

Index

- Acs, Z. 108
Aghion, P. 1, 256
Ahmed, V. 423
Aho Group 209
Akrich, M. 108
Albert, P. 108, 118, 119
Aldrich, H. 320, 388, 389, 412
Allen Consulting Group 239, 248
Ambastha, A. 403
Amjad, R. 423
AMTS 444
Andersson, T. 195
Anprotec 372
Arnolds, E. 191, 204
Arora, A. 395, 397, 400, 402, 407
Arrow, K. 58
Arundel, A. 88
Athreye, S. 395, 397, 400, 404, 405, 406, 407
Atri, B. 389
Audretsch, D. 1, 25, 34, 96, 108, 109, 198, 307, 311
Australia
 AIC 252
 clusters, science parks, incubators 247
 development level of the NIS 234
 federal and state initiatives 238
 general support for NTBFs 236
 policy impact and future direction 249
Avnimelech, G. 311, 315

Bagde, S. 402
Bajpai, N. 391
Balachandrine, G. 390
Bank of Japan 50
Bashir, M. 425
Battelle Labs 35
Baum, J. 307, 311
Baumol, W. 108

Becker, C. 313
Benneworth, P. 79
Bereglund, D. 29, 36
Bergren, C. 187
Bernasconi, M. 108
Berry, A. 450
Bessant, J. 84
Birch, D. 98
Braudel, F. 189, 193
Brazil
 challengers and opportunities for MSEs 373
 establishing local productive systems 378
 NIS, brief introduction 362
 role of MSEs in the NIS 366
 SEBRAE 373, 378
Breznitz, D. 309, 310, 313, 316
Burnett, H. 247
Bush, V. 23

Campbell, D. 389
Capello, R. 409
Carlson, D. 35
Carlsson, B. 194, 196, 350
Cassiolato, J. 364, 370, 379
Castells, M. 219
Cervieri, C. 378
Cheah, H.B. 401
Chen, H. 298, 304
Chesbrough, H. 88
Chesnais, F. 110, 373
China
 impact of economic reforms 333, 342
 national policy framework for S&T 322
 S&T policy and entrepreneurship interplay 348
 science parks and high-tech zones 346

- Coburn, C. 29, 36
 Cohen, W. 65, 92
 Colombo, M. 139
 Commission of the European Communities 138
 Condom, P. 151, 157
 Connell, D. 85
 Cook P. 1. 164, 204
 Coombs, R. 74, 85, 92
 Corona, L. 25, 29
 Coutinho, L. 373, 376
 CRC Association 237
 Cripps, D. 248
 CRUI 129
 Curran, J. 104
 Cytermann, J. 121
- Dahmén, E. 194, 197
 Davies, A. 84
 Deloitte 221
 Dess, G.G. 244
 DEST 236, 237, 240
 Dhawan, S. 403
 DIUS 87
 Dodgson, M. 342, 356
 Dohse, D. 98, 99, 100, 101, 102, 105
 Dosi, G. 209
 Drexler, E. 425
 DST 446
 DTI 82, 450
 Dujarric, R. 418, 425
 Durantón, G. 59
- EDA 36
 Edquist, C. 187, 193, 196
 Egten, C. 219
 Eickelpasch, A. 99, 102, 105
 Eisinger, P. 34
 Eklund, M. 196
 Eliasson, G. 197
 Epifori, E. 136
 Ergas, H. 21
 Eriksson, A. 195
 Erixon, L. 195
 Esty, B. 404
 Etzkowitz, H. 1, 88, 196, 203
 EU 125
 Eurobarometer 132
 European Commission 143, 158
- European Regional Development Fund 145
- Fayolle, A. 108
 Fier, A. 97, 98
 Fiol, C. 320
 Fitzgerald, R. 259
 Flack, O. 105
 Fleck, L. 193
 Florida, R. 36, 110
 France
 - entrepreneurial support structures 110
 - government involvement in S&T 108
 - public incubators program 118
 - regionalized neo-Colbertism 121
 - research and innovation policies 116
- Freeman, C. 162, 329, 332, 349
 Frenkel, A. 309
 Friborg, G. 193
 Fridlund, C. 187, 193, 194
 Fritsch, M. 99, 102, 105
 Furtado, C. 382
- Galli, R. 97
 Gambardella, A. 402
 Ganesh, U. 396
 Gans, J. 235
 Gao, J. 333
 García-Quevedo, J. 158
 Germany
 - evolution of NIS 97
 - future prospects 104
 - regional case studies 99
- Geuna, A. 88
 Ghemawat, P. 404
 Gibbons, M. 196
 Gibcus, P. 221
 Giesecke, S. 100, 101
 Gill, P. 88
 Gillin, M. 238, 251
 Gilmore, R. 236, 253
 Glaeser, E. 58
 Gradus, Y. 308, 318, 320
 Grulke, W. 457
 Gu, S. 355
 Guillaume, H. 119
- Hagiú, A. 418, 425
 Håkansson, H. 196

- Haour, G. 311
 Harhoff, D. 97, 98
 Hawley, A. 389
 Hayes, R. 235
 He, Z. 282
 Heeks, R. 404
 Héraud, J.A. 109
 Herrington, M. 453, 454
 Herstatt, G. 391, 397
 Himanen, P. 219
 Hindle, K. 239
 Hofstede, G. 319
 Honig, B. 319
 Hotz-Hart, B. 163
 Howitt, P. 256
 Hu, Mei-Chih 427
 Hughes, A. 77, 79, 88, 92
- IBGE 370
 Ilavarasan, P. 403
 Imai, Y. 52
 India
 case of Indian software industry
 394
 infrastructure and policy support
 404
 key features of public S&T support
 391–3
 NASSCOM 396–9, 408
 software industry evolution, exports
 395–400
 Innometrics 209, 210
 Inno-Policy 127, 130, 135, 136, 139,
 140
 InnovatiePlatform 216
 Israel
 key success factors in S&T
 development 311
 S&T support and national needs 307
 state S&T infrastructure and
 programs 321
 Italy
 financing and other programs 139
 innovation and entrepreneurship
 programs 132, 136
 ISTAT 135
 national innovation system elements
 126
 technology districts 137
 Iyenger, P. 408
- Jacobs, J. 58
 Jang, B-R. 161
 Jang, Y. 21, 23, 24, 28, 30
 Janz, N. 197
 Japan
 cluster policies 51–6
 historic development of S&T policy
 48–56
 Industrial Cluster Study Group 53,
 56
 METI groups 53
 MEXT 50, 54
 national R&D expenditure 50
 TAMA project 59–68
 Japan Patent Office 67
 Jefferson, G. 333
 Jones, A. 238
- Kahn, M. 445
 Kaiser, R. 98
 Kanto Regional Bureau 59, 60, 61, 64
 Kautonen, T. 103
 Kayne, J. 36
 Khanna, T. 405
 Kim, L. 161, 167, 356
 Kim, S-H. 161
 Klandt, H. 98
 Klofsten, M. 196, 203
 Koch, L. 103
 Kodama, T. 64, 65, 66, 67, 69
 Koh, W.T.H. 271, 277
 Konana, P. 402
 Kortum, S. 273
- Laestadius, S. 187, 193, 194, 203
 Lakha, S. 407
 Lambert, R. 88
 Lamy, E. 120
 Lan, W-J. 286, 287
 Langlois, R. 259
 Langlois-Berthelot, M. 111–16
 Larédo, P. 108, 110, 116–18
 Lastres, H. 379, 380, 381
 Lavinthal, D. 65, 306
 Lawton Smith, H. 75
 Lee, J. 291, 303
 Lee, L. 282
 Lehmann, E. 1
 Leijnse, F. 210, 219
 Lemos, C. 378, 381

- Lerner, J. 273
 Levebvre, L-A. 286
 Levinthal, D. 92, 306
 Levratto N. 120
 Levy, R. 109
 Leyden, D. 269
 Leydesdorff, L. 1, 88, 203
 Li, X. 350
 Lin, J-H. 303
 Linderoth, S. 193
 Lindholm Dahlstrand, Å. 198
 Link, A. 269
 Liu, X. 329, 349, 350
 Lumpkin, G.T. 244
 Lundstorm, A. 340
 Lundvall, Bengt-Åke 1, 162, 163, 332, 333, 349, 355
- Maas, G. 453, 454
 Mai, C-C. 296, 297
 Malerba, F. 82
 Mangena, M. 445
 MAR (Marshall–Arrow–Romer) 58
 Marcelle, G. 446
 March, J. 306
 Marion, S. 119
 Marshall, A. 58
 Maskell, P. 162, 163
 Mathews, J. 402, 427
 McGuire, S. 188
 McMurray, A. 247
 Mehra, K. 403
 Mian, S. 119
 Mirza, J. 421
 Mitra, J. 388, 409
 Mlavsky, E. 309
 Momaya, K. 403
 Mowery, D. 21, 32
 Mueller, P. 428
 Mustar, P. 108, 110, 116–18
- NACI 445, 447
 Nahm, K-B. 161
 Naim, S.T.K. 426, 437
 Natarajan, G. 396, 406, 407
 National Academies 31
 National Knowledge Commission 391, 397
 National Science Board 32
 National Science Council 286
- Nelson, R. 1, 31, 259, 314, 330, 332, 355, 389
 Netherlands, The
 Dutch system of STI 211
 financing and advice 223
 innovation platform 218
 S&T based regional development 215
 NetVal 129, 136
 NGA 35, 36
 NISTEP 50
 Norgren, L. 189, 191, 192
- OECD 88, 125, 130–32, 143, 163, 187, 189, 195, 198, 210, 214, 258, 312, 330
 Ohlsson, L. 196
 O'Reilly, Ch. 306
 Ortín, P. 158
 Osama, A. 426
- Pakistan
 case of IT and software industry 430
 conceptual framework for analysis 417–19
 efforts in infrastructure development 424
 national challenges and S&T support 421
 Park, D-B. 161
 Park, S.O. 161, 164, 165
 Parthasarathy, B. 404, 405
 Peled, D. 313
 Pelepu, K. 405
 Philips KPA 239
 Plosila, W. 1, 20, 25, 29, 34, 36, 43
 Popkin, J. 408
 Porter, M. 56, 57, 58, 110, 235, 417, 424, 435
 Poyago-Theotoky, J. 158
 Prange, H. 98
 Puga, D. 59
 Putnam, R. 166
- Rahman, A-U. 426
 Ralston, L. 243
 Rider, C. 246
 Riditt 126, 127
 Roberts, G. 88, 95
 Rogers, E. 388

- Rolfstam, M. 187
 Romer, P. 58, 132
 Roper, S. 309, 317
 Rosenberg, R. 21, 31, 32
 Rosenfeld, S. 20, 33
 Rosenthal, S. 58
 Rothwell, R. 256, 303
- Sachs, J. 391
 Sainsbury Review 77
 Sandgren, P. 199
 Sandström, U. 196
 Sauviat, C. 373
 Saxenian, A. 36, 163, 320, 400
 Scherzinger, A. 97
 Schilling, M. 342
 Schoening, N. 259
 Senior, D. 306
- Singapore
 constituents of the S&T framework 263
 government support programs 269
 national technology plans 260, 261, 262
 Singaporean model of S&T policy 258
- Singer, S. 306
 Singh, A. 257–82
 Singhal, A. 388
 Smuts, J. 445
 Sole 24 Ore 136
 Solow, R. 132
 Sommers, P. 35
 Sörlin, S. 197
- South Africa
 historic perspective on S&T development 444
 policy governance and accountability 447
 public perceptions and future challenges 450
 S&T oriented entrepreneurial programs 448
- South Korea
 framework for regional analysis 163
 impact of industry–university cooperation 174
 innovation and entrepreneurship policies 167
 NURI project 178–9
- promotion of S&T in non-capital regions 170
- Spain
 CIDEM and technology springboard 151–3
 entrepreneurial university programmes 150
 overview of the NIS 144
 policies and programs for development 147
 regional case study of Catalonia 149
- Spann, M. 259
- SSTI 36
- Stankiewicz, R. 194
 Stening, B. 330
 Sternberg, R. 1, 235
 Stevenson, L. 340
 Strange, W. 58
- Subramaniam, M. 389
- Sweden
 1980s innovation agenda and beyond 195
 background and development of NIS 192
 building blocks for innovation 202
 general features of Swedish NIS 188
 VINNOVA 199, 203
- Taiwan
 ITIR 292–7
 national innovation system 288
 policies to support innovative firms 298
 small firm incubation case studies 300
- Tapscott, D. 394
 Teece, D. 402
 Teubal, M. 97, 311, 315
 Thurik, R. 96, 198
 Tiwari, R. 403
 Torrès, O. 124
 Trajtenberg, M. 286, 307, 311, 312, 315, 316, 318
 Tushman, M. 306
- UK
 evolution of NIS 75
 fourfold policy approach 77

- higher education 85
- innovation programmes, 80–81
- major policy documents 78
- RDAs and clusters 89
- SEEDA 91
- skills development 88
- USA
 - National innovation ecosystem 31, 33
 - OSTP 32
 - SBIR, STTR, ATP 20, 28, 42
 - state policy framework and programs 34, 37
 - STI policy cooperative programs 29
 - STI policy legislation 26
 - STI policy overview 22
- Valls, J. 151
- Van, A.B. 288
- Vasershtayn, Y. 315
- Vedin, B-A. 196
- Vekstein, D. 314
- Venkataraman, S. 36
- Verdagner, C. 157
- Vinortas, N. 21, 23, 24, 28, 30
- Wade, R. 259
- Walwyn, D. 444, 456
- Wang, J-C. 286, 287, 290, 291, 296, 297, 303
- Wang, Y. 336, 345
- Watts, D. 110
- Weick, K. 389
- Wessner, C. 1, 31
- Wetterberg, G. 193
- White, S. 329, 349, 350
- Winchester, S. 348
- Winter, S. 355, 389
- Winters, A. 402
- Wolf, M. 33
- Wong, P.K. 256–282
- Woolthuis, R. 74, 91
- World Economic Forum 132
- Wright, M. 108
- Yencken, J. 236, 238, 243, 244, 251
- Yokoo, H. 49
- Yu, T. Fu-Lai 401
- Zegveld, W. 256, 296
- Zhang, M. 330, 342, 356, 358
- Zilber, T. 320

