Chapter Scientist role, 72, 75-77, 77, 182 Chapter-8 debate, 1995, 53, 101, 150 Charney report, 130 chemical pollution, 4, 267 China, blocking organisations, 90, 257

civic epistemologies challenging transnational consensus, 93, 181, 201 chapter on, 217-220 defined, 217-218, 272 of India and Brazil, 219-222 of Russia, 223 CLAs (Coordinating Lead Authors) Chapter Scientists and, 75-77, 77 collaboration across WGs, 174 role, 63 Climate Action Network International, 91 Climate Action Tracker, 213 climate activism, 55, 267 Climate Analytics, 213 climate change controversies around anthropogenic nature, 24, 102.126 dangerous levels, 45 neglect of regional aspects, 194, 213, 216, 259, 267 now a political problem, 270 polycentric response to, 270 projections from models, 127 reality established, 256 Special Report on Regional Impacts, 40 viewed as an emergency, 254, 256, 258, 260 climate change adaptation expert knowledge, 111 separate WG from mitigation, 110 Special Report on Managing the Risks of Extreme Events and (2012), 41 climate change litigation, 195 climate change mitigation reflecting Global North interests, 221 research dependent on IPCC, 112-113 salience post-Paris, 201 separate WG from adaptation, 110 Special Report on Renewable Energy Sources and (2011), 41 climate contrarians, 92, 160, 264, 268, See also climate sceptics climate emergency, imaginary of, 254, 256, 258, 260 climate events, low-probability, high-risk, 164, 204, See also extreme weather climate forcers, Methodological Report, 41, 42 Climate Interactive, 213 'climate justice', 193 climate models, 126-135, See also MIPs atmosphere-ocean coupled models, 128, 133, 135 atmospheric circulation models, 127 boundary objects and, 227 centrality within IPCC, 130, 134 climate sensitivity and, 227 influence of IPCC, 112 machine-learning alternatives, 135 types of model, 128, 135, 139 used in each assessment cycle, 137 climate neutrality, 254, 258, 260 climate research. See climate science; research

Climate Risk and Sustainable Solutions, meeting on Integrating Science across the IPCC, 174 climate sceptics, 92, 95, 127, 131, 134, 150, 249, 251, 254. See also climate contrarians climate science after World War II, 14 conceived globally, 130 global fact base, 254 IPCC influence on research, 111, 135 neglect of Indigenous knowledge, 117 climate sensitivity as a boundary object, 226-229, 232 Equilibrium Climate Sensitivity (ECS), 226 IPCC consensus around, 186 IPCC definition, 227 models and, 131 uncertainties, 131 climate solutions space, signifcant omissions, 56 'Climategate' controversy, 2009, 24, 54, 102, 149-150, 224, 267 closure, of the review process, 102, 149, 155, 171, 193, 219 CMIP (Coupled Model Intercomparison Project), 127, 133, 135 'code red' assessments, 254, 270 Cointe, Béatrice, xi, 114, 137-146 Collins, Harry, 180 communalism in science, 98 communication appropriation, 248 criticisms of IPCC approach, 247, 250 IPCC strategy, 246 reciprocal approach, 248 through reports, 244-251 using visuals, 234-243 Communications Action Team, 246 complexity of the IPCC, 263, 269 computer simulations. See climate models Conference on the Human Environment (UN, 1972), 15 Conferences of the Parties (COP). See UNFCCC confidence scale, 159, 162 confidence statements and uncertainty, 161, 165 conflict resolution, 266 conflict uncertainty, 161 conflicts of interest, 2, 20, 24-25, 93, 114 Conflict of interest policy, 26 consensus arguments against, 184, 204, 247 arguments in favour, 183 building through meetings, 35, 37 consensus seeking by IPCC, 178, 182-183, 251 and epistemic authority, 181 scientific, 13, 178, 180-182 singular and plural views, 191 constitution IPCC, 22 Working Groups, 19

'constitutional moments', 50, 53, 57 contact groups, 32, 85, 193 controversiality of knowledge, 191 controversies accounting for forest sinks, 153 AR2 Chapter-8 debate, 1995, 53, 101, 150 'the Bali Box', 231, 232 'burning embers' diagram, 197, 200, 238 causes as political, 154, 266 'Climategate', 24, 54, 102, 149-150, 224, 267 defined, 149 ensuring the reflection of, 24 errors in AR4, 24, 53, 102, 267 and IPCC consensus, 183 knowledge / scientific controversies, 148, 202, 264 ontological controversies, 154, 231 political, absorbed by IPCC, 151 political, triggered by IPCC, 151 12 year deadline, 244, 248, 249 types affecting IPCC, 148-151 'convening power', of IPCC and UNEP, 29 co-productions between authors and users, 234 and boundary objects, 226 co-production of IPCC reports, 264 defined, 254, 272 of knowledge with IK systems, 120, 123 science-driven or policy-driven, 112 2°C target as, 230 of visuals, 241 COPs (Conferences of the Parties). See UNFCCC Corbera, E., 62, 64, 66, 70, 82, 85, 143 cosmopolitan climate expertise, 223-224 cosmopolitan knowledge, 218, 224, 251, 272 costs of travel, 37 COVID-19 pandemic, 28, 37, 38, 257 Craggs, R., 27, 32, 38 credibility of IPCC diversity and, 68 NGO involvement and, 93 procedures and, 20, 33 varying from country to country, 218 'cross-cutting aspects / issues / themes', 42, 53, 171 cultural relativism, 184 Cuomo Foundation, 74 DAI (Dangerous Anthropogenic Interference), xxiii, 199, 229-230 dangerous anthropogenic objects, 231 data representation. See visuals De Pryck, Kari, xi, 65, 81, 101, 165, 170, 246 chapters by, 1-8, 27, 148-155, 187-195, 262-271 in key readings, 176, 195 de Wit, S., 248 deadline, 12 year, 244, 248, 249, 251 decarbonisation, 203, 255 decision-making in Latin America, 222 decision-makers' needs, 55, 114, 132, 239

Declaration on the Rights of Indigenous Peoples (UN), 118 deforestation, 220-221 'deliberative mini-publics', 94 democracy, 94, 179, 205, 222, 259, 268 desertification, 4, 267 developed and developing nations alternative terminology, 6, 70n asymmetries and chairmanship, 83 climate change as an emergency, 256 climate model development, 128 equitable effort-sharing, 231 human life valuation in, 152 intergovernmental comprisons, 85 intergovernmental relations, 82 joint TSU chairs, 29 developing nations dissatisfaction with the AR1 report, 199 participation, 87 support for representatives, 76, 82 dialogue, in policy advice, 250-251 Structured Expert Dialogue, 45, 193 disciplines, academic feedback loops with IPCC, 107, 113, 266 interdisciplinary conversations / work, 169-170, 176 positivist and interpretative, 114 power asymmetries among, 265 relevance of this book, 5 support for consensus, 251 dissent / dissensus, 168, 179, 184-185, 193 diversity, 59, See also gender balance among thematic bridges, 176 of audiences for IPCC reports, 242 avoiding box ticking, 68, 70 importance and value, 66 through participation of NGOs, 88, 92 Dorough, Dalee Sambo, xii, 116-124 Doyle, J., 237 Dubash, Navroz K., xii, xviii-xx, 177 Dudman, K., 248 Dupuy, Jean-Paul, 159 Earth Negotiations Bulletin (ENB), 166 economic growth assumptions, 141, 203, 248 decoupling from energy demand, 214 and technological solutions, 56, 145 economics dominance among social sciences, 110, 203 dominance, with science, 113 post-carbon economy / future, 255, 259 valuation of future damage, 251 valuation of human life, 152 ECRs (Early Career Researchers), 6, 7, 71-78, 265, See also Chapter Scientist role; Scholarship Programme benefits of involving, 73, 76, 78 defined, 72

## Index

ECS (Equilibrium Climate Sensitivity), 226 Edenhofer, Ottmar, 55, 202, 205, 211 Edmonds, Jae, 143 Edwards, Paul N., 53, 92, 102, 127, 130-131, 135, 150, 182, 255 biography and chapter contribution, xii, 96-104 eLAMs (electronic Lead Author Meetings), 37, 38 electrical utilities, 214, 259 Elzinga, A., 182 email leak, University of East Anglia. See Climategate EMIC (Earth System Models of Intermediate Complexity), 128 'emission equivalents', 226 emission scenarios as 'boundary objects', 137 in each assessment cycle, 139 evaluation, 1995, 140 IPCC role as catalyst, 138, 140 RCPs (Representative Concentration Pathways), 139, 141, 144, 145 emissions inventories. See NDCs emulators, 128 energy transitions, 165, 214, 259 English language standard, 35, 103 environmental assessments, 12, 17, 44, See also GEAs EPA (Environmental Protection Agency), US, 139 epistemic authority / legitimacy, 62, 154, 178-179, 215, 245, 251 'epistemic chaos', 153 epistemic community model, 80, 87, 180, 273 epistemic consensus / disagreements, 150, 179, 181 epistemic geographies, 222 epistemic pluralism, 151, 180 'epistemic selectivity', 194 epistemic sovereignty, 219, 222-223 'epistemic things', 228, 230, 273 epistemic uncertainty, 160, 183 epistemological hierarchies, 108, 108, 110, 114, 265 equitable effort-sharing, 231 equitable engagement with IK systems, 119-123 errors in AR4, 24, 53, 102, 220, 267 factual, and knowledge controversies, 150 on the side of least drama, 204 ESMs (Earth System Models), 128, 128 'human systems' and, 135 ethical engagement with IK systems, 119-123 ethical uncertainty, 161 ethics and the valuation of human life, 152, 154 European Union adoption of 2 °C target, 229 Green New Deal, 55 supporting a climate-neutral future, 254 experience, prior, with IPCC, 63 Expert Meetings Assessing Climate Information for Regions, 2018, 175 on Communication, 2016, 241

expert review stage, 99, 121 expertise call for cosmopolitan knowledge, 218, 224, 251, 272 evaluation, 50, 63 non-peer reviewed, 113, 116 experts. See also authors; Lead Authors disciplinary backgrounds, 6, 107 expert elicitation, 186, 273 'fast-track procedures', 25 NGO nomination, 91, 93 in peer review, 97 private sector and civil society, 92 selection criteria, 14, 21, 63, 97 Extinction Rebellion, 249 extreme weather events attribution studies, 108, 134 images, 241 Special Report on Managing the Risks of (2012), 41, 177n Ezrahi, Yaron, 259 'facts', scientifc and diplomatic, 188 FAOs (frequently asked questions), 237 FAR. See Assessment Report 1 'fast-track procedures', 25 feedback loops academic disciplines with IPCC, 107, 113 research institutions with IPCC, 266 FGD (Final Government Distribution), xxiii, 101 Field, Chris B., 183, 187 Final Government Distribution (FGD), 101 financial support ECRs from developing nations, 75 IPCC from member governments, 80 IPCC influence on research funding, 111 Fløttum, K. et al., 172, 241 flux adjustments, 131, 135 focal points. See national focal points FODs (First Order Drafts), 42, 99, 103 Fogel, C., 42, 44, 81, 153, 194 forest sinks. See carbon sinks fossil fuel industry, 210, 254. See also oil fossil fuels, xiii, xx, 153, 189, 253, 254, 259, 265 framework conventions. See also UNFCCC on tobacco and emerging diseases, 257 framing of climate change approval process and, 194, 199 global framing, 70, 245, 254, 258 as a model, 257, 263 as model-based, 146, 265 'Northern' framing, 220, 222 for public and media, 243 as science and economics-based, 86, 131, 248 Franz, W. E., 92-93, 95, 194 Fridays for Future movement, 55 Friends World Committee for Consultation, 91 Fry, I., 153 functionalist approach to participation, 92

funding. See financial support futures research, 111, 138, 230 Garard, J., 89, 94-95 GARP (Global Atmospheric Research Programme), 15 gatekeeping function of peer review, 98 Gay-Antaki, Miriam, 64, 69-70 GCMs (General Circulation Models), 127, 128, 132, 135 GCMs (Global Climate Models), 14, 128, 138, 146, 147n GEAs (global environmental assessments) call for openly political GEAs, 204, 216 diversity in, 70 intergovernmental model, 80, 267 other than IPCC, 1, 13, 267 solutions-oriented assessments, 202, 211 stakeholder role, 88, 94 Geden, Oliver, 202, 251 gender balance, 21, 61, 63 Gender Task Force, IPCC, 69 generative events, 149, 154, 273 Geneva, 28, 31, 152, 172 GEO (Global Environment Outlook), 2 geoengineering technologies, 114, 174 geographical bias, 73, See also Global North and South Germany, 55, 85, 90, 166, 200, 222, 224 preference for consensus, 219 GHG (greenhouse gases) emissions by country-income groups, 194 evolution scenarios, 137 Global Warming Potentials and, 228 National Greenhouse Gas Inventories, 29, 40 social costs of emissions, 131 supporting reduction, 253, 258 Gieryn, T. F., 28, 32, 38, 154, 201, 272-273 Gilbert, M., 180 glacier melting, AR4 error, 24, 53, 150, 220, See also ice sheet melting Global Climate Coalition (GCC), 24, 92, 95 Global Environmental Outlook (UNEP), 95, 195 global framing of climate change, 70, 245 'global health risks', 257 'global kinds of knowledge', 3, 5, 131, 255 Global North and South developed and developing nations and, 6, 70n, 199 distribution of knowledge production, 265 Global North bias author selection, 7, 69, 73 hosting meetings, 29, 38 NGO dominance, 94 global social order, 215, 260 Global South. See also Brazil; India public participation in science, 218 underrepresentation, 62, 64, 218, 268 Global Stocktake, 174, 213, 268 Global Warming Policy Foundation, 251 global warming potential (GWP), 131, 228 globalisation of knowledge-making, 255-256

Goeminne, G., 182 governments. See member governments Green New Deal (EU), 55 greenhouse effect, 14, 256, See also GHG greenhouse gas indices, 110 greenhouse gases. See GHG Greenpeace, 92 'grey literature', 24, 98, 116 Griesemer, J. R., 226, 229, 272 The Guardian newspaper, 83, 249 guidance notes on communicating risk, 247 on communicating uncertainties, 163, 168, 171 Guidelines on National Greenhouse Gas Inventories, 40 Guillemot, Hélène, xii, 128-136, 230 Gustafsson, Karin M., xii, 71-78, 81 Guston, D. H., 81, 181, 184, 272 Guterrez, A., 254 Haas, Peter M., 12, 17, 43, 180, 194, 211, 273 handshakes, 175, See also integration Hansson, A., 103 Harold, Jordan, xiii, 234-243 Hartz, Friederike, xiii, 27 Havstad, J. C., 198, 205 Hermansen, E. A. T., 189, 212-213, 216, 232 Heymann, Matthias, 132 Himalayan glaciers, AR4 error, 24, 53, 150, 220 Hirsch Hadorn, G., 81, 164, 168 A History of the Science and Politics of Climate Change: The Role of the Intergovernmental Panel on Climate Change, by Bolin, 3, 87 'hockey-stick' graph, AR3, 151, 239 Ho-Lem, C, 64, 73, 82, 87, 255 Hoppe, I., 247, 251 Hoppe, R., 71, 81 Houghton, Sir John, 102, 178, 184, 188 Hughes, Hannah, xiii, 70, 79-87, 195 Hulme, Mike, xix, 3, 258 biography and chapter contribution, xiii, 1-8, 148-155, 178-186, 262-271 key readings, 26, 186, 251 human life, valuation, 151, 152 human rights law, 123 humanities, engagement with the IPCC, 3, 110, 113, 170, 176 hybrid events, 38 hybrid organisations, IPCC as, 50, 199 IAC (InterAcademy Council) review of IPCC procedures, 2010, 24, 26, 50, 54, 57, 102-103, 150, 161, 172, 250 IAM (Integrated Assessment Model(ling)), 127 debated influence, 55, 144, 161 and IPCC WGs, 113 producing scenarios, 137 prominence and shortcomings, 137, 144, 203 publications and the IPCC report cycle, 114, 143, 146

IAM (Integrated Assessment Model(ling)) (cont.) transparency, 56, 144 IAMC (Integrated Assessment Modelling Consortium), 140, 143-144 ICC (Inuit Circumpolar Council), xii, xxiv, 116, 118, 120-122 Inuit Tapiriit Kanatami, 120 synthesis report, 124 ice sheet / icecap melting, 109, 164, 183, 185, See also glacier metling ICSU (International Council for Science, previously International Council of Scientific Unions), 15 IGY (International Geophysical Year, 1957-58), 14 IIASA (International Institute for Applied Systems Analysis), 139, 144, 147n IIPFCC (International Indigenous Peoples Forum on Climate Change), xxiv, 119, 124 IISD (International Institute for Sustainable Development), xxiv IMAGE (Integrated Model for Assessing the Greenhouse Effect), xxiv, 139, 143 Imagined Communities, by Benedict Anderson, 258 Imagined Democracies, by Yaron Ezrahi, 259 INC (Intergovernmental Negotiating Committee), 11, 17.43.199 incommensurability, 171, 176, 263 'inconvenient truths', 270 India, 24, 64, 166, 219-222 Indigenous knowledge (IK), 116-124 equitable and ethical engagement, 119-123 expert review stage, 121 Indigenous knowledge holders, 92 key readings on, 124 limits to integration, 171, 176 neglect by assessment process, 116, 120, 151, 265, 268 possible definition, 118 Indigenous Peoples (IP) incommensurable forms of knowledge, 176 indigenous academics, 124 land stewardship, 117 self organisation and rights, 123 UNPFII (UN Permanent Forum on Indigenous Issues), xxv, 124 inequalities, and acceptance of IPCC reports, 135, 223 influence of the IPCC, 3, 84, 232 integration of risk management, 169-176 integration, interdisciplinary. See also thematic bridges emphasis in AR6, 169, 174, 176 previously lacking, 110 risk assessment framework, 175 integrative-synthesis mode, 170, 175 Interactive Atlas, 2021, 175, 237 interdisciplinarity, 110, 170, 176 intergovernmental cooperation, 14 intergovernmental status constraining IPCC development, 270 distinction from international, 13, 16

government involvement, 11, 79-82 as non-prescriptive, 68 promoted by US, 16 International Conference on Climate Risk Management, 2017, 174 international institutions, 35, See also IPBES; UNEP; UNFCCC; WMO Internet access and participation, 37 pre-print servers, 97 scenarios published, 140 interventions number and length in plenary sessions, 85 by observer organisations, 90 Inuit Tapiriit Kanatami, 120, 124 IP. See Indigenous Peoples IP caucus. See IIPFCC IPBES (Intergovernmental Science-Policy Platform on Biodiversity and Ecosystem Services) comparisons with IPCC, 25, 68, 94, 191, 195, 260, 267 comparisons with IPCC, 257 Fellowship programme, 77 as a GEA, 2, 4, 35, 80 joint workshop with IPCC, 270 Rules of procedure for the plenary of the platform, 25 SPM approval process, 191, 195 IPCC (Intergovernmental Panel on Climate Change) dearth of critical assessments, 3 intergovernmental status, 11, 16 as a knowledge institution, 1, 4 major events in history of, 52 as a model. 4 origins, 1, 11, 14-16, 18, 87 'IPCC space', 32 'IPCC studies', 3, 19, 262 IPOs (Indigenous Peoples' Organisations), xxiv, 122, See also ICC 'irreducible vagueness', 228 IS92 Emission Scenarios, 40, 139, 143, 145 IS92a scenario, 145 IUCN (International Union for the Conservation of Nature), xxiv, 119 Jannat, Raihanatul, 90n Janzwood, S., 167, 247 Jasanoff, Sheila coinage of civic epistemology, 201, 218, 221, 272 coinage of co-production, 254, 260, 272 coinage of constitutional moments, 50 coinage of cosmopolitan knowledge, 224, 272 coinage of knowledge ways, 2, 273 key readings, 18, 224, 260 on sociotechnical imaginaries, 258 Jaspal, R., 241 journals, peer review, 96

judgement uncertainty, 160

Keeling, Charles, 14 key findings, 82, 87, 164 knowledge base, current, of IPCC, 116 knowledge claims, 256 knowledge controversies, 148, 155, 202, 264 knowledge co-production. See also co-productions brought about by IPCC, 254-255, 260 with IK systems, 120-121, 123 knowledge infrastructure climate science as, 135 of the modelling community, 127 knowledge institutions cooperation between, 270 defined. 1 knowledge production distribution between Global North and South, 265 globalisation, 255 influence on public imagination, 257 organising co-production, 255 role of places, 28 knowledge systems, assumptions, 250 'knowledge ways', 2, 254, 273 Kowarsch, Martin, 199, 202, 211 key readings, 95, 205 Kuwait, 195 Kyoto Protocol, 44, 153, 155, 194, 210 Lahn, Bård, 193, 201, 230-231 biography and chapter contribution, xiii, 225 key readings, 216, 232 LAMs (Lead Author Meetings), xxiv, 28-31, 77 eLAMs, 37, 38 Land Use report (Special Report on Land Use, Land Use Change and Forestry, SRLULUCF, 2000), 40, 44, 46 land use, neglect by IAMs, 111 language boundary objects as a common language, 229 calibrated language and the IPCC, 160-165 English language standard, 35, 103 of Indigenous Peoples, 118 'level-of-understanding' language, 162 non-native English speakers, 35, 62, 64 Latour, Bruno, 28, 184 LCIPP (Local Communities and Indigenous Peoples Platform), xxiv, 124 Lead Authors (LAs) competition, 72 publishing advantages, 113 reviews of ZODs, 99 role, 63 skills and competencies, 73, 212 time pressure on, 100, 102-103 learning, modes of adaptive and reflexive, 50 IPCC as a learning organisation, 58, 148, 155 organisational learning, 50 Leclerc, Olivier, xiii, 19-26

Lee, Hoesung, 44 legal status of IPCC procedures, 20 legitimacy of IPCC different ways of validating, 218, 222 diversity and, 62, 67 NGO participation and, 94 procedures and, 20, 23-26, 33, 195 'level-of-understanding' language, 162 Lidskog, Rolf, 43, 64, 70, 73, 80, 188, 210 biography and chapter contribution, xiv, 207 Lindemer, August, xiv, 244-251 linear models of IPCC influence, 22, 111, 210, 217 of science communication, 247 Linnér, B.-O., 213, 216 literature. See also STS assessed by IPCC, xiii, 103 non-peer-reviewed, 24, 98, 116 scientific, use of visuals, 235 litigation, 195 Livingston, Jasmine E., 42, 45 biography and chapter contribution, xiv, 39-47 Livingston and Rummukainen, 45, 81, 200, 211, 230 Livingstone, D., 28 Lorenz, S., 239, 243 Lorenzoni, Irene, xiv, 234-243 Lövbrand, E., 135, 153, 155 low or lower-middle income economies, 66, See also developed and developing Low, S., 113, 144, 146 'lowest common denominator' allegation, 54, 182, 188 LTGGs (long-term global goals), 45 Lvnn, J., 243 Maas, T. Y., 88, 94, 204 MacDonald, Joanna Petrasek, xv Mach, K. J., 161, 165, 168, 183, 200 machine-learning, 103, 135 Mahony, Martin, 3-4, 38, 58, 230, 232, 238 biography and chapter contribution, xiv, 197 - 205mandate of the IPCC, 1, 20, 39, 55, 89, 103, 205, 213, 267 concerning SP15, 45, 200 omissions, 72, 74, 78, 91 mandate of Working / Task Groups, 29, 54, 174 'mapmaker' role / strategy, 49, 55, 143, 202, 205 Marrakesh Accords, 153 Masson-Delmotte, V., 166 Mastrandrea, M. D., 161-162, 164-165, 168 the 'Matthew effect', 113 McMahon, R., 239-240, 243 MEA (Millennium Ecosystem Assessment), xxiv, 2 media coverage, 240, 242 meetings. See also conferences defined, 35 frequency, 28

meetings. (cont.) socialising, 35 venues, 27-32, 173 virtual meetings, 27-38, 38 member governments. See also plenary sessions approval process, 187-195 delegations including indigenous peoples, 122 eligibility and numbers, 79 ownership of endorsed reports, 187 preventing discussion, 189 review of SODs, 100, 189 methodological scepticism, 96, 98 methodology decisions not deemed legitimate, 56 Methodology Reports full list, 40-41 Overview Section, 42 Miguel, Jean Carlos Hochsprung, xiv, 217-220 Miller, Clark A., 14, 130, 180-181, 245, 251, 271n biography and chapter contribution, xv, 253-260 key readings, 224, 260 minority reports, 184-186 MIPs (Model Intercomparison Projects), xxiv, 112, 126 AMIPs and CMIPs, 132 modelling, mathematical. See climate models; earth system models; IAM Monteiro, Marko, 217-220 Morseletto, P., 229 mortality risk, 152 Moss, R. H., 2, 139, 141, 161, 171 multimedia use, 237 multi-model ensembles, 133 nation states and environental governance, 223 national focal points (NFPs), xxiv, 63 as government functions, 83 importance of location, 86 proposing experts, 21, 83 National Greenhouse Gas Inventories Guidelines, 40 Task Force (TFI), 29 the national turn, 212-213 NDCs (Nationally Determined Contributions), 44, 189, 201, 212, 269 Nerlich, N., 241 Net Zero Watch, 251 NETs (Negative Emission Technologies), xxiv, 56, 144, 170, 202, 211, 214, 232, See also BECCS network organisation, IPCC as, 27, 172 'neutral arbiter' role, 232 New York City Panel on Climate Change, 270 NGOs (non-governmental organisations), 88-95 ICC as an example, xii ICSU as an example, 15 initiatives from, 213 nomination of experts, 91, 93 positions on carbon sinks, 153 types of NGO observer, 90

Nightingale, A. J., 170, 248 Nobel Peace Prize, 2007, xiii, 3, 53, 73 Nocke, T., 237 nuclear power, 212, 214 observer organisations, 29, 63, 88-95 categories, 89 NGO types, 90 observer status, 122 ocean and cryosphere, Special Report on (SROCC, 2019), 41, 121-122 ocean circulation models, 128 OECD (Organisation for Economic Cooperation and Development), 89 oil companies / oil-producing states, 93, 102, 189, 265 O'Neill, B. C. et al., 139, 141, 145, 200, 203, 205 O'Neill, S. J. et al., 81, 111, 114, 240, 251 online meetings, 27 ontological disputes, 151 Oomen, J., 144, 203 Oppenheimer, M., 12, 23, 99, 103, 114, 179, 183, 199, 204 O'Reilly, Jessica, 114, 164, 183, 186 biography and chapter contribution, 159-168 Oreskes, N., 24, 102-103, 114, 130-131, 148, 150, 180, 182, 184, 186 organisational learning, IPCC, 50, 56, 58, 155 outreach initiatives, 29, 100, 193, 237, 244 ozone depletion, 1, 13, 40, 267 Ozone Layer, Special Report on Safeguarding (SROC, 2005), 40 Pachauri, Rajendra, 24, 187, 246 palaeoclimate knowledge, 108, 109, 112 pandemic, COVID-19, 28, 38, 257 Paris Agreement, 2015, 44, See also Global Stocktake; post-Paris allowing multiplicity of approaches, 269 AR5 WGIII SPM and, 194 the national turn, 212-213 requirement for NETs, 56 Paris Conference (COP21), 2015, 45 participation by developing countries, 87 distinguished from access, 91, 265 number and length of interventions, 85 in peer review, 97 and perceived legitimacy, 264 reasons for varying levels, 84, 86, 86 by report users, 240, 251 underrepresented groups, 62 participation, public Global South, in science, 218 Latin America, in decision making, 222 Paterson, Matthew, 70, 73, 80, 85, 112-113, 201 pathways. See also scenarios as boundary objects, 230 focus of SR15, 212, 214-215

RCPs, 139, 141, 144, 145, 147n SSPs, 141, 142, 145, 230 PBL (Netherlands Environmental Assessment Agency), 143 Pearce, D., 152 Pearce, Warren, 68, 149, 182, 184, 186, 223, 245, 250 biography and chapter contribution, 244-251 Pearman, O., 248, 256 peer review, 96-103 and consensus, 179 ECRs in, 78 gatekeeping function, 98 IPCC's embracing, 155, 184 limitations, 97 non-peer-reviewed sources, 24, 98, 116 'performativity' of forecasts, 202 permafrost, 185 Petersen, Arthur C., 105, 168, 191 Petrasek MacDonald, Joanna, 116-124 philosophers (of science), 110, 132, 159, 179, 195 place, influence of. See venues placeholder avatars, 66 plenary sessions analysis of interventions, 85 attendance at first, 82 frequency, 29, 79 locations, 29 and organisational learning, 51 Unesco, 190 virtual, 32 Polar Regions Cross-chapter Paper, 122 policy advice climate sensitivity and, 226-227, 232 formulation in SR15, 211 whether appropriate, 209, 216 Policy and Process for Admitting Observer Organisations, 20, 92 policy context of reports, 43 'policy-follower' states, 223 policy-prescriptiveness avoiding, 197, 201, 205, 209, 216, 251 government disagreements over, 200 SR15 and, 211 policy-neutral stance of IPCC, 4, 191, 205, 213, 270 policy relevance and, 197, 209 policy relevance, pursuit of, 199, 204, 216 political influence charges of, 17, 245 as inescapable, 264 a new global politics, 254 process and outcome distinguished, 210 rise of post-truth politics, 58, 257 Polk, M., 113, 164 polycentric climate action, 49, 55, 58, 88, 202, 213, 259 'possibility space', 137, 144

post-carbon economy / future, 255, 259 post-Paris context challenges to IPCC mandate, 56, 216, 267 expectation of solutions, 8, 49, 202, 209, 232, 267 polycentric governance regime, 49, 58, 202, 213 'post-truth politics', 58, 257 power asymmetries, 93, 135, 176, 265, 269 Prince Albert II of Monaco Foundation, 74 Principles governing IPCC work (1998-), 20-21, 63 probability. See also confidence; uncertainties assessment, 162 low-probablity, high-risk events, 164, 204 probability distributions, 162, 183 procedural irregularities, 120, 150 procedural rules hampering ethical engagement with IK systems, 120 IPBES, 25 as a model, 25 no guarantee of objectivity, 264 reports review process, 99 as a response to criticism, 23 revisions, 53 status, 20, 263 procedural rules review. See IAC 'products' of the IPCC. See also reports assessment products, 92, 182, 199 key products identified, 254 knowledge products, 81, 86, 243 Protocol for Addressing Possible Errors..., 25 PRSQs (policy-relevant scientific questions), 199 public attitude shifts, 254, 256-257 public health risks from discoveries, 15 public participation. See participation quality control work, 75-76 radiative forcing climate sensitivity and, 227, 232n RCP scenarios and, 141, 142 Special Report on, 40 RCPs (Representative Concentration Pathways), 139, 144, 230

RCP2.6, 141, 147n RCP8.5, **145** 'Reasons for Concern' framework, 230, 238 reflexive learning / reflexive turn, 50, 55, 58, 250, 260, 268 regional aspects, neglect of, 55, **135**, 175, 194, 213, 216, 237, 259

Regional Impacts of Climate Change, Special Report (1997), 40

- Regions, Expert Meeting on Assessing Climate Information for, 175
- Renewable Energy, Special Report on (2011), 41

reports, IPCC. See also Assessment Reports; Special Reports acceptance, approval and adoption, 21, 187 accessibility, 241 changing policy context, 43 detachment form their authors, 249 expressing uncertainties, 159 full list for each assessment cycle, 40-41 inclusion of SPMs and TSs, 42 possibility of minority reports, 185-186 production process, 42-43 review process, 96, 99, 99-102 scenarios as ubiquitous, 137 schematic of preparation, 22 scoping meetings, 42, 54, 93, 169, 174, 189 types of consensus statement, 182 types of report, 41 use of calibrated language, 160-165 use of visuals, 243 Representative Concentration Pathways. See RCPs Rescher, N., 180, 185 research. See also climate research institutions' support for IPCC, 266 stimulated by IPCC, 108, 111, 132 Response Strategies Working Group, 138 Review Editors role, 24, 63, 102, 150 review process for reports, 42, 78, 91, 99-102, See also peer review closure, 149, 155, 171, 193, 219 effects of time pressure, 100 Rheinberger, Hans-Jörg, 228, 273 rights-based approaches, 118 Ripert, Jean, 11 Ripple, W. J., 254 risk management, 169-176 attempts to globalise, 257 guidance note on communicating, 247 integration in AR6, 169 International Conference on Climate Risk Management, 2017, 174 low-probablity, high-risk events, 164, 204 and political culture, 182 risk and nuclear power, 214 risk assessment framework, 175, 205 Robertson, S., 58, 144 Roulet, Jacques, 31 Rowe, Elena, 223 Rudd, Kevin, 179 Rummukainen, M, 45, 81, 200, 211, 230 Russia, xii, 7, 85, 119, 195, 223 SA90 scenario, 139, 145 Sanford, M., 248, 254

Sanford, M., 248, 254 Santer, Ben, 102 SAR. *See* Assessment Report 2 satellites, meteorological use, 15 Saudi Arabia, *85*, 102, 166, 194 SBSTA (Subsidiary Body for Science and Technology Advice), 44, 193 scenario matrix, 139, 141, 145 scenarios, 137-146, See also pathways baseline scenarios, 145 as boundary objects, 146 business-as-usual, 111 IS92 and IS92a, 40, 143, 145 SA90, 139, 145 ubiquity in IPCC reports, 137 Schäfer, S., 113, 144, 146 Schipper, E. L. F., 170-171, 176 Schneider, Stephen H., 53, 82, 92, 102, 150, 155, 161, 171, 182 Scholarship Programme, 72-75, 77 Trust Fund, 73-75 Schulte-Uebbing, L., 78 science. See also climate science balancing with politics, 20-23, 51 communication model, 245 contrasting framings, 222 dominance in IPCC discussions, 92, 151 epistemic authority, 178 epistemic disagreements, 150 importance of peer review, 96 separation from politics, 12, 17, 264 solutions-focused, for policymakers, 95, 170, 176 usefulness of controversies, 149 Science Board, Scholarship Trust Fund, 74 science-policy contexts / interactions / interfaces. See also boundary objects consensus-seeking and, 179 decision-making and, 18, 114 defined, 273 diversity and, 66, 89 following the Paris agreement, 56, 210 before IPCC establishment, 12, 14-15 IPCC as model, 4 IPCC strategic goals, 231, 246 member state endorsement and, 195 scientific assessments, 12 scientific form of governance, 53 scientists, expert authors not confined to, 6 SCOPE 29 (Scientific Committee on Problems of the Environment), 15 scoping meetings, IPCC reports, 42, 54, 63, 93, 169, 174, 189 sea-level rise (SLR) extremes excluded, 204 ice cap melting and, 109, 114, 179, 185 influence of modelling, 108, 109, 114 risk management, 165 search for consensus, 179, 183, 184 Secretariat, IPCC, location, 27 SED (Structured Expert Dialogue), 45, 193 Seitz, Frederick, 102 self-censorship, 176, 190

self-fulfilling prophecies, 202 self-interest, national, 84, 198 service-subordination mode, 170, 176 sex ratios. See gender balance Shackley, S, 2, 112, 131, 135, 182, 186, 228 Shaw, A., 199, 204 Shaw, C., 229 'ship on the ocean' metaphor, 266 Siebenhüner, Bernd, 49-58 Silberzhan, R. et al., 184 Skodvin, Tora, 3, 18n, 43, 47n, 81 biography and chapter contribution, 273 small island states, 45, 265 smog, 18n SOAs. See solution-oriented assessments social media, 240, 242, 250, 256 social sciences criticisms of IPCC communications, 247 need for better integration, 216 transformative societal change, 51, 55, 169, 214 social scientists engagement with the IPCC, 110, 113, 212 IPCC influence on research, 112 studying the IPCC, 2 social-ecological systems theory, 171 societal interest in IPCC communications, 240, 243 societal transformations, 51, 56, 169, 214 socio-cultural regions, 119 socio-economic assumptions, 137, 141, 145 socio-technical controversies / imaginaries / visions, 111, 201, 258, 260 SODs (Second Order Drafts), 42, 100, 103 'solution space', 203, 205 solution-oriented assessments (SOAs) following the Paris agreement, 55, 199, 209 GEAs movement toward, 202, 211 solution-oriented framings, 169, 205, 225, 231 'solution-oriented' turn, 8 in environmental assessments, 44, 199 solutions-oriented knowledge / science, 95, 176, 225 SRs (Special Reports, generally), See also individual reports full list, 40-41 increasing regularity, 199 as venue for integration, 177n SPM (Summaries for Policymakers) of AR5 SYN, 45 and controversy, 114, 150 drafting, 99 line-by-line approval, 43, 86, 99, 165, 190-191, 195 minority reports, 182 perceived as binding, 187 visuals in, 235, 242 SR15 (Special Report on Global Warming of 1.5 °C (2018))co-production of visuals, 241

collaboration between WGs, 177 contribution of Chapter Scientists, 76 production as a case study, 45-46 as solution-oriented, 211 transformative changes, 147n, 213 12 year deadline controversy, 244, 248, 249, 251 US reaction, 195 on viability of BECCS, 103 SRCCL (Special Report on Climate Change and Land (2019)), 41, 241, 248 SRES (Special Report on Emission Scenarios (2000)), 40, 138-140, 139, 145, 147n SREX (Special Report on Managing the Risks of Extreme Events and Disasters to Advance Climate Change Adaptation (2012)), 41.177n SRLULUCF (Special Report on Land Use, Land Use Change and Forestry (2000)), 40, 44, 46, 151, 154, 154, 266 SROCC (Special Report on the Ocean and Cryosphere in a Changing Climate (2019)), 41, 78, 121-122.234 SSP (Shared Socioeconomic Pathway), scenarios, 139, 141-142, 146, 230 stakeholders access and involvement, 92, 94 input to visuals, 240 role in GEAs, 88, 94 Standring, Adam, 59 Star, S. L., 226, 229, 272 Stirling, A., 180 Structured Expert Dialogue (SED), 45 STS (Science and Technology Studies) IPCC's knowledge ways, 2 IPCC's worldwide consensus, 182 on meeting environments, 28 origins of civic epistemology, 218 perspective on controversies, 149 on the science-policy boundary, 198 studies of GEAs, 2 succession planning, 72 Sundqvist, Göran, 20, 43, 80, 188, 193, 225, 229, 231 biography and chapter contribution, 207 key readings, 216, 232 Sunrise Movement, 249 sustainability / sustainable development, 111, 171, 205, 214, 216, 224, 258 UNEP and, 29 Sustainability, Schools of, 113 Sustainable Solutions, meeting on Integrating Science across the IPCC on Climate Risk and, 174 Swart, R. et al., 161 'Swiss arrny knife' metaphor, 268 Switzerland, 29, 31, 85, 152, 172

'adopted' status, 43 AR3 Synthesis Report, 237 AR4 Synthesis Report, 179 AR5 Synthesis Report, 45, 193, 195, 238 examples, 40-41, 124 from ICC, 124 introduction after AR2, 42, 199 'system of meetings', IPCC as, 27, 32, 35, 38 Tàbara, J. D. et al., 250 Taddei, Renzo Romano, 217-220 Taiwan, Industrial Technology Research Institute, 90 TAR. See Assessment Report 3 targets, global warming. See temperature targets Task Force Bureau, 20-21, 24 Task Force on Gender, 69 Task Force on National Greenhouse Gas Inventories (TFI), 29 Task Groups, 25, 91, 94, 172 Technical Papers, IPCC, 47n technological solutions, preference, 56, 194, 215, 265, 267 techno-optimistic assumptions, 57, 103, 144, 203, 211, 214, 267 temperature control, WMO Building, 32 temperature rise, global and impacts, 200 visualisation, 235, 235 temperature targets. See also SR15 as boundary objects, 226, 229 favoured above behavioural change, 55 IAM scenarios and, 144 1.5 °C objective, 44 as SR15 solutions, 211 transformations required, 213 2°C objective, 229–230 terminology used in the book, 6 TFI (Task Force on National Greenhouse Gas Inventories), 29 TG-Data (Task Group on Data Support for Climate Change Assessments), xxv, 174 TGICA (Task Group on Data and Scenario Support for Impacts and Climate Analysis), 172 thematic bridges, 124, 172, 174, 176 time-horizon, GWPs, 232 time zones. 37 Touzé-Peiffer, L., 133-134, 135 transformative societal change, 51, 55, 169, 214 transparency and dissent, 184 and IPCC visuals, 239 NGO participation and, 93, 95 and peer review, 98 perhaps discouraging participation, 26 of scenarios and IAMs, 56, 58, 144 shortcomings identified by the IAC, 54, 57, 102 a 'travelling village', IPCC as, 27, 29

'tribalism', accusation, 23 Trust Funds Scholarship Programme Trust Fund, 73-75 supporting developing country representatives, 82 'truth spots', 28, 38, 273 TSs (Technical Summaries), xxv, 42-43, 167, 234 TSU (Technical Support Unit, for a Working Group), 172 FOD comment period, 100 hosting, 29, 85 role in author selection, 63, 69 virtual meetings, 37 12 year deadline (SR15), 244, 248, 249, 251 'UN ecosystem', Geneva, as, 28 uncertainties epistemic uncertainty, 160, 183 expressing in IPCC reports, 168, 239 guidance note and concept paper, 163, 168, 171, 247 IAC recommendations on addressing, 24 IPCC workshop on, 161 model and socially-derived uncertainties, 161 scenario and climate response uncertainties, 239, 247 usefulness and misuse, 160, 167 uncertainty calibration. See calibrated language UNEP (UN Environment Programme) convening power, of IPCC and, 29 Global Environmental Outlook, 95, 195 origins of the IPCC, 1, 13, 20, 82 SPM approval, 195 '12 years' claim, 249 UNFCCC (UN Framework Convention on Climate Change) COP1 (1995, Berlin), 227 COP6 (2000, The Hague), 153 COP7 (2001, Maarakesh), 153 COP13 (2007, Bali), 231 COP15 (2009, Copenhagen), 179 COP21 (2015, Paris), 249 COP26 (2021, Glasgow), 37, 195, 254 dealing with indigenous peoples, 119 formation, 210 INC as precursor, 43, 199 IPCC reports and, 45, 188-189, 195, 209 and IPCC role, 246, 253 role, 45 SBSTA (Subsidiary Body for Science and Technology Advice), 44, 193 Structured Expert Dialogue (SED), 45, 193 United Kingdom, 29, 85, 200, 219, 222 United States adversarial approach to science, 219 attitudes to climate change, 250 Biden Administration, 55 Bush, GW Administration, 83 concerns over policy prescriptiveness, 200

Synthesis Reports (SYRs)

debates over climate models, 131 delaying tactics, 194-195 rise of post-truth politics, 257 role in establishment of the IPCC, 16, 250 Trump Administration, 195 UNPFII (UN Permanent Forum on Indigenous Issues), xxv, 124 user involvement, 240, 251 vaccination, 12 Vadrot, A. B. M., 82, 189, 191, 195, 273 value-free stance of IPCC, 4 van Bavel, Bianca, 116-124 van Beek, L., 111-112, 138, 146, 243 van der Sluijs, J. P. et al., 131, 186, 227-228, 232 Vardy, Mark, 169-176, 188 Vasileiadou, E., 112, 114 Venturini, T., 27, 65, 149-151, 172, 186 venues for IPCC Meetings, 27-32, 38, 173 Verheggen, B., 181-182 Victor, D. G., 110, 114, 194-195, 212-213 the 'view from nowhere', 66, 218 Villach, 1985 Conference and report, 15-16 virtual meetings, 27 visuals 'burning embers' diagram, 197, 200, 236, 238 climate change impacts and adaptation, 243 graphs in AR3 report, 151, 237 'hockey-stick' graph in AR3, 151, 239 interactivity, 175, 237 interpretation, 239, 243 recirculation, 240, 242 representing global temperature change, 235, 236, 238 use in IPCC reports, 234-243 VOSL (value of statistical life), 152 voting, 83, 181, 185-186 Walsh, L., 239, 241 Wanneau, K., 44, 170 Wardekker, A., 239, 243 Watson, Robert, 83, 244 WCRP (World Climate Research Programme), 130, 132-133 weather forecasting, 14, 128 'weighting' of terminology, 189 Western perspectives. See Global North

WGI - the Physical Science Basis AR2 Chapter-8 debate, 1995, 53, 101, 150 AR4, modelling sea-level rise, 114, 151 AR6 reference scenarios, 141 diversity problems, 66 use of emulators, 128 WGII - Impacts, Adaptation, and Vulnerability Himalayan glaciers error, 53, 150, 220 WGIII - Mitigation of Climate Change approach to uncertainty, 162 diversity in, 68, 70 'mapmaker strategy' and IAMs, 55, 143 post-Paris debates, 202 statistical value of human life, AR2, 152 US influence, 17 virtual meetings, 37 Whatmore, S. J., 149-150, 154-155, 273 WHO (World Health Organisation), xxvi, 257 Whyte, K., 120, 124 Wikileaks, 83 Wimsatt, W. K., 249 WMO (World Meteorological Organisation) ICSU cooperation, 15 origins of the IPCC, 1, 15, 20, 82 WMO Building, 31 women, representation, 64, 69-70, See also gender halance Working Groups. See also WGI to WGIII assessment reports and synthesis reports, 42 biases, 114 Chapter Scientist recruitment, 77 constitution, 19 epistemological hierarchies, 110 integration between, 169, 175 reorganisation, 43 scenario-based integration, 146 status of Chairmen, 83 structure reflected in published research, 111 suggested need for a fourth, 114 World Climate Conference / Programme, 15 World Economic Forum, 249 Wynne, B., 50, 56, 112, 131, 135, 186 Yamineva, Yulia, 82, 88-95

ZODs (Zero Order Drafts), xxvi, 99 Zommers, Z, 238