Note: Page numbers followed by "n" with numbers indicate notes.

Academic(s), 97	participant rating of initial set,
academic/practice-oriented	38–39
material, 6	participant voting on initial set, 39
hierarchies of knowledge, 181	Capital grants, 99
knowledge, 176	Centre for Enterprise (CfE), 182
modes of knowledge production,	Classical free-enterprise model, 154
179–181	Cloud computing, 18
Accountants, 101, 103–104, 106–107	Cloud-based storage, 18
Action-based learning principles, 75	Cluster concept, 140
Activity theory (AT), 186	Co-creation, 78–79
Analytic output sharing, 180	barriers to co-creation, 89
Analytical tasks, 60	knowledge, 75, 87-89
Analytical techniques, 33	prerequisites for, 88
ANAO-OGO model of service	results, 88–89
delivery, 14	sets, 75
••	Codified sharing, 180
Bankers, 107	Cognitive decision-process maps,
Behavioural integration, 177	57–61
Bounded rationality model, 50–51	Cognitive mapping
Business	for decision process, 56–57
fundamentals, 37–38	techniques, 47
large businesses and supply chains,	Cognitive Style Indicator (CoSI),
104–105	52–53, 55, 62
Link, 101	assessment scores, 63
performance, 117	baseline CoSI assessments, 66
regulation, 105	style assessments, 55
Business Innovation Centre (BIC), 140	style scores, 65
Business support as regulatory	Cognitive styles, 47–49
context	assessments, 61–62, 68
regulation as support, 105–107	differences in decision-making
rethinking regulatory context,	process, 61–64
107–108	Cognitive-Experiential Self-Theory
SME business support, 98–105	(CEST), 51
• •	Collaborative Transformative
Candidate threshold concepts (see	Learning, 83
also Threshold concepts),	Conflict, 187–189
36–37	Conscientiousness, 177
initial set, 37	Consensus, 36

Corruption Perceptions Index, 166	E-business (<i>see also</i> Yemeni SMEs E-business), 10, 15
De novo firms, 99	benefits and barriers, 12–14
Decision Explorer (DE), 183	development in organizations, 22
Decision-making process, 2, 47,	empirical studies of adoption, 1
49–51, 53	evolution stage model results, 21
cognitive decision-process maps,	extended stage model of
57–61	adoption, 17
cognitive mapping for decision	levels of, 15
process, 56–57	six-stages of adoption, 16
cognitive style, 48–49, 61–64	in Yemeni SMEs, 11–12
CoSI style scores, 65	E-commerce, 10
data analysis, 55	adoption ladder, 16
data collection, 54–55	buy-side e-commerce stages, 15
entrepreneurial cognitions and,	organisation level, 16
48–51	sell-side e-commerce stage model,
findings, 57	16
frameworks, 46	stage model for, 15–16
limitations of study and	stairway, 16
recommendations, 68	E-government, 15
methodology, 52–53	Economic and devolved government
qualitative strand, 56	policy context, 138–139
quantitative strand, 57	Educators, 97, 102–103
research, 47, 53–54	Empirical
style and versatility, 57, 64	Empirical research on intuition,
theoretical framing, 51–52, 53	51–52
Delphi method, 2, 28, 33–35	reflections sharing, 180
Descriptive self-report assessments, 57	studies of e-business adoption, 1
Detroit Future City strategic	Employment advice, 103–104
framework, 161	Engagement (see Co-creation)
Dialogical scripting, 176	Enterprise
Digital	education, 103
digitally networked social	industry, 3, 96, 100
environment, 160–161	Nation, 101
economy, 162	Entrepreneurial decision making
meetings, 79–80	(ESDM), 47, 49–50, 52
platforms, 161	Entrepreneurial/entrepreneurs, 28, 32,
Division of academic labour, 181	46, 51, 61, 181
Dual process	cognitions, 48–51
models, 51	ecosystems, 161
theoretical approach, 47	forum, 34–35
Duplex model, 52	function, 30
	learning, 2–3, 74, 76–77
E-adoption	mindset, 74, 76, 79
ladder, 15	owner-manager, 49
models, 10–11, 16	practice, 4

Index 207

process, 76	External finance, relationship between
research, 5	VBM and, 126–128
society, 119	
Entrepreneurship & Regional	Facilitation of learning in TLC,
Development, 191n2	81–87
Entrepreneurship (see also	co-creation and learning, 78-79
Researching	co-creation of knowledge, 87-89
entrepreneurship;	description of case study, 79
Threshold concepts), 4, 28,	of learning processes in
46, 75, 79, 116, 163	entrepreneurial education,
categories of open resources and	76–77
processes, 157–158	networks and entrepreneurial
data ownership, 155	mindset, 76
defining OE, 164–167	role of networks as educators, 75
discipline, 3	understanding facilitation, 77–78
evidence of value creation,	Facilitator, 81–82
162–163	challenges faced by, 86–87
key literature, 30–33	Federation of Small Business (FSB),
OE, 156–157, 163–164	100
in open space, 154–155	Five-stage model, 14
openness, 158–160	Fixed (wired)-broadband technology,
questionnaires, 167–170	12
research approach, 157	Fixed-line subscriptions, 12
theories, 30	
value creation from open resources	Gibb's analysis, 107
and processes, 160–162	Global Entrepreneurship Monitor
Epistemic reflexivity, 179	(GEM), 164
ESRC project initiative, 3, 175, 179,	Government support, 97–100
181–185, 189	Government-funded programme, 103
'Europe 2020' strategy, 74	Graduate Business School, 176
European Regional Development	Great Depression, 138
Fund (ERDF), 140,	Greater London Authority (GLA), 118
145–146	Gut (intuitive style), 57
European Union (EU), 74, 116	II 11 1 4 1 70 05 06
Data Portal research, 162	Handbook style, 78, 85–86
Structural Funds Programme,	Herons cooperative approach, 84
141 EV DO Boy A 12	Higher Education Institution (HEI),
EV-DO Rev A, 12 Evolution of business knowledge	29, 102 Hub of All Things (HAT), 155
(EBK), 175, 182–187	Hub of All Things (HAT), 155
project, 181	Inclusive development OF for
small firms in, 196	Inclusive development, OE for, 163–164
team, 187–189	'Industry recipe' concept, 183
team relationships, 185, 187	Information
Extended stage model of electronic	process entrepreneurs, 46
husiness adoption 17–18	nrocessing modes 51–52

Information and communication technology (ICT), 10, 12	Log system, 79–80 Long Range Planning, 191 <i>n</i> 2
Innovation	0
innovative style, 78	Management Learning, 191n2
innovative-participatory approach,	Management Science (MS), 191n1
85–86	Mann–Whitney two-tail <i>U</i> -test,
and learning, 79	133 <i>n</i> 5
social, 154, 159	Mentoring, 122
systems concept, 140	contribution and implications, 118
Innovation and Skills (BIS), 121	entrepreneurship, 115–116
Integrative gateway, 29	findings, 117
Inter-organisational knowledge flow,	impacts of VBM and finance
159	support on business
International Association of	development, 128–130
Facilitators (IAF), 78	literature, 119–122
Internet adoption level, 15	methodology, 117, 123–124
'Internet of Things', 156, 161	qualitative case study evidence,
Intra-organisational knowledge flow,	130–131
159	
Irreversible gateway, 29	relationship between VBM and external finance, 126–128
Theversible gateway, 29	
V noveledge 01	role in youth entrepreneurship finance, 117
Knowledge, 81	
co-creation, 75, 87–89	survey profile, 124–126
knowledge-based economic	theoretical and policy implications
development, 138	for VBM and microfinance,
knowledge-based enterprise,	131–132
138–140, 145–146	unlocking potential, 116
Knowledge production, 187–189	VBM, 118–119
academic modes of, 179–181	YBI Programme, 122–123
and context calls, 176	Microfinance, 133 <i>n</i> 2
* 11 0 11 12	investment, 132
Ladder of connectivity, 16	theoretical and policy implications
Learning (see also Transformative	for, 131–132
learning circles (TLC)), 156	Micropolitics, 178
circle participants, 80	Multiplex relationships, 177–178
co-creation and, 78–79	
concept, 147	Networked information economy, 160
entrepreneurial, 2–3, 74, 76–77	Networks and entrepreneurial
experiential, 79	mindset, 76
materials, 157–158	Nordic Network for Adult Learning
model, 80	(NVL), 74
processes, 75–77	NVivo software, 180
Leverhulme Trust, 179	NVIVO10 software, 35
Loan guarantee schemes, 99	
Local Enterprise Partnerships	Online Qualtrics survey, 117, 123–124
(LEPs), 101–102	Open Banking, 157

Index 209

Open collaboration, 157	business, 105
Open Contracting, 157	regulatory context, 97
Open Data for Community Economic	state, 98, 107
Development, 157	as support, 105–107
Open Data for Development	Relationship-based conflict, 176–177
(OD4D), 156	Reliability analysis, 19–20
Open Data Institute (ODI), 156	Researching entrepreneurship (see
Open educational and learning	also Entrepreneurship), 174
materials, 157–158	academic modes of knowledge
Open entrepreneurship (OE), 1–2,	production, 179–181
156–157, 162, 164–168	conceptualisation and design, 174
for inclusive development, 163–164	EBK, 182–187
Open Innovation (OI), 156, 159, 168	philosophical underpinning, 175
learning, 160	research methods, 181–182
Open Programmable City, 161	team-based conflict, 176–179
Open resources, 1–2, 154	Resource-constrained firms, 99
and processes, 157–158	Risk, 31, 37, 39, 41
value creation from, 160–162	Royal Society, 179
'Open Space' dimension, 1	RTP Action Plan (1998), 140
Openness in entrepreneurship and	11171611011711111 (1990), 110
innovation, 158–160	'SA1 Waterfront', 138
Openwashing, 157	Small and medium-sized enterprises
Opportunity, 37, 39, 41	(SMEs), 10, 21–22, 96, 97,
evaluation stage, 46	160
identification process, 46	business support, 98
Organisation for Economic	CEOs/managers/owners, 18
Co-operation and	educators, 102–103
Development, 74	government support, 98–100
Beveropment, 71	large businesses and supply chains
Participants, 76, 81–82	104–105
perceptions, 86	membership organisations,
'Pay-per-use' system, 18	100–102
Place, concept of, 161	professional services, 103–104
Post finance, 119	Small business entrepreneurs, 46
Post-award period, 185	'Smart Cities', 156, 161
Pre-award period, 184	'Smart Nation', 161
Privileging agency, 32	Social
'Programme' cluster development, 140	cognition, 50
Psychometric assessments, 57	enterprise, 154
Psychometric questionnaires, 47	entrepreneurship, 75
1 sychometric questionnaires, 47	exclusion, 98
R&D Management, 191n2	innovation, 154, 159
Rational-Experiential Inventory	media, 17
(REI), 52	socio-constructivist learning
RCUK, 179	theories, 77
Regulation, 97	system. 74–75
	5 (5 (CHI) T 5

Software as a Service, 18	participant's perceptions, 86
'SPECIFIC' solar energy initiative,	Transport for London (TfL), 162
144	•
Statistical Package for Social Sciences	UK Fair Finance Microcredit
software, 19	Programme, 122
Style and versatility, 57	UN Sustainable Development Goals,
in decision-making process, 64	155
Sub-Regional Innovation System	Unemployment, 98
(RIS), 138	United Nations Strategic
learning concept within, 147	Development Goal (UN
Subsidised loans, 99	SDG), 163
Supply chains, large businesses and,	Universal Declaration of Human
104–105	Rights (1948), 163
Swedish voluntary mentoring scheme,	Urban Programme, 121
133n4	Utility models, 164
133114	Ctiffy models, 104
Task-based conflict, 176–177	Value creation
Team, 37	evidence, 162–163
members, 177	from open resources and processes
team-based conflict, 176–179	160–162
team-based research, 179	Volunteer business mentoring
Technium initiative, 2	(VBM), 3–4, 115, 117–119,
Technium Swansea, 140–142, 147	122–123
approach, 142–143	impacts on business development,
economic and devolved	128–130
	relationship between VBM and
government policy context, 138–139	external finance, 126–128
existing discussion of Technium,	theoretical and policy implications
143–144	for, 131–132
survey results and documentary	101, 131–132
evidence, 144–146	Warzan website and mail, 12
theoretical context, 139	Web technology adoption levels, 14
Three-stage Delphi-inspired process,	Welsh Development Agency (WDA),
34	138
Threshold concepts, 2, 28	136
	Yemen Ministry of Communications
description of study, 34–36	and Information
findings, 37–41	
key literature, 29–33	Technology, 11
methodology, 33–34	Yemeni SMEs E-business (see also
Transformative learning circles	Small and medium-sized
(TLC), 75	enterprises (SMEs)), 11–12
challenges faced by facilitators,	benefits and barriers, 12–14
86–87	findings, 19–22
co-creation of knowledge in,	methodology, 18–19
87–89	multiple adoption entry points, 22
facilitation in, 81–86	stage adoption models, 14–18

Index 211

Yin principles, 142 Youth Business International, Global Entrepreneurship Monitor (YBI/GEM), 116

Youth Business International Programme (YBI Programme), 122–124 Youth entrepreneurship, 115–117, 120