

Index

A

Abertamy-Hřebečná, 172–177, 189
Aerial image, 40, 68, 73, 190–192
Agrarian crises, 111, 114
Agrarian reform, 51, 124, 125, 198
Agricultural cooperative type, 134
Agricultural intensification, 3, 74, 88, 89, 100, 115, 120, 127, 200–203
Agricultural land (AGL), 79
Agricultural Land Protection Act, 102
Agricultural modernization, 200
Agricultural policy, 36, 149
Agricultural production region, 36, 37
Agricultural production type, 36
Agricultural reform, 110, 208
Agricultural Revolution, 20, 51, 53, 54, 77, 96, 98, 111–113
Agricultural system(s), 5, 15
Agro-industry, 153
Amalgamation, 75, 80, 124, 137, 144
Animal husbandry, 36, 41, 53, 96, 98, 112, 113, 121, 126, 133, 134, 136, 148, 156, 164
Arable land (AL), 53, 57, 69, 79, 86–90, 100, 104, 106, 110, 112, 113, 115–117, 121, 126–129, 136, 138, 142, 149, 151, 152, 156, 159, 163, 177, 185, 193, 196, 200, 204, 209
Artificial fertilizers, 13, 54, 55, 145, 164
Austria-Hungary, 53, 73, 74, 108, 120
Austro-Hungarian market, 111, 123

B

Belle Époque, 118, 120
Biodiversity, 10, 16, 119, 152, 156
Biomass production, 10, 11

Biophysical transfer, 106
Bohemia, 18, 21, 30, 61, 69, 71, 74, 97, 98, 107, 108, 110, 112–114, 121–124, 204
Břekova Lhota, 172, 177–180, 189
Built-up areas (BA), 3, 10, 73, 74, 79, 85, 86, 89, 90, 100, 104, 106, 137, 140, 153, 160, 164, 177, 189, 207
Built-up areas and courtyards, 79
Bush fallow, 30, 97

C

Cadaster/cadastré, 70
Cadastral map, 14, 21, 22, 68, 70–74
Cadastral register, 8
Carbon cycle, 16
Centre, 12, 154
Čestlice, 172, 185, 187–189
Cisleithania, 22, 53, 70, 88, 111, 120, 121
Climatic change, 10, 16, 97
Climatic classification, 32
Climatic impacts, 16
Climatic zones, 33
Climax, 9, 96, 98, 111, 114
Coefficient of anthropogenic influence (CAI), 85, 86
Coefficient of ecological importance (CEI), 85, 86, 88, 106, 107, 119, 131, 142, 143, 158, 163–165
Cold War, 132
Collapse of communist system, 103
Collectivization, 75, 122, 134, 146, 181, 192, 198
Colonization, 9, 96
Colonization of ecosystems, 9
Colonization of territory, 9
COMECON common agricultural policy, 132

Commercial complex, 185
 Communist coup d'état, 3, 72, 133
 Complex Revolution of Modern Age, 51, 52
 Confiscated land, 146
 Cooperative of owners, 134
 CoORDination of INformation on the Environment (CORINE), 76, 151
 Core, 52, 56, 57, 111, 135, 196
 Crop rotation, 15, 53, 55, 97, 100, 110, 111
 Crop zones, 12, 13
 Cultural driving forces, 50
 Cultural patterns, 50, 111
 Czech office for surveying, mapping, and cadastre, 70, 72, 74, 78, 179, 183, 187

D

Dairy farming, 129, 148, 197
 Decision-making context, 19
 Decrease of biodiversity, 10
 Deforestation, 10, 16, 18, 97, 98, 116
 Demographic Revolution, 52
 Development index, 82, 84
 Development strategy, 11
 Differential land rent, 13, 50, 51, 104, 106, 115, 118, 119, 148, 153, 160, 189
 Differential land rent I, 13, 54, 55, 127, 133
 Differential land rent II, 55, 126
 Diffusion of innovation, 59
 Driving forces, 2, 3, 9, 50, 52, 99, 107, 120, 126, 132

E

Earth Summit Rio, 10
 Earth System Science Partnership (ESS-P), 10
 Ecological footprint, 10
 Economic driving forces, 99, 198
 Emphyteusis, 97
 Empirical structuralism, 50
 Energy balance, 201
 Environment, 7, 17, 142
 Environmental change, 56
 European Society for Environmental History (ESEH), 5, 10
 European Union, 2
 External factor, 19

F

Fallow, 13
 Fallow farming, 53, 112, 122, 152
 Family housing programme, 136

Field boundaries, 75, 90, 119, 137, 144, 160, 181
 Field mapping, 8, 22, 91, 100, 175, 179, 183, 187
 First Industrial Revolution, 53
 First land reform, 133
 Food security, 201
 Forest areas (FA), 79, 85, 88, 90, 129, 137, 192
 Forestry, 34, 122, 126, 179, 207
 Forest transition, 18, 114, 137, 200, 207
 Four-course system, 112

G

Gardens, 14, 73, 77, 159, 183
 General modernization, 54, 142, 200
 Geographic information systems (GIS), 20
 Geographical location, 12, 13, 54, 56, 57, 161, 191, 205
 Geographical median, 132, 141
 Geographical systems, 2
 Global environmental crisis, 52
 Globalization, 2, 51, 61, 77, 196
 Global Land Project (GLP), 10
 Global model, 18
 Great depression, 124

H

Habitat loss, 10, 16
 Hierarchical system, 195
 Historical geography, 5, 10, 20, 99
 Historical land use, 2, 4, 21, 99
 Hop gardens, 73, 77, 79
 Horní Rokytnice nad Jizerou, 191, 192
 Human-induced erosion, 97
 Hunter-gatherer society, 96
 Hussite War, 97

I

Index of change, 84, 88, 89, 130, 142, 157
 Industrial Revolution, 51, 53, 54, 71, 74, 96, 100, 107, 197, 207
 Industrial-Scientific Revolution, 52, 54, 56
 Industrial society, 200
 Inner periphery, 4, 57, 59, 172, 181, 190
 Intensification of agriculture, 3, 115, 206
 Intensity of farming, 197
 Intensity theory, 12, 13
 Interaction nature–society, 3, 10, 15, 30
 Intermediate factors, 18

International Geographical Union Commission on Land Use and Land Cover Changes (IGU/LUCC), 4
 International Geosphere-Biosphere Programme (IGBP), 10
 International Human Dimension Programme (IHDP), 10
 Iron curtain, 57, 133, 198
 Isolated State, 12

K

Key population areas, 96
 Kutlíře, 181–183, 189

L

Land change science, 10
 Land fertility, 54
 Land fragmentation, 15
 Landlord, 110, 122
 Land ownership, 22, 69, 123, 146
 Land Parcel Identification System (LPIS; Veřejný registr půdy in Czech), 72
 Land quality, 33, 61, 67, 69, 79, 100, 114, 126, 137, 181, 185, 207
 Land reclamation, 206
 Land rent, 12, 134
 Land reform, 123, 124, 133
 Land registry, 68, 69
 Land restitution, 146, 198
 LANDSAT, 22, 76
 Landscape, 1, 5, 7, 9, 10, 152, 156, 157, 159, 189
 Landscape Atlas of the Czech Republic, 32
 Landscape makers, 59
 Landscape of elements, 8, 10, 206
 Landscape patterns, 56
 Landscape stability, 9
 Land tenure, 110, 122, 123, 146, 147, 156, 185, 198
 Land use changes, 2–5, 9, 13, 14, 16–18, 20, 21, 49, 52, 68, 89, 90, 115, 119, 132, 185, 198, 200, 208
 Land use classes, 3, 73, 79, 84, 86, 88, 90, 151, 196
 Land use classes compatibility, 90
 Land Use/Cover Changes in Selected Regions of the World, 5, 22
 Land use mapping, 11, 15
 Land use patterns, 2, 3, 19, 32, 58, 99, 107, 113, 115, 118, 127, 133, 142, 152, 153, 160, 196, 197, 204
 Land use planning, 11
 Land use policy/ies, 98

Land use teleconnections, 61
 Land use transition, 119, 128, 197, 204, 207
 Land utilization survey, 14
 Less favoured areas (LFA), 11, 36, 149, 150, 156, 172, 177, 189
 Long fallow crop rotation, 96
 Long-term factor, 19
 LUCC Czechia Database, 3, 5, 106, 107, 151, 156, 160, 164, 204, 209

M

1st Military Survey, 21, 73, 74
 2nd Military Survey, 21
 Macrostructure of landscape, 8
 Macro-type of land use change, 199
 Main landscape process, 204
 Marginal region, 57
 Market economy (market-oriented economy), 14, 77, 118, 120, 196, 209
 Material well-being, 10
 Meadows (M), 37, 53, 73, 79, 106, 114, 129, 138, 150, 159, 164, 173, 193
 Metropolitan area, 5, 57, 58, 140, 142, 153, 156, 157, 164, 165, 185, 189
 Microcomponent of land use, 144
 Micro regional level, 4
 Microstructure of landscape, 8
 Migration of population, 54, 102
 Military survey, 21, 73, 74
 Military training area, 39, 57, 75, 124, 132, 141, 153, 155, 158, 160, 206
 Model areas, 2, 5, 89, 90, 171, 172, 189
 Model DPSIR (drivers, pressures, state impacts, responses), 16, 17
 Mode of production, 18, 19, 108, 152
 Modern society, 207
 Modes of cultivation, 97
 Monopolist stage of capitalism, 55
 Moravia, 20, 21, 34, 41, 61, 68–71, 73, 97, 105, 107, 108, 112, 114, 116, 120, 122–124, 129, 132, 204
 Multilevel explanatory scheme, 17, 18

N

NASA, 5, 76
 National park, 5, 9, 57, 133, 191, 192, 206
 Natural cycles, 10
 Natural driving forces, 6, 50–52, 99
 Nature—Culture—Technology, 99
 Neolithic era, 3, 96
 Neolithic Revolution, 96
 New wilderness, 38, 152, 206
 Nobles' land, 68, 69

O

- Orchards, 73, 75, 77, 79, 140
- Ortophoto, 22, 175, 179, 183, 187
- Other areas (OA), 9, 79, 84, 85, 89, 90, 100, 114, 129, 199–201
- Over production, 146, 147
- Ozone depletion, 10

P

- Panic of 1873, 111
- Paradigm, 15
- Pastures (P), 79
- Peripheral location, 153, 172
- Peripheral region, 56, 57, 59, 62, 116, 119, 126, 140, 142, 153, 156, 157, 206, 208
- Periphery, 12, 57
- Permanent cultures (PC), 79, 85–87, 90, 114, 115, 159, 207, 208
- Permanent grassland (PG), 3, 9, 34, 79, 84, 85, 90, 124, 126, 149, 152, 159, 189, 209
- Plot, 4, 8, 9, 18, 68, 71, 98, 104, 110, 124, 146, 152, 198
- Political driving forces, 145, 209
- Post-communist country, 209
- Post-communist period, 95
- Post-industrial society, 137, 200, 207
- Post-materialism, 10
- Post-modern era, 18
- Post-war transfer, 20, 39, 59
- Prague spring, 102
- Pre-industrial society, 58, 68, 160
- Private property, 198
- Privatization of “national property”, 103
- Production-economic classes (PEC), 138
- Property, 43, 73, 75, 110, 125, 146, 156, 198
- Proportion change index, 83
- Proportion of relevant land use class on the total area of STU, 82
- Protectorate Bohemia and Moravia, 125
- Proximate factors, 17, 19, 50

Q

- Qualitative analyse, 18, 52
- Quantitative analyse, 50, 81, 90

R

- Real estate, 68
- Real Estate Cadaster of the Czech Republic (Katastr nemovitostí České republiky in Czech), 73

- Real Estate Record (Evidence nemovitostí in Czech), 72
- Reforestation, 11, 98
- Regional patterns, 2, 17, 32, 35, 36, 127, 137, 196
- Relative development index, 83
- Remaining areas (RA), 57, 73, 79, 85, 87, 89, 90, 126, 160, 177, 185, 201, 207, 208
- Remote sensing, 8, 20, 22, 68
- Renewable energy, 11, 46
- Resettlement programme, 198
- Residential, 45, 126, 135, 137, 152, 185, 188, 189, 206, 207, 209
- Restitution, 43, 73, 75, 146, 147, 156, 198
- Retardation index, 53
- Rokytnice nad Jizerou, 191
- Rural depopulation, 110
- Rural geography, 5

S

- Satellite images, 22, 73, 76
- Saturation index, 82, 83, 88
- Scientific-Technical Revolution, 53, 56
- Second homes, 40, 42, 90, 136, 179, 183, 189
- Second Industrial Revolution, 53, 59
- Second land reform, 125
- Semi-periphery, 56
- Serfdom, 54, 77, 107
- Settlement structure, 58, 132, 140
- Silesia (Czech Silesia), 71, 122
- Slavic colonization, 96
- Social driving forces, 15, 21, 50, 51, 68
- Social-geographical organization of the society, 99
- Socialist cooperative, 134, 135, 146, 148
- Socialist-style reform of agriculture, 133
- Socio-economic condition, 49, 56
- Socio-economical metabolism, 10
- Socio-geographical organization of the society, 51
- Soil contamination, 10
- Soil-ecological units (BPEJ), 34, 35
- Soil erosion, 10, 97
- Soil type(s), 34
- Spatial distribution/diffusion, 3, 8, 13, 32, 34, 51, 59, 86, 91, 164
- Spatial overlay, 91
- Spatial Systems of Environmental Stability (USES), 11
- SPOT, 23, 76
- Stable cadastre, 4, 21, 70–72, 77, 88, 91
- Stable land use structure, 203

- Stable Territorial Unit (STU), 57, 68, 80, 115, 132, 137, 197, 205
- State farm, 134, 135, 138
- State monopoly, 111
- State owned estate, 49, 56, 102, 103, 145, 146, 153
- State subsidy, 138, 192
- Steam engines, 51, 53–55, 108, 121
- Suburbanization, 5, 57, 76, 136, 151–153, 156, 157, 172, 198, 199, 208
- Sugar beet, 13, 36, 53, 97, 112, 114, 148, 179, 196, 197
- Survey of Land Use from the Real Estate Cadaster (Souhrnné přehledy o půdním fondu z údajů katastru nemovitostí České republiky in Czech), 73
- Sustainable science, 10
- T**
- Tax, 35, 69, 138
- Taxation, 68, 69
- Technical-Scientific Revolution, 53–55
- Technological driving forces, 19
- Theory of land use, 19
- Third Industrial Revolution, 53
- Thirty Years' War, 69, 97, 98
- Transfer of Czech Germans, 189, 192
- Transformation of economy, 144, 196, 208
- Transleithania, 22
- Transportation network, 13
- Transport cost, 12, 115, 136
- Typologies, 87, 89
- Typology of landscape changes, 88, 205
- U**
- Underlying factors, 18, 19
- Unified Land Records (Jednotná evidence půdy in Czech), 72
- Uranium mines, 172, 173, 189
- Urbanization, 51, 54, 87, 88, 116, 126, 128, 130, 137, 160, 196, 198, 200, 201, 203
- V**
- Validity, 189
- Velvet Revolution, 144
- Vineyards (Vin), 73, 74, 77, 79, 140
- W**
- Water areas (WA), 79, 85, 87–89
- Water pollution, 10
- World Atlas of Agriculture, 20