Index

Aaltonen, M. 47
ABB 224, 255, 256–7, 258, 260, 263, 266
Abernethy, D.B. xiii
Abo, T. 140
Abolafia, M.Y. 133
Abramovitz, M. 24, 237
absorptive capacity 105, 128
academic journals 102
Academy for Technology Assessment
194–5
active labor market policy 297–8
actor-centered functionalism xiv
Adema, W. 297
Adler, P.S. 140
advertising 106–7
Advocacy International xvii
AGA 256
age dependency ratios 287–8
agency xi, 34
agglomeration economies 295
aggregate demand 26
Aghion, P. 235
AGIL scheme 74–5
agriculture 167, 294
Alanen, I. 68
Alasuutari, P. 84, 117
Albrecht, J. 247
Aldrich, H.E. xvi
Alexander, J.C. 63, 65, 69, 75
Alfa Laval 256
Alford, R.R. xii
alienation 39, 189
Allardt, E. 58, 67
allocation efficiency 12, 25
allocation functions 230
Almond, M. 39, 42, 43, 44, 45, 47
Anderson, C. 96
Andersson, T. 227
anti-trust legislation 133
Aoki, M. 11
Area-based Response to Long-Term
Unemployment 297–8
Argyris, C. 33, 103, 104, 108
Arrow, K.J. 226
Arthur, W.B. 25, 161
artifacts xiii
artists 39–40, 41, 43, 109
see also arts
arts 97, 109–10
see also artists
asbestos damages 260
AssaAbloy 256
asset prices 214, 248, 250–51
Astra Zeneca 252, 256
Atlas Copco 256, 257, 260
Audi 172
Audretsch, D.B. 164, 205, 246
Australia
GDP per capita 18–19
growth of GDP per capita 16
structural competitiveness of 30
Austria
age dependency ratios 288
employment rate 284
GDP per capita 18–19, 282
growth of GDP 285
growth of GDP per capita 16
imports and exports 286
social protection expenditure 298
structural competitiveness of 30
unemployment rate 284
automation 148
automobile industry see Germany;
Japan; US automobile industry
Automotive News 138, 140

Bacho 256
Baden-Württemberg 5, 159–204
conceptual framework guiding
analysis 161–6
cell and perspectives
199–204
data on economic development in 169–71
description of region 160
development of new industrial clusters in 196–9, 200–201, 203
institutional environment of 182–92, 201–2
lean production as new Leitbild of restructuring 177–80
new challenges in the 1980s 174–6
production system in, as example of flexible specialization model 171–4, 203
reasons for studying 159–60
roots of production and innovation model in 166–9
servicization of the industry 180–82, 201–2
technology and innovation policy in 192–6, 202–3
Ballot, G. 247
Baltic Stock Exchanges 257–8
banking sector, Finnish 89
Barley, S.R. 39
Barnes, B. 124
Barro, R. 15
Barr, F. 293
Bartlett, C. 142
Bassanini, A.P. 164
Baumol, W.J. 235, 246
Bechtle, G. 167, 168, 172, 178, 190
Beck, U. 14
Beckert, J. 60
Belgium
age dependency ratios 288
employment rate 284
GDP per capita 18–19, 282
growth of GDP 285
growth of GDP per capita 16
imports and exports 285, 286
social protection expenditure 298
structural competitiveness of 30
unemployment rate 284
Bell, D. 1
benchmarking 98, 100, 115
Benson, K.J. 37, 39
Berger, P.L. ix, xi, 59
Berggren, C. 177
Bernschneider, W. 193
Biggart, N.W. xvi
BioRegions 198–9
Biotage 253
biotechnology
cluster in Baden-Württemberg 198–9, 200
competence blocs in Sweden 222, 223–4, 251
as input into other industries 239
Boelcke, W.A. 167
Bohm, D. 36, 37, 38, 39, 41, 113
Boli, J. xvii
Bonoli, G. 55
Bosch 180, 197
Bourdieu, P. ix, 53, 64
Boyer, R. 200
Braczyk, H.-J. 173, 177, 178, 189, 193, 195
Bradley, J. 293, 294
Brånumark method 271
Braverman, H. 136
Brinton, M.C. 124
broadband mobile Internet 255
Brödner, P. 177
Brown, J.S. 148
Bruijn, H. de 38, 39, 43, 45, 114
Brunsson, N. xvii
Brusco, S. 205
Bundesministerium für Bildung, Wissenschaft, Forschung und Technologie 183
Burenstam-Linder, S. 235
Bush, George Herbert Walker 144, 145, 149
Bush, George W. 75, 152
business mistakes 229, 232
CAFE standards 145, 146, 148, 151
Callan, T. 287
Callon, M. 55, 59
Campbell, J.L. ix, xii, xviii
Canada
GDP per capita 18–19
growth of GDP per capita 16
structural competitiveness of 30
Capio 253
capital markets 82, 86
Carlsson, B. 205, 217, 239, 270
Casson, M. 111
Castells, M. 1, 53, 58, 66, 72, 82, 161–2
Catalonia region 193
Index

catching up theory 15–16
related to intensive Kondratievs 19–24
Celler–Kefauver Act (1950) 133
central design authority 99
Central Statistics Office 283
centralized wage bargaining 290, 300
chance/change without control 67
Chang, H.-J. 26, 45, 112, 114, 116
charisma 65, 66
Chinoy, E. 136
Chomsky, N. 106, 107
Christensen, C.M. 11, 24, 27
Chrysler bailout 146, 150
Chrysler Loan Guarantee Act (1979) 146
Chrysler Loan Guarantee Board 146
CIM 173
citizens’ accounts 217
Clark, K. 140
Clayton Act (1914) 133
Clean Air Act (1970) 145
clusters see industrial clusters
Coase, R.H. 231
codable knowledge 233
cognitive consonance 96
cognitive dissonance 36, 37, 40, 43, 96, 99, 128
cognitive lock-in 162
cognitive paradigms xiii
Cohen, W. 103, 105
Coleman, J.S. 52, 132, 244
collective learning 3, 4, 33–4
experience, information and 95–7
factors limiting 37
policies facilitating 52, 73, 74, 97–116
research on 104
to support new techno-
organizational paradigm 165
Collins, R. 66, 75
Common Agricultural Policy (CAP) 294
Commons, J.R. 124, 131, 246
communication media, collective
learning shaped by 97, 106–8
communities 95
communities of practice 148
compensation 44, 114, 116
competence, markets for 226, 234
competence blocs 72, 222, 249
in the Experimentally Organized
Economy (EOE) 224–49
of the Lake Mäler economy 5–6,
223–4
restructuring in 249–66
as resource allocator 241
vertically complete and horizontally
varied 237, 238, 250–51, 260,
262, 264, 265, 266
competence trap 188–9
competitive corporatism 290–91
competitiveness
drivers of 13–14
indicators 27, 28
computing and communications
(C&C) industry, Swedish 222,
223–4, 251, 254–5, 260
conception of control (CoC) 125,
133–4, 141, 149
conceptual and theoretical approach 101
confederations of industry 183–4
conflict management, government role in 116
conflicts of interest 69
constructs 147
contract workers 140
Cooke, P. 172, 184, 190
cooperative model of conflict
regulation 187, 189, 190, 202
coordination efficiency 12, 25
corporate headquarters, location of
257–8, 262
corporate tax rates 294, 299
corruption 133
cost–benefit analysis 98
Courtney, D. 290
Cowling, K. 83
creative destruction 114, 224, 228
in Finland 89
four mechanisms of 225, 232
institutions and 231, 241, 242, 262
in Sweden 215, 223
credit and insurance system 168
Credit Suisse First Boston 150
Creed, W.E.D. 33, 34, 39, 42, 44, 124,
127, 129
cross-border alliances 14, 52
cults 41
cultural-cognitive elements xi, 34, 61, 75, 130
see also cultural structure
cultural columnization 69, 70, 73
cultural determinism 62, 63, 64, 126, 127
cultural frames xiii
cultural innovation 59
cultural refraction 69, 70, 73
cultural specification 69, 70
cultural structure 56, 59, 61, 62, 68, 70, 75
see also cultural-cognitive elements
cultural system, in Baden-Württemberg 189–91
cultural trauma 68, 73
culture, as institution 129
culture policy 109–10
customer competence 234–5, 254
Czarniawska, B. xiii
Czechoslovakia 16
Daft, R.L. 114
Daimler-Benz 177, 180, 188
Daimler-Chrysler (DCX) 126, 135, 139, 140, 148, 151, 152, 172
Chrysler bailout 146, 150
David, P.A. xvi, 161, 162
Day, R.H. 230, 241
de Soto, H. 245, 246
debt–GDP ratio 284, 290
decentralization of negotiations 188–9
decentralized regional network economy 159–60
defined benefit plans 151
demographic structure 56, 57, 59, 287–8
Denmark
age dependency ratios 288
employment rate 284
GDP per capita 18–19, 282
GNP per capita 218
growth of GDP 285
growth of GDP per capita 16
imports and exports 286
social protection expenditure 298
structural competitiveness 30
unemployment rate 284
dental competence bloc 254
dependence theory viii
deregulation 26, 81, 86, 220
Dertouzos, M.L. 13, 140
Deutsche Telekom 197
diagnostic part 44
dialogue, creative 113–15
Diamond, J. 57
diffusion xv
digital networking 179
DiMaggio, P.J. ix, xi, xiv, 59, 60, 124, 127
discourse analysis 103–4
discursive coordination 177, 202–3
distributed production 248, 256, 262
diversified quality production model 159, 174
Djelic, M.-L. xvii
Dobbin, F. xvi
Dohse, D. 198
Dore, R. xvii
Dosi, G. 161, 164
Double-Kondratiev waves 17–27
Douglas, M. 131
Dowd, D.F. 134
Doz, Y. 114
Drori, G.S. xvi
Duguid, P. 148
Dunn, J.A. 143, 146
Dunnett, P.J.S. 146
Dunning, J.H. 83
Durkan, J. 289
Durkheim, E. 58, 64, 65, 68
Dyer, D. 140
Dyer, J.H. 140
dynamic allocative efficiency 233
dynamic efficiency 228, 232, 237
Earthfirst xvii
economic action 65–6, 67
economic growth see growth
economic innovation 59
economic rigidities 37
economic structure 56, 57–8
Economist 280
Edquist, C. 205
Edquist, H. 220
education
collective learning shaped by 97, 108–9
Finnish system 81
Index

German system 142, 168, 173, 184–6, 193, 201–2
Irish system 280, 288–9
as social capital 245
Swedish system 218
US expenditure on 138
Western view of 261
efficiency vs equity xii, 6, 27–8, 86, 88
efficient markets 12
Eisenhower, Dwight D. 144, 149
Eisenstadt, S.N. 47
Electrolux 256, 257, 260, 261
electronics industry 159, 172, 176, 178, 183, 197, 200, 295
Eliasson, Å. 225, 229, 233, 234, 236, 240, 246, 252, 254, 258, 260, 270
emigration 290
Emirbayer, M. xi
emission regulations 145
employment–population ratio 283, 284
enclaves 131
Energy Policy and Conservation Act (1975) 145
engineering industry, Swedish 223–4, 251, 255–6, 260, 262
Enköping 256
entertaining art 110
entrepreneurship xv–xvi, 235
see also institutional entrepreneurs
entropy xii
environment
influence of 24, 34–5, 39, 41, 56–7, 59
monitoring changes in 98–9
Environmental Protection Agency (EPA) 145
equity vs efficiency xii, 6, 27–8, 86, 88
Ericsson 224, 254, 255, 257, 258, 260, 263
Eskilstuna 256
established social theories, challenges to 14–17
Etzioni, A. 37, 43, 46, 47, 96, 102, 131
European Commission 196, 282, 284, 285, 286
European Monetary Union (EMU) 86, 290
European Single Market 174, 294, 300
European Union 35, 58, 72, 86, 192–3
age dependency ratios 287–8
Common Agricultural Policy (CAP) 294
debt–GDP ratio 284, 290
employment rates 284
GDP per capita 282–3
growth of GDP 283–4, 285
growth of GNP 218, 221
imports and exports 285, 286
Ireland’s location within 282–7
Ireland’s membership of 294
Regional Policy 294
social protection expenditure 297, 298
Stability and Growth Pact 291
Structural Funds 294
unemployment rates 283, 284, 290
Eurosclerosis 12
Eurostat 285, 298
evaluation studies 98
Evans, P.B. viii
evolutionary change 17, 34, 35
in stable environments 35–8
evolutionary theory 148
Experimentally Organized Economy (EOE) 214–15, 216, 224
competence blocs in 224–49
modules making up theory of 227–8
exports 82, 86, 170, 180, 285, 286
extensive Kondratievs 17, 18–19, 26
external business activities 25, 28, 29, 32, 33
face-to-face communication 114
Fairbanks, M. 33, 35, 39, 42
Federal Highway Corporation 144
Feldman, J. 99
Ferrera, M. 298
Festinger, L. 36, 40–41, 96
Fiat 140
financial services industry, Swedish 250, 251, 257–8, 259
service sector 180–82, 183, 201
social protection expenditure 298
structural competitiveness of 28, 30, 33
unemployment rate 284
see also Baden-Württemberg
Gerschenkon, A. viii
Gersick, C.J. 33
*Gesellschaft* 129
Ghoshal, S. 110, 114, 142
Giddens, A. x, xi, xviii, 53, 55, 64, 71, 128
Gill, D. 270
Glete, J. 259
Global Entrepreneurship Monitor 2002 (GEM) 259
Gordon, R.J. 227
Gothenberg 253, 254
Goto, A. 142
government, role of
changes in 72, 83–4, 85, 86, 88, 193–4
in conflict management 116
and economic growth 13, 27–8, 29, 32, 33
in Germany 167–8, 193–4, 202–3
in path creation 165–6
in Sweden 217
in three Double-Kondratiev waves 22
in US automobile industry 143–7, 150, 151–2
Government of Ireland 294, 297
Gow, D. 188
Grabher, G. 162
Grammel, R. 196
Granovetter, M. x, 60, 66
Greece
age dependency ratios 288
employment rate 284
GDP per capita 18–19, 282
growth of GDP 284, 285
growth of GDP per capita 16
imports and exports 286
social protection expenditure 298
structural competitiveness of 31
unemployment rate 284
Griliches, Z. 235
Grinyer, P.H. 134
growth
of Baden-Württemberg region 170–71
diversity of long-term 215–16
drivers of 13–14
in the Experimentally Organized Economy (EOE) 224–30, 237–41
GDP growth rates of various countries 283–4, 285
GDP per capita growth rates of various countries 15–16
government policy and growth in Ireland 280–81
making new and small businesses the growth engine of Sweden 216–20
neoclassical theory of 15
structural competitiveness and 27–33, 42
Grupp, H. 183, 201
Guillén, M.F. viii, xvi, xviii
habit 64, 66, 128
Hakkarainen, K. 40, 108, 109
Hall, P.A. ix, xvi
Hämäläinen, T.J. 1, 2, 11, 12, 13, 14, 15, 17, 23, 25, 27, 28, 29, 34, 36, 38, 39, 41, 42, 46, 47, 52, 53–4, 55, 59, 72, 73, 93, 96, 98, 104, 105, 111, 112, 113, 114, 117, 162, 163, 164, 165
Hamilton, G.G. xvi
Hannan, M.T. xvi
Hardiman, N. 290
Hargrave, T.J. 33, 34, 35, 38, 39, 44, 47, 114
Harrison, L.E. 11, 33
Hassard, J. 55
Hauser, A. 40, 109
Haveman, R. 245
Hayek, F. A. von 269
health, as social capital 245
health industry
competence blocs in Sweden 251, 252–4, 260
technologies used in 240
healthcare expenditure 138
healthcare obligations 150–51, 152
Heidelberg 198
Heidenreich, M. 182, 183, 184, 192
Heikkilä, T. 47
Heilbroner, R. 14
Heinemann, F. 184
Heiskala, R. 1, 2, 28, 52, 55, 59, 63, 65, 73, 74, 75, 93
Held, D. 1, 71
Helkama, K. 84, 88
Helsinki metropolitan area 89
Helsinki Stock Exchange (HSE) 82
Heimerjick, A. 301
Henrekson, M. 270
Heritage, J. 69
Herman, E. 106, 107
Herrigel, G.B. 171
Hewlett-Packard 172, 197
Hietaniemi, T. 75
high technology industries
attracting to Ireland 293
in Baden-Württemberg 176, 183, 184, 194, 200
in Finland 85, 86
in Sweden 266
highway building 143–4, 265–6
Hilbert, R.A. 68
Hilpert, U. 160
Himanen, P. 82
Hirst, P. 166
Hoffman, A.W. x
Hofmann, J. 180
Hofstede, G. xi
Hollingsworth, E.J. 96, 112
Hollingsworth, R. 96, 112
Holmes, J. 140
Honda 138, 139, 142, 152, 154
Horwitz, M.J. 132
Hovenkamp, H. 132
Howes, C. 152
Howitt, P. 235
Huff, A.S. 33, 35, 37, 38, 39, 42, 43, 44, 46, 134, 147
Huff, J.O. 33, 36, 37, 38, 39, 42, 43, 44, 46, 134
Hungary 16
Huntington, S.P. 11, 33, 69
Huolman, M. 83
hybrid cars 139, 142
hybrids 131
Hyytinen, K. 100, 102, 103
Iacocca, Lee 146
IAW/ZEW 185
IBM 172, 197, 226, 237, 239
ideal types 60
ideas
communication of 45
development of new ideas 42–4
importance of x, xii–xiii
legitimacy of 45
ideology, shared 107
immigration 170, 253, 265, 268
import quotas 137
imports of various EU countries 285, 286
income differences 26, 89, 92, 216, 217, 281, 285–7, 292, 297
increasing returns 24–7, 54–5
incremental change/evolution 67
individual responses 40–41
industrial clusters 25
in Baden-Württemberg 172, 184, 194, 195, 199
development of new industrial clusters 196–9, 200–201, 203
in Finland 82, 84, 89
social capital in context of 111, 112
Industrial Development Authority 293
industrial districts 205
industrial relations system in Baden-Württemberg 187–9, 202
industry recipe, US auto industry 5, 125, 134, 135–6, 141–2, 147–53, 154
inertial costs 47
inflation 28, 29, 32
information and communication technologies (ICT) 14, 71, 89, 185, 186
see also computing and communications (C&C)
industry, Swedish
information paradox 230
Inglehart, P. 189
Ingrassia, P. 140, 141
inheritance taxes 265
innovation
definition of 53–6, 226
markets for 240
see also cultural innovation;
economic innovation;
normative innovation;
GNP per capita 218, 221
growth of GDP per capita 16
growth of GNP 221
macroeconomic policies 12
structural competitiveness of 28, 30, 33
Jessop, B. 66, 72
Joas, H. 64, 65, 66
Joerges, B. xiii
Johansson, D. 220, 222, 255, 260, 270
Johnson, B. 162, 164, 205
Johnson, C. 142
Johnson, H.T. 132
Johnson, Lyndon B. 145
Johnson, P. 100–101, 102, 103, 105
joint decision trap 199
Jürgens, U. 142
Jyväskylä region 89
Kamata, S. 142
Kantola, A. 84
Kaplan, R.S. 132
Karnoe, P. 161, 165
KaroBio 252
Käslser, D. 60
Kay, J.H. 153
Keck, O. 142
Keller, M. 141
Kelly, G.A. 147
Kemp, R. 200
Kennedy, Edward 145
Kenney, M. 140
Kerkelä, H. 15
Kern, H. 173, 179, 185, 189
Kerst, C. 172
Keynes, J.M. xii, 104
Kickert, W.J.M. 166
Kilpinen, E. 75
Klages, H. 189
Klepper, S. 135
Klijn, E.H. 166
 Klinge, B. 271
Knight, F. 235
knowledge
as scarce resource 228
as social capital 245
knowledge economy 185–6, 194, 202, 225, 228, 234, 294
knowledge intensive business services (KIBS) 181–2, 183, 201
knowledge vision 113
knowledge workers 151, 152, 179
Kodama, F. 142
Kogut, B. 161
Kondratiev, N. 17
Koppenjan, J.F.M. 166
Krantz, O. 218, 244
Krauss, G. 182, 183, 184, 192, 195, 198
Krugman, P. 296
Kuhn, T.S. 102
Kuitunen, S. 100, 102, 103
Kumar, P. 140
labor costs 175, 178, 180, 188
Laitmäki, J. 11
Lake Mälar region, competence blocs of 5–6, 223–4
restructuring in 249–66
Lampinen, O. 100, 101, 102, 103, 104, 116
Lang, C. 167, 168, 172, 178, 190
Lange, O. 269
language, as institution 129, 241
Lash, S. 1
Laszlo, E. 43
late-industrialization arguments viii
Latour, B. 55, 57, 59
Lauder, H. 101
Law, J. 55
Lawrence, P.R. 140
Lay, G. 173, 181
Layte, R. 287
Leadbeater, C. 99, 100
lean production technology 140, 141, 149, 177–80
learning organizations 115
Lee, D.R. xvi
Leff, N. ix
legitimate behavior 47
Leibenstein, H. 47
Leibinger, B. 168, 169, 190
Lengel, R.H. 114
Levinthal, D. 103, 105
Lilja, K. 188
Lind, D. 220
Lindblom, C.E. 36, 96, 101, 102, 103
Lindmark, M. 244
Lindsay, S. 33, 35, 39, 42
Index

Lipponen, L. 40, 109
Lipsey, R.G. 24, 25
Littleton, A.C. 132
lock-in 24, 111, 162, 192, 259
Lombardia region 193
London Stock Exchange 257, 258
long socio-economic cycles 3, 16, 17–27
Lonka, K. 40, 109
Louca, F. 1, 11, 58
Luckmann, T. ix, xi, 59
Luhtakallio, E. 93
Lullies, V. 185
Lundvall, B.-A. 161, 199, 239
Luxembourg
age dependency ratios 288
employment rate 284
GDP per capita 282
growth of GDP 285
imports and exports 285, 286
social protection expenditure 298
unemployment rate 284
Lyotard, J.-F. 66
Maastricht criteria 290, 291
macro-organizational approach 72, 83
macroeconomic policies 12, 116, 193
Maddison, A. 15, 16
Maier, H.E. 168
Mäki, T. 40, 110
Malinvaud, E. 233
management schools, Swedish
international firms as 261–2
Mann, M. 55–6, 64, 65, 66, 75
March, J.G. ix, xi, 127, 148
market failures 12
market power 54, 55, 131, 137, 142–3
market size 233
Martin, R. 111
Marx, K. 57, 62–3, 104, 233
material (technological) determinism
62–3, 64, 126
Matthew, St 66
Maynard, M. 136
Mayntz, R. 166
McClarence, E. 271
McGee, J. 147
McKenzie, R.B. xvi
Mead, G.H. 65
mechanical engineering industry 159, 167, 170, 172, 175, 178, 180, 183, 199, 200
media and communication policies 97, 106–8
Media- and Filmgesellschaft Baden-Württemberg (MFG) 196
Menger, C. 229, 241
mental paradigm 36, 162
creation of new 43–4, 46, 84–8, 96–7
included in cultural structure 59
rigidities in 4–5, 11–12, 24, 37, 39, 41, 111
Mercedes Benz 177–8
mergers and acquisitions 133, 238, 258, 260
Merton, R.K. 67
metal industry 187–8
metaphors 114
Metcalf, S. 161, 165
Meyer, J.W. ix, x, xiii, xv, xvi
Micronic 255
Miettinen, R. 72
Milberg, W. 14
Mische, A. xi
mobile telecommunications 254–5
mobilization processes 47
modernization theory viii
modular sub-systems 99
Moe, T. ix, xiv
Mohr, H. 198
monopoly rents 229
moral dissonance 36, 40
Morgan, K. 172, 190, 194
MOSES model 227, 247
Mowery, D.C. 138
MTI 83, 88
muckrakers 43
multimedia cluster in Baden-Württemberg 196–8, 200, 203
Murmans, J.P. xvi
Nader, Ralph 145, 150
Nahapiet, J. 110, 114
Naschold, F. 159, 173, 174, 175, 178, 185, 189, 190
nation state 57, 58, 66, 246–7
National Anti-Poverty Strategy 287
national business systems 5
National Competitiveness Council 294, 299
national culture, Finnish 85, 87, 88
National Economic and Social Council (NESC) 284, 289, 290
National Employment Action Plans 298
National Highway Traffic Safety Administration (NHTSA) 145
national innovation systems 72, 181
National Research Council 140
natural environment 34, 35, 39, 41, 56–7, 59
Nee, V. ix, 124
negative coordination 172
negative feedback 107
Nelson, R.R. xvi, 134, 161, 199, 231, 239
neoclassical approaches viii–ix, 12, 14, 15, 60–61, 116, 226, 227, 228, 233, 235
NESC see National Economic and Social Council (NESC)
nested hierarchies 33, 34–5, 127
Neter, J. 29
Netherlands
age dependency ratios 288
employment rate 284
GDP per capita 18–19, 282
growth of GDP 285
growth of GDP per capita 16
imports and exports 285, 286
social protection expenditure 298
social protection expenditure 298
structural competitiveness of 30
unemployment rate 284
network externalities 25
network relationships 14, 52
in Baden-Württemberg 179, 191, 194, 197, 202
emergence of more complex 57
facilitating policies 97, 110–12, 191, 194
in Finland 86
in flexible developmental state 295, 296
in flexible specialization model 172
policy networks 166
social capital and 38, 110–12
Neuer Markt 187
New Deal 133, 149
New Economy
conditions for successful entry into 226–7, 267
management task in 261
opportunities offered by 218
problems of entering 214–16
receiver competence necessary to enter 224
technologies associated with 222, 223
new institutionalists 14, 58, 60, 124, 128
new technology see technological innovation
New Zealand
difference between GNP and GDP 283
GDP per capita 18–19
structural competitiveness of 30
Nissan-Renault 140, 152, 154
Nixon, Richard Milhous 63, 69
NobelBiocare 254
Nokia 197, 254–5
Nolan, B. 286, 287, 292
non-governmental organizations (NGOs) 58
Nonaka, I. 75, 113, 114
Normann, R. 148
normative innovation 59
normative structure x–xi, 34, 56, 58–9, 61, 62, 70, 130
North, D.C. ix, x, 11, 14, 33, 38, 39, 46, 58, 60, 104, 129, 132, 231, 246
Norway
GDP per capita 18–19
growth of GDP per capita 16
structural competitiveness of 30
NUMMI 140
O’Connor, J.S. 292, 297
O’Hearn, D. 296
O’Leary, J. 289, 295
O’Riain, S. 295–7, 299
Odagiri, H. 142
OECD 15, 28, 72, 161, 186, 221, 283, 284, 292, 296, 297, 299
‘off-shoring’ 140, 152
Ohmae, K. xvi
oil crisis/prices 144, 216, 226, 244, 261
Okimoto, D.I. 142
Okun, A.M. 6, 27
Oliver, C. xi, 39
Olsen, J.P. ix, xi
Olson, M. 36, 37, 44, 45, 46
OM 257
OMX 257–8
Open Source development networks 97, 99–100
organizational analysis, comparative 105
organizational approach 199, 200
organizational culture, learning-oriented 97, 115
organizational efficiency 25, 28, 29, 32
organizational innovation 53
organizational principles and arrangements 62
organizational trajectories 161–2
organizations compared with institutions 230, 231
as source of power 44, 45–6
Orren, K. 152
Orrù, M. xvi
Ostrom, E. ix
Ouchi, W.G. 131
Oulu region 89
over-engineering 185
Pajarinen, M. 82, 83
Pakes, A. 235
Palier, B. 55
Palonen, K. 66
Palonen, T. 109
Parsons, T. 55, 58, 63, 65, 74–5
patent applications 183
path creation 5, 162–5
changing role of state in 165–6
path dependency xvi, 5, 39, 161–2
Pariotta, G. 140, 148
Pavitt, K. 162, 251
Pet, D. 41, 113
Peirce, C.S. 65
Peiruž, U. 177
Pelikan, P. 231
pension obligations 150–51, 152
Perbio Science 254
Perez, C. 1, 2, 11, 14, 17, 23, 24, 27, 58, 162
perfect markets 13
Peters, B.G. ix, x
pharmaceutical industry
competence blocs in Sweden 251
Pharmacia 252, 254
withdrawal from Uppsala 223, 258–9, 260, 262–4
Pharmacia Biotech 253, 254, 262
physical infrastructure 265–6, 268
Pierson, P. ix, xiv
Pietism 168–9
Piori, M. 171
planned economy 84, 86
Platt, G.M. 58, 63, 75
Pohjola, M. 81
Polanyi, K. 60, 66
Polanyi, M. 75
policy networks 166
political decision making processes 102–3, 242
political lock-in 162
political regulation 65, 66, 67
political struggle 44–6
pollution 55, 126, 143
regulations controlling 145
Ponsi schemes 133
Porsche 172
Porter, M.E. 39, 47, 182
Portugal
age dependency ratios 288
employment rate 284
GDP per capita 18–19, 282
growth of GDP 284, 285
growth of GDP per capita 16
imports and exports 286
social protection expenditure 297, 298
structural competitiveness of 31
unemployment rate 284
positive theory of institutions xiii–xiv
Powder, R. 111
poverty rates 285–7
Powell, W.W. ix, xiv, 59, 60, 124, 127
power
collective 56, 70–71, 72–3, 128
corporate and managerial 129–34
different viewpoints on role of 128–9
distributive aspect of 56, 70–71, 128, 129
instruments for using 44
as a resource 55–6, 70–71
social institution ameliorating 124
sources of 44–6
of US auto industry 135, 149–50, 152, 153
private corporations
conception of control (CoC) 125, 133–4
emergence of 132–3
legislation limiting power of 133
privatization 218, 242, 244
product market sophistication 25, 28, 29, 32
product variation 234
production possibilities frontiers 229, 232
productive forces, development of 57
productive resources 25, 28, 29, 32
profit centers 177, 179
prognostic part 44
programs xiii
progressive art 109–10
progressive taxation 91
property rights 230, 231, 241, 245, 246
prophets 43, 66
public goods and services 36, 38, 62, 99, 112, 115, 217, 243–4
public investment 27–8
public sentiments xiii
Putnam, R. 245
Pyke, F. 171
Quack, S. xvii
quality circles 178
radical change/revolution 67
radical knowledge see transforming knowledge
Raff, D.M.G. 140
railways 266
rational choice xiv–xv
Reagan, Ronald W. 145, 146, 149
real division of possession 167
Realteilung 167
rebellion 67, 68
receiver competence 224, 228, 235, 237, 238, 248, 249, 251, 260, 267
recession 170–71, 174, 214, 248, 249, 255
threshold level of 42
recombination xv
regional banks 186–7
regulative innovation 59
regulative structure x, 34, 56, 58, 59, 61–2, 130
regulatory framework 62
Reich, R.B. 152
relational systems xiii
relations of production 57
religious institutions 131, 168–9, 244–5
Renn, O. 178, 179, 181, 191, 200, 203
research, social science 97, 100–106
research and development
in Baden-Württemberg 179, 182–4, 201
in Finland 86
location in Sweden 252
resources
competence bloc as allocator of 241
productive 25, 28, 29, 32
as source of power 44, 45
retreat 67, 68, 73
Reuter, Edzard 188
revolutionary change 17, 34, 35
during paradigm shifts 38–46
Rhône Alpes region 193
risk, attitudes to 190–91, 199, 214
ritualism 67, 68, 69, 70
road building 143–4, 265–6
Rodrik, D. 116
Rogers, E.M. 53, 54
Roland, G. x
Romanelli, E. xvi
Romer, P.M. 134
Rosenberg, N. 138
Rostow, W.W. viii
Roth, S. 188
routines xiii, 114, 299
Rowan, B. ix, x, xv
Rowthorn, B. 26, 45, 112, 114, 116
Roy, W.R. 134
Ruuska, P. 84
Sabel, C.F. 159, 164, 171, 179, 185, 186, 205
Sahlin-Andersson, K. xiii
St John, C.H. 111
Sala-I-Martin, X. 15
Salter, W.E.G. 270
Salter curve 269, 270
sanctions 58, 59, 61, 62, 66, 130
SAP 172, 197

Timo J. Hämäläinen and Risto Heiskala - 9781847206992
Downloaded from PubFactory at 09/18/2023 10:43:06AM
via free access
Särimner effect 229–30
Scania 256, 257, 260
Schäfer, M, 180
Scharpf, F.W. 199
Schell, T. von 198
Schluchter, W. 65, 75
Schön, D.A. 14, 33, 39, 40, 41, 42, 43, 45, 46, 47, 95, 98, 106, 113
Schöngen, K. 185
Schoonhoven, C.B. xvi
Schroeder, R. 64
Schumann, M. 173, 174
Schumpeter, J. 17, 53, 74, 164, 224, 226, 229, 235, 239, 240
Schutz, A. 59, 147
Scott, W.R. ix, xii, xiii, xvii, 14, 33, 34, 39, 42, 43, 47, 61, 104, 130
second order learning 96–7, 108, 115
SEL-Alcatel 172, 197
selective corporatism 193
self-invention 179
self-organization 194, 202
Selznick, P. 131
Semlinger, K. 173, 174, 182
Senge, P. 37
Sengenberger, W. 171
sense-making xv
Seo, M.-G. 33, 34, 38, 39, 42, 44, 124, 127, 129
service sector 180–82, 183, 201
Shake Loose Hypothesis 224, 248–9, 254, 259, 263–4
shared experiences and information 96
shared ideology 107
shared vision 97, 112–15
Shepsle, K.A. xiv
Sherman Act (1890) 133
Shnayerson, M. 139
Simon, H.A. 127, 148
Simonde de Sismondi xvii
Single European Market 174, 294, 300
Sjöstrand, S.-E. xii
small pilot projects 97, 99
Smelser, N.J. 60, 75
Smith, Adam 104, 233, 245
Smith, J. xvii
Smith, K. 199
Smith, Roger 148
social capital 38, 96, 110–12, 114, 226, 228, 244–5, 248
social conditioning 44, 45–6, 112, 113
social inclusion 291, 292, 298
social innovation
approaches to studying xiii–xvii, 60–64
definition of 3, 60–61, 74
in Finland 88–9, 90–92
as key to economic development 33
structural reproduction, change and 64–71
theory of social innovation process 33–5
third industrial revolution and 71–3, 74
social insurance 245
social norms 58–9, 63
social order, reactions to 67–8
social partnership, Irish 289–91, 296, 298, 300
stages in development of 291–2
social protection expenditure 297, 298
social rigidities 38
societal reproduction 67, 68, 72–3
sources for 64–7
sociology 14–15, 58, 60
Södertälje 224, 251, 252, 256
Soete, L. 24, 251
software industry, Irish 295, 296
Sony 197
Soskice, D. ix, xvi
Soviet Union 16, 81, 89
Spain
age dependency ratios 288
employment rate 284
GDP per capita 18–19, 282–3
growth of GDP 284, 285
growth of GDP per capita 16
imports and exports 286
social protection expenditure 297, 298
structural competitiveness of 31
unemployment rate 283, 284
specialist subcontractor supplies 256–7
specialization
in Baden-Württemberg 169, 170, 172, 181
increasing specialization of social sciences 102
increasing specialization of work 96, 98, 111
and productivity 233
specification–generalization scale 63–4
structural approach emphasizing 199
in Swedish engineering industry 256
Spender, J.-C. 125, 134, 147, 148
spillovers 38, 102, 238–9, 246, 249, 255, 256, 266
Springer, R. 203
stable knowledge 96
Stahlecker, T. 198
Stankiewicz, R. 205
starting point, and economic growth 24, 28, 29, 32–3
Statistisches Landesamt 183
Steffensen, B. 172, 174
Steinbeiss Stiftung für Technologietransfer 184
Stigler, G.J. 233
Stiglitz, J.E. 12, 99, 107, 112–13, 114
Stockholm 224, 249, 251, 252, 254, 255, 256, 259, 263, 265, 266
Stockholm Stock Exchange 256, 257, 264
Strambach, S. 181, 195
Strang, D. xiii
strategic groups 147
strategic policy intelligence (SPI) 97, 98–9, 115
Streeck, W. 159, 174
structural adjustment capacity 6, 24, 97, 110, 126–7, 128
and economic growth 27–33
structural approach 199
Structural Funds 294
structural lock-in 162
structural rigidities 12
structuralist-functionalist tradition 58
structuration theory x, xi, 53, 56, 128
structures
definition of 34
types of 56–60
Sturm, R. 192, 193, 194
Stuttgart region 159, 160, 181, 196–8
subsidies 192–3
Suchman, M.C. xv, 42, 47
Sugden, R. 83
sunk costs 24
Sunley, P. 111
supranational institutions 111
Swedberg, R. 53, 54, 60, 64
Sweden
age dependency ratios 288
education system 218
employment rate 284
entering a new and immediate economy 214–69
case of all Sweden 266–9
history determines the economic geography 220–23
making new and small businesses the growth engine 216–20
problems of entering a new economy 214–16
restructuring in the Lake Mäler region 249–66
three industrial competence blocs of the Lake Mäler economy 5–6, 223–4
GDP per capita 15, 18–19, 282
GNP per capita 218, 221
growth of GDP 285
growth of GNP per capita 16
growth of GNP 218, 221
imports and exports 286
manufacturing production 218, 219, 220
public sector 217
R&D intensity 182
social protection expenditure 298
social science research in 116
structural competitiveness of 30
tax system 217, 241, 245–6, 265, 268, 270
unemployment rate 284
Swidler, A. xi
Switzerland
GDP per capita 18–19
structural competitiveness of 30, 33
symbolic systems xiii
systemic approach to structural adjustment 11–14, 98
systemic rigidities 38
Sztompka, P. 68, 73
tacit knowledge 75, 100, 129, 228, 233
Takeuschi, H. 75
Tampere region 89
taxes
  German 167
  Irish 291, 294, 299, 300
  progressive 91
  Swedish 217, 241, 245–6, 265, 268, 270
  US 142, 144–5
Taymaz, E. 232, 239, 247
technical efficiency 12–13, 25
techno-economic innovation 59
techno-economic structure 58, 59, 62
techno-organizational path 162
  path creation 162–5
  changing role of state in 165–6
  technological determinism see material (technological) determinism
  technological innovation
    commercialization of 215, 224, 228, 233, 237, 238–9, 249, 253, 259, 260, 266, 267, 268, 269
    and economic growth 28, 29, 52, 239–40
  improved performance from 55, 59, 123
  increasing returns from 25
  path dependency and 161–2
  research on 53, 54
  as social innovation 60
  technological structure 56, 57
  technology forecasting, assessment and foresight 98
  technology policy
    in Baden-Württemberg 192–6, 202–3
    in Finland 84
  technology transfer institutions 178–9, 183–4, 193
  telecommunications industry 82, 84, 86, 254–5
  TeliaSonera 255, 260
  terrorism 41, 138
  tertiary education 186, 202, 289
  Teubal, M. 164, 165
  think tanks 105
  third industrial revolution 71–3, 74, 123
  Thomas, G.M. xvii
  Thomas, H. 147
  Thomas, R.P. 246
  Thompson, G. 166
  three institutional pillars 34, 61–2, 130–31
  threshold level 42
  Toennies, F. 129
  Tolbert, P.S. 39
  totalizing theory 148
  Toyama, R. 113, 114
  Toyota 138, 139, 140, 142, 152, 154, 177
  Trachtenberg, A. 134
  trade unions
    in Baden-Württemberg 170, 178, 187–9, 193
    in Finland 244
    in Ireland 289–92, 300
    in Sweden 243, 244, 265
    in the US auto industry 136, 146, 150, 151, 152
  trans-departmental innovation
    advisory board 194
  transactions costs 228, 229, 233, 246, 247
  transforming knowledge 96–7
  Transportation Equity Act for the Twenty-First Century (TEA-21) 145
  Trautwein, J. 168
  Travers, J. 295
  Tricker, R.I. 132
  trust 172
  Tubke, A. 98, 116
  Tuomi, I. 53, 54, 99
  Turja, T. 101, 102, 103
  Turkey 18–19, 31
  Turku-Salo region 89
  Tushman, M.L. xvi
  Ulm 193, 194, 198
  uncertainty, sources of 47
  unemployment rate 81, 89, 170, 283, 284, 290
  uniformity 67, 68
  United Kingdom
    age dependency ratios 288
    employment rate 284
    GDP per capita 18–19, 282
    GNP per capita 221
    growth of GDP per capita 15, 16
imports and exports 286
social protection expenditure 298
structural competitiveness of 30
unemployment rate 284
United Nations 288
United States
economic and legal system 132–3
expenditure on cars, education and healthcare 138
GDP per capita relative to other countries 15, 18–19
growth of GDP per capita relative to other countries 15, 16
growth of GNP 218, 221
structural competitiveness of 30
universities 178–9, 182, 184, 192, 201, 252, 253
advanced firm as a technical university 238–9, 254
Uppsala 224, 251, 252, 269
Pharmacia withdrawal from 223, 258–9, 260, 262–4
Urry, J. 1
US automobile industry 4–5, 123–54
characteristics of cars 138–9
conception of control (CoC) in 141, 149
consumer expenditure 138
employment in 139–40, 151
evolving US market 137–43
fuel taxes 144–5
government legislation influencing 143–7
hybrid cars 139, 142
industry recipe 5, 125, 134, 135–6, 141–2, 147–53, 154
labor relations in 152–3
market share of Big Three 136, 137, 138, 140, 151
mileage driven 139
motor tax revenues 139
pension and healthcare obligations 150–51, 152
power of 135, 149–50, 152, 153
productivity in 140, 151
total vehicle production 138
understanding of market 141
US Department of Transportation 139
utopians 43
Uusitalo, H. 89
value commitments 58–9, 63
values, change in 189–90
Van de Ven, A.H. 33, 34, 35, 38, 39, 44, 47, 119
vanguards 43
Västerås 224, 251, 255, 263, 266
Venkula, J. 40, 109, 110
venture capital 6, 187, 224, 235–6, 238, 253, 258, 259, 264
Vikström, P. 244
violence 64, 65, 66
Virtanen, A. 74
vision, shared 97, 112–15
Visser, J. 301
vocational training 179, 184–6, 193, 201–2
Vogel, E.F. 226
Volvo Construction Equipment (VCE) 256
Wacquant, L. ix
Walla, W. 179
Wallerstein, I. viii
Walton, M. 141
Ward’s 138
Wärneryd, K. 241
Wasserloos, G. 173
Watergate crisis 63, 69
Weber, M. xvi, 52, 59, 64, 65, 66
Weick, K. 39, 108, 109, 114, 115, 117
welfare state 46, 81, 84, 93, 281, 297–9
Wengel, J. 173
Wenger, E. 148
Werthén, Hans 261
Westney, D.E. xiii
White, J.B. 140, 141
Whitley, R. xvi
Wiebe, R.H. 134
Wihlborg, C. 241, 242, 245, 246
Wilenius, M. 109
Wiles, P. 102
Williamson, O.E. ix, x, xiv, 37, 60, 131, 246
Wilson, Charles 143
Winch, P. 59
windows of opportunity 68–9, 163
Winter, S. 231
Wittke, V. 176, 179
Wolf, H.-G. 196, 197, 198, 200
Index

Wolfe, B. 245
Womack, J.P. 11, 13, 137, 140, 177
Woolcock, M. 38, 111
World systems theory viii
Wright, G. 134

Young, O.R. xiv, xvii
Young Foundation 2
Ysander, B.-C. 243, 261

Zaltman, G. 199
Zucker, L.G. xii
Zukunftskommission ‘Wirtschaft 2000’ 175, 176, 187, 190–91, 193–4, 205