Index

Adams, Douglas, 537 Adaptation Fund (AF), 223-4, 383 aerosols, 36 Aggarwal, P. K., 40 agriculture, 519–32 adaptation costs and benefits, 526 - 7climate change impacts on, 520 - 4energy consumption in, 441–2 mainstreaming adaptation, 529-30 mainstreaming climate resilience, 530-1 vulnerability to climate change, 524 Ahluwalia, Montek Singh, 159 Allen, Myles, 51 Alliance of Small Island States (AOSIS), 118, 146, 147 Arulalan, T., 49 Ashe, Teresa, 304 Asian Cities Climate Change Resilience Network (ACCCRN), 462 Asian Development Bank, 391 Assam Climate Change Management Society (ACCMS), 378

attribution, extreme event, 50-6 Chennai flood, 54 extreme heat in Phalodi, Rajasthan, 55–6 heatwave in Andhra Pradesh, 52 - 3aviation emissions, 233-4 analysing and projecting, 239 - 40revenue tonne kilometres, 239-40 Bali Action Plan, 404 Bali Declaration, 232 BASIC countries, 12, 124–6, 129, 136, 158–62, 165, 166, 184, 209, 308, 318 BEE. See Bureau of Energy Efficiency Bharatiya Janata Party (BJP), 127 Bharat Stage (BS) VI emission, 281 Billett, Simon, 304 'biome shifts', 487 Bloomberg, Michael, 275 Bollasina, Massimo, 40Bombay Stock Exchange, 281 Brown, Gordon, 163, 164 Biennial Update Report (BUR), 342, 409 Bureau of Energy Efficiency (BEE), 412, 436, 438, 450

Bush, George W., 194
business and climate change mitigation, 273–82
Indian companies, 277–9
Paris Agreement, 274–5
stakeholder pressure, 276
Tata Council for Community Initiatives, 278
Tata Global Sustainability Council, 279

Cancun Agreements, 126, 207 carbon credit, 12, 193, 235, 355, 484 carbon sequestration, forests and, 479-85 biophysical estimates, 481–2 trade-offs, 482–5 carbon space, 97-9, 102-3, 106, 132, 212 CBDR. See 'common but differentiated responsibilities' CBDR&RC. See common but differentiated responsibilities and respective capabilities CDM. See Clean Development Mechanism Central Marine Fisheries Research Institute (CMFRI), 69 Centre for Community Economics and Development Consultants Society, 266 Centre for Science and Environment (CSE), 83-6, 87, 133, 135, 237, 260–1 chlorofluorocarbons (CFCs), 86 civil society organization (CSO), 253 - 67climate justice, 257-64 government and industry government relationship and, 258 - 9

political opportunities for, 256 - 7politics of, 255 Clean Development Mechanism (CDM), 119–20, 153, 154, 193-4, 235, 310, 389 Clean Technology Fund (CTF), 391 Climate Action Network (CAN), 265 - 6Climate Action Network South Asia (CANSA), 264–6 Climate Change Finance Unit (CCFU), 341 Climate Equity Reference Calculator (CERC), 105 Climate Equity Reference Framework (CERF), 103-6, 107 climate finance, 381–95 Clean Development Mechanism, 389 Clean Technology Fund, 391 domestic public finance, 387, 389 institutional mechanisms and implications for scaling up, 390 - 4multilateral development banks, 384 needs, drivers, and sources of, 386-90 climate institutionalization, 339 - 40climate justice, 16, 75, 178, 180-1, 255, 257-67, 285-6 INDC and, 262 international vs. domestic, 261-4 Climate Justice Now (CJN), 265 - 6

Climate-Related Financial Disclosures (TCFD), 275 Climate Technology Centre and Network (CTCN), 405, 408, 418 Clinton, Hillary, 165, 198 coastal and island ecosystems back-up strategies for climate change, 553-4 building climate resilience for, 550-4 climate change on, impacts of, 539-46 climate change preparedness, 546 - 9interconnectedness, 544 Lakshadweep archipelago, 549-50 non-linear ecosystem properties, 544 services provided by, 538-9 species and ecosystem responses, 539-43 Coastal Regulation Zone (CRZ), 547 Cole, S., 528 co-benefits, 18, 23-5, 258, 304, 331-3, 336, 345, 355, 376, 386, 392, 429, 432, 465, 532 common but differentiated responsibilities (CBDR), 116, 126, 164, 197, 211, 234, 318 - 20common but differentiated responsibilities and respective capabilities (CBDR&RC), 11, 94-5, 99, 104-5, 117, 210-11, 216 Confederation of Indian Industry (CII), 135, 276 Conference of the Parties (COP) COP 1, 118–9, 129, 133

COP 3, 120, 129 COP 11, 121, 130 COP 13, 122, 130, 223, 404 COP 15, 96, 103, 108, 122–5, 130, 136, 224, 305, 405, 480COP 16, 125, 130, 405 COP 17, 125, 130–1, 224 COP 20, COP 21, 126-8, 131, 134, 136, 177-8, 262, 265-6, 387, 480'contingent unilateralism', 235 Convention on International Civil Aviation (Chicago Convention), 234Copenhagen Accord, 126, 166, 207, 212, 314, 382 Copenhagen Climate Summit, 123, 157-68, 197, 198 corporate social responsibility (CSR), 278 Coupled Model Intercomparison Project Phase 5 (CMIP5), 55 cumulative emissions, 100-1, 103-7, 143 Cyclone Aila, 68 Dalai Lama, 158 Das, Shankar, 68 Dasgupta, Chandrashekhar, 12, 117, 163, 165 Dave, Anil M., 262 Dell, M., 523 Dileepkumar, R., 49 Diospyros melanoxylon, 489 domestic energy supply, 442-8 coal and thermal power, 443-5

electricity distribution utilities, 447–8

renewable energy-based electricity generation, 445–7 total primary energy supply, 443 Dow Jones Sustainability Index, 281 D'Souza, Mario, 107 Durban Platform, 209, 210

Economic Survey 2011–12, 384 *Economic Survey 2012–13*, 386 Electricity Act, 288 electricity distribution utilities, 447 - 8electricity distribution companies (DISCOMs), 288, 433, 439, 442, 447-8 El Niño effect, 35-6 El Niño Southern Oscillation (ENSO), 543 at Lakshadweep, 549 emissions, greenhouse gas (GHG) annual, 9, 10, 103, 107 cumulative, 9, 100-1, 103-7, 143 energy use and, 408-9, 427 emissions intensity, of India's GDP, 124, 128, 130-1, 330, 340, 409, 430-1 Emissions Trading Scheme (ETS), 231, 234 Energy Conservation Building Code (ECBC), 413, 436-7, 463 energy consumption, 432-42 agriculture sector, 441–2 industrial energy consumption, 438-9 residential sector, 434–8 transport sector, 440-41 Energy Efficiency Services Limited (EESL), 412, 436 energy sector, technology transition in, 408–16

energy-climate-development nexus, 408-9 energy efficiency, 412-13 renewable energy, 409–11 energy sector and climate change mitigation domestic energy supply, 442-8 energy-related programmes and schemes, 433-4 fossil fuel-free capacity, share of, 431 governance and politics, 448-51 integrated planning of, 449 role of energy in India's climate policy, 429-32 trade union responses, 289–94 transition in India, 286–9 Energy Sector Management Assistance programme (ESMAP), 411 Energy Transitions Commission, 279 Environmental Investigation Agency, 235 equity, climate, 11–12 CERF. See Climate Equity Reference Calculator and global climate regime, 93–6 justice and burden sharing, 318–21 in long-term mitigation, 92 - 109operationalizing, 96-100 global mitigation target, 97-9 and Paris Agreement, 107–9 specific proposals to operationalize, 100-7 carbon budget approach, 106 - 7

Climate Equity Reference Framework, 103–6 contraction and convergence (C&C) approach, 100–3 European Union (EU), 118–19 aviation emissions, 234 CER trading under, 389 Emissions Trading Scheme, 231 Executive Committee on Climate Change (ECCC), 340–1 Expert Committee on Climate Change, 350

Fabius, Laurent, 173-4 Federation of Indian Chambers of Commerce and Industry (FICCI), 135, 276 Food and Agricultural Organization (FAO), 70 Forest Rights Act (FRA), 484-5 forests, 477-91 biodiversity conservation, 479 and carbon sequestration, 479-85 climate change on, impact of, 486-90 non-timber forest products, 478 social ecology of forests, 478–9 Foundation for Ecological Research, Advocacy and Learning (FERAL), 70 Froman, Mike, 165–6 Ganga, 66, 513 Indo-gangetic plain, 520 Ganga–Brahmaputra–Meghna

delta, 66–7 Ganga Mission, 513 glaciers, 37 Global Environment Facility (GEF), 154, 383 global market-based measures (GMBM) scheme, 234-6 for aviation emissions, 239 Global North, 254, 304 Global South, 256 'Global Stabilization Trajectory', 98 Global Stocktake (GST), 108 global warming in an unequal world CO_2 and methane accumulation, responsibility for, 86–7 lack of third world research, 87 - 90global warming potential (GWP), 235–6 Green Climate Fund (GCF), 164, 224, 284, 376, 383, 393, 484 Green Indian Mission (GIM), 482–3 Green Urban Mobility Scheme, 470 Green Urban Transport Mission, 463 G8+5 Summit, 121

Handbook of Climate Change and India, 4–5 heating, ventilation, and airconditioning (HVAC) sector, 241 Himalaya, 32, 49 farmers in, 71, 74 Hindu Kush Himalaya, 70 Himalayan glaciers, 37, 311 Himalayan rivers, 499 snowfall in, 36 Himalayan effects, 70–2 'hothouse earth', 1 human development index (HDI), 429 Hurricane Harvey, 310 hydrochlorofluorocarbon (HCFC), 231, 232, 235 hydrofluorocarbon (HFC), 230 alternatives, 238–9 consumption, 231–2 discussions under Montreal Protocol, 233 emissions and costs of transitions, 237–9 hydrofluorocarbons and aviation negotiations, 230–43 Kigali Amendment, 240–1 phase-down negotiations in, 233

Ice Ages, 32 impacts of climate change, 6-8 on agriculture, 22, 135, 520-4, 526, 528 anthropogenic, 55 climate finance and, 382 on development outcomes, 2 domestically driven perspective focusing on, 201 on forests, 21 on health of workers, 17 on India, 31-41 India's vulnerability, 2, 15, 188-91, 199 on Lakshadweep archipelago, 549-50 range of, 309–10 recognition of, 310 Ricardian approach to assess, 528 role of adaptation in, 526 science-based and state-level predictions of, 366 sustainable development, 349, 352 in water sector, 498–502

on weather, 45–58 impacts of, global warming, 64–75 agriculture, 22, 40, 66, 72, 135, 189, 280, 336, 342, 350, 366, 374, 406, 427, 434, 441-2, 462, 478, 503-5, 509, 519–22, 524, 526–9, 531 coasts, 69-70, 537-8, 540, 547-51, 553-5 extreme rainfall in Uttarakhand, 72 - 4forests, 21, 82, 90, 128, 170, 225, 337-8, 477-91, 548 Himalayan effects, 70-2 migration of species, 69–70 sea-level rise, displacement, and livelihoods, 66-9 India Energy Security Scenarios (IESS), 336 India Meteorological Department, 34, 64, 308 Indian Institute of Tropical Meteorology (IITM), 49, 64 Indian Network for Climate Change Assessment (INCCA), 189, 340 Indian Ocean, 35 Indian print media, shifting discourse on climate change in, 301 - 21climate equity justice and burden sharing, 318–21 climate scepticism, 311-13 dominant themes of news articles, 308–10 frequency of articles, 305–7 methods for media discourse analysis, 303-4 mitigation and adaptation of climate action, 317-18

national and sub-national action, 315-17 policies and politics, stories on, 313-15 Indo-gangetic plain, 520 Industrial Revolution, 97 Infrastructure for Climate Resilient Growth (ICRG), 392 Infrastructure Leasing & Financial Services Limited (IL&FS), 393 Institute for Governance and Sustainable Development (IGSD), 237 institutions, climate development of, 338–45 limited institutional engagement, 339 significant climate institutionalization, 339-40 Intellectual Property Rights (IPRs), 404Intended Nationally Determined Contribution (INDC), 108, 127-8, 136, 176-7, 200, 284, 305, 387 climate justice and, 262 Paris negotiations and, 227 in Warsaw COP of 2013, 226 Intergovernmental Negotiating Committee (INC), 143, 149, 150, 154 Intergovernmental Panel on Climate Change (IPCC), 7, 33, 83, 258, 308 Coupled Model Intercomparison Project Phase 5, 55 Fifth Assessment Report, 104, 106, 115, 189, 315, 349, 498, 500 Fourth Assessment Report, 189, 196

India's role in shaping, 115–20 2014 synthesis report, 311 Third Assessment Report, 524 International Civil Aviation Organization (ICAO), 230 differentiation undermined in, 241 - 3global market-based measures scheme, 234-5 international climate negotiations, India in India's behaviour in, 132–7 reasons for change, 134–7 reasons for continuity, 132-4 International Coalition for Sustainable Aviation (ICSA), 242 International Energy Agency (IEA), 308 International Renewable Energy Agency (IRENA), 411 International Solar Alliance (ISA), 128, 178, 228 International Trade Union Confederation (ITUC), 285 Japan, Canada, Australia, and New Zealand (JUSCANZ), 118–19

Zealand (JUSCANZ), 118–19 Javadekar, Prakash, 170, 177 Jiabao, Wen, 157–8, 161–2, 165–7 Joint Forest Management (JFM), 483–4, 485 Jones, B.F., 523

Kerala Shastra Sahitya Parishad (KSSP), 292 Kerry, John, 170, 172 Keynes, John Maynard, 429 Kigali Amendment, 14 Kitoh, A., 39 Klein, R. J. T., 525 Kumar, D. Nagesh, 49 Kyoto Protocol (KP), 96, 115–21 certified emission reductions, 389 Clean Development Mechanism, 119-20, 153-4, 193-4, 235 common but differentiated responsibilities principle, 116, 126, 164, 211, 234, 261, 297 India's role in shaping, 115–20 Lakshadweep Action Plan for Climate Change (LAPCC), 550 Lakshadweep archipelago, 549–50 Lancet Commission, 38 land use change/LULUCF, emissions from, 9–10, 21, 32–3, 41, 48–9, 55, 65, 74, 207, 211, 461, 468, 500, 504, 546 Lavasa, Ashok, 12 least developed countries (LDCs), 164, 199, 201 Least Developed Countries Fund (LDCF), 383 levelized cost of electricity (LCOE), 411 light-emitting diodes (LEDs), 412 - 13Like-Minded Developing Countries (LMDC), 127, 129, 211Liveability Index for Cities, 470 Mahanadi River basin, 49 Mahant, Krishna, 70 Mahatma Gandhi National Rural Employment Guarantee Act (MGNREGA), 365, 374, 392

Major Economies Forum (MEF), 123, 197 Manmohan Singh Convergence Principle, 103 Market Transformation for Energy Efficiency (MTEE), 412 'Marrakesh Accords', 120 Martin-Ortega, J., 527 measurement, reporting, and verification (MRV) system, 206 MEF. See Major Economies Forum Meher-Homji, V.M., 485 Meyer, Aubrey, 103 MGNREGA. See Mahatma Gandhi National Rural Employment Guarantee Act micro, small, and medium enterprise (MSME) sector, 280 'missing sink', 83 Mission Innovation (MI), 406, 415 MLF. See Multilateral Fund Mobarak, A. M., 528 Modi, Narendra, 127–8, 178 Mondal, A., 49 Montreal Protocol, 14, 185, 230, 232 - 3Kigali Amendment, 14, 240–1 negotiating HFCs under, 241 Mujumdar, P. P., 49 Mukherjee, Sourav, 49 multiple objectives, 20, 22, 330, 333, 392, 445, 468-9 multiple stressors, 20, 22, 498, 502, 524, 530 multilateral climate change negotiations, main issues in, 206 - 12design and architecture, 206-8 differentiation between and among developed and developing countries, 210–12

legal form and character, 208–10 MRV system, 206 Multilateral Fund (MLF), 233, 238, 241

Narmada Bachao Andolan, 263 Natarajan, Jayanthi, 126 National Action Plan on Climate Change (NAPCC), 18, 122, 128, 223, 226, 308, 316, 330-2, 336, 340, 350, 354, 361-2, 384, 386, 429, 547-8 National Adaptation Fund on Climate Change (NAFCC), 342, 345, 372, 376, 385, 391-2 National Aeronautics and Space Administration (NASA), 308 National Bank for Agriculture and Rural Development (NABARD), 341, 342, 385, 392, 531-2 National Civil Aviation Policy, 239 National Clean Development Mechanism Authority, 339 National Clean Energy and Environment Fund (NCEEF), 393-4 national climate policies and institutions, 329-45 climate institutions. development of, 338-45 domestic climate policy formulation, 339-40 policies relevant to mitigation and energy, 334-5 National Communication (NATCOM), 164, 166

National Democratic Alliance (NDA), 287 National Electric Mobility Mission Plan (NEMMP), 440 National Fishworkers' Forum, 263 National Forest Policy 1988, 484 2018, 485 National Green Tribunal, 308 National Innovation Systems, 419-20 Nationally Determined Contribution (NDC), 108–9, 177, 201, 335-8, 386, 430 Paris Agreement and, 229 Paris negotiations and, 227-8 SAPCC and, 372 National Mission on Enhanced Energy Efficiency (NMEEE), 332, 412 National Mission on Sustainable Habitat, 463 National Security Adviser (NSA), 165 National Solar Mission (NSM), 331-2 National Steering Committee on Climate Change (NSCCC), 341 National Stock Exchange, 281 National Union of Metal Workers of South Africa (NUMSA), 286 National Water Mission (NWM), 331, 507-8 NCEEF. See National Clean Energy and Environment Fund Nelson, G. C., 527 NEMMP. See National Electric Mobility Mission Plan New Trade Union Initiative (NTUI), 289-4 New York Times, The, 176 Nigam, Sumant, 40

non-banking financial companies (NBFCs), 392–3 non-timber forest products (NTFPs), 478

Obama, Barack, 163–8, 170, 232 Obama–Xi Jinping declaration, 109 O'Brien, K., 524 official development assistance (ODA), 383 Olken, B. A, 523 Organisation for Economic Co-operation and Development (OECD), 383, 414 Organization of Petroleum Exporting Countries (OPEC), 118, 120, 146, 147, 148, 149,

150, 154, 194

Painter, James, 304 Palanisami, K., 528 Panda, Architesh, 40 Paris Agreement, 11, 13, 169–85, 243, 320 architecture and core obligations of, 212-14 Article 10, 181 differentiation, 215–16 equity and, 107–9 finance provisions of, 215–16 'flexibility' while negotiating, 171 - 2heads of state/government, 177 - 8and HFC negotiations, 14 legal character, 214–15 operationalization of CBDR&RC, 216 Rulebook, 217

variations among NDCs, 217 - 18vs. Kyoto Protocol, 218 People's Science Institute (PSI), 72 per capita emissions, 9, 10, 101–3, 116-7, 121, 143, 145, 200 'per capita convergence', 116 Perform-Achieve-Trade (PAT) scheme, 412, 438-9 Pervin, M., 530 power purchase agreements (PPAs), 288 Prime Minister's Office (PMO), 157, 223, 339-40 Pradhan Mantri Ujjwala Yojana (PMUY), 437 Prime Minister's Council on Climate Change (PMCCC), 122-3, 255, 263, 339-40 Project Management Unit (PMU), 342 Public Advocacy Initiatives for Rights and Values in India (PAIRVI), 65, 266 quantitative emission limitation and reduction objective (QELRO), 153 Rajendran, K., 39 Rama Rao, C.A., 524 Ramesh, Jairam, 123-4, 159, 160, 162, 163, 166, 262, 315, 340 Rao, Nirupama, 158 Ravi Chopra Expert Body report, 74 Reiter, P., 40 renewable energy-based electricity generation, 225-6, 279, 409,

411, 415, 445–7, 449

research, development and demonstration (RD&D), 405-6, 415 Rhodes, Ben, 178 Rosenzweig, M., 528 Saran, Samir, 12 Saran, Shyam, 223, 314 Sarkozy, 164–5 sea level, rising, 37-8 sea-surface temperatures (SSTs), 500 SHAKTI scheme, 444 Singh, Manmohan, 121, 158, 161, 232 Sinha, B., 40 Small Island Developing States (SIDS), 164, 180, 188, 199, 227 Smart Cities, 470 Smart Cities Mission, 463 Solar City Programme, 463 Sonali, P., 49 'South-South cooperation', 171 Special Climate Change Fund (SCCF), 383 special envoy on climate change, 165, 223, 314, 340 State Action Plans on Climate Change (SAPCC), 308, 316, 333, 336, 341, 350, 370–9, 547 - 8agricultural sector and, 532 political ownership of, 375-6 recommendations, 355 status of implementation of, 372 - 3State and District Disaster Management Plans, 374 state climate change planning, 349-79 analysis of, 351-67

capacity building and external support, 358-9 implementation of, 363-7 institutional capacity for, 377-8 mainstream climate change, 363-4, 373-4 process of, 355-9 role of mitigation in, 354-5 securing finance for, 364–5 status of implementation of SAPCC, 372-3 sustainable development, linking climate change with, 352 State Disaster Management Plan (SDMP), 532 State Specific Action Plans on Water (SSAPs-Water), 507-8 Stern, Todd, 159, 165, 170 Subramanian, Arvind, 315 sub-national climate policies, 302, 315-17, 329, 333 subsidies, 225, 550 in agricultural electricity, 442 cross and direct, 442, 447 in liquefied petroleum gas connections, 437 Summers, Lawrence, 159 Super-Efficient Equipment Programme (SEEP), 413 sustainable development and access to energy, 451 business and, 276-7 climate change as an extension of, 195 conceptual framework linking, 366 demands, 86 Indian companies engage on, 277-9

linking climate change with, 352 national missions emphasize on, 386 NDC and, 336 real challenges to achievement of, evidence of, 367 Sustainable Development Goal (SDG), 274, 375, 385–6, 459, 503

Tata Council for Community Initiatives, 278 Tata Global Sustainability Council (TGSC), 279 Technology Executive Committee (TEC), 405, 406, 408 Technology Needs Assessment (TNA), 403 technology transfer, 94, 115-7, 145-8, 163, 177, 181-2, 318-9, 404 technology transition CTCN, 405, 408 in Indian energy sector, 408–16 Mission Innovation, 406 Technology Executive Committee, 405 UNFCCC and, 403-8 Thaker, Jagadish, 304 Thakur, Bishan, 71 Trade Unions for Energy Democracy (TUED), 285 Transit Oriented Development Policy, 470 Trump, Donald, 275, 311 Ujwal DISCOM Assurance Yojana (UDAY), 439

United Nations Conference on Environment and Development (UNCED), 142 United Nations Development Programme (UNDP), 392 United Nations Division of Economic and Social Affairs (UNDESA), 405 United Nations Environment Programme (UNEP), 83, 116 Climate and Clean Air Coalition, 232 United Nations Framework Convention on Climate Change (UNFCCC), 12, 14, 92-6, 100, 106, 117–19 Adaptation Fund under, 341 Bali Action Plan, 122 Biennial Update Report, 342 common but differentiated responsibilities, 116, 126, 164, 197, 211, 234, 318-20 definition of climate finance, 382 Lima Call to Climate Action (2014), 207-8, 210-1 technology and, 399, 400, 403 - 8United Nations General Assembly (UNGA) 'Intergovernmental Negotiating Committee' under, 116 Resolution 44/207 in 1989, 115 United Progressive Alliance (UPA), 122 - 3Unnat Jyoti by Affordable LEDs for All (UJALA) programme, 436 urban/urbanization, 21-2, 65, 308, 342, 435, 440, 459-70 approaches to climate change, 461 - 7climate-conscious urbanization, 467 - 70

climate responses, 462–7 multiple objective-based planning, 468–9 Uttarakhand Aapda Rahat Manch, 73

vulnerability, climate, 5, 15, 524 of agricultural land, 67 extreme events and, 58 human rights–based approaches to, 260 losses of life and, 56 Vickery, J., 528 Vijge, Marjanneke J., 482

water resources, 498–514 bridging scales from basin to water user, challenge of, 504 - 5climate change in, impact of, 498-502 conflicts on, 513-14 existing initiatives, mainstream climate and synergies in, 507-14 extreme events and, 508-10 limitations of current framework, 502-7 management approach, 506–7 mismatch in demand and supply, 512–13 multiple concerns, 502-3 multiple stressors, 503–4

unsustainability of, 511–12 water quality and environmental health, 513 water supply, impact of hydroclimatic variables on, 500 - 2Wehner, Michael, 53 Wills, Alf, 166 World Bank, 277, 308, 356, 383, 391 World Business Council for Sustainable Development (WBCSD), 274, 276 World Conference on Environment and Development (Rio de Janeiro in 1992), 273 World Conservation Monitoring Centre (WCMC), 478 World Economic Forum (WEF), 274, 276-7 World Resources Institute (WRI), 81 - 2World Trade Organization (WTO), 154, 413 Yafei, He, 161, 166 Yes Bank, 393

Ylä-Anttila, T., 266

Zhao, J., 527 Zhenhua, Xie, 167–8 Zilberman, D., 527