

Index

Page numbers in *italic* refers to figures.

- 350 advertisement, 217, 218, 220
350-ppm planetary boundary, 217, 256
- Abisko, Sweden, 30
acid rain, 123–124, 126–129, 142,
148–149, 176
adaptive management, 246
Advisory Group on Greenhouse Gases
(AGGG), 191–192, 194, 197, 198,
200–201
Aeronautical Meteorology, 95–96
Aga Khan IV, 188
Agenda 2030 decade, 16, 20, 289
aggregative expertise, 242
Ahlmann, Hans W., 86, 105, 106, 108,
109, 110–111, 112
air pollution, 29, 101, 176
Air Research and Development
Command, 116
Alfredson, Hans, 70, 71
Alfvén, Hannes, 85, 115, 168
Allen, Myles, 256
Ambio journal, 39, 90, 164, 163–167, 170,
178, 179, 209, 228
Amsterdam Declaration on Earth System
Science, 209, 227
Andersson, Magdalena, 294, 292–295
Anér, Kerstin, 74
Ångström, Anders, 119
Anker, Peder, 42
Annan, Kofi, 29
- Antarctic Treaty, 86
Anthropocene, 5, 38, 42, 43, 164, 224,
226–227, 228
Anthropocene Review journal, 223
Arctic
as hot zone in Cold War, 86, 110
warming of, 110
Arrhenius Laboratory, University of
Stockholm, 118
Arrhenius, Svante, 93, 94, 101, 243
artificial intelligence, 285
arts, contribution to widening the
social space of the environment,
68–70, 72, 125
Askö workshops, 215, 247, 248
Åström, Sverker, 134
call for scientific report to support UN
initiative, 138
diplomatic strategy at UN, 134–135,
136–138
on national sovereignty, 30
preparations for Stockholm Conference,
143–45
speech to UNGA, 35, 122, 123, 140, 142
speeches to ECOSOC, 138,
139–140, 142
atmospheric chemistry, 128, 148
Atomic Energy Commission, 96
- Bali Road Map, 220
Baltic Sea Declaration, 166

- Baltic Sea Joint Comprehensive Environmental Programme, 166
- Baltic Sea Prime Ministers Conference, Ronneby 1990, 165
- Banduri, Tariq, 222
- Bastida, Xiye, 288
- Baumol, William, 248
- Beijer Foundation, 214
- Beijer Institute, 39, 154, 165, 167–169, 180, 185, 186–189, 190, 191, 195, 197, 212
- Beijer Institute of Ecological Economics, 167, 210, 213–216, 247, 248
- Beijer, Kjell, 167–168, 305
- Bengtsson, Ingemund, 155
- Bennet, Carl, 311
- Bergen School, 105, 113
- Bergeron, Tor, 105, 109
- Berkner, Lloyd V., 84, 86
- Bernhard, Carl Gustaf, 168, 186
- BESK (*Binär Elektronisk Sekvenskalkylator*) computer, 97–100, 114, 117
- Biermann, Frank, 16
- Big World, Small Planet: Abundance within Planetary Boundaries* (Rockström & Klum), 265
- Bildt, Carl, 60
- Billner, Börje, 135, 138, 145
- biogeochemistry, 271
- biosphere, 87
- Bjerknes, Jacob, 109
- Bjerknes, Vilhelm, 91, 105, 109
- Blavatsky, Anna Helena, 272
- Blix, Hans, 28, 155
- Board of Computing Machinery, 107
- Bohn, Viveka, 74
- Bolin, Bert, 99, 219
 - acid rain case study, 148
 - and AGGG, 192
 - approach to climate change, 220
 - atmospheric chemistry, 102
 - as authority on biogeochemistry, 206–207
 - on carbon tax, 64
 - career, 89, 121–122
 - on computer modelling, 170
 - conference reports, 182
 - death, 249
 - early years and education, 119–120
 - formation of climate governance institutions, 183
 - and IGBP, 207–210
 - and IMI, 88–89, 90, 119
 - and IPCC, 35, 200, 202, 203–204
 - legacy, 94
 - as meta-expert, 243
 - organization of conferences, 169, 179
 - and politicization of climate change, 188
 - reputation, 105, 119–120, 121, 169
 - as research student, 98–99, 100
 - as science diplomat, 121, 202, 220
 - SCOPE reports, 207
 - and SEI, 211, 214
 - and Villach-Bellagio conference 1987, 192
- Bolin, Richard, 119
- Borgström, Georg, 166, 238, 243
- Brand, Stewart, 299
- Brazil, 138
- Bretherton Diagram, 204
- Broadgate, Wendy, 268
- Brodin, Gunnar, 213
- Brohult, Sven, 129
- Bruce, Jim, 192, 196
- Brundtland Commission, 184, 189, 190, 196, 279
- Brundtland Report, 156, 184–185, 196, 279
- Brundtland, Gro Harlem, 184, 196
- Buch, Kurt, 102
- Budyko, Mikhail, 150
- Bush, Vannevar, 111
- Byers, Horace, 105
- Caldwell, Lynton, 6
- Callendar, Guy Stewart, 101
- carbon dioxide
 - effect on global warming, 97, 101–104, 142
 - tracking of atmospheric concentrations, 89
- carbon taxes, 31, 64
- Carl Gustaf XVI, *King*, 142, 174–175, 187, 294
- Carson, Rachel, 243
- Center Party, Sweden, 32
- Chadwick, Michael, 187
- Chakrabarty, Dipesh, 22
- Challenges of a Changing Earth Conference, Amsterdam 2001, 209, 227, 252
- Chalmers University of Technology, Gothenburg, Sweden, 281
- Charney, Jule, 97, 105, 120, 121
- Childs, Marquis, 5, 30, 61
- Christian Democrats, Sweden, 60

- Christian, David, 230
- CIA, Office of Scientific Intelligence (OSI), 113
- cities
- competition between, 323
 - global cities, 9–11
 - global green capitals, 9
 - green cities, 82, 324
 - role in policy, 323
 - why they matter, 22–26
- Clark, William, 192, 215, 250, 251, 252
- climate change
- 2 degree temperature target, 198–199, 257
 - anthropogenic climate change, 97, 104
 - carbon dioxide and global warming, 97, 104, 142
 - and climate crisis discourse, 220
 - drivers of, 170
 - as IGY topic of concern, 88
 - intertwined science and politics of, 122
 - mitigation and adaptation policies, 180
 - polar climate change, 110
 - policy implications of, 182
 - politicization of, 179–184, 190, 191
 - promotion as issue of global political relevance, 151
 - transnational climate change, 94–97
- climate science
- advancing through scientific activism, 191–201
 - cutting-edge research at Stockholm University, 120
 - institutional foundations, 89–90
 - institutionalization, 119, 121–122, 124
- Club of Rome, 175
- Earth3 report, 282
 - Limits to Growth report, 147, 235, 273, 278, 279, 282
- Cold War, Arctic as hot zone, 86, 110
- Committee for Research and Factual Issues (*Kommittén för forskning och andra sakfrågor*, CRF), 145, 147, 152
- Committee on Atmospheric Sciences, 120
- Commoner, Barry, 159, 160, 162, 166, 243
- conceptualizing work, 38, 309–310
- connecting with others, 38–39, 306–307, 317–318
- connection, concept of, 37–41
- contributory expertise, 38
- convening power, 39, 107, 192, 197, 252–253, 254, 307–308, 317–318
- Convention on Long-Range Transboundary Air Pollution, 29, 176
- con-words, 37–41, 306–310
- COP15, 256
- Copenhagen Accord, 199, 257
- Cornell, Sarah, 267
- Croll, James, 223
- Crosby, Alfred W., 228–229
- Crumley, Carole, 254
- Crutzen, Paul, 63, 90, 163, 164, 194, 199, 224, 257–258, 268
- cryosphere, 87
- Dag Hammarskjöld Foundation, 39
- Dahl, Birgitta, 74, 202, 210, 212
- Dahlem Conference, 2005, 224, 226, 230
- Dalai Lama, 288
- Daléus, Lennart, 32
- Daniel Guggenheim Fund for the Promotion of Aeronautics, 95–96
- Danielsson, Tage, 70, 71
- Dasgupta, Partha, 210, 214, 215, 247, 248
- Davos Man, 265, 287
- Davos, Switzerland, 265
- Dawkins, Richard, 271
- Declaration on the Human Environment (Stockholm Declaration), 28, 35, 125, 145, 154–155
- Degefa, Worknesh, 192
- Denmark, 87, 114, 313
- Developing Policies for Responding to Climate Change* report, 198
- Development Dialogue* journal 32
- Diamandis, Peter, 270
- DIVERSITAS, 209
- Döös, Bo, 183
- Doughnut Economics, 263, 276, 282
- Dryzek, John, 41
- Dubos, René, 27, 156, 158
- Earth System science. *See also* Planetary Boundaries
- enduring links to Stockholm, 5, 164
 - establishing international hub in Stockholm, 206–210
 - institutionalization, 107, 204–205
 - integrative approach, 224
 - meetings, 224
 - policy relevance of global change research, 205
 - rise of, 40, 68

- Earth System science (cont.)
 understanding of human-earth
 relationship, 229, 231
- Earth System Science Partnership (ESSP),
 209, 210
- Earth System trends, 226
- Earthwatch, 154
- Easterbrook, Gregg, 62
- ecocide, 157, 293
- ecological economics, 247
- Ecological Economics* journal, 214
- ecological modernization, 277
- Ecological Research Committee, 153
- ecological resilience, 215, 216
- eco-modernism, 57–58, 273
- Edberg, Rolf, 125, 168
- Egnér, Hans, 127
- Ehrlich, Paul, 159, 166, 214, 215, 243, 248
- Ekman, Bo, 220, 237
- Engelke, Peter, 226
- Engfeldt, Lars-Göran, 35, 141, 142, 145,
 146, 174
- Engström, Arne, 145
- ENIAC computer, 99
- environment
 concept of human environment, 1–4,
 136, 160, 162, 296
 and development, 160, 178
 history of concepts of, 124–125, 228, 272
 integrative aspect, 37–38
 as issue of social change, 66
 neoliberalization of, 277–279
 as problematic and challenging, 10–11
 US armed forces understanding of the, 109
 environmental expertise, 71–72
 environmental governance. *See also* global
 environmental governance (GEG)
 adaptive management, 246
 human dimension of its history, 3–4
 place of ‘governance’ in, 276
 planetary framing of challenges facing
 humanity, 288
 environmental issues, public awareness in
 1960s, 124–125
 environmental journalism, 70, 74
 environmental movement, co-existence of
 Swedish state with, 59
 environmental politics, globalisation of, 141
 environmental problems, transboundary
 nature of, 123, 126, 139, 149, 166,
 172, 304
 environmental protection
 concerns of developing countries over, 147
 measures derived from economics, 276
 environmentalism
 critiques of, 66
 early contributions in Sweden, 54
 feminism and, 74, 131, 133
 of the rich, 321–324
 and science in Sweden, 32–35
 Eriksson, Erik, 127, 128, 150, 153, 207, 208
 Erlander, Tage, 109, 134, 317
 European Air Chemistry Network (EACN),
 127–128
 European Union, climate policy, 199
- Fagerberg, Sven, 66
- Falkenmark, Malin, 5, 74, 166
- Faucheux, Sylvie, 251
- Febvre, Lucien, 272
- Fehrm, Martin, 71
- feminism and environmentalism, 74,
 131, 133
- Ferguson, Howard, 192, 196
- Finland, 87
- Flohn, Hermann, 150
- Folke, Carl, 233, 234, 236, 237, 248,
 249, 288
- Forsse, Anders, 153
- Fourth Industrial Revolution (4IR), 284
- France, 138
- Francis, *Pope*, 262
- Fridays for Future movement, 290
- Friends of the Earth, 202
- friluftsliv (out of doors), 51–52
- Future Earth research program, 39, 210
- Future Earth Secretariat Stockholm, 208,
 210
- future studies, 65
- Gaffney, Owen, 223, 232, 269–270, 285
- Gaia, 271–273
- Gandhi, Indira, 160, 161
- Gapminder Foundation, 5
- Garcia, Rolando V., 120
- GARP. *See* Global Atmospheric Research
 Program (GARP)
- gender diversity, and environmental
 progress, 72–75
- geoengineering, 257–258, 260–261
- geophysical research, Swedish reputation
 for, 87–88
- George, Henry, 133
- Gerholm, Tor Ragnar, 66

- German Marshall Fund, 195
- Gillberg, Björn, 32
- Gleick, Peter, 198
- Global Atmospheric Research Program (GARP), 120, 121
 1967 conference, 119, 121–122
 1974 conference, 169–171
- Global Change* magazine, 209
- global change movement, 215
- global cities, 9–11
- global environmental diplomacy, 162
- global environmental governance (GEG)
 conceptual developments, 38
 contributions of Stockholm, 315–318
 contributions of Stockholm to, 179, 297–298
 convening of meetings, 39
 fundamental principle, 238
 in the future, 324–326
 history of advances in, 15–18
 international networks, 38
 key arenas, 19, 21
 legacy of Stockholm Conference, 2
 literature on history of, 41–44
 periods in evolution of, 35–37
 primary method of, 300
 progress towards sustainable environment, 299–300, 301
 role of key ‘architects’, 37–41
 role of Stockholm in evolution of, 300–306
 studying historically, 18–22
 Sweden’s role in, 31
- global environmental monitoring, 151–154, 162
- global green capitals, 9
- Global Network of Environmental Monitoring (GNEM), 153–154
- global warming, 97, 101–104, 110, 142
- Goldsmith, Edward, 235
- Goodman, Gordon
 and Beijer Institute, 169, 184–187, 189, 212
 and Brundtland Commission, 189, 190, 191
 death, 249
 at Rättvik Conference, 188
 and SCOPE report 1, 153
 and SEI, 198, 201, 212
 and Villach-Bellagio conference 1987, 192, 194, 197
- Gordon, Line, 254
- Gore, Al, 103, 122, 217, 220, 288
- Gothenburg Protocol, 29
- Gothenburg University, 281
- Granat, Lennart, 148
- Great Acceleration
 coining of term, 226
 emergence of idea, 224
 Keeling curve and, 104
 natural resource extractivism during, 273
 tipping points and, 238, 285
- Great Acceleration graphs, 226, 268
- green cities, 82
- Green *Folkhem*, 60–63, 244–245
- Green Party, Sweden, 32, 60, 63, 75, 211
- Greenhouse effect, 63, 101
- greenhouse gas emissions, 180
- greenhouse gases, research into, 103–104
- Greenpeace Nordic, 32, 319
- Gren, Ing-Marie, 248
- Guhu, Ramachandra, 6, 42
- Gustafson, Torsten, 109
- Guterres, António, 294
- Hajer, Maarten, 57, 62, 277–279
- Halbwachs, Maurice, 21
- Hambraeus, Birgitta, 74
- Hamilton, Clive, 258–259, 260–261
- Hammarskjöld, Dag, 309, 315
- Hansen, Jim, 217, 221, 222
- Hansson, Per Albin, 61
- Haraway, Donna, 56
- Hardin, Garrett, 243
- Hare, Ken, 192
- Hayashi, Y., 188
- Heidenstam, Verner von, 49
- Heimat movement, 60
- Helsinki Convention 1974, 166
- Heyerdahl, Thor, 158
- Higgins, Polly, 157
- history
 and memory, 21
 timescales of human history, 230
- Hofsten, Angelica von, 71
- Holdren, John, 166
- Hollander, Jack, 165, 188
- Holling, C.S., 215, 246, 248, 253, 254
- Holocene stability, 231
- homeostasis, 272
- Hultqvist, Bengt, 85, 115
- human environment
 dimensions of, 296
 history of concept, 1–4, 136, 228

- human environment (cont.)
 history of disasters, decline and decay, 11–15
- humanities, contribution to
 widening the social space of the environment, 72
- hydropower dams, 69
- India, 138
- Ingelstam, Lars, 147, 148
- Integrated History and Future of People on Earth (IHOPE network), 224
- Intergovernmental Panel on Climate Change (IPCC), 5, 23, 35, 121, 170, 200
 first assessment report, 200, 201–204
 second assessment report, 203
 Sundsvall meeting 1990, 201–204
- International Biological Program (IBP), 153, 205
- International Council of Scientific Unions (ICSU), 39, 120, 121, 170, 171, 183, 206, 253
- International Federation of the Institutes of Advanced Studies (IFIAS), 177–179
- International Geophysical Year (IGY)
 programme 1957/58, 84–87, 102, 104, 205, 207
- International Geosphere-Biosphere Programme (IGBP), 5, 39, 207–210, 224
- International Human Dimensions Programme on Global Environmental Change, 209
- International Institute for Applied Systems Analysis (IIASA), 9, 30, 169, 193
- International Institute for Energy, Resources and the Human Environment, 167
- International Institute of Environmental Affairs, 158
- International Meteorological Institute (IMI), 39, 88, 89, 90, 97, 119, 180
- International Polar Year (IPY) program, 84
- International Population Institute, 158
- International Society for Ecological Economics, 214
- International Study Conference on the Physical Basis of Climate and Climate Modelling, 170
- International Union of Geodesy and Geophysics, 120
- Jaeger, Jill, 183, 192, 193–194, 193, 198, 199, 201, 212, 251
- Jagger, Bianca, 217
- Jansson, Ann-Mari, 214, 215, 248
- Jansson, Bengt-Owe, 214, 248
- Jenkins, Dale, 153
- Johnson, Keith, 156
- Journal of Meteorology*, 97
- Journal of the Atmospheric Sciences*, 97
- Joyce, J. Wallace, 85
- Karolinska Institute, 85, 117
- Kassas, Mohamed, 158
- Keeling, Charles David, 103
- Keeling curve, 89, 103–104
- Kellogg, William, 150
- Kenya Academy of Science, 189
- Kenya Ministry of Energy, 189
- Kenyatta, Uhuru, 294
- King, Alexander, 176
- Kiruna Geophysical Observatory (KGO), 84–86, 87, 115, 116
- Kjellén, Bo, 219
- Klum, Mattias, 265
- knowledge
 environmental expertise, 71–72
 environmental knowledge stimulated by media controversies, 65–66
 history of, 64
 role in Sweden's environmental turn, 64–68
 situated nature of, 23, 24
- knowledge clusters, 77
- Koch, Karin, 132
- Kristoferson, Lars, 167, 168, 212, 214
- Kropotkin, Peter, 133
- KTH Environmental Humanities Laboratory, 282, 311
- KTH Royal Institute of Technology, 117
- Kurzweil, Ray, 270
- Kyoto Protocol, 77, 203, 220
- Lachmund, Jens, 25
- Lagerlöf, Selma, 45–48
- Latour, Bruno, 23
- Lee, James, 152
- Lenton, Tim, 237, 271
- Levin, Simon, 247, 248
- Liberal Party, Sweden, 63
- Lie, Trygve, 309
- Limits to Growth* report, 234, 273, 278, 282

- Lindahl-Kiessling, Kerstin, 214
 Lindh, Anna, 28, 29, 74
 Lindhagen, Anna, 73
 Linköping University, 282
 Linnaeus, 58
 Liverman, Diana, 221, 222
 Lönnroth, Ami, 74
 Lönnroth, Måns, 199
 Lovelock, James, 217, 271, 272
 Lovins, Amory, 166
 Lubchenco, Jane, 251
 Lund University, 282
 Lundholm, Bengt, 123, 129, 152–154,
 162–163, 186
 Lynas, Mark, 217, 237, 258–260, 261–262
- Mabogunje, Akin, 251
 MacNeill, Jim, 178, 190, 191, 199
 Mäler, Karl-Göran, 64, 210, 214, 215,
 247, 248
 Malone, Thomas, 120, 206, 207
 Manabe, Syukuro, 150
 Margulis, Lynn, 271, 272
 Massachusetts Institute of Technology
 (MIT), 149
 Mathews, Jessica, 199
 McCormick, John, 6, 42, 123
 McKibben, Bill, 217, 243
 McNeill, John R., 164, 225, 226, 268
 Mead, Margaret, 137, 158
 memory and history, 21
 meta-expertise, 242–246
 Meteorological Institute of Stockholm
 University (MISU), 97, 113, 114, 120
 Mistra foundation, 175, 232, 240, 249,
 250, 311
 Moberg, Åsa, 74
 Moderate Party, Sweden, 60
 Moi, Daniel arap, 174
 Montreal Protocol, 12, 31, 63, 196
 Munro, Robert, 178
 Museum of National History,
 Stockholm, 117
 Myrdal, Alva, 73, 133, 135, 306, 316, 317
 Myrdal, Gunnar, 158
- Nairobi, Kenya, 161
 NASA (National Aeronautics and Space
 Administration, United States), 204
 Nash, Roderick, 13
 national parks, 46, 280
 National Science Foundation (NSF), 84, 85
- Natural Science Research Council
 Ecological Research Committee, 152
 nature
 connections with welfare, 51–53, 54
 political arithmetic's portrayal of, 58
 race and biology, 54–56
 nature conservation
 in German Nazi ideology, 55
 as Swedish national issue of highest
 order, 48–50
 neoliberalism, 62, 276
 Neumann, John von, 96, 97, 98, 100,
 270
 Nilsson, Sam, 176
 nitrogen and eutrophication, 101
 Nobel Foundation, 76, 288, 310–311
 Nobel Institute, 107
 Nobel Laboratory of Physical
 Chemistry, 117
 Nobel prizes, 76, 168
 Noone, Kevin, 233, 236, 241
 Nordic Conference on Soil and Water
 Pollution, 1966, 125
 Nordic Defense Union, 114
 Nordic Environmental Protection
 Convention, 125
 Nordic exceptionalism, 312
 Nordic model, 312, 313
 Nordström, Ludvig, 70
 Norinder, Harald, 106, 108, 109
 Norway, 87, 114, 313
 Norwegian-British-Swedish Antarctic
 Expedition (NBSX), 111
 nuclear weapons testing
 need for scientific intelligence, 111, 116
 need for weather predictions, 96
 Nykvist, Björn, 241
- O'Riordan, Tim, 251
 Observation Hill, Stockholm, 106
 Odén, Birgitta, 71, 74
 Odén, Svante, 71, 124, 127, 126–129, 148
 Odum, Howard T., 167
 OECD
 on acid rain, 129
 International Conference on Environment
 and Economics, 1984, 278
 Office of Naval Research (ONR), 112
Only One Earth (Stockholm Conference
 report), 27–28, 156
 Oppenheimer, J. Robert, 96
 Oppenheimer, Michael, 192

- Örn, Torsten, 142
 Oslo, Norway, 82, 117
 Ostrom, Elinor, 254
Our Future in the Anthropocene Biosphere
 report, 288–289
 Our Planet, Our Future summit, 2021,
 288–289
 Owens, Susan, 44, 240
 ozone depletion, 62–63, 90, 181
- Paglia, Eric, 297
 Palme, Olof, 34, 58, 62, 134, 143, 157,
 158, 293, 295, 303, 317
 Palmstierna, Hans, 122, 126, 130,
 129–131, 133, 138–139, 140, 145,
 163, 295
 papal encyclical on the environment, 262
 Paris Agreement, 257
 Peccei, Aurelio, 158, 176
 Pekeris, Chaim, 102
 Persson, Åsa, 232, 233, 236, 237, 241
 Persson, Göran (Swedish government
 administrator of environmental
 issues), 123
 Persson, Göran (Swedish Prime Minister,
 1995–2006), 61, 62, 217, 244
 Petri, Lennart, 142
 Phillips, Norman, 99
 Pisharoty, Pisharoth Rama, 150
 Planet Under Pressure Conference, London
 2012, 210, 263
 Planetary Boundaries 2.0, 262–264,
 265, 268
 Planetary Boundaries concept, 222–225,
 231–238, 239, 240–242, 245–246,
 273, 289
 Planetary Boundaries debate
 lack of level playing field, 274
 politics of boundary concept, 274
 roots of, 272–273
 Planetary Boundaries diagram, 241–242,
 241, 282
 Planetary Boundaries framework, 5, 38,
 222, 223, 239, 241, 245, 255, 256,
 262–264, 268, 276
 Planetary Boundaries project, 254–257
 Planetary Boundaries research, 267
 planetary metaphysics, 267–271
 Plass, Gilbert, 97
Plunder, Famine, Poisoning (Palmstierna),
 122, 126, 129–131, 140
 polar climate change, 110
- populist politics, 298
 Princeton Computer Project, 96, 98, 99,
 100, 113, 114
 public intellectuals, contribution to
 widening the social space of the
 environment, 70–71
- Ramel, Stig, 168
 Randers, Jörgen, 282
 Raskin, Paul, 188
 Rättvik Conference on Environmental
 Research and Management Priorities
 for the 1980s, 177–179, 188
 Raworth, Kate, 263, 276, 282, 283
 realist sustainability, 56–60
 regime shifts, 234, 238
 Reichelderfer, Francis W., 95
 resilience, 215, 216, 246–248
 Resilience 2008 Conference, 253–254
 Resilience Alliance, 246, 247, 248, 253
 Revelle, Roger, 97, 103
 Richet, Charles, 234
 Right Livelihood Award, 311
 Rio Earth Summit, 175, 203, 212
 Rio+20 summit, 210
 Ripert, Jean, 203
 Rockefeller Brothers Fund (RBF), 190–191,
 195, 201
 Rockefeller Foundations, 310
 Rockström, Johan, 222, 242, 266
Big World, Small Planet, 265
Breaking Boundaries, 285
 as meta-scientist, 243
 on Planetary Boundaries, 223, 232,
 242, 245
 and SEI, 221, 232, 249
 and SRC, 240, 249
 and Tällberg Forum, 233
 and Villa Brevik meeting, 237
- Rodhe, Henning, 63, 148
 Roosevelt, Theodore, 56
 Rosling, Hans, 5, 301
 Rossby, Åke, 99
 Rossby, Carl-Gustaf, 35, 92
 career, 94–97, 98, 100, 101–103, 127
 death, 88, 104
 legacy, 91, 94
 reputation, 91, 96, 243
 as research director, 105
 return to Stockholm, 105–106,
 108–114
 as visionary, 104, 106–108

- Rosswall, Thomas, 208, 214, 253
- Rotschild, Emma, 213
- Royal Carl XVI Gustav professorship, 175, 240
- Royal Colloquium, 175
- Royal Institute of Technology, KTH, Stockholm, 98
- Royal Swedish Academy of Engineering Sciences, 149, 165
- Royal Swedish Academy of Sciences
Ambio journal, 90, 163
 as authority on nature protection, 46
 and Beijer Institute, 168, 187, 319
 conferences organized by, 63, 149, 166, 177
 Future Earth Secretariat Stockholm, 39, 210, 263, 269, 319
- Rydbeck, Olof, 142
- Saltsjöbaden symposium 1982, 214
- Saltsjöbaden Workshops, 29
- Samfundet för hembygdsvård (SfH) (Society for Heimat), 60
- Sami people, 33, 55, 59, 84, 295
- San Francisco Bay Area, environmental history, 24, 82
- Sápmi*, 84
- Sassen, Saskia, 9
- Schellnhuber, Hans Joachim, 239, 257, 258, 262
- Schneider, Stephen, 150, 166, 215
- Schrager, Mike, 232, 233
- Schumacher, E. F., 167
- science
 and environmentalism in Sweden, 32–35
 history of, 64
 situated nature of, 23, 24
- scientific activism, advancing climate science, 191–201
- Scientific Committee on Problems of the Environment (SCOPE), 168
 Commission on Monitoring, 153
 report on global environmental monitoring, 151–154, 186
 report on greenhouse effect, climate change, and ecosystems, 183
 report series, 152, 208
- Second World Climate Conference, Geneva 1990, 196, 201
- Seeds of a Good Anthropocene project, 263
- de Seynes, Phillipe, 133
- Sievert, Rolf, 85, 117
- Silent Spring* (Carson), 122, 124
- Singularity University, 270
- Social Democratic Party, Sweden, 34, 57–58, 60, 211, 295
- Social nature protection, 51–52
- social-ecological systems, 246, 247
- Söder, Karin, 213
- solar radiation management, 257–258
- Soller, Barbro, 70–71
- Solow, Robert, 188
- Sörlin, Sverker, 233, 234, 236, 237, 254, 297
- Soviet Academy of Sciences, 165
- Soviet-Swedish Symposium on the Pollution of the Baltic, 165
- Soviet-Swedish Working Group on Problems of the Human Environment, 165
- Speth, James Gustave, 178, 190
- Stafford-Smith, Mark, 275
- Steffen, Will, 164, 221, 222, 223–224, 225, 236, 237, 241, 268, 269, 274
- Stemme, Erik, 98
- Stockholm accelerator, 107
- Stockholm Conference. *See* United Nations Conference on the Human Environment 1972 (Stockholm Conference)
- Stockholm Conference on the Acidification of the Environment, 1982, 176
- Stockholm Convention on Persistent Organic Pollutants, 29
- Stockholm Declaration. *See* Declaration on the Human Environment (Stockholm Declaration)
- Stockholm Environment Institute (SEI), 5, 39, 107, 167, 187, 188, 198, 201, 210–213, 232, 248, 319
- Stockholm exhibition, 1930, 52, 53
- Stockholm Högskola. *See* Stockholm University
- Stockholm International Institute of Environmentally Sound Technologies Assessment (SIIESTA), 212
- Stockholm International Water Institute (SIWI), 318
- Stockholm Resilience Centre (SRC), 5, 39, 107, 167, 216, 222, 232, 233, 248, 252, 255, 265, 267, 281, 282, 319

- Stockholm University
 as central node in evolution of climate science, 89, 94
 Department of Meteorology, 109, 148, 163, 183, 194
 location, 117
- Stockholm, Sweden
 as a centre of knowledge production, 76–81
 contributions to evolution of GEG, 3–4, 297–298
 Elm Conflict, 26, 320
 as global hub for Earth System science, 206–210
 as global hub for GEG, 8–11, 179, 244, 315–318
 as Green Capital of Europe, 82, 324
 as place of environmental memory, 16–18
 research and higher education institutions, 78–81
 rise as global environmental hub, 117–118
 role in evolution of GEG, 2, 300–306
 significance for GEG, 4–7
 in summer of 1972, 18
 as ultimate smart and creative city, 81–83
 Vallhallavägen, 80
- Stockholm+10 Conference, Nairobi, 173–174
- Stockholm+25, 28
- Stockholm+40, 28
- Stockholm+50, 28, 292–295, 298
- Stråth, Bo, 61
- Strindberg, August, 48
- Strong, Maurice, 144
 and Beijer Institute, 188
 keynote address at Rättvik Conference, 178
 and Stockholm Conference, 143, 153, 156, 158
 and Stockholm Declaration, 155
 and Stockholm+25, 28
 and UNEP, 161, 162
 UNEP Gold Medal award, 174
- Study of Man's Impact on Climate (SMIC), 149–151, 170
- Sundberg, Kaj, 142
- Sundsvall, Sweden, 202
- Suomi, Verner, 120
- sustainability science, 250–252
- Sustainability Science Workshop, Friibergh Manor 2020, 251–252
- sustainable development, 62, 156, 184
- Suzuki, David, 243
- Svalbard, Norway, 117
- Svedin, Uno, 237, 251, 254
- Svensson, Göte, 183, 211
- Svensson, Sören, 153, 186
- Sverdrup, Harald Ulrik, 112
- Sweden. *See also* Stockholm, Sweden
 carbon tax, 31, 64
 deferring from state to society, 318–321
 as democratic template, 30
 devolution, 321–324
 environment and climate policy, 4, 28, 33, 277–279, 296
 environmental politics, 64, 66–68
 environmental reawakening, 211
 environmental turn, 64, 66–68, 71, 124, 125, 131
 and evolution of GEG, 30
 foreign policy, 30, 188, 303, 304, 321
 gender diversity and environmental progress, 72–75
Green Folkhem, 60–63, 244–245
 hollowing out of green state, 289–291, 322
 industrialization and emigration, 48
 internationalism, 30, 33, 76, 316–317
 military strength, 87, 309
 neutrality, 65, 75, 87, 114, 309, 312
 public awareness of environmental issues in 1960s, 124–125
 research funding, 311–312
 role in GEG, 31
 science and environmentalism, 32–35
 science and scholarship policy, 3
 science diplomacy at UN, 131–137
 scientific excellence, 76, 113
 security policy collaboration with the US, 106, 114
 self-conception as a progressive pioneering country, 75
 solidarity, 303–304, 312
 state of nature in early twentieth century, 47–48
 Torekov Compromise, 79–80
 as world conscience, 302
- Sweden–America Foundation, 95
- Swedish Air Force, 98, 100, 106, 107, 114
- Swedish Board of Computing Machinery, 99
- Swedish environmental exceptionalism, 312–315

- Swedish Environmental Research Institute, 125
- Swedish exceptionalism, 53–54
- Swedish *Folkhem*, 244
- Swedish identity, 50
- Swedish Institute for Space Physics, 115
- Swedish International Development Cooperation Agency (Sida), 302, 316
- Swedish Meteorological and Hydrological Institute (SMHI), 93, 106, 119
- Swedish model, 61, 75
- Swedish National Defence Radio Establishment (FRA), 99
- Swedish National Environmental Protection Agency, 125, 165
- Swedish nationalism, role of nature in, 49–56
- Swedish Research Council, 30, 251
- Swedish Society for Nature Conservation (SSNC), 46, 51, 60, 64, 318, 319
- Switzerland, seminar in Founex, 156–157
- Talbot, Lee, 152
- Tällberg Forum gatherings, 220
2006, 232
2007, 232, 244
2008, 221–222, 233, 237–238, 239, 244
- Tällberg Foundation, 220, 232
- Tällberg, Sweden, 220, 221
- Tamm, Elisabeth, 71
- Targets and Indicators of Climate Change* report, 198
- Taube, Evert, 71
- Tellus* journal, 39, 89, 97, 104, 107, 128, 271
- Tepper, Morris, 120
- Thomas, Julia Adeney, 43
- Thompson, Philip D., 113
- Thorsson, Inga, 73, 132, 131–137, 163, 166, 316
- Thunberg, Greta, 5, 72, 104, 243, 245, 284, 286, 285–287, 290, 319
- tipping points, 139, 221, 233, 237, 238
- Tiselius, Arne, 175
- Tolba, Mostafa, 174, 180, 181, 183, 192, 196, 211
- transformation, 288–289
- Transition Town movement, 324
- Ulriksdal Palace, Stockholm, 175
- Umeå University, 282
- UN Climate Action Summit, New York 2019, 287
- UN Committee on the Peaceful Uses of Outer Space, 163
- UN Economic and Social Council (ECOSOC), 133, 135, 140
- UN Economic Commission for Europe, 133
- UN Intergovernmental Panel on Climate Change (IPCC), 89
- UN Secretariat Office for Science and Technology, 146
- UN Sustainable Development Goals (SDGs), 20, 210, 276, 288, 289
- UN World Population Conference 1974, 166
- United Kingdom, 138
- United Nations Conference on the Human Environment 1972 (Stockholm Conference)
Action Plan, 151, 154, 170, 174
big picture brainstorming event, 158
boycott by most Eastern Bloc countries, 155
Declaration on the Human Environment, 28
delegates and attendees, 155
demonstrations near venues by activists, 160
Distinguished Lecture Series for Conference delegates, 158
Environment Forum, 157, 158–160
human environment concept, 1
Indira Gandhi address to plenary session, 160, 161
institutional legacy, 161
intellectual basis, 135
legacy, 28, 292, 298, 308
national environmental reports and case studies, 146–147
objectives, 136, 137, 145, 146
opening speech, 157
overarching principle, 145
People's Forum, 157–158
place in evolution of GEG, 2, 8
plenary, 158
pre-conference regional seminars, 156
preparations for, 122, 129, 143–147, 156
proposal for, 34, 122
report (*Only One Earth*), 27–28, 156
Sweden's case study on acid rain, 148–149
transport options, 160

- United Nations Environment
 Programme (UNEP), 23, 35, 39,
 63, 161–162, 170, 171,
 174, 183
- United Nations Framework Convention
 on Climate Change (UNFCCC), 198,
 199, 200, 203
- United Nations General Assembly
 adoption of Stockholm Declaration,
 35, 155
 resolution 2398 *Problems of the
 human environment*, 35, 122, 141
 resolution 45/212 *Protection of global
 climate for present and future
 generations of mankind*, 203
 resolution to establish UNEP, 161
 Swedish science diplomacy, 135–137
- United Nations Symposium on Population,
 Resources and Environment,
 Stockholm 1973, 166
- United States, military funding for
 MISU, 113, 114
- Uppsala University, 94, 120, 282
- Uppsala, Sweden, 76, 78, 106, 109
- US Air Force, 113, 115, 116
- US Air Force Cambridge Research Center
 Space Group, 116
- US Air Research and Development
 Command, 112
- US Navy, 112
- US Weather Bureau, 93, 95
- van Allen, Abbie, 84
- van Allen, James A., 84
- Vellinga, Pier, 198, 199
- Vernadsky, Vladimir, 272
- Victoria, *Crown Princess*, 74, 175, 294
- Vienna Convention for the Protection of
 the Ozone Layer, 181
- Vienna, Austria, 9
- Villa Brevik meeting, Lidingö 2008, 237
- Villach Conference, 1985, 179–184, 197
- Villach, Austria, 9
- Villach-Bellagio conference 1987, 191–201
- Vindelälven River, Sweden, 69
- Vogt, William, 243
- Volvo Environment Prize, 311
- W. Alton Jones Foundation, 195, 201
- Wagner, Elin, 68–69, 71, 131, 132, 133
- Wahman, Tom, 190, 196
- Walker, Brian, 247
- Walker, Richard, 24
- Wall, Anders, 212
- Wallén, Axel, 110
- Wallén, C. C., 192, 199
- Wallenberg Foundation, 214
- Ward, Barbara, 27, 156, 158
- warfare, weather forecasting and, 109
- Warrick, Richard, 183
- Water Stress Indicator, 5
- welfare, connections with
 nature, 51–53, 54
- White, Gilbert, 188
- Wijkman, Anders, 283
- Wikström, Jan-Erik, 212
- Wilson, Carroll, 150, 158, 169
- women, role in environmental progress,
 72–75
- The Wonderful Adventures of Nils*
 (Lagerlöf), 45–46
- Woodwell, George, 192
- World Climate Conference, Geneva
 1979, 171
- World Climate Programme, 39, 121, 171,
 180, 197
- World Climate Research Programme, 121,
 207, 209
- World Commission on Environment and
 Development (WCED) (Brundtland
 Commission). *See* Brundtland
 Commission
- World Conference on the Changing
 Atmosphere, Toronto 1988, 196
- World Economic Forums (WEF), Davos,
 265, 284, 287
- World Meteorological Organization
 (WMO), 23, 35, 121, 170, 171, 183
- Wormbs, Nina, 254
- World Resources Institute, 179, 190
- WWF Sweden, 174, 175, 319
- Yates, Dan, 111
- Zuckerman, Solly, 124, 158