Index

‘a Europe of Knowledge’ 102
Action Plan for investing in research 135
Action Plan for skills and mobility 112
added-value 7, 81
aeronautics 62
ageing 97, 107, 113, 120, 121, 136, 137
Airbus 52
airspace, management of 147
anti-competitive practices 71
applied research 9, 55–6, 60–61
apprenticeships 94
Ariane 52
Barcelona European Council (2002) 58, 72, 112, 116, 129, 130
basic research 9, 55–6, 60–61
benchmarking 21, 22, 27, 28–9, 30, 96
benefit systems 116
best practice 18, 21, 26, 27, 28, 134
biotechnology 61
Bologna Declaration (1999) 102
Broad Economic Policy Guidelines 22, 23, 137–8, 155
broadband access 44, 48, 49, 129
Brussels Summit 135
budget of European Union 135
budgetary policies 19, 131
Simplification Task Force (BEST) 76
business legislation 72–3
business research and development 84
business start-ups 10, 77, 146–7
business support networks 76
businesses, Internet penetration 44
Canada, innovation 82
capital, mobility of 6
Cardiff European Council 72
Cardiff process 22, 30, 148, 152, 155, 156, 157
CERN 52, 55
change management 76
Changing Paradigms 74–5
child care facilities 90, 107, 108, 116
children
costs of 113
investments in 109
citizens’ needs 74
citizenship 63, 89, 91, 98, 108, 132
civil dialogue 134
clustering 82, 84
Cologne process 22, 149–50, 155, 157
Committee of Wise Men 31
common frameworks 135–6
common goals/objectives 57, 96, 134
common indicators 22–3, 28, 134
common interests 27
communication technologies 4–6
Community law 29
Community programmes 96, 103, 152
company learning centres 94
competence development plans 99–100
competences 90–92
competition policy 20, 71, 73
competitiveness 69–71, 117
computers, usage of 45–6
content industries 9, 40, 43, 49, 102, 143
convergence 19, 27, 69, 128, 131
coordination, open method of 19–29, 57, 58, 66, 128, 134
strategic goals for 156–7
Copenhagen Declaration 136
Council of Education 96, 152
Council of General Affairs 133
Council of Ministers 15, 18
Council of Social Affairs 113
credit institutions 149
cultural diversity 40, 64, 131
culture industries 9
CVs, European format for 96, 98
cyber-crime 42
cyberspace 36, 41, 91
deepest 3, 27, 29
demand-pulled information strategies 40
democratic participation 27
democracy 134
Denmark, Internet 46, 84
developing countries 1, 65
development aid 64
diffusion of knowledge 9
digital divide 8, 60, 117
digital literacy 42
Doha Conference (2001) 71
e-business 48, 49
e-commerce 37, 41, 42–3, 44, 46–7
e-enterprise 37
e-Europe Action Plan 22, 50, 129, 144
implementation of 30
objectives 41–3
e-government 42, 43, 44, 47, 48
e-health 48–9
e-learning 42, 43, 44–6, 48, 102
e-market places 7
ECOFIN 22, 32, 113, 133, 155
economic activity, new geography of 10
Economic and Monetary Union (EMU) 20, 119
economic and social development, strategy for 109
economic coordination/cohesion 2, 74
economic development strategy 3–4
economic growth 70
economic guidelines, coordination of 137–8
economic innovation 80
economic policies 29, 32, 137, 138
Economic Policy Committee 31, 154
economic reforms 2, 17, 23, 24, 30, 31, 71–4
strategic goals for 140–57
economics 23, 24
ecosystems 62
education 38, 40
and the Internet 42
for entrepreneurs 75–6
open learning centres 92–5
statistics 82–3, 123
education and training policy 17, 23, 31, 84, 136
and the knowledge society 151–2
common problems 130
new objectives 95–102
education systems 8, 96
educational institutions 84, 91
electronic research networks 59–60
EMBL 55
employability 109
employment 55, 107, 119, 132, 136
education and training for 49
<table>
<thead>
<tr>
<th>Term</th>
<th>Page(s)</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>of older workers</td>
<td>121</td>
<td></td>
</tr>
<tr>
<td>of women</td>
<td>120, 121</td>
<td></td>
</tr>
<tr>
<td>portability of social rights</td>
<td>118</td>
<td></td>
</tr>
<tr>
<td>quality of</td>
<td>110</td>
<td></td>
</tr>
<tr>
<td>strategic goals</td>
<td>140–57</td>
<td></td>
</tr>
<tr>
<td>structural indicators</td>
<td>24</td>
<td></td>
</tr>
<tr>
<td>Employment Committee</td>
<td>110</td>
<td></td>
</tr>
<tr>
<td>employment guidelines, coordination</td>
<td>137–8</td>
<td></td>
</tr>
<tr>
<td>employment policy</td>
<td>17, 19–20, 23, 31, 110–12, 130</td>
<td></td>
</tr>
<tr>
<td>strategic goals for</td>
<td>152–3</td>
<td></td>
</tr>
<tr>
<td>employment services</td>
<td>112</td>
<td></td>
</tr>
<tr>
<td>energy sector</td>
<td>72, 130</td>
<td></td>
</tr>
<tr>
<td>enlargement</td>
<td>2, 3, 29, 74, 131</td>
<td></td>
</tr>
<tr>
<td>enterprise policy</td>
<td>17, 22–3, 30, 66, 74–9, 129–30, 136</td>
<td></td>
</tr>
<tr>
<td>enterprises, financial environment</td>
<td>76</td>
<td></td>
</tr>
<tr>
<td>enterprises, new</td>
<td>77</td>
<td></td>
</tr>
<tr>
<td>enterprises, registration</td>
<td>79</td>
<td></td>
</tr>
<tr>
<td>entrepreneurship</td>
<td>136</td>
<td></td>
</tr>
<tr>
<td>entrepreneurship policy</td>
<td>74–9</td>
<td></td>
</tr>
<tr>
<td>environmental strategy</td>
<td>24, 32</td>
<td></td>
</tr>
<tr>
<td>equal opportunities</td>
<td>109</td>
<td></td>
</tr>
<tr>
<td>ESA</td>
<td>55</td>
<td></td>
</tr>
<tr>
<td>ESO</td>
<td>55</td>
<td></td>
</tr>
<tr>
<td>EUREKA</td>
<td>55</td>
<td></td>
</tr>
<tr>
<td>Euro</td>
<td>71, 106</td>
<td></td>
</tr>
<tr>
<td>Europass</td>
<td>98</td>
<td></td>
</tr>
<tr>
<td>Europe</td>
<td></td>
<td></td>
</tr>
<tr>
<td>dilemmas/prospects for</td>
<td>1–2</td>
<td></td>
</tr>
<tr>
<td>international role of</td>
<td>1–2, 3</td>
<td></td>
</tr>
<tr>
<td>European Bank for Reconstruction and Development</td>
<td>99</td>
<td></td>
</tr>
<tr>
<td>European Charter for Small Enterprises</td>
<td>30, 76, 146–7</td>
<td></td>
</tr>
<tr>
<td>European Charter of Fundamental Rights</td>
<td>101, 132</td>
<td></td>
</tr>
<tr>
<td>European Commission and economic policies</td>
<td>32</td>
<td></td>
</tr>
<tr>
<td>and Lisbon strategy</td>
<td>30</td>
<td></td>
</tr>
<tr>
<td>and open method of coordination</td>
<td>21, 22, 27, 28, 29</td>
<td></td>
</tr>
<tr>
<td>report on financial markets</td>
<td>31</td>
<td></td>
</tr>
<tr>
<td>Synthesis Report</td>
<td>23, 24, 31, 32</td>
<td></td>
</tr>
<tr>
<td>European Council</td>
<td></td>
<td></td>
</tr>
<tr>
<td>and open method of coordination</td>
<td>29</td>
<td></td>
</tr>
<tr>
<td>Feira</td>
<td>15, 31</td>
<td></td>
</tr>
<tr>
<td>Göteborg (2001)</td>
<td>62</td>
<td></td>
</tr>
<tr>
<td>Helsinki (1999)</td>
<td>41, 147, 149</td>
<td></td>
</tr>
<tr>
<td>Laeken (2001)</td>
<td>110, 113</td>
<td></td>
</tr>
<tr>
<td>Luxembourg (1997)</td>
<td>20, 95, 96, 109, 110</td>
<td></td>
</tr>
<tr>
<td>Nice (200)</td>
<td>23, 31, 110, 117</td>
<td></td>
</tr>
<tr>
<td>Seville (2002)</td>
<td>48</td>
<td></td>
</tr>
<tr>
<td>Stockholm (2001)</td>
<td>32, 96, 110, 113, 120, 135</td>
<td></td>
</tr>
<tr>
<td>working methods of</td>
<td>132</td>
<td></td>
</tr>
<tr>
<td>European Credit Transfer System</td>
<td>98</td>
<td></td>
</tr>
<tr>
<td>European CV-format</td>
<td>96, 98</td>
<td></td>
</tr>
<tr>
<td>‘European digital content for global networks’</td>
<td>43</td>
<td></td>
</tr>
<tr>
<td>European Employment Pact</td>
<td>157</td>
<td></td>
</tr>
<tr>
<td>European Guidance Forum</td>
<td>99</td>
<td></td>
</tr>
<tr>
<td>European Health Cards</td>
<td>74</td>
<td></td>
</tr>
<tr>
<td>European Investment Bank (EIB)</td>
<td>31, 60, 99, 144, 145, 147, 157</td>
<td></td>
</tr>
<tr>
<td>European Investment Fund (EIF)</td>
<td>99, 147</td>
<td></td>
</tr>
<tr>
<td>European Parliament</td>
<td>21, 134</td>
<td></td>
</tr>
<tr>
<td>and open method of</td>
<td>29</td>
<td></td>
</tr>
<tr>
<td>involvement with national parliaments</td>
<td>132</td>
<td></td>
</tr>
<tr>
<td>European Research Area</td>
<td>30, 56–8, 59, 64, 65–6, 144–6</td>
<td></td>
</tr>
<tr>
<td>European Satellite Navigation System (Galileo)</td>
<td>43, 62, 72, 130</td>
<td></td>
</tr>
<tr>
<td>European Schoolnet</td>
<td>102</td>
<td></td>
</tr>
<tr>
<td>European Single Market</td>
<td>20, 71–2, 108, 119</td>
<td></td>
</tr>
<tr>
<td>European Social Agenda</td>
<td>31, 110, 155</td>
<td></td>
</tr>
</tbody>
</table>
European Union
    enlargement of 74, 107, 131
    institutional reform of 132–5
    new member states 131, 135
    political choices of 2–3
    re-organisation of 1
    strengths and weaknesses 141
    structural indicators 24
    way forward 141–2
European Virtual University 102
European Welfare State 113
evaluation 28–9
exchange rate policies 106
external action of European Union 135

‘Faster Internet for researchers and students’ 42
Feira European Council 15, 31
finance for enterprises 76, 78
finances of European Union 135
financial management 37
financial markets 1, 6, 31, 72, 84
    report on 130
    strategic goals for 148–9
Financial Services Action Plan 149
Finland
    Internet 46
    R&D 84
fiscal policy 20, 149–50
Fontaine, Nicole 140
food quality/safety 62
foreign policy 64
framework agreements 119
France, graduates 82–4
fundamental research 60–61

Galileo 43, 62, 72, 130
GDP 25, 69, 70, 107
    investment in R&D 129
GEANT 44, 59
gender equality 136
gender gaps 120
General Affairs Council 132
general management 37
genomics 61
Global Change 62, 65
global economy 19
global governance 1
    of cyberspace 41, 50
globalisation 6–7, 75, 128, 135, 138
‘Go digital’ 43
Göteborg European Council (2001) 62
governance 9–10, 14–15, 27, 63, 119, 131–2
    multilevel system of 133
    of innovation systems 85
    of Lisbon strategy 18–19
‘Government on-line’ 43, 44
graduates 55, 82–3
Greece, migration 107
growth-enhancing investments 137

health 61
‘Health on-line’ 43
health services 47
Helsinki European Council (1999) 41, 147, 149
High Level Forum 157
High-Level Working Party on Social Protection 31, 110, 150, 154, 155
high-tech industries 119
higher education 96–102
Human Frontier Science 65
Human Genome 65
human resources management 37
human resources, investment in 41, 95, 136, 150
humanities research 63

income inequality 107
income policies 106
industrial output 52–4
industrial policy 136
industrial relations 117, 119
industry-financed research and development 52–4
inequality 9
informal employment 136
information and communication technologies (ICT) 69–70, 82, 97
information society policy 16, 22, 30, 36–50, 129
strategic goals 142–4
Information Society Technologies (IST) 61
information technologies 4–6, 10, 36–8, 40–50, 89–90
occupational profiles for 39
innovation 24, 130, 131, 136
common framework for 135
promotion of 76
strategic goals 144–6
Innovation 2000 Initiative 31, 157
innovation policy 30, 31, 66, 69–85, 129
Innovation Scoreboard 2001 83
Innovation, common framework for 135–6
Innovative businesses 146–7
institutional frameworks 5–6, 128
of labour markets 8
institutional reforms 6–8, 14–15, 131–5
insurance companies 149
integration 10, 14, 27
intellectual capital 7
intellectual property rights 66, 80, 81, 82
‘Intelligent transport systems’ 43
intergovernmental institutions 55, 56
internal market 71–4, 75
economic reforms for 147–8
Internal Market Council 47
Internal Market Strategy 72, 147
internal migration 107
international dimensions of
research policy 65–6
international organisations 65
international role of Europe 1–2, 3
international trade 1, 6–7
Internet 36, 43, 44–8, 82, 84
and e-Europe Action Plan 41–2
and e-learning 102
Internet Protocol 44, 49
interventionism 82
investment
in human resources 95, 136, 150
in information/telecommunications 82
in learning 94–5
in research and development 53, 55, 58, 60–61, 136
Ireland, graduates 82–4
Japan
ICT investment 82
R&D 52–3, 55
job creation 109–110, 136, 147
job matching 136
job opportunities 112
Johannesburg World Summit (2002) 1, 66
Joint Research Center (JRC) 55, 56
just-in-time 6–7, 91
Knowledge Creating Company 74
knowledge creation/diffusion 9
history of 5–6
knowledge economy 10
strategy and governance for 14–15
knowledge infrastructures 131
knowledge management 4, 7–8, 131
knowledge policies 9–10
knowledge resource centres 90
knowledge society, education and training for 151–2
knowledge-based societies,
transition to 4–6
and information society policies 40
implications for governance 9–10
knowledge-content materials 62
knowledge-intensive industries 7, 119
knowledge-intensive services 70
Kyoto Protocol 62

labour market
dynamics 106–7
policies 109
services 8

labour markets 108, 136
institutional framework of 8
participation of women 107
regulation of 137

labour productivity 26, 69–70
labour, division of 10

Laeken European Council (2001) 110, 113
Lamfalussy report on financial markets 130
learning accounts 95
learning centres 94
learning networks 8
learning organisations 8, 90
learning partnerships 95
learning resources 93
learning society 89–103, 130
leisure/work mix 113
Leonardo 96, 103, 152
liberalisation of services 130
life chance guarantees 113
lifelong learning 8, 31, 90, 94, 96–102, 103, 118, 130, 136
and reskilling 107

Lisbon European Council (2000) 15, 16, 41, 56, 58, 71, 72, 81, 84, 109, 113, 117
conclusions of 21–2, 128, 140–59

Lisbon strategy 16–18, 42, 119, 128, 131, 132–5, 136, 137, 138
local learning centres 95

Luxembourg European Council (1997) 20, 109, 110
Luxembourg process 22, 31, 130, 152, 155, 156, 157

macroeconomic policies 17, 131, 137, 149–50
macroeconomic stability 137
majority voting 134
management 74
management by objectives 27
management of change 76
management sciences 23
manufacturing 6–7, 70, 61–2
Marie Curie Host Fellowships 59
markets, access to 75, 82
mobility
educational 96, 98, 102
geographic 112, 136
of capital 6
of labour 107, 112, 121, 136
monetary policy 19, 20, 106
monitoring 28–9, 134
Multiannual Programme for Enterprise 30
multipolarity/multilateralism 3–4

nanosciences/nanotechnologies 61–2
national diversity 3, 40, 64, 130, 132
National Employment Action Plans 109, 152

national law 148
national parliaments 132
national plans for social inclusion 117
national policies 29, 133
conditions for 129–30
coordination/enforcement of 133, 134
national stability and growth programmes 137
national systems of innovation 80, 81–2

Netherlands, R&D 84
network of excellence 58, 59, 60
networking 38, 58, 84, 92, 102
networks 23, 43, 82
access to 42
of R&D 23, 43, 59, 82
Index

New Independent States 65
NGOs 21
Nice European Council (2000) 23, 31, 110, 117
non-formal learning and competences, recognition of 98

objective-driven research 58
occupational profiles 38, 39, 90, 91, 106
occupational structures 106
open learning centres 90, 92–5, 130
open method of coordination 19–29, 57, 58, 66, 128, 134
organisational change 37–8

paradigms 74–5
parental leave 118
patents 54, 72, 82, 136
pension provision 114–16
pension systems 113, 137
Plan of Implementation for Sustainable Development 66
policies for the information society 36–50
policies, implementation of 18–19
policy instruments 135
policy mix 133, 142
political agenda, review of 15
political decision-taking 15
political method, invention of 19–23
political orientations of Lisbon strategy 16–17
political science 25
Portugal, migration 107
postal services, liberalisation of 72
poverty 1, 120–21, 122, 137
private sector 52
research in 66
processes innovations 10, 155–6
productivity 70
growth 81
public expenditure 137
public finances, quality of 131, 137, 149–50
Public Internet Access Points (PIAPs) 46, 48
public participation 138
public policies 38–41, 71, 85
public procurement 72
public research and development 84
public sector websites 42, 43
public services 37
and information technologies 38–9
public spending 136
public–private initiatives/investment 129, 137

qualifications 1–2
mutual recognition of 74, 96

reference indicators 18, 27–8, 31
regional development and research 59–60
regional disparities 10
regulatory environments 76, 148
research and development 82, 84
action plan for 135–6
and productivity growth 81
investment in 53, 129, 136
networks 23, 43, 80, 82
strategic goals 144–6
structural indicators 24
research and development policy 17, 30, 49, 52–66, 84, 129–30
researchers 55
reskilling 37, 107
resources for strategic goals 157
retirement 109, 113, 116
risk capital 130
Risk Capital Action Plan 137, 149
Russia 65

school-leavers 123
schools 42, 92, 95, 130
science and technology doctorates 100
scientific and technical cooperation 64–5, 66
Scientific and Technical Research (COST) 55
scientific literature 74–5
services of general interest 31, 130, 148
services sector 70, 72
Seville European Council (2002) 48
Simpler Legislation for the Internal Market (SLIM) 76
Single European Sky 43, 62, 72
skill gaps 95
skills training 38, 40, 46, 49, 112
small and medium-sized enterprises (SMEs) 7, 57
and public procurement 148
and tax policy 137
and the digital economy 43, 49
finance for 76, 149, 157
start-ups and development 77, 146–7
smart cards 44
social cohesion 23, 24, 31, 40, 74, 117, 131
strategic goals 140–57
social consultation 134
social development strategy 3–4
social dialogue 18, 29, 117–19, 134
social divide 14
social exclusion 18, 31, 110, 117, 130
social exclusion policy 118
social inclusion
and Internet access 48
and PIAPs 46
goals 40
in new member states 64
national plans 23
priorities for 136
strategic goals for 154–5
targeted groups 122
social inclusion policies 117, 130
social model 17, 106–23
reform of 130, 150
sustainability of 4
social policy 17, 20, 29, 31, 133, 138
social protection 108–9, 110, 117–18, 121
social protection policies 113–17
strategic goals for 153–4
social rights 108–9
social sciences research 63, 64
social security schemes 74
sociology 25
Socrates 96, 103, 152
SOLVIT problem-solving network 74
space 62
Spain, migration 107
specialisation 10
spill-overs 130
Stability and Growth Pact 106, 114, 131, 137
state aids 73–4
state, role of 10
Stockholm European Council (2001) 32, 96, 110, 113, 120, 135
strategic assets 4
strategic goals, resources for 157
strategic management 37
Structural Funds 60
structural indicators 24, 28
structural reforms 137, 138
students, mobility of 102
subsidiarity 27
supply-chains 37
sustainable development strategy 32, 62, 132, 137
sustainable growth 130, 131
Sweden, R&D 84
synergy 7, 10, 15, 119, 132, 133
Synthesis Reports 22, 23, 24, 28, 31, 32
take-over bids 72
taxation policy 31, 49, 73, 106, 131, 137
Index

169

taxation systems 116

teachers/trainers 94, 97, 101, 102

technological cooperation 64–5

technological diffusion/transfer 36, 81
technological innovations 4
technological spill-over 130
technology platforms 135
technology-based industries 81
technology-driven industries 70
telecommunications 36, 43, 72, 130

access to 38

costs of calls 73

improvements to infrastructure 102
tertiary education 99

The Learning Organization 74

The Networked Organization 74
time management 90
time saving accounts 118
‘Towards a European Research Area’ 144

trade, barriers to 71–2

training 8, 92–5

for entrepreneurs 75–6

training centres 92, 95

trans-European networks 42

transparency 27

transport infrastructure 43, 72

Treaty of Amsterdam 58, 109

UK, graduates 82–4

unemployment 20, 119, 120, 136, 137

unipolarity 3

universities 52, 55, 60, 136

interface with companies 82

urban planning policy 49

USA

economic activity/growth 10, 70

information technology 129

innovation 82

Internet costs 44

redeployment 69

research and development 52–4, 55

utilisation of knowledge 9

utilities 72

venture capital 78, 82

Virtual Corporation 74

wage developments 117–18

wage setting 107–8

wages 137

websites 42, 43

welfare states 150

problems of 113

welfare support 108

women workers 107, 113, 116, 121

statistics 120

targets for 109

work inducements 116

Work programme on the Single Market 30

work/leisure mix 113

working conditions/time 108, 118

World Trade Organisation (WTO) 71

Youth 96, 152