### Index

<table>
<thead>
<tr>
<th>Term</th>
<th>Page(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>accountability</td>
<td>25–6, 62</td>
</tr>
<tr>
<td>accounting in public management</td>
<td>130–31</td>
</tr>
<tr>
<td>actors</td>
<td></td>
</tr>
<tr>
<td>multiple</td>
<td>22–8, 32–3</td>
</tr>
<tr>
<td>nation states</td>
<td>31–3</td>
</tr>
<tr>
<td>non-state</td>
<td>23, 27, 28, 32</td>
</tr>
<tr>
<td>administration systems</td>
<td>127–9</td>
</tr>
<tr>
<td>African countries</td>
<td>97</td>
</tr>
<tr>
<td>agency</td>
<td>55–8, 122–3</td>
</tr>
<tr>
<td>aggregation technology</td>
<td>25, 35</td>
</tr>
<tr>
<td>anonymity condition</td>
<td>42, 46–7, 48–9, 55</td>
</tr>
<tr>
<td>anti-Keynesian policies</td>
<td>157</td>
</tr>
<tr>
<td>antibiotics in animal feed</td>
<td>145–6</td>
</tr>
<tr>
<td>asymmetric information</td>
<td>43–4, 51–2, 54</td>
</tr>
<tr>
<td>banking provision</td>
<td>105–13</td>
</tr>
<tr>
<td>bilateral agencies</td>
<td>29</td>
</tr>
<tr>
<td>Bretton Woods Institutions</td>
<td>29, 32</td>
</tr>
<tr>
<td>Britain</td>
<td>92, 94, 134–5</td>
</tr>
<tr>
<td>budgeting, public management</td>
<td>130–31</td>
</tr>
<tr>
<td>building blocks</td>
<td>23, 24</td>
</tr>
<tr>
<td>capital, access to</td>
<td>55, 57–9</td>
</tr>
<tr>
<td>capital market liberalization (CML)</td>
<td>157–9</td>
</tr>
<tr>
<td>Central Bank</td>
<td>154, 157, 161</td>
</tr>
<tr>
<td>charities</td>
<td>53</td>
</tr>
<tr>
<td>child-care</td>
<td>59–61</td>
</tr>
<tr>
<td>China</td>
<td>97</td>
</tr>
<tr>
<td>citizen ownership</td>
<td>56</td>
</tr>
<tr>
<td>civil society</td>
<td>25–6, 31–2, 89, 98</td>
</tr>
<tr>
<td>climate change</td>
<td>10, 142–4</td>
</tr>
<tr>
<td>club goods</td>
<td>69, 137, 138–9</td>
</tr>
<tr>
<td>Coase, Ronald</td>
<td>2</td>
</tr>
<tr>
<td>coercive powers</td>
<td>27</td>
</tr>
<tr>
<td>collective action</td>
<td>152–5</td>
</tr>
<tr>
<td>collective-action components</td>
<td>26–8, 31–3</td>
</tr>
<tr>
<td>collective public goods provision</td>
<td>120</td>
</tr>
<tr>
<td>commercial banks</td>
<td>106–7</td>
</tr>
<tr>
<td>common market</td>
<td>71–3</td>
</tr>
<tr>
<td>common pool resources</td>
<td>17</td>
</tr>
<tr>
<td>communication services</td>
<td>23, 70, 80</td>
</tr>
<tr>
<td>communism</td>
<td>160</td>
</tr>
<tr>
<td>competition</td>
<td>105, 132–3</td>
</tr>
<tr>
<td>cross-border</td>
<td>90</td>
</tr>
<tr>
<td>perfect, conditions for</td>
<td>42–50</td>
</tr>
<tr>
<td>rules of</td>
<td>71–2, 74</td>
</tr>
<tr>
<td>competitive multinational space</td>
<td>68</td>
</tr>
<tr>
<td>conflict management</td>
<td>7, 26</td>
</tr>
<tr>
<td>consumer choice</td>
<td>124–5</td>
</tr>
<tr>
<td>consumer cooperatives</td>
<td>53</td>
</tr>
<tr>
<td>consumer demand</td>
<td>46</td>
</tr>
<tr>
<td>consumer groups</td>
<td>25</td>
</tr>
<tr>
<td>consumer well-being</td>
<td>41, 42–55, 61</td>
</tr>
<tr>
<td>consumption</td>
<td></td>
</tr>
<tr>
<td>non-rivalrous property of</td>
<td>150</td>
</tr>
<tr>
<td>publicness in</td>
<td>14, 15, 21, 22</td>
</tr>
<tr>
<td>contractionary policies</td>
<td>156</td>
</tr>
<tr>
<td>control by consumers</td>
<td>124–7</td>
</tr>
<tr>
<td>cooperatives</td>
<td>4–5, 53, 54, 58</td>
</tr>
<tr>
<td>credence goods</td>
<td>126</td>
</tr>
<tr>
<td>cultural norms</td>
<td>26</td>
</tr>
<tr>
<td>decentralization</td>
<td>121–2, 133</td>
</tr>
<tr>
<td>decentred governance</td>
<td>133</td>
</tr>
<tr>
<td>democracy</td>
<td>134</td>
</tr>
<tr>
<td>developing countries</td>
<td>97–100, 155, 158</td>
</tr>
<tr>
<td>capital markets, opening up to</td>
<td>159</td>
</tr>
<tr>
<td>and inequity in global reserve system</td>
<td>161–2</td>
</tr>
<tr>
<td>and transfer of knowledge</td>
<td>141–2</td>
</tr>
<tr>
<td>direct control mechanism</td>
<td>52</td>
</tr>
<tr>
<td>discoveries and inventions</td>
<td>139</td>
</tr>
<tr>
<td>diversity</td>
<td>8, 81, 87</td>
</tr>
<tr>
<td>East Asia</td>
<td>156, 157</td>
</tr>
<tr>
<td>economic activities</td>
<td>60, 75</td>
</tr>
<tr>
<td>distribution of</td>
<td>41–2</td>
</tr>
<tr>
<td>economic growth</td>
<td>26</td>
</tr>
<tr>
<td>economies of scale</td>
<td>43, 50</td>
</tr>
</tbody>
</table>
education 59–61, 75
  basic 18, 19
  vouchers for 124–5, 126–7
  efficiency 55–9, 62, 74, 77
  electricity 72, 85, 91, 113
  energy 92, 104, 106
  essential services 8, 69–70, 72–3, 85, 99
  European cross-border networks 68
  European Investment Bank (EIB) 86, 115
European Legislator 76–7, 95
European public goods provision 68
European Union
  banking 105–13
  common market 71–3
  competition within 71, 72, 77, 80, 90
  conflicts of national interest 72
  consumer protection 85
  cross-subsidies 83, 91, 112
  cultural misunderstandings 72
  and developing countries 97–9
  diversity 76–81
  economic activities 75
  and the environment 79–80
  essential services 72, 76–7
  financial services 81
  fundamental rights 75
  and information 79–80
  integration networks 80–81
  legal framework 74–5
  liberalization 71, 72, 91, 96–7, 98–9
  local administration 78
  market failures 73
  member states, rights 76–7
  national regulatory authorities 80–81
  network regulations 93–5
  non-discrimination 78
  pricing 83–5
  principle of separation 72–3
  principles of free movement 71
  projects of general interest 85–6
  public-private partnerships (PPPs) 79, 88, 104, 114
  Public Service Obligations (PSOs) 80–82
  regional administration 78
  sector directives 80–81
  SGEIs see services of general economic interest
  SGI-related infrastructure funding 113–16
  SGIs see services of general interest
  single market 72
  social activities 75
  Special Differentiated Treatment (SDT) 97–9
  Treaties 75–6
  unity 76–81
  and World Trade Organization 99–100
Eurotunnel 114
exchange rate risk 159
excludability condition 42, 46, 48–9, 55
  see also non-excludability
  exclusion 111–13
  infeasibility of 21
  exclusive goods 17, 19, 30
  externalities 29, 31, 54, 114, 151–2
Federal Reserve Board 159
final public goods 18, 24
financial crises 13
financial incentives 57
financial institutions 88, 92–3, 105–13
  see also International Monetary Fund (IMF); World Bank
Fleming, Alexander 145
food safety 23–4
for-profit firms 40, 47, 51, 55–9
  comparison with government and
  non-profit organizations 59–62
  failures 50–55
  profit maximization 55
  provision by 27, 53, 61
  violations of optimality conditions 42–50
France 40, 69, 72, 128
  banking activities 106–12
  free riding 20, 32, 151
  free-roaming public goods 18
  fundamental rights 68, 73, 75
GATS (General Agreement on Trade in Services) 96, 98–9
Germany 40, 69, 72, 94
  banking activities 105, 106–12
  global capital markets 156
  global conferences 32
  global crises 32–3
global economic system 157, 161
see also International Monetary Fund (IMF); World Bank
global economy 152–5
global financial system 149, 155–9
global governance 149, 153–9
global lottery 163
global market failures 159
global natural resources 162–3
global public bads 29
global public goods 28–34, 151
climate as 142–4
definition 28
financing of 162–3
global economy as 152–3
knowledge as 137–47
production of 142–6
underprovision of 32
global public interests 149
global public–private partnerships 23
global publicness of goods 32
global reserve system 160–62
global risks 13
global standards 152–3
global warming 5, 26, 34
globalization 29, 34, 153–5
globalized national public goods 28, 31
governance 55–9, 119, 120–23, 153
types of 132–4
government 51
coercive powers 27
comparison with for-profit and non-profit organizations 59–62
correctives to for-profit failures 42, 50–55
efficiency 58
failure 25, 28, 31–2
financial role 27
intervention in economy 25
management problem 56–7
provision 41, 52–3, 55, 61
Great Depression 155, 156, 157
greenhouse gas emissions 10, 19, 29, 142, 151, 162–3
health 22, 77, 104, 145–6
horizontal system of administration 127–9
human-made global public goods 29
human rights 18
IMF see International Monetary Fund
imperfect competition 41
impure public goods 150
incentives 23, 27–8, 56, 57
inclusiveness 19
India 97
indivisibility 11
inequity in global reserve system 161–2
inflation 157
information 68, 97, 126
asymmetric 43, 54
as public good 80
information condition 42, 43–5, 48–9, 52, 54, 55
information technology 68, 70–71, 99
infrastructures 78, 80–81, 106, 113–14
innovation 27, 140
instability in global reserve system 160–61
institutionalist tradition of governance 133
intangibles 16
intellectual property rights 19
interdependencies 6, 11, 29
interest rate risk 160
intergovernmental cooperation 32, 33
intermediate public goods 18
internal monopolies 72
international cooperation 29–33
international economic institutions 153–6
international economy, instability in 160–61
international externalities 153
International Monetary Fund (IMF) 153–4, 155–9
international public goods 32, 99–100
international relations theory 31
international terrorism 3, 13, 34
international treaties 153
inventions and discoveries 9, 138–42
investment 57, 58
Keynesian tradition of governance 132–3
knowledge 3, 9, 19, 150
as global good 137–47
production of 138–42
land mines 32
Latin America 98, 159, 160
liberalization 71, 72, 91, 96–7, 98–9
local collective goods 121
local public goods 150–51
malaria 22–3, 35
management 56–8
by objectives 117
public 129–34
market allocation 118
market economies 40
market failures 22, 25, 151–2, 159
maximization of consumer well-being 41, 52
maximization of profits 41
monopolies
internal 72
national 71, 73
natural 43, 71, 79, 80
public 90
multilateral trade 29, 98
multiple actors 22–8, 32–3
Nash equilibrium 128–9
nation states 5, 6–7
as private actors 31–3
and services of general interest 77–9
national identity 70
national interests 10, 72
national monopolies 71, 73
national provision of public goods 32
national public goods 28–9, 151
national self-interest 33
nationalization 71
natural global commons 28–33
natural monopolies 43, 71, 79, 80
naturalization services 22
negative externalities 25, 47, 151, 152, 158, 163
networking 18
no externalities condition 42, 47–50, 55
no market power condition 42, 43, 48–9, 55
non-excludability 1, 13, 16–17, 46, 150
see also excludability condition
non-exclusive goods 15, 17, 18, 30
non-governmental organizations (NGOs) 7, 26
non-market common goods 79
non-profit organizations 27, 53–4, 57–9
comparison with government and
for-profit organizations 59–62
correctives to for-profit failures 50–55
efficiency 58
internal organization 40
provision 53–4
and public management 131–2
non-rivalrous goods 18, 25, 30, 52–3, 54
non-rivalrousness 1, 11, 13, 16–17, 150
see also rivalry condition
non-state actors 23, 27, 28, 32
norms 14, 18
North America 7
not-for-profit organizations 4–5, 87
obligations see public service
obligations (PSOs)
operators 86–9, 98, 119
opportunism 131, 132
optimal provision 25, 41
optimality conditions for consumer
well-being 41, 42–55, 61
outsourcing 117
partnerships 23–5, 61–2, 120–21
relations within 131–2
see also public-private partnerships (PPPs)
patents 17, 19, 99, 138–42, 146
perfect competition, conditions for 42–50
planetary scale 9
policy conditionality 29
policy harmonization 29
pollution 11, 17, 19, 151
positive externalities 47, 104, 151, 152
positive utility goods 20
power, abuse of 139
price caps 84, 90, 91, 101
price equality 44
price volatility 84, 92
pricing 83–5, 90–91
private actors 29
private goods 14
private management 129–30
private provision 25, 27
private self-interest 33
privatization 23, 25, 71
properties of public goods 1, 13, 16–17
see also non-excludability; non-rivalrousness
provision 22–8, 31–3, 68, 131–2
for-profit firms 27, 53, 61
government 25, 41, 52–3, 55, 61
non-profit organizations 53–4
private 25, 27
public 118–19, 120, 124–7
public aid 83, 87, 98
public allocation 118
public bads 14, 20, 21, 25, 29
public by design 18, 19
public goods
definition 1, 13, 20–21, 33
externalities 151
multi-actor products 14, 26
properties 1, 13, 16–17
public health 19, 22, 27
public institutional design 117–35
public intervention 9, 71
public management 117, 119, 122–3, 129–34
public monopolies 90
public policy incentives 23
public–private partnerships (PPPs) 23–5, 88–9, 114–16
see also partnerships
public provision 118–19, 120, 124–7
public service 69, 104
public service obligations (PSOs) 82, 83, 84–5, 89
public services see services of general interest (SGIs)
public utilities 23
publicness in consumption 15–21, 28, 35
pure private goods 15
pure public goods 16–17, 30, 69, 150, 151
railways 70, 86, 92
reforms 75, 117, 122
regional administration 78–81
regional level 24
regulation 51–2
in European Union 80–81
of services of general interest (SGIs) 93–5
regulators 51–2, 92, 94
reputation 43–4, 50
reputation condition 132
resource environment 123
resources, lack of 32–3
risk markets 159
risk transfers 159–62
rival goods 44, 50, 54
rivalrous benefits 15
rivalry 138–42
rivalry condition 42, 44–6, 48–9, 55
see also non-rivalrousness
rollout 18, 34
rule of law 14
Samuelson, Paul 1, 11, 120, 150
SARS (Severe Acute Respiratory Syndrome) 21
scientific discoveries 9, 138–42
scientific uncertainty 142–6
SDRs (special drawing rights) 10, 149, 162
self-interest 26
self-regulation of non-state actors 27, 32
service network industries 71
services of general economic interest (SGEIs) 80, 84–5
and European Union jurisdiction 73–6, 77
services of general interest (SGIs)
cross-border 73
definition 69–70
diversity of 76–81
ecological dimension of 69
economic dimension of 69
and the environment 79–80
and European Union jurisdiction 73–6
financing of 89–93, 105, 113–16
infrastructures of 86, 106, 113–16
and national identity 70
social dimension of 69
threat from World Trade Organization 96–7
SGEIs see services of general economic interest
simultaneity of consumption 20
single market 71, 72, 75, 79, 80
smokestack structures 154–5
social concerns 27
social constructs 3, 15–21, 81
social effects 23
social norms 26
social responsibility 25–6
socially determined status of goods 15, 17
Special Differentiated Treatment (SDT) 97–9
special drawing rights (SDRs) 10, 149, 162
standards 14, 44
state
as core provider 28, 32, 33
financial institutions 105–13
internal organization of 40
as a partner 131–2
regulatory powers 27
regulatory role 51–2
state agencies 27
state aid 74
state intervention 22, 23, 32, 120
state provision 26–8
subcontracting 23
supranational level 5, 7
Sweden 94, 145
taxation 27, 162–3
technological changes 70–71
terrorism 3, 13, 34
theory of external effects 129
trade agreements 158
trade–surplus–deficit equation 160–61
transnational organizations 5, 31
transparency 74, 78, 94, 154
transport 70, 76, 80, 81, 92, 104
infrastructures 86, 106, 113–14
TRIPS (Trade-Related Aspects of Intellectual Property Rights) 19, 141–2
underconsumption 25
underprovision 25
unemployment 157
United Nations 32, 144, 152
universal compliance 27
universal services 80–81, 82, 83, 84, 104
universalization 19, 77
US Treasury bills 161–2
USA
and antibiotics in animal feed 146
and climate change 144–5
and International Monetary Fund 153, 156–7
vertical system of administration 127–9
violations of optimality conditions 41–50
voluntary actors 27
vouchers 124–7
water distribution 47, 50, 72, 79, 106, 113
welfare state 119, 128
well-being of consumers 41, 42–55, 61
World Bank 99, 133, 153, 158
World Trade Organization (WTO) 96–7, 99–100, 153, 154, 158