

Name Index

A

Abercrombie, P., 60
Agrawal, A., 22
Aleksandrowicz, L., 165
Alkadri, M.F., 109
Amcoff, J., 100
Andersen, P.S., 101, 102
Aranguiz, R., 135
Arico, S., 18
Arrow, K.J., 155
Asai, H., 106
Ashihara, Y., 68, 85
Auestad, N., 164
Avelino, F., 44, 45

B

Baccarne, B., 36
Balassa, B., 155
Bammer, G., 9
Barbieri, C., 101
Barth, M., 20
Bell, S., 103
Benford, R.D., 8, 109
Berkhout, F., 22
Bettencourt, L.M.A., 5
Bidone, E.D., 41
Bindoff, N.L., 143
Björklund, J., 102
Black, R.E., 162–164
Blumer, H., 25, 26
Bommarco, R., 158
Borlaug, N.E., 157
Bourdieu, P., 25, 26, 103, 104
Bowen, R.E., 40
Brown, K., 25

Buhr, K., 36
Bulkeley, H., 44
Burns, H.L., 36

C

Caffyn, A., 100
Cash, D.W., 18, 36, 44
Cazenave, A., 146
Chapin, F.S., 5
Chong, D., 9
Clark, M., 165
Clark, W.C., 4, 5, 8, 20, 36, 99
Clarke, S., 22
Cornia, J., 155
Crnogaj, K., 44

D

Dabson, B., 100
Dahlstrom, M., 100
Daniell, K.A., 44
Dasgupta, P., 99
Debreu, G., 155
Devia, G.K., 27
Di Lucia, L., 44
Diamond, J., 22
DiMaggio, P., 25
Doheny, S., 102
Drèze, J., 154
Dupré, J., 22

E

Eckersley, R., 29
Erb, K.H., 158, 165

Esteban, M., 134, 140–143, 145, 147, 178
 Evans, J., 36
 Evenson, R.E., 159

F

Fabricious, K.E., 147
 Fast, S., 109
 Fiksel, J., 4
 Fligstein, N., 25, 26
 Foley, J.N., 158
 Fraser, J.C., 109
 Friel, S., 165
 Fujii, S., 167
 Fujita, Y., 100
 Fulgoni, V.L., 164

G

Gamson, W., 8, 26, 109
 Gari, S.R., 41
 Garnett, T., 158
 Gaud, W.S., 157
 Geels, F.W., 22, 44, 45
 Giampietro, M., 8
 Gibbons, S.J.A., 145
 Gibson, C.C., 44
 Gittleman, M., 87
 Giupponi, C., 40
 Goffman, E., 8, 109
 Gollin, D., 159

H

Haddad, L., 163, 164
 Hage, J., 19
 Hägerstrand, T., 45
 Harper, S., 98
 Hatt, K., 23
 Havlik, P., 101
 Hay, C., 21, 23, 24
 Hellenier, G.K., 155
 Hibbert, P., 19
 Hiramatsu, M., 5
 Hollingsworth, J.R., 19
 Holmes, J., 100, 101
 Horton, R., 162
 Howard, E., 59, 60
 Howe, J., 89
 Hruska, T.V., 47
 Hume, B.C.C., 147
 Hunt, D., 155
 Huylenbroeck, G. Van, 101, 102

I

Ilbery, B., 100
 Ionesco, D., 26
 Isgren, E.A., 19
 Ishimaru, N., 100, 106

J

Jacobs, J., 76
 Jameró, L., 146, 147
 Jayaratne, M.P.R., 139
 Jerneck, A., 5, 19, 20, 35, 176

K

Kajikawa, Y., 5
 Kallis, G., 29
 Kates, R.W., 4, 5, 8, 19, 35, 41, 99
 Kauffman, J., 18
 Keener, V.W., 145
 Kelble, C.R., 42
 Kellert, S.H., 22
 Kench, P.S., 147, 148
 Kinzig, A., 4
 Kljin, J.S., 41
 Komiyama, H., 4, 5, 99
 Kudo, S., 4–13, 98–115, 176–180
 Kumar, P., 25
 Kuramochi, H., 106

L

Ladyman, J., 10
 Lal, D., 155
 Lambin, E.F., 158
 Lamstein, S., 167
 Lang, D.J., 5, 19
 Larsen, S.C., 109
 Leach, M., 9
 Leeuw, S. VanDer, 5
 Lepofsky, J., 109
 Leslie, H.M., 47
 Levitt, P., 26
 Luyssaert, S., 158

M

Mabee, W., 109
 Mahoney, J., 25
 Mäki, U., 22
 Malthus, T.R., 156, 157
 Marsden, T., 101, 102
 Marshall, G.R., 47

Martens, P., 4, 99
 Martin, J.L., 25
 Mas-Colell, A., 155
 Masset, E., 164
 Matsumoto, R., 91
 McAdam, D., 26
 McGinnis, M.D., 47
 Meadowcroft, J., 23
 Meyfroidt, P., 158
 Michelsen, G., 20
 Middlemiss, L., 109
 Midgley, M., 22
 Mikami, T., 136
 Milbourne, P., 102
 Milestad, R., 102
 Miller, T.R., 19
 Mino, T., 4–13, 145, 176–180
 Minoura, K., 137
 Mitchell, S.D., 22
 Mitomo, N., 108
 Miyachi, T., 106
 Molinos-Senante, M., 44
 Mooney, C., 109
 Morgan, S.L., 102
 Mori, N., 138, 139
 Morris, S.S., 162
 Morse, S., 4, 103
 Murakami, S., 143, 177
 Murayama, A., 72, 73, 84

N

Naess, A., 29
 Nakai, N., 82
 Nakamura, Y., 84
 Nakazono, M., 106
 Ness, B., 35–51, 177
 Nevens, F., 36, 44
 Newton, A., 22
 Nguyen, D.T., 143
 Nicholls, R.J., 145, 146
 Niinuma, S., 100, 106
 Nisbet, M.C., 109
 Nobuoka, H., 143
 Noguchi, K., 100
 Norgaard, R.B., 22
 Norton, B., 8
 Nurkse, R., 155

O

Ogasawara, T., 136
 O'Higgins, T., 42
 Okata, J., 72

Oldenburg, R., 108
 Olsson, L., 5, 18–30, 176
 Oman, C.P., 155
 Ostrom, E., 4, 40, 46, 47

P

Pareschi, M.T., 135
 Parnwell, M.J.G., 105
 Parrish, B.D., 109
 Parsons, M., 22
 Partelow, S., 47
 Perch-Nielsen, S., 145
 Phillips, J., 4
 Phillipson, C., 100
 Pierce, J., 109
 Pothukuchi, K., 87
 Potter, C., 101
 Prebisch, R., 155
 Price, V., 8, 109

R

Rahmstorf, S., 143
 Rametsteiner, E., 103
 Reis, S., 42
 Renting, H., 101, 102
 Rice, J., 29
 Rigg, J., 105
 Ritzer, G., 25
 Rosa, E.A., 28
 Rosen, R., 4
 Rosenstein-Rodan, P.N., 155
 Rothenberg, D., 29
 Rotmans, J., 45

S

Sachs, J.D., 22
 Sala, S., 18
 Salas-Zapata, A., 20
 San Carlos, R., 135
 Santorini, D., 135
 Sasaki, H., 100
 Satanarachchi, N., 4
 Sawai, Y., 136, 137
 Scharf, T., 100
 Schewe, J., 144
 Schiller, N.G., 26
 Schneidewind, U., 36
 Schoolman, E.D., 5
 Schultz, T.W., 155
 Scott, W.R., 26
 Sen, A.K., 154

Senno, M., 98
 Shahadu, H., 5, 18, 19
 Shibayama, T., 138, 139
 Shinobe, H., 106
 Siedlok, F.F., 19
 Silverstein, M., 100
 Simpson, C., 147
 Singer, H.W., 155
 Sioen, G.B., 89
 Sluyter, A., 22
 Snow, D.A., 109
 Sonnino, R., 101, 102
 Spangenberg, J.H., 5, 19, 20
 Springmann, M., 165
 Stern, N., 29
 Stevens, C., 103
 Stillman, T., 167
 Swart, R.J., 4

T

Tacoli, C., 100
 Tahara, S., 87–89
 Takagi, H., 143
 Takegawa, T., 100
 Takeuchi, K., 4, 90, 99
 Tamasato, E., 106
 Taylor, P.W., 29
 Terada, T., 58–93, 177
 Thelen, K., 25
 Thören, H., 19, 22
 Tilzey, M., 101
 Tsimopoulou, V., 141
 Tsubota, K., 84
 Tsutsui, K., 100

V

Valdivia, C., 101
 van Kerkhoff, L., 20
 Vermeer, M., 143
 Viljoen, A., 89
 Vries, B.J.M. de, 4

W

Wacquant, L., 25
 Walker, B.H., 25
 Walsh, A., 22
 Warner, A.W., 22
 Watanabe, H., 136
 Webb, A.P., 147
 Weinstein, M.O., 5
 Wellstead, A., 22
 Westholm, E., 100
 Wiek, A., 5, 19, 36
 Wignaraja, G., 155
 Williamson, J., 155
 Wilson, G.A., 100, 102–106
 Wright, E.O., 29

Y

Yagasaki, N., 84
 Yamamoto, L., 140
 Yamamoto, S., 106
 Yamano, H., 147
 Yamao, S., 139
 Yarime, M., 6, 106
 York, R., 28

Subject Index

A

- Academia, 4, 5, 35, 142, 162
- Accessibility
 - food, 164
- Acidification of the oceans, 146–148
- Acidity, 147
- Action plan development, 9
- Actions, 4, 5, 9, 10, 12, 19, 26, 27, 30, 38, 45, 50, 78, 80, 106, 109, 113, 121, 122, 125, 127, 135, 138, 143, 155, 176–180
- Activism, 29
- Actors, 5, 9, 24, 25, 35, 37, 45, 46, 101, 134, 148, 160, 176, 178, 180
- Adaptability, 60, 69, 92, 93
- Adaptation measures, 134, 143
- Adaptive management, 5, 21
- Adulthood, 162
 - stage, 162
- Advantage, competitive, 19
- Advocacy, 167
- Aesthetic reasons, 141
- Affordability, food, 164
- Africa, 42, 147, 157, 160
- Aged farmers, 77
- Agential, 24
- Aging population, *see* Aging society
- Aging society, 7
- Agricultural Land Act of 1952, 68
- Agricultural policy, 102, 113, 114, 156, 168, 178
- Agricultural productivity, 156, 166
- Agricultural Promotion Region (APR), 83
- Agricultural Research Systems (NARS), 157
- Aims, 4–8, 10, 12, 13, 18, 22, 25, 26, 37, 39, 43, 51, 68, 82, 99, 100, 105, 114, 140, 154, 155, 162, 166, 168, 176
- Alliances, 167
- Allotment gardens, 85–87, 89
- Analysis, institutional, 25, 46
- Anthropogenic causes, 41
- Anti-modernity, 28–29
- Approach
 - comprehensive, 18, 50
 - integrated, 18
 - multimedia, 167
 - multi-sectoral, 164
 - participatory, 18, 37, 42, 167
 - theoretical, 19, 28
 - transdisciplinary, 164
- Area division, 72, 81–83
- Area division system (ADS), 81–83
- Argenteuil, Ile de France, 61, 63
- Arithmetic, 157
- Asia, 58, 93, 157, 158
- Asian cities, 58, 177
- Assumptions, 8, 10, 18, 20–23, 25, 26, 40, 109, 176
- Asymmetric information, 166
- Atoll islands, 143
- Attitudes, 77, 166, 180
- Attributes, 20, 47, 51, 105, 121
- Authority, 125, 140
- Availability, food, 42
- Awareness, 28, 112, 113, 128, 163
 - epistemological, 19
 - ontological, 19
 - theoretical, 19

B

- Barriers, 21, 25, 40, 91, 176
- Basic Needs approach, 155
- Bed-town communities, 81
- Behavior, 42, 154, 164, 166, 167
- Beliefs
 - ideological, 28
 - political, 28
- Benchmark, 141
- Bibliometric studies, 5
- Big Push, 155
- “Big Push” for economic, 155
- Biodiversity, 25, 90
- Biodiversity loss, 4, 8, 43, 158, 165
- Bio-fortification, 164
- Biogeochemical cycle, 158
- Biological habitat (destruction), 158
- Biology, 6, 148
- Biomass, 90, 91
- Bleaching, 146, 147
- Body size, 162
- Bohol Earthquake (2013), 146, 148, 178
- Borderless, 76
- Bottlenecks, 147
- Boundary, 7, 9, 18, 20, 27, 29, 36, 39, 42, 45, 59, 63, 65–67, 81, 92, 93, 176
 - administrative, 65
 - disciplinary, 18
 - physical, 10, 65
- Brazil, 163
- Breakwaters, 138–140
- Breastfeeding, 163
- Breeding technology, 160
- Brundtland Commission, 154

C

- Carbon emissions, 8
- Cardiovascular disease risk, 162, 165
- Cash, 29
- Casualties, 136, 137, 139
- Cause-and-effect relationships, 9
- Census of Marine Life (2010), 147
- Cereals, 157, 158
- Challenges, 4–8, 12, 19–21, 23, 26, 28, 30, 35–51, 98–100, 106, 109, 110, 114, 135, 139, 142, 176, 179
 - biodiversity loss, 4, 8
 - climate change, 8, 99, 142
 - deforestation, 4
 - epidemics, 4
 - natural disaster management, 5
 - poverty and hunger, 4
 - rapid urbanization, 4, 8

Change

- behavioral, 166
- climate, 4, 7, 8, 21, 22, 26, 27, 42, 44, 58, 60, 93, 99, 134, 143–145
 - conditions, 24, 92, 147
 - incremental processes of, 28
 - mechanisms, 24, 144
 - piecemeal processes of, 28
 - pre-conditions, 24
 - social, 4, 18, 21, 23, 25, 26, 28, 29, 100, 102, 104, 113, 176
 - structural, 29
 - transformational, 5, 23
- Changing water levels, 147
- Chemical fertilizer, 157, 158, 160, 161
- Chemical industry, 160
- Childhood, 162
- Chile tsunami (1960), 137
- Cite Island, 61
- Citizen groups, 91
- City Planning Act of 1968, 67, 73, 82
- Civil society, 28, 162
- Claims, 5, 20–22, 25, 28, 29, 101, 113, 125, 128
- Climate, 26, 27, 87, 143–145, 158
- Climate change, 4, 7, 8, 21, 22, 26, 27, 42, 44, 58, 60, 93, 99, 134, 142–145
 - human-induced, 134
 - long-term, 7, 134, 143
- Climate negotiations, 144
- Climate projections at the local level, 145
- CO₂ emissions, 143, 144
- Coastal defences, 139, 141
- Coastal engineering, 138
- Coastal issues, 178
- Coastal settlements, 137, 146
- Coastal structures, 139
- Collaboration, 9, 19, 129, 157, 176, 178, 180
 - integrated, 19
 - multiple-stakeholder, 167
- Colonialism, 21
- Commercial (use), 69, 73
- Commitment, 4, 143, 162, 163, 167
- Communication, 5, 8, 10, 19, 28, 49, 109, 166, 167, 176
- Community, 9, 12, 18, 19, 78, 81, 89–91, 98–115, 127, 136, 138, 141, 144–148, 162–164, 167, 177
 - biomass energy source, 90, 91
 - workshops, 78
- Complementarities, 28, 101, 102
 - feeding, 163
- Complexity, 5, 9, 10, 12, 23, 24, 37, 38, 42, 50, 59, 176, 177, 180

- Comprehensive approach, 18, 37
 Comprehensive Parks and Open Space Plan of Tokyo, 66
 Comprehensive Risk Index, 92
 Conception, 162
 Concepts, 5, 7, 8, 12, 18, 20, 23, 26, 29, 36–38, 45, 59, 60, 73, 74, 93, 99, 100, 102, 106, 108–110, 127, 138, 139, 141, 155, 156, 164, 167, 176–178
 universal, 26
 Conditions
 contextual, 25
 environmental, 147
 natural, 21, 157
 Condominiums, 72
 Conflicts, internal, 19
 Consequences, 21, 27, 124, 135, 138–140, 142, 145, 146, 148, 162, 165, 166, 178–180
 Constructivism perspective, 9
 Constructivists, 24
 Consultative Group on International Agricultural Research (CGIAR), 157
 Consumption, 8, 12, 89, 125, 128, 156, 161, 165, 166, 168
 Contexts, 4, 18, 20–23, 37, 40, 48, 69, 106–108, 160, 161, 164, 168, 176, 180
 Contradictions, 28
 Control, 23, 24, 66, 68, 73, 81, 83, 84, 93, 122, 124, 125, 166
 Conventional science, 5
 Coppice Club, 91
 Corals
 cold water, 147
 diversification, 147
 islands, 142, 144, 145
 population, 147
 reefs, 136, 142, 147, 148
 Countermeasures, 127, 134, 139, 141, 142, 179
 Credibility, 18
 Criteria, universal, 18
 Croplands, 158
 Cultural habitats, 166
 Culture, 6, 26, 44, 75, 85, 135
 Cycle
 biogeochemical, 158
 water, 158
- D**
 1,000-Day window of opportunity, 162
 Deductive, 29
 Deforestation, 4, 158, 165
 Degradation, environmental, 23, 155, 161, 166, 168, 178
 De-growth, 29
 Demand side, 156, 161, 168
 Demographic sustainability, 139
 De-politicisation, 21, 22
 Design, research, 19, 20
 Destruction, creative, 29
 Determinants, 145, 163, 166
 Determinism, 22, 176
 environmental, 21, 25, 176
 neo-environmental, 22
 Devastation, 136, 138, 139, 146
 Developing countries, 98, 124, 155–162, 164, 165
 Development, 4, 6–9, 12, 13, 22, 28, 35–40, 44, 47, 50, 59, 67, 72–74, 76, 77, 79, 81–83, 99, 101, 102, 107, 110, 113, 122, 134, 154–157, 160, 161, 165–168, 178, 179
 sustainable, 4, 8, 9, 12, 13, 28, 36, 41, 45, 99, 101–104, 113, 154, 163, 179
 Development strategy, 154–156, 160–162, 164–168, 178
 implementation process, 7, 9, 79, 166
 Dichotomy, 59–61, 93
 approach, 59, 60
 Dietary behavior, 164
 Dietary diversity, 165
 Dietary habits, dietary patterns, 164
 Dietary intake, 163
 Differences, ontological, 21
 Dikes, 134, 138
 Dimensions, social, 167
 Direct weight measurements, 87
 Disability, 162
 Disaster plans, 140
 Disaster preparedness, 135, 136, 148, 178
 Disaster risk, 92, 142
 governance, 135
 reduction, 134–148, 178
 Discipline, 5, 7, 8, 18–20, 22, 103, 120, 164, 177, 180
 foundational, 18
 Discourse, 4, 29, 45, 101, 102, 105, 134, 177
 Discursive, 23
 Diseases, 120–129, 155, 162, 163, 165, 177
 Displacement, 26
 Dissociation, 166
 Distribution of resources, 155
 Disturbances, 90, 121, 122, 135
 Diversity
 cultural, 22, 47, 48
 ecological, 22
 social, 22

- Divides, 18, 19, 24, 73, 82, 127
- Domains
 - disciplinary, 19
 - substance, 18
- Dynamics
 - social, 27, 45
 - temporal, 10
- Dysfunction, 166, 167
- Dysfunctional, 162
 - market economy, 166

- E**
- Early-warning systems, 140
- Earthquakes, 58, 75, 92, 93, 134, 136, 138, 139, 146, 148, 177, 178
- East Rutherford, NJ, 61, 62
- Eating behaviors, 120
- Ebenezer Howard (1850-1928), 59
- Eco-collective housing, 78
- Ecological modernisation theory (EMT), 28
- Ecologists, 25
- Ecology, political, 38
- Economics
 - behavior, 166
 - ecological, 29
 - environmental, 29, 42, 103, 104, 107
 - green, 29
 - productivity, 156, 162
 - theories, 25, 154–156, 165, 166
 - value, 46
- Ecosystem, 25, 46, 90, 161
 - services, 25, 36, 42, 158
- Edo Era, Edo City, 137, 140
- Education, 6, 7, 26, 35–51, 101, 107, 135, 163, 177, 179
- Efficacy, 28, 166
- Egalitarianism, biocentric, 29
- Emergency food, 89
- Empirical, 23, 24, 29, 37, 102, 109, 143, 145, 176, 177
- Encroachment, 42
- Energy/fossil fuel use, 164
- Energy supply, 91, 92
- Entrepreneurs, 85
- Environmental degradation, 23, 155, 161, 166, 168, 178
- Environmental factors, 145, 165
- Environmental problems, 4, 22
- Epidemics, 4
- Epistemology/epistemologies, 5, 13, 19, 20, 22, 40
- Equator, 147

- Ethics, 8, 36, 127, 154
- European cities, 63
- Evacuation, 139, 140, 146
 - plans, 138
 - strategy, 138
 - systems, design, 139, 140
- Evaluation, 12, 28, 37, 47, 49
- Evidence
 - empirical, 145
 - historical, 134, 145
- Evolution, 5, 38, 103, 147
- Existential, 26
- Exploitation, environmental, 23
- Exponential, 42, 157

- F**
- Farmland, 63, 65, 67–69, 72, 74, 77, 78, 81–83, 85, 106
- Farmland parcels (patches), 63, 65
- Feedback, 10, 39, 48
- Field(s), 20–22, 25–27, 36, 121, 180
 - horizontal, 27
 - social, 21, 25–27, 30, 176
 - strategic action, 26, 27, 30
 - vertical, 27
- First Nutrition for Growth Summit (N4G), 162, 163
- Fish processing industry, 140
- Flexibility, 7
- Flexible, 20, 42, 60, 69, 141, 180
- Floods, 27, 92, 136, 140, 141, 143, 146
- Fluxes, bio-geo-chemical, 21
- Food and Agricultural Organization (FAO), 160, 162–164
- Foods, 87, 92, 101, 103, 105, 145, 155, 157, 160, 164–166, 168
 - fiber-rich, 165
 - fresh fruits and vegetables, 165
 - high saturated-fat, 165
 - processed, 165
 - security, 39, 89, 102, 154–168, 178
 - supply, 92, 165
 - system, 89, 92, 164, 165
 - unprocessed, 165
- Force majeure, 135
- Ford Foundation after the Rockefeller Foundation, 157
- Formulated values, 167
- Formulations, problem, 18, 19
- Fossil fuels, 90, 164
- Fragmented, 162
- Frame, 8–10, 19, 28, 37, 100, 109, 123, 147, 154, 176–178

Framework, 6, 7, 9–12, 25–27, 37, 39–42, 46, 47, 50, 100–106, 113, 114, 135, 163, 165, 176, 177
 Framing, 4–13, 19, 30, 35–51, 58, 98–115, 120–129, 146, 154–168, 176–180
 Framing complexities, 9
 Fresh food, 87
 Fruits, 74, 165
 Fuelwood, 90
 Fujimaki-cho (Nagoya City, Aichi Prefecture), 78
 Funabashi City (Chiba prefecture), 81, 91
 Functionalism, 21, 25, 176

G

Garden City, 59, 60
 Garden, kitchen, 164
 Genetic base, 147
 Geography, 49, 66, 109
 Geological evidence, 134
 Geological records, 144
 Geometric, 157
 Geomorphologically, 147
 Geopolitics, 22
 Glacial cycles, 143
 Global, 4, 7, 10, 12, 26, 28, 38, 42, 58, 60, 93, 101, 102, 105, 113, 135, 143, 158, 163–166, 176
 cooling, 144
 food production, 162
 nutrition targets, 162, 163
 population, 162
 temperatures, 143, 144
 warming, 144, 147
 Global Nutrition Report 2014, 2015, 164, 165
 Goals, 8, 10, 22, 24, 28, 105, 106, 113, 135, 162, 163, 176, 179
 Goods and services, 8, 168
 Governance system, 39, 46, 47, 162
 Government
 central, 104
 failure, 160, 165, 167, 168
 national, 121, 124, 128, 141, 168
 prefectural, 141
 Graduate Program in Sustainability Science–Global Leadership Initiative (GPSS-GLI), 6, 7, 9
 Graduate School of Frontier Sciences, 6
 Great Eastern Japan Earthquake and Tsunami (2011), 136, 138, 148, 178
 Greater London Plan in 1944, 60
 Green Revolution, 156–162, 164, 166
 Greenbelt, 60, 66, 67

Greenery, 59, 89, 91
 Greenhouse gas (GHG), 43, 143, 144
 concentrations, 143, 144
 emissions, 143, 158, 164, 165
 Grey landscape, 60, 62, 93

H

Habitats, 90, 158, 166
 Hagidai garden (Chiba city), 87
 Hanshin-Awaji Major Earthquake of 1995, 75
 Hard measures, 138–140
 Hazard
 definition, 134
 nature, 134, 136, 148
 Health access, 163
 Heat energy, 91
 Heavy transportation, 8
 Heuristic, 29
 Hidden order, 68, 84
 High-density urban areas, 75, 76
 2013 High Level Panel, 163
 High waves, 146, 147
 High yield variety (HYV), 157, 158, 160
 Historical process, 24, 114
 Historical records, 134
 HIV, 42, 155
 Hobby farmers, 66, 85, 89
 Hobby farms, guided-type, 89
 Hokkaido, 137
 Holistic, 7, 9, 10, 12, 102, 176, 179
 Holistic assessment of the problem, 148
 Holocene epoch, 144
 Human adaptation, 145
 Human behaviors, 166, 167
 Human disturbance, 90
 Human perception, 165
 Human well-being, 4
 Humanity, 127, 128
 Human-nature system, 4, 5
 Hygiene, 163

I

Ignorance, 20
 Ikebukuro, 69, 70, 72
 Illegal dumping, 90
 Impact on environment, 42, 156, 158, 161, 164, 166
 Imperialism, scientific, 21, 22
 Improved Seed Development Plan (1973), 160
 Incomes, 68, 101, 154, 155
 Incommensurability, 23
 Incremental development, 74

- Incumbents, 26
- Indicators, 21, 24, 46, 103, 164
- Individual, 7, 9, 10, 12, 25, 26, 28, 37, 39, 47–51, 77, 99–102, 104, 105, 109, 112, 113, 127, 134, 135, 155, 166, 167, 176, 179
- Induction, analytic, 29
- Inductive, 29
- Industrial, 69, 73, 101, 104, 120, 121, 140, 158
- Inequality, 21, 22
- Infectious diseases, 155
- Infrastructure, 45, 69, 72, 74, 75, 78, 81, 83
- Innovation, disruptive, 29
- Input farming, 160
- Inquiry, scientific, 22
- Institutional, 6, 10, 25, 28, 44, 46, 155
- Institutionalists, 24
- Institutions, 23, 24, 45, 157
 - formal, 155
 - informal, 155
 - political, 25
 - social, 23, 24, 26
- Instrument, market-based, 25
- Integrated, 5, 6, 9, 18, 19, 22, 50, 65, 81, 135, 156, 168, 176
- Integrated Research System for Sustainability Science (IR3S), 6
- Integration, knowledge, 20–22, 25, 176
- Intellectual ability, 162
- Intensification, 105, 158, 165
 - agricultural land, 158
- Intentionalism, 24
- Interactionism, symbolic, 25, 26
- Interactions
 - complex, 4, 48, 99
 - environment, 18
 - human-environmental, 18
 - multi-scale, 4
 - social, 25, 26, 46
- Interdependence, environment, 18
- Interdisciplinary, 5, 6, 18, 20, 51
- Interests, 23, 24, 26, 102, 103, 105, 111, 158, 164
- International, 6, 28, 51, 154, 156, 162, 168, 177
 - community, 162
 - conventions, 4
 - markets, 92
 - nutrition system, 162
 - standard, 60
- International Assessment of Agricultural Knowledge, Science and Technology for Development (IAASTD), 156
- 2nd International Conference on Nutrition, 163
- International Conference on Nutrition, 163
- International Food Policy Research Institute (IFPRI), 163–165
- International Labour Organization (ILO), 155
- International Maize and Wheat Improvement Center, CIMMYT (Centro Internacional de Mejoramiento de Maíz y Trigo), 157
- International Monetary Fund (IMF), 155
- International organizations, 160
- International Panel on Climate Change (IPCC), 143, 144
- International Panel on Climate Change 4th Assessment Report (IPCC 4AR), 143
- International Panel on Climate Change 5th Assessment Report (IPCC 5AR), 143, 144
- International Rice Research Institute (IRRI), 157
- International Seed Campaign (1957–62), 160
- Interpersonal skills, 7, 38
- Interpretation, subjective, 25
- Interventions, 7, 140, 155, 163–166
 - nutrition-specific, 163
- Inundation, 136, 139, 141
- Inundation heights, 136, 139, 141
- IR8 (HYV type), 157
- Irrigation, 158, 161
- Irrigation systems, 83, 157, 158, 160
- Ise Grand Shrine, 93
- Island communities, 145–148
- Islands, coral, 136, 142, 144, 145
- Issue identification, 9, 10
- J**
- Jane Jacobs (1906–2006), 76
- Japanese, 60, 62, 63, 66–69, 72–74, 77, 82, 84, 89, 92, 93, 98, 99, 110, 120, 122–124, 128, 135, 136, 138, 141, 177
- Japanese Ministry of Education, Culture, Sports, Science and Technology, 6
- Jogan tsunami (869), 136
- K**
- Kamaishi Bay, 139
- Kawagoe, 63, 65
- Keicho tsunami (1611), 137
- Knowledge, 4–6, 10, 12, 18–22, 25, 27, 28, 30, 35, 38, 47, 50, 99, 123, 125–128, 138, 148, 160, 166, 167, 176, 179
 - actionable, 18, 27
 - collaborative, 5
- Koenji (Suginami Ward, Tokyo), 76

L

- Lancet series on maternal and child undernutrition, 162
- Land adjustment, 141
- Land loss, 145
- Land prices, 82, 84
- Land readjustment, 72
- Land use, 60, 63, 65–69, 72, 73, 81–84, 90, 92, 93, 141, 158, 177
 - planning, 73, 74, 146
 - regulation, 72, 81, 82
 - transformation, 81
- Landlord-tenant farmer system, 68
- Landslides, 134, 138, 139
- Last interglacial period, 144
- Late Holocene period, 144
- Layer 1 (Prevention), 140, 141
- Layer 2 (Spatial Solutions), 140–142
- Layer 3 (Emergency management), 140
- Layer model, 59–68, 92, 93
- Legitimacy, 18
- Level
 - household, 156, 168
 - individual, 155, 166
 - international, 154, 156, 168
 - national, 10, 156, 166–168
 - regional, 166, 168
- Level 1 tsunami, 138–141
- Level 2 tsunami, 138–141
- Lifespan, 135, 142, 146
- Linkage, 12
- Livestock, 165
- Local, 4, 7, 10, 12, 26, 67, 89, 91, 92, 100–114, 121, 122, 127, 128, 135, 140, 145, 156, 158, 163–167, 177, 179
 - authorities, 140
 - municipalities, 67, 82, 85, 168
 - perspectives, 10, 12
 - residents, 100, 110, 111, 114, 139, 141, 167
- Locus/loci, 166
- Logic, institutional, 26
- London, 60, 61, 92
- Long-term concerns, 7
- Loss of life, 139
- Low-lying deltaic areas, 143
- Low-lying islands, 136, 148
- Low-lying lands, 142–148

M

- Macro, 45, 113
- Macro-economic policies, 155
- Magnitude, 136, 137
- Malaria, 42

- Maldives, 148
- Malnourished, 162–164, 166
- Malthus's world, 156, 157
- Management
 - adaptive, 5, 21
 - ecosystem, 25
 - waste, 28
- Manipulation, 23
- Marine isotope stage 11 (MIS 11), 144
- Market, 77, 78, 101, 102, 104, 105, 111, 113, 154–156, 160, 161, 166, 167, 178
 - failure, 155, 156, 161, 165, 166, 168
 - function, 154–156, 161, 165, 167, 168
- Mass extinctions, 147
- Mass media, 167
- Mass migration, 145
- Mass migration theory, 145
- Mass production and consumption, 8
- Maternal, 162, 163
- Mauritanian, 147
- Medical help, 140
- Medical industry, 160
- Medieval Europe, 59
- Meiji Era, 137
- Meiji-Sanriku tsunami (1896), 137
- Mekong delta, 143
- Mercury poisoning, 7
- Meta-studies
 - evaluative, 19
 - quantitative, 19
- Meteorite impacts, 138
- Methodologies, 7, 12
- Metropolitan area, 67, 98
- Mexico, 47, 157
- MEXT, 6
- Micronutrients, 165
 - deficiencies, 163
 - fortification, 163
 - supplementation, 163
- Micro-scale, 93
- Migration, 26, 81, 99, 147
 - transnational, 26
- Millennium Development Goals (MDGs), 155, 162, 163
- “Mini” development, 73, 77
- Mitigate, 138, 140
- Mobilization, 167
- Modern variety (MV), 157
- Modernisation, 28, 29, 76, 77
- Modernity
 - critical, 28, 30
 - ecological, 28, 30
- Monocrop agriculture, 166
- Monocrop fields, 161

- Morbidity, 162
 Mortality, 146, 147, 162
 Mothers, 121
 Mouth breakwater, 139
 Movements, social, 26, 29, 38, 109
 Multinational companies, 160
 Multiplicity, 9, 176
 Munich Reinsurance Company, 92
 Municipality, 107
- N**
- Nagoya, 67, 78, 79, 99
 Narratives, historical, 24
 National, 26, 28, 104, 105, 114, 122, 128, 135, 154
 National governments, 121, 124, 128, 141, 168
 Natural disasters, 7, 58, 60, 89, 92, 93, 134, 138, 139, 177
 management, 5, 7
 normal, 134
 Natural event, definition, 134
 Natural hazards, 134, 148, 178
 large-scale, 134
 return, 136–142
 Natural systems, 4, 21, 25–27, 30, 176
 Nature-society, 18
 Neighborhoods, 63, 75, 76, 81, 85, 89, 91, 109
 Neo-classical, 155
 approach, 155
 economics, 155
 economic theory, 155, 156, 161, 165, 166
 Nerima Ward, 62, 63, 74, 75, 87
 Neutrality, 20
 New York City, 61–64
 Nishi-Tokyo City (Tokyo), 77, 78
 Non-farmers, 68
 Non-linear and linear relationships, 10
 Norin 10, 157
 Normative discussions, 18
 Norms, 8, 23, 24, 28, 166, 176, 179
 North America, 92
 NPO/NGO, local, 167
 Nutrition, 7, 156, 162–166, 168, 178
 infant, 162, 163
 security, 164
 young child, 162, 163
 Nutrition for Growth (N4G) summit, 162, 163
 Nutrition-sensitive approach, 163
- O**
- Obesity, 164
 Objectives, 25, 49, 102, 110, 140, 144
 Objectivity, 20
 Obstacles, 20, 21
 Ocean heat loss, 144
 Ocean surface cooling rate, 144
 Ocean warming, 146
 Oceanic convection, 144
 Ontologies, 5, 13, 20–22, 25, 27
 Order, meso-level social, 26
 Organization
 donor, 162
 international, 160, 162, 168
 Osaka, 67, 99
 Otsuchi, 139–142, 148, 178
 Our Common Future, 4, 28, 154
 Overtopping, 141
 Overweight, 162, 164
- P**
- Pareto Optimum, 155
 Paris, 59, 61, 63, 64, 92
 Paris Agreement, 28, 143
 Parsimony, 23, 24
 Partnerships, 167
 Pastures, 158
 Pathways, 5, 9, 24, 105, 106, 113, 114, 165, 176, 178
 Patterns, 60
 Patterns, cause-effect, 27
 Peri-urban rural areas, 81
 Persian/Arab Gulf, 147
 Perspective
 constructivism, 9
 local, 10, 12
 problem-based and action-oriented, 5
 reductionist, 5
 resilient, 7
 trans-boundary, 7, 9, 10
 wholistic, 7
 PES, 29
 Pesticide poisoning, 161
 Pesticides, 157, 158, 160, 161
 pH concentrations, 147
 Philippines, 146, 148, 157, 178
 Platforms, 167
 Pluralism
 methodological, 18–30
 theoretical, 18–30
 Pluralistic, 5
 Polewards, 147
 Policy, agricultural, 156
 Political commitment, 162
 Political science, 8, 109
 Polity, 21

- Pollution, environmental, 124, 125
 Population, *see* Aging population
 Post 2015 Development Agenda, 163
 Postgrowth, 29
 Poverty, 7, 22, 42, 154–168, 178, 179
 alleviation, 154–168
 and hunger, 4, 162
 Power, 21, 23, 26, 91, 111, 137
 Practicum, 7
 Precipitation, 139
 Pre-industrial levels, 144
 Preparedness, 134–136, 148, 178
 Prerequisite, 28
 Price mechanism, 155
 Private companies, 85, 168
 Private sector, 160, 162, 167
 Problem-based and action-oriented
 perspective, 5
 Problems, interconnected, 18
 Process, interpretative, 26
 Processed foods, 165
 Process-elucidation, 24
 Process-tracing, 24
 Production, 27, 28, 39–41, 59, 87, 101, 104,
 105, 121, 156, 160, 161, 165, 166, 168
 Productive green (PG), 77, 78, 83–85
 Productive Green Land Act, 84
 2022 Productive green problem, 84
 Professional farmers, 66, 85
 Propagation, 138
 Property, 26, 80, 103, 139, 140, 155
 Protected farmland, 83
 Psychological factors, 167
 Psychological strategy, 167
 Public funds, 78
 Pulses, 147
 Pyramid Mountain, NJ, 63, 64
- Q**
- Qualitative, 19, 42, 104, 106
 Quantifying, 21, 87
 Quantitative, 5, 19, 42, 102
- R**
- Rapid urbanization, 4, 8
 Reconstruction, 20, 81, 135, 138, 139, 148,
 178
 Recovery, 124, 125, 128, 134, 135
 Recycling, 28
 Redevelopments, 38, 69, 72, 77, 127
 Reductionist, 5, 25
 Reductionist perspective, 5
 Redundant system, 92
 Reefs, 136, 142, 147, 148
 Reflections
 instrumental-methodological, 20
 onto-epistemological, 20
 theoretical-conceptual, 20
 Reflexivity, 19, 20, 25, 36
 Reform
 radical, 29
 tax, 29
 Reformism, 155
 Reframing, 8, 28–30, 114, 177
 critical, 29, 114, 176
 Refuge, 147
 Regional, 59, 60, 99, 114, 158, 166, 168, 179
 Regularities, 24
 Rehabilitation, 135
 Reinforcement, 6
 Relational, 26
 Relationships, non-linear and linear, 10
 Religion, 26
 Repercussions, social, 27
 Reproductive performance, 162
 Research
 integrative, 20, 30
 problem-driven and solutions-oriented, 18
 sustainability science, 8, 18, 19, 21
 Residential, 63, 69, 70, 73, 74, 77–81, 106,
 137, 139, 141
 Resilience, 5, 12, 21, 23, 36, 38, 45, 49, 60,
 91–93, 134, 135, 138–140, 148, 165,
 177, 178
 Resource depletion, 8
 Responsibility, corporate social, 28
 Retirees, 66, 85, 91
 Rice, 83, 157
 farmers, 83
 high yield, 157
 Richter scale, 136, 137
 Rio Summit, 4
 Risk, 178
 Risk management, 136
 Risk maps, 140
 Risk reduction, 135, 178
 River dikes, 134
 River embankments, 139
 Road network, 73, 78
 Rockefeller foundation, 157
 Run-up-heights, 136
 Run-ups, 139
 Rural landscapes, 59
 Rural migration, 81
 Rural planning, 6, 81, 83, 84
 Rural sustainability, 7, 100, 101, 113, 114, 177

S

- Saliency, 18
- Saltwater intrusion, 145
- Sandai-Jitsuroku, 136
- Sanitation, 163
- Sanriku, 136, 137
- Satoyama woodland, 90, 91
- Saturated fat, 165
- Saturated fat intake, 165
- Scales, 4, 7, 12, 18, 26, 36, 37, 40, 44, 92, 134–140, 142, 144, 147, 148, 162, 166, 177
- Scaling Up Nutrition (SUN), 162, 163
- Scenarios, 36, 38, 78, 143, 144, 165
- Schema, 28
- Science
 - earth system, 25, 38, 48
 - explorative, 20
 - sustainability, 11, 18–30, 35–51, 99, 120–129, 134, 176–180
 - transformational, 5
 - umbrella, 5, 19
- Science for sustainability, 5
- Science-society, 18
- Scientists/researchers, 9, 12, 18, 19, 21, 25, 36, 39, 50, 122, 124, 134, 137, 147, 167
- Sea level rise, 135, 136, 142–148, 178
- Sea levels, 141–148
- Seawalls, 134
- Seawater, 121, 140, 144
- Sectors, 18, 28, 102, 105, 140, 165, 180
- Sediment supply, 147, 148
- Seed industry, 160
- Seeds, 92, 160, 161, 165
- Self-efficacy, 166
- Self-funded basis, 146
- Self-sufficiency, 89, 91
- Semi-dwarf rice varieties, 157
- Semi-empirical methods, 143
- Senbiki, 82
- Sendai, 136, 137
- Sendai Framework for Disaster Risk Reduction 2015-2030, 135
- Separation, *see* Boundary
- Sequencing, 24
- Settlement
 - coastal, 137, 146
- Shadow prices, 166, 168
- Shinjuku, 69
- Shiraishi garden (Nerima ward, Tokyo), 87
- Shocks, 135
- Short-term concerns, 7
- Showa-Sanriku tsunami (1933), 137
- Sir Patrick Abercrombie (1879-1957), 60
- Smart city development, 7
- Social and behavioral change communication (SBCC), 166, 167
- Social determinants, 166
- Social dimension, 167
- Social factors, 145
- Social justice, 8
- Social norms, 8, 166, 176, 179
- Social order, 23, 26
- Social supports, 166
- Social support theories, 166
- Social systems, 4, 44, 124
- Social values, 9, 127, 166
- Societal collapse, 147
- Society, 4–12, 21–24, 26, 28, 30, 45, 91, 98–100, 105–110, 112, 114, 120, 125, 127, 128, 134, 135, 139, 142, 166, 167, 176–180
- Socio-cultural systems, 134
- Socio-ecological, 18, 21, 36–38, 44, 46, 47, 50, 177
- Socioeconomic development, 8
- Socioeconomic factors
 - food environment, 164
 - food system, 164
 - health and nutrition education, 164
 - local economy, 164
 - subsistence patterns, 164
- Socio-economic systems, 42, 134
- Soft measures, 138–140
- Spaces, 4, 21, 27, 41, 45, 75, 78, 81, 89, 101, 106, 110
- Sphere, 21, 25
- Stability, 23, 24, 26, 45, 89
- Stakeholders, 9, 10, 12, 18, 20, 108, 129, 134, 148, 167
 - international organizations, 168
 - local municipalities, 168
 - national governments, 168
 - private companies, 168
- Standardisation, 18
- State, green, 29
- Static perspective, 8
- Statistical models, 41
- Stilted houses, 146
- Storm surges, 146
- Strategy
 - psychological, 165, 167, 168
 - structural, 167, 168
- Stratifications, 23
- Structural adjustment loans (SALs), 155
- Structural inequality, 21
- Structuralism, 24, 155
- Structuralist economics, *see* Structuralism
- Structuring, 37, 44

- knowledge, 19
 - Studies, adaptation, 27
 - Stunting, 162
 - Subfields, 19
 - Sub-Saharan Africa, 157, 160
 - Subsistence farming, 103, 105, 165, 166
 - Subsistence patterns, 164
 - Suffering, 58, 93, 121, 123, 126, 128, 139, 140, 156, 162
 - Superblocks, 78
 - Supply side, 156, 161, 168
 - Surface atmospheric temperatures, 144
 - Surface temperatures, 143
 - Sustainable development goals (SDGs), 8, 12, 13, 28, 154, 163, 168, 179
 - Sustainable diet, 164
 - Sustainable intensification, 158, 165
 - Sustainable urban planning, 58
 - Synergies, 19
 - Systems
 - dynamics, 4
 - energy, 21, 91
 - global, 105, 106
 - human, 4, 8, 99
 - human-nature, 4, 5, 7
 - life support, 4, 18
 - natural, 21, 25–27, 30, 176
 - political party, 104
 - social, 4, 44, 124
 - social-ecological, 25, 30
 - social security, 21, 86, 98
 - tax, 21
 - thinking, 9, 12, 38, 139
- T**
- Tagara, 74, 75
 - Targets, 28, 36, 38–42, 46, 49, 101–103, 108, 109, 155, 162, 164, 168, 179
 - Tax, taxes, 21, 84, 121
 - Technological innovations, 12
 - Temperatures, 121, 143, 144, 146, 147
 - air, 143, 144
 - cooling, 144
 - ocean, 143, 146
 - Temporal and spatial dynamics, 10
 - Temporal diversity, 10
 - Temporal dynamics, 10
 - Tenant farmers, 68
 - Thematic, 5, 38, 179
 - Theory, 9, 18, 21–26, 30, 37–40, 44, 45, 48, 83, 104, 122, 145, 155, 156, 161, 165, 166, 176
 - conflict, 23
 - consensus, 23
 - descriptive, 23
 - ecological modernisation theory (EMT), 28
 - field, 25, 26, 30
 - neoclassical economic, 25
 - predictive, 23
 - prescriptive, 23
 - rational choice, 21, 25, 40, 176
 - transition, 29, 37, 39, 40, 44, 45
 - Thermal expansion, 143, 144
 - Thermal inertia of the oceans, 143
 - Thermal stresses, 146
 - Thought, intersubjective, 26
 - Threats, 8, 58, 92, 93, 106, 134, 139, 156, 157, 177
 - Tidal flooding, 146
 - Time spans, 134
 - Times, 4, 49, 65, 89, 135
 - Time-scales, 102, 134, 145, 178
 - geological, 134
 - Tohoku Earthquake Tsunami, 136, 138, 139, 148, 178
 - Tohoku region, 136, 137
 - Tokyo, 6, 61, 98, 121, 141, 177
 - Top layers, 143
 - Tourism, 44, 101, 141
 - Trace gas concentrations, 143
 - Transdisciplinarity, 5, 18, 20, 35, 38, 164
 - Transfer of development rights, 78, 79
 - Transfer of growth, 78
 - Transferability, 12
 - Transformation channels, 9, 12
 - Transformational, 5, 23
 - Transnational, 26
 - Transportation systems, 92, 167
 - Tropical corals, 147
 - Tropical hurricanes, 58
 - T-shape education, 6
 - Tsunami classification, Japan, 136–142
 - Tsunamis, 58, 91, 92, 134–142, 148, 178
 - Tsunami warning systems, 138
 - Typhoons, 92, 139, 146, 177
 - Typology, 28–30, 176
- U**
- UK, 163
 - Umbrella science, 5, 19
 - Uncertainties, 9, 12, 20, 121, 122, 125, 148, 166, 167
 - Undernourished, 156, 162
 - Underwater landslides, 138
 - Unequal distribution of resources, 155
 - Unification, 21, 22, 176

- United Nations Conference on Environment and Development in 1992, 4
- United Nations Framework Convention for Climate Change (UNFCCC), 143
- United Nations International Children's Emergency Fund (UNICEF), 155, 163
- United Nations International Strategy for Disaster Reduction (UNISDR), 135
- United States Agency for International Development (USAID), 157
- Unmanaged buildings, 72
- UN Millennium Project, 162
- Unprocessed foods, 165
- Unrest, social, 22
- Urban areas, 45, 69, 72–77, 91, 98, 102, 165
- Urban developments, 59, 67, 72–74, 76, 78, 83, 110
- Urban dwellers, 76
- Urban expansion, 60, 81
- Urban fabric, 59, 60, 63, 65, 67, 81
- Urban farmlands, 77, 78
- Urban fringe, 68, 81, 82
- Urban greenery, 89, 91
- Urbanization, 4, 8, 67, 69, 72, 74, 75, 82, 104
- Urbanization Control Area (UCA), 67, 68, 73, 82, 83
- Urbanization Promotion Area (UPA), 67, 68, 73, 82, 83, 85
- Urban planning, 58, 69, 72–74, 76, 77, 82, 110, 177
- Urban Planning Act of 1968, 67, 68
- Urban-rural mixture, 81, 83–85, 91
- Urban sprawl, 66, 72, 74, 75, 79, 81, 82
- Utopian, 29
- V**
- Vacant plots, 69, 72, 81
- Value of grey, 58–93, 177
- Values, 8, 12, 19, 22–26, 46, 49, 58–93, 101, 109, 112, 114, 147, 165–168, 176, 177, 179
- orientation/proposition, 8
- social, 9, 127, 166
- Vegetables diet, 165
- Vigny (France), 63, 64
- Volcanic eruption, 134, 135
- Vulnerable, 72, 75, 144, 145
- W**
- Wards, 62, 63, 65, 74–77, 87
- Water, 38, 41, 42, 44, 72, 106, 126, 141, 143, 145–148, 161, 163, 164, 179
- cycles, 158
- supply, 145
- Watersheds, 27
- Wave, height, 138
- Wealth redistribution, 155
- Welfare economics, 155–156
- Well-being
- mental, 141
- physical, 108
- West, 60, 61, 93
- Western Europe, 58, 59, 92, 177
- Wheat, 157
- WHO, 162–165
- Win-win approach, 164
- Women and children, 155
- Workshops, 78, 100, 106–110, 112–114, 177
- World Bank, 155, 156, 161
- World Commission on Environment and Development (WCED), 4
- 65th World Health Assembly, 163
- World Health Assembly, 162, 163
- World Seed Year (1961), 160
- World War 2, 81, 82, 85
- Worldviews, 7, 29, 36
- Y**
- Yield variety (HYV), 157
- Youth, 99, 106–108, 177
- Z**
- Zeitgeist, neo-liberal, 21