Index

absence, leave of absence schemes (N) 73

academic spin-offs (ASOs) 5, 6, 28, 103, 142–53
Belgian case study 143
knowhow/skills 142–53, 157–68
team member entry 142–53
venture capital acquisition 157–68
see also universities
accounting knowhow 162
adoption
early 30
rate 30
advice 7
age factors 17–18, 47, 50, 52, 54, 161–5
agency 175
agriculture 42, 50, 52, 54, 56
angels, business see funding
anti-trust 33
Asia 95
see also Singapore; UK, ethnic workforce
business
angels see funding
development 101
plan 51
services sector 50, 52, 54
Canada 75
‘cognitive diversity’ 103, 144, 158, 161–6
see also education; knowhow; skills
communications
problems 179
sector 52
team 179, 180
‘community’ defined 81
see also CVs
companies
disclosure and reporting requirements 33
lifestyle firms 188
limited liability 193
‘mother companies’ 95–8, 102
SMEs 188, 189
sole traders 193
competition law see anti-trust
conflict 5, 6, 7, 128–37
‘affective’ 130, 131, 135, 176, 178–9, 180, 183
cognitive 176–8, 180, 183
intergroup 176, 180, 181, 184
intragroup 176, 180, 181, 184
‘process’ 130, 131, 134, 135, 176, 178, 180, 183
‘proportional conflict composition’ 132
‘task’ 130, 131, 132, 133, 135, 180
VC/entrepreneur 175–85
construction industry 52
consumer services sector 50, 52, 54

Boston see USA
‘boundary’ see Katz and Gartner Framework

bank loans
immigrants, access to 122
bankruptcy 30, 33
barriers
to entry 15
to uptake of commercialization of research (universities) 61
Bayh-Dole Act see USA, legislation
Beiarn jazz festival see jazz
Belgian ASO/team development case study 143
biological model 27
see also science; technology
biotech industry 161, 163
Boards (ASOs) 6, 143–53, 162–8
see also education; knowhow; management; skills

Candida G. Brush, Lars Kolvereid, L. Øystein Widding and Roger Sørheim - 9781849806534
Downloaded from Elgar Online at 09/01/2019 07:26:53AM via free access
input-output model 3, 24–5, 35  
Timmons model 23  
see also incubator  
control aversion 190, 191, 196, 200  
costs see transaction costs  
cultural  
Council (Norwegian) 88  
festivals 80, 83–90  
CVs (community ventures) 79–90  
business networks 80  
cultural events 80, 83–90  
job creation organizations 80  
museums 80  
sports events 80, 87  
decision-makers 127–38  
see also Board; directors; employment; management; TMTs  
demographics 13–22  
directors 142–53  
see also Board; employment; management; TMTs  
disputes 127–38  
see also conflict  
economics 1, 13–22  
Kirzner 114, 117  
ecosystem, entrepreneurial 26–8  
education 17, 52, 163, 165  
see also education; knowhow; skills; universities  
emergence 2, 3–5  
emotions see conflict, ‘affective’  
employment 33  
job creation 20, 33, 80  
knowhow 96  
immigrants 120  
team member entry, academic spin-offs 142–53  
see also education; skills; universities  
levels of unemployment (Norway) 42  
prospective/non-prospective employers 188–200  
shedding workforce 96  
women 13, 14  
energy sector 163  
see also gas; oil  
engineering 1, 29, 95, 98  
entrepreneurship  
academic see universities  
community 80–90  
full-time 48, 51, 53, 54, 164  
Global E. Monitor 1, 13–22  
‘necessity entrepreneurship’ 19  
part-time 43, 51, 53, 54, 208, 209  
process model/theory 5, 109–23  
social 80–90  
TEA (‘total entrepreneurial activity’) rate 16  
–VC relationship 6, 175–85  
see also Katz and Gartner (1988) Framework  
environmental munificence 190  
environment sector 163  
equity  
gap 158  
see also funding, equity  
ethnic diversity 13, 14, 110  
see also immigrants; UK, ethnic workforce; USA, ethnic workforce  
Europe  
Eastern 95  
Norway, not in EU 42  
‘exchange’ see Katz and Gartner Framework  
exports 14, 15, 20  
petroleum 14  
facilities/equipment purchase/lease 52, 54, 101  
see also property  
failure 27, 29–30, 50, 56, 93  
fear of 20, 22  
market failure argument 94–5, 102  
family firms 151  
finance 196, 197  
access  
by immigrants 122  
to advice 101  
knowhow 162  
prior 159–60  
risk 190, 191  
see also funding  
firms see companies  
fishing/fisheries 42, 95
Index

foreign language issues 115

see also immigrants

forestry 42

FORNY 33, 65–7, 70, 71, 72, 147, 163

France 26

funding 51, 55, 157–68, 188–200

equity 7, 33, 189, 192, 197, 198, 199

external 7, 159, 163

debt 7, 189, 192, 198, 199

equity 7, 33, 189, 192, 197, 198, 199

see also venture capital
gap 158, 159

government 33, 66, 67–9, 71, 97

development grants 33

‘proof-of-concept’ funds 73

see also FORNY; industry incubators

grants

development 33

National Science Foundation 75

loans 33, 69, 117, 122, 193, 195, 197, 198, 200

‘muddling through approach’ 189, 199

‘pecking order approach’ 189

private

business angels 28, 159

industry 163, 164, 166

seed 69, 71, 72, 159, 160, 163–7

VC funds 28, 64–5, 71, 72, 158, 159, 163–8

public see government

risk capital 27, 28, 32–3, 158, 168

self- 32, 50

sweat equity 32

see also ‘soft support’

gas industry 42, 95, 163

GEM see entrepreneurship, Global E. Monitor
gender 16, 50, 52, 54, 110, 161

see also minority entrepreneurs;

women

geography 13–22

GGM 3

grants see funding

‘Groove Valley’, The (TGV) 85

‘growth’ 2, 6–7

health 75

sector 163

Hispanic community 118–19

see also immigrants; UK, ethnic workforce; USA, ethnic workforce

human resources 158

turnover of personnel 142–53

see also directors; employment;

knowhow; management; skills;

‘top management teams’

immigrants 5, 109–23

access to finance 122

income 18

incubator programme 3, 4, 33, 34–6, 93–104

National Business Incubation Association (NBIA) 35

Industrial and Regional Development Fund (SND) 43

Corporation of Norway (SIVA) 33, 69, 96, 99

industry incubators see incubator programme

Innovation Norway 33

input-output model see context

insolvency 30

intellectual property see IP

‘intentionality’ see Katz and Gartner Framework

intermediaries 27, 28, 31–2

intermediators 70, 72, 73, 74

see also TTOs

investors 32–3, 64–5, 159, 160, 165, 166, 167, 190

initiating relationships with, 190, 191

relationship with VCs 160

see also funding

IP 27, 29

due diligence 160

ownership by universities 66, 70, 71, 74

jazz camp 80, 85


‘boundary’ 42, 44, 48, 49, 51, 53, 55, 56, 57
Kirzner 114, 117
knowhow (‘cognitive diversity’) 21, 34, 103, 144, 158, 161–6
see also education; IP; skills; universities
knowledge
gaps 63
management 103
market 30, 98
scientific 73
spillovers 94, 95
transfer 63, 98, 101, 103
see also IP; knowhow
language issues 115
see also ethnic diversity; immigrants
law
knowhow 162
see also legal; USA, legislation
leave
maternity 17
of absence schemes, Norwegian universities 73
legal
advice 101
entity (formation) 49, 50, 51, 53, 55, 192
status, immigrants 111, 118
see also USA, legislation
legitimacy-building 41, 79–90
external environment 87–8, 89
internal environment 87, 88
management 158
international diversity helpful? 162
team member entry, academic spin-offs 142–53
top management teams’ (TMTs) 142–53
turnover of personnel 142–53
see also decision-makers; TMTs
manufacturing 34, 52, 54, 56
market
development 101
knowledge 30
process 114
research 51, 53
maritime sector 163
marketing 1, 53, 162
maternity leave 17
maths 1
medical
research 29
sector 163
see also biotech; science; technology
Mexico 26
mining 50, 52, 54
minority entrepreneurs 110
see also ethnic diversity; immigrants
monitoring/mentoring 101
see also ‘soft support’
‘mother companies’ 95–8, 102
music festivals (N) 4, 80–90
‘newness’ 2, 5–6
non-profit community ventures 79–90
see also CVs
Norway
Beiarn jazz festival see jazz
FORNY grants
see FORNY
Industrial
and Regional Development Fund
(SND) 43
Corporation of Norway (SIVA)
33, 69, 96, 99
Innovation Norway 33
leave of absence schemes 73
Norwegian Cultural Council 88
not in EU 42
number of new business start ups 43, 56
R&D contracts (IFU/OFU) 69
Research Council 33
rural communities 90
depopulation 90
music festivals 80–90
rejuvenation 90
Skippagurra 84, 85–9
tax deduction scheme (Skattefunn) 68
see also tax
not-for-profit see CVs
offshore industry 163
see also gas; oil
Index

oil industry 19, 22, 95
Open Innovation see policy
ownership
  multiple owners 20

patents
  technology 15
    see also IP; knowhow
performance and conflict 128–37
personality diversity 161–6
petroleum industry 14
policy
  beneficial to start-ups 5
    Open Innovation model 93–104
    see also public policy
pollution 22
process model/theory 5, 109–23
property (accumulation) 57
    see also facilities
  ‘proportional conflict composition’ 132
psychology (immigrants) 114
public
  policy 27, 29, 33–4, 42–3
    commercialization of university
      research 61–76
    see also universities
sector intervention 14

R&D
  contracts (IFU/OFU) 69
cooperation 64
  internal 93–4, 102
    see also policy, Open Innovation
‘risk spike’ (move from basic science
to technology science research)
  64
tax breaks 33
registries, business 198
regulation 33
anti-trust 33
disclosure and reporting requirements
  33
    see also USA, legislation, Sarbanes-
      Oxley Act
relationships
  asymmetric 190
    see also communications; conflict
‘resources’ see Katz and Gartner
Framework
retirement (benefits) 18
risk
  attitudes to 190
capital see funding
financial 190, 191
  ‘spike’ (move from basic science
to technology science research)
  64
rock music festival 80, 85–6
rural communities 90
sales 52
Skattefunn 68
science 1, 63
entrepreneurs 145
IP 29
  National Science Foundation grants
    75
  parks 28, 31, 32, 65, 66, 70
  ‘risk spike’ (move from basic science
to technology science research)
    64
    see also biotech; ecosystem;
      technology
seed capital see funding
self-employment 16
service providers 31, 32
ship building 95
Singapore 27
SIVA 33, 69, 96, 99
Skippagarra 84, 85–9
skills 25, 29, 93, 142, 162–4
    see also education; knowhow;
      universities
SMEs 188, 189
SND 43
social
  benefits
    maternity leave 17
    retirement 18
welfare/wellbeing 75
sociology 1
  ‘soft support’ (training, mentoring,
    networking) 73
state intervention 14
suppliers 33, 36, 93, 207
supply (of entrepreneurs) 28–9
sweat equity see funding
Sweden 42, 162, 198
tax
  breaks 33, 68, 71
team
  member entry (ASOs) 142–53
  size and diversity 157–66
  see also conflict; TMTs

technology
  aerospace 15
  biotech 161
  computers 15
  engineering 95
  military 15
  parks 31, 32
  patents 15
  transfers 4, 62–5
    transfer offices (TTOs) 28, 61, 70,
   72, 73, 103, 145, 147, 157
  use 20, 93
  immigrants 118
Timmons model 23
TMTs (‘top management teams’)
  142–53, 157, 158, 159, 160–61,
  162–8
training see education, skills, soft
support, universities
transaction costs 27, 28, 30
transfer see technology
transnationalism 111
transport 52
TTOs (technology transfer offices) 28,
  61, 70, 72, 73, 103

UK
  Cambridge 62
  ethnic workforce
    Indian 122
    Pakistani 122
    see also immigrants
universities 28, 29, 61–76
Babson College Entrepreneurial
  Intensity Track 34
leave of absence schemes 73
technology transfer 62–5
  see also academic spin-offs (ASOs);
   technology transfer main
   entry
USA
  Ben Franklin Partnership,
   Pennsylvania 32
Boston 7, 8
  Babson College Entrepreneurial
  Intensity Track 34
  Route 128 28
California, Silicon Valley 7, 8, 28, 30,
  62
Centres for Advanced Technology,
  NY State 32
ethnic workforce
  Chinese 118, 122
  Haitian 122
  Hispanic 118–19
  Korean 122
  Pakistani 35
legislation
  Bayh-Dole Act 1980 7, 71
  Chinese Exclusion Act 1882 118
  Sarbanes-Oxley Act 2002 (Public
   Company Accounting
   Reform and Investor
   Protection Act) 33
  Small Business Innovation
   Research Act 32
risk capital markets 168
Small Business
  Administration 32
  Development Centers 31
  Innovation Research SBIR
    program 61, 69
  Partnership for Innovation grants
    75
utilities 52
venture capital 28, 64–5, 71, 72
  agency 175
  -backed firms 5, 175–85
  design characteristics (ASOs) 6,
   157–68
  - entrepreneur relationship 6, 175–85
  see also funding
voluntary sector see non-profit
volunteers 84
women 50, 52, 54
  employment 13, 14, 16
  maternity leave 17
  see also ethnic diversity; gender