

1XX 48

A

absolute 60-61, 63, 67
abstraction 19
acceptance 11, 36, 55, 70, 75, 83, 84,
94
accident 43, 57, 61, 62
activism 15
actual 9, 21, 22, 311, 57, 63, 86
ad-hoc 94
advertise 43, 56, 67, 97
advocacy group 5
aircraft 20
Alaszewski, A 32
alert 6, 81-82
allergy 40
alpine fault 16
analysis 6, 16, 21, 32, 33, 40, 63-65,
68-72, 85, 87
analyst 18, 64-72
analytical techniques 4
anniversary 43
apathy 11
appreciative inquiry 36
arrogant 3
ASNZS 4360 2, 4, 5, 7, 63
asthma 40
Auckland 40, 84-88, 92, 93
Auckland District Health Board 84
Auckland Regional Council 84
Auckland City Council 85
Australian 74

B

Ballantyne's 26, 76
Bay of Plenty 46, 72
behaviour 2, 4, 12, 18, 24, 29, 32, 38,
40, 83-84, 94, 98-99
best practice 97
Bhopal 88
bias 6, 21, 31, 66
biotechnology 30

blog 24, 51
board of directors 50, 65, 67, 71
Bookbinder, L 54
boundaries 43, 67, 69
brainstorming 16, 52
breach of trust 9, 32
breakdown 30-32, 41, 79
breast cancer 59-60
Britain 12, 31
brochure 43, 46, 87
BSE 31, 37, 38
Buller Gorge 96
Bush Administration 33
buy-in 22, 65, 93, 99

C

Cabinet 5, 20
CAE 46
campaign 10, 14
cancer 3, 6, 59-60
Cartwright Inquiry 32
case study 12, 4-5, 13-14, 16, 20, 21,
23, 35-37, 40-41, 46-48, 55, 57-58,
72-75, 87, 95-99
Center for Risk Communication 50
change management 55
Chernobyl 3
Chess, C, 83, 84
chief executives 5, 73, 75, 78
children 15, 18, 43, 85-86, 98
Chinese 44-46
Christchurch 26, 76, 95
citizens 3, 34, 39
Civil Conversation 36
civil defence 10, 45, 73, 81-82, 84, 92-
93
clarification 56, 82, 84
client 25, 64-68, 71, 89
coal 95-96
collapse 16
commitment 7-9, 13, 31, 39, 40-41, 89,
97, 99
communication strategy 13, 14, 18, 21,

26, 49, 93-99
communicators 12, 15-16, 25, 30, 50, 81
competence 31, 34, 39, 54, 69
complacency 21, 44, 45, 83
compliance 49, 89
comprehension 18, 23
conceptualise 32, 34
concern 3, 12-14, 16, 19-20, 22, 24-26,
30, 33-35, 39-41, 49-50, 52, 54-55,
57, 61, 66, 71-72, 78, 81, 84-85, 87,
89, 95, 98-99
conditional probability 60-63
confidence 1, 29, 31, 36-37, 39, 41, 45,
49, 52, 65, 69
conflict 6, 32, 35-36, 38, 39, 41, 54, 58,
84
confusion 32, 34, 53, 63, 85, 86
consequences 2, 8, 10, 12, 18, 19, 20-
23, 30, 32, 42, 63, 69, 71-72, 88
consultation 3, 4, 7, 16, 20, 25, 40, 52,
83, 92, 95, 97, 99
contamination 84-88
context 4, 7, 11, 21, 22, 38, 63, 86
controversies 6, 26, 32, 35-36, 50, 58
co-operation, 53, 58
cooperative behaviour 38
co-ordination 5, 8, 23, 38, 58, 72, 1, 4,
5, 52, 53, 79
cost 30, 38, 67-70, 72, 73, 90, 91, 93
cost-effective 90-91
courage 7-9
Covello, V 50-52
credibility 1, 15, 22, 29-33, 37, 39, 5, 79
crime 60
crisis 31, 49-51, 53, 76, 79, 81, 91-92
crisis communication 49, 92
criticism 11, 32, 52, 82, 92
Cronin, K E 37
Crown Law Office 85
cyanide 1

D

dam 16
danger 10, 12, 16, 20, 40, 53, 57, 62,
76, 86, 87
David Smith 73
Davies, J C 102
death 23, 26, 61, 62
debate 32, 35-37, 70

deficit model 34-36
demographic 16, 25
Department of Conservation 87
Department of Labour 13
dialogue 3, 4, 35, 37-38
dietary supplement 5
dilemma 11-12, 63
director 25, 65, 71
disagree 3, 12, 20, 38
discovery 40, 77
disproportionate 2, 86
disruption 1, 25-26, 64, 72
dissemination 6, 24-25, 47-48, 86, 95,
99
district council 45, 47, 73, 75, 84
distrust 29, 30, 32, 34-35, 41, 81
doctor 30
Domestic and External Security Co-
ordination (DESC) 1, 2, 5
dread 3, 12, 58
drug 60-61
drug trial 60-61
due process 31
dynamic forum 24-25

E

earthquake 16, 21, 42-44, 61, 81-82, 84
East Coast 95
Eiser, J R 32
embed 3, 89-91, 93
emergency 13, 57, 66, 73, 76, 78, 82
emergency services 47, 57, 73
emotional 6, 9, 18, 24, 35, 58
empathy 9, 31, 53-55, 78
emphasis 10, 19, 22-23, 34
empowering 42-44, 65
Endreny, P 19
engineering 35, 52, 73-75
English 44
environment 5, 29, 37, 57, 73, 79, 88,
97
Environment Waikato 73-74
environmental 16, 25, 29, 33-34, 37,
39, 57, 96
EQC 42-46
EQ-IQ 43
eradication 40-41
erosion 74

- erosion of trust 40
 evacuees 46
 evaluation 4, 7, 26-27, 78, 83-85, 89, 90, 95
 event 1, 2-3, 6, 8-10, 12, 18-19, 21-22, 26, 30, 32, 42, 45, 47-49, 51-52, 54, 62, 64-65, 68, 70, 72-74, 76-77, 82, 91, 94
 event-based 6
 executive 5, 64, 71, 73-75, 78, 91, 93
 expectations 11-12, 16, 25, 29, 35, 40, 45-46, 49-50, 75, 77, 86, 89, 92-95
 expert 1, 3, 8, 12, 17, 20, 30, 31-32, 34-36, 39-41, 51, 56, 58, 61-62, 79, 82, 85, 88
 external 4, 5, 18-19, 50, 66, 76, 78, 80, 88, 91, 97
- F**
- fact 11, 18-19, 21, 24, 35, 43, 45, 52, 79
 factoid 79
 factor 3, 18, 29, 31, 34, 39, 42, 50, 69, 71, 91, 95
 family 42-43, 82, 93
 farm 6, 46-47, 92
 fear 3, 9-10, 12-14, 18, 20, 35-36, 42, 55, 80, 88
 Federated Farmers 47, 92
 feedback 23-26, 44, 49, 68, 78-79, 81-84, 86, 88, 90, 97-99
 feedback loops 68, 82
 finance 67-68, 74
 financial impact 11, 18, 85, 88
 fire 13-14, 23, 26, 50, 52, 55, 57, 76-78
 Fischhoff, B 103
 fisheries 12
 flood plain 83
 flooding 16, 46, 48, 65-66, 72-75, 83
 food 30, 32, 38
 formative evaluation 83
 Franz Joseph glacier 16
 Frewer, L 32
 Friedman, S M 108
- G**
- gain 11, 18, 74, 97, 99
 Gaw, S K 85-86
 genetic engineering (GE) 35-36
 genetic modification (GMO) 30, 35-36, 37
 Gigerenzer, G 59
 Gisborne 72, 81-82
 global warming 33
 GMOs 37
 goal 19, 31, 49, 50, 65, 83, 90
 goodwill 31, 99
 governance 83, 89, 91
 government 1, 4-5, 13, 17, 20, 31, 34, 38-39, 41, 45, 47-48, 56, 73, 82, 94-95, 97
 government agency 4, 41, 82, 97
 government Ministers 38
 green-lipped mussels 6
- H**
- Hales, S 40
 Hamilton 43
 Hawkes Bay 43
 HAZNO Act 4
 health 5, 12-13, 29-35, 40, 41, 47, 49, 83-86, 88, 93
 Health and Safety in Employment Act 13
 Heath, R L 49
 hiding 8-9, 11, 65
 high-risk 45
 hindsight 9, 88
 historic 61-62, 74
 HM Treasury, 30
 honest 2, 8-9, 30-31, 34, 38, 41, 50, 70-71, 78, 93
 horticulture 84-86
 Hoskin, K 23, 48
 hospital 32
 House of Lords 29, 37
 household 42-43
 Hrudley, S E 105
 Hulse, P 41
 human life 18
 humanise 6
- I**
- IAG NZ 72-76
 impact 2, 11, 13-14, 18, 20, 25-26, 30, 32, 34, 40, 46, 67, 73-74, 82, 85-86, 88-93, 98, 99
 imposed 3, 49, 66
 inactivity 21, 22, 42, 83
 inappropriate 29, 40, 54, 68

incompetence 34, 39, 54
incorrect 62-63
independence 6, 18, 38, 40, 41, 71-72, 82, 88
influence 11, 15-19, 21, 30, 38, 54, 56, 65, 70, 78, 82-84, 91
influencer 15, 19
influenza 10
insect 40
insecticide 40
insurance 42, 45, 72-75
insurer 47, 72-75
interact/ion 3, 5, 21, 23-24, 36, 79, 92, 95, 98-99
interdependence 30
interest 6, 16, 34, 47, 55-57
interest groups 33, 35, 37
internal 11, 25, 49-50, 78, 80, 88-89, 97-99
international 1, 8, 34, 55, 58, 81, 84, 96
internet 6, 25, 82
interpretation 17-18, 29, 38, 42, 63, 81-82, 84-86, 88
investment 39, 52-53, 65, 70
investigation 6, 70, 74, 84, 88, 94
involuntary 3, 78
irrational 3, 4, 9, 65, 66

J

jargon 25, 57, 58, 79
Jasanoff 54
Johnson, B 34
journalists 5, 6, 58
judging 7, 11, 18-19, 34, 38, 68, 82, 86

K

key stakeholders 7, 8, 15, 47, 54, 77, 98

L

Lanard, J 11
land 52, 85, 86,
Land Information Memoranda (LIMs) 45, 85
Land Transport Safety Authority 97
land-fill 6
landslide 16, 42, 73
language 12, 22, 39, 43-44, 58, 70, 81, 83, 84

layperson 12, 18-19, 32, 88
Lee, T 21, 81
legal 11, 14, 47, 52, 71
legislation 4, 13-14, 26, 42
legitimacy 52
level of risk 7, 9, 13, 31
lifestyle 25, 46, 47
likelihood 2, 14, 31, 52, 63, 79
lobby group 5, 34
local government 47-48, 97
long-term 5, 8, 11, 19, 30, 39
loss 1, 18, 31, 39, 72-73
lyprinol 5, 6

M

Ministry of Agriculture and Fisheries (MAF) 40, 41, 92
magazine 5, 56
magnitude 2, 8, 14, 18, 63, 87
mammogram 59-60
management strategy 1
manipulation 33
Martin, J 29
mass media 15, 51
mathematics 59-60, 62-63, 69
matrix 51
McComas, K A 30
media 1, 5-6, 15, 18-21, 24, 34, 43, 47, 51-58, 72-73, 81-82, 84-85, 88, 93
media environment 5
medical 3, 30, 32, 38
medium 47, 54-55, 56
Meertens, R M 107
memorable 3, 15, 18, 19, 51
mental maps 21
mental models 36
message maps 50-51, 58
meta-risk 68
migrant 44-45
Mike O'Leary 82
Miles, S 31, 38
Milford Road 87
Minemata 88
Ministry for the Environment 85
Ministry of Research Science and Technology (MORST) 35
Ministry of Social Development 94
misapprehension 20, 24

miscommunication 17, 60, 61-63
 misconception 22, 27, 46
 misinterpretation 29, 82, 86
 mistake 41, 78, 93
 misunderstanding 29, 55, 80
 mitigation 1, 2, 5, 16, 20-21, 42-45, 75-76, 88, 97, 99
 monetary policy 88
 monitoring 4-5, 7, 20, 41, 52, 67, 79, 81, 87-89, 90, 95
 Morgan, M 36
 motivation 19
 mountain 20-21, 87

N

natural disaster 42-45, 72-73
 natural hazards 16, 30, 45
 New Zealand Herald 82, 86
 negative event 30
 New Orleans 21
 New Zealand Ministry of Health 105
 New Zealand Post 48
 news media 5, 19, 57, 84, 88
 newspaper 5, 25, 43, 51, 56, 60, 81
 Ngakawau 96
 North Island 20
 Northland 23, 92
 nuclear 17, 37
 numbers 2, 6, 59-64, 67-68, 97
 New Zealand Fire Service (NZFS) 14, 55, 57, 95

O

objective 2, 19, 23, 26, 33, 38, 49, 55, 62, 66, 78, 81, 89, 90-91, 94-95, 97, 99
 obstruction 36
 official sources 6
 Ohakune 21
 ONTRACK 95
 open 9, 34, 40, 52, 78, 86, 99
 opencast mines 95
 opinion 12, 15-16, 19, 30, 40, 48, 51-52, 54, 61
 organisational accountability 54, 88
 organisational learning 93
 Otira Tunnel 96
 outrage 3, 6-7, 9, 11, 78, 81-82
 ownership 24-25, 42, 45, 55, 71-72, 85-

86, 88, 92

P

Pacific 93, 94
 Pacific Tsunami Warning Centre (PTWC) 81-82, 84
 panic 9, 34
 parliament 13, 37
 Parliamentary Commissioner for the Environment (PCE) 33
 participatory evaluation 83, 85
 partnership 41, 73
 patient 32
 patients' rights 32
 Patton, D E 21
 perceived 3, 9-10, 13, 18, 20-21, 26, 29-31, 37, 39, 41, 70, 76, 87
 perception 3, 8, 13, 17-19, 21-22, 26-27, 30, 32, 34, 39-40, 57, 81, 84
 performance 11, 48, 63, 83, 94, 98
 pest 41, 75
 Peters, R G 39
 physicians 37, 59
 pilot project, programme 35, 37
 placebo 61
 police 1, 2, 48, 60
 political 32-33
 politician 34, 72, 91
 population 21, 25, 45, 62, 69
 Port of Lyttelton 95
 potential issues 7, 8, 11
 power 6, 15, 37, 56, 66
 press 24, 43, 45, 55, 66-67, 82, 92, 97
 Prime Minister 12, 20
 print 56, 66
 proactive 7, 11, 14, 19, 94, 99
 probability 2, 14, 18, 32, 42, 59, 60-62, 63, 70, 84
 procedure 1, 4, 40, 49-50, 66, 76-77, 82, 84, 87, 97, 99
 profit-driven 6
 progress 24-25, 35-37, 83, 97
 Project Aqua 21
 Project Roadbridge 95-6
 prosecution 13-14
 protest 6, 15, 83
 protocol 4, 52, 88, 98
 psychographics 16
 psychological 8, 17, 24, 29, 64

public 13, 5-13, 16-20, 24-26, 29, 31-40, 42-43, 46-48, 52, 54, 56, 67, 72-74, 76, 79, 82-84, 87-88, 92-94, 96-99
public awareness 10
public education 42-43
public relations (PR) 5, 34
public safety 1, 2, 73, 99

Q

qualitative 2, 16, 37, 63
quantifiable 18
quantitative 37, 63, 68-69, 84
questionnaire 83, 90-91

R

radio 5, 48, 57, 84
Rangitaiki Plains 46
rational 19-20, 65-66
reaction 1-3, 9, 26, 66, 86, 88
reactive 26, 89
real 9, 41, 63, 68, 85
reassuring 8, 12, 20-21, 31, 44-45, 53, 73
recovery 5, 18, 47, 73
Reefton 96
regional council 16, 47, 57, 84
relationship 2, 24, 30, 35-36, 46, 55-56, 63, 75, 79, 89, 91, 95, 97
relative 2, 17, 44, 60-61, 63, 85, 96-97
reliability 6, 29, 31
reliable 38
reporter 6, 19, 51, 54
reputation 8, 11, 27, 96, 99
research 12, 15, 18, 30, 32-35, 38-39, 45, 49-50, 68-69, 74, 88
residents 15-16, 20-21, 25, 40-41, 47-48, 74, 81-82, 85-86, 88, 92
resilience 12, 76
resource kit 43
Resource Management Act 4
response 3, 5-6, 10, 13-14, 19-21, 24-26, 30, 39-40, 47, 50-51, 58, 72, 76, 78-79, 84, 86-88, 92, 97
Rick Barker 92-3
risk exposure 18, 45, 65
risk manager 3, 7, 9-11, 59, 94
risk treatment 7, 65-69
risk treatment plan (RTP) 66
river 16, 21, 47, 73
river scheme 47

road 18, 61-62, 87, 98-99
roading 55, 57, 74, 87, 99
Rodrigue, C 21
Rousseau, D 29
Royal Commission 76-77
Ruapehu 20-21
rumour 10, 13
rumour mill 11, 79

S

safety culture 11
Sandman, P 3, 8, 10-11, 14, 54, 56
Sarewitz, D 33
satisfaction 83, 84
scare 3, 8-9, 13, 21, 38, 92
scientific uncertainty 32-34
scientists 3, 6, 12, 33-38, 41, 53, 82, 88
secrecy 3, 38
semi-quantitative 63
senior management 4, 7, 11, 13, 66, 94
sharing 53, 77, 97
ship 17
short-term 8, 11, 26, 40, 68
silo 50
simplification 15, 63, 69
Singer, E 19
skiers 20
Slovic, P 30, 34
Smith, A 64
Smith, D 73
smoke 23, 76-77
smoking 33-34
social network 51
socio-economic 25
socio-scientific 34
soil 84-86, 88
solid energy 95-99
South Island 16, 95
Southland 95
special committee on nuclear propulsion 17
specialist 2, 13, 17, 55, 57, 75, 94
speculate 11, 14
spokesperson 15, 51-52, 56, 58, 91-93
sports 21
stakeholder mapping 16, 95
state owned enterprise (SOE) 67
static forum 24-25

statistics 18, 22, 59, 63, 70
 stereotype 37, 39
 Steve Ruru 75
 stories 5-6, 11-12, 19, 21, 51, 56-58, 60
 strategy 1, 5, 6, 10-11, 13-14, 17-19, 21,-
 22, 24-27, 33, 49-50, 53, 65, 83-84,
 88-90, 92-95, 98-99
 subsidence 52
 suppress 11, 39
 surgeon 31, 32
 surgery 31
 surveillance 89
 survey 23-24, 37-39, 47, 83, 90-91

T

tactic 49, 65
 target group 67
 targeting 4, 7, 9, 11-13, 15-17, 19, 21,
 23, 25-27, 43, 48, 65, 67, 82, 89,
 94, 95, 97
 Te Kotahitanga 23
 technology 17, 30, 34-35, 78, 89, 93
 tectonic 43
 television 5, 12, 26, 43, 44, 57, 81
 Thames Coromandel 72-73, 75
 third party 79, 91
 threat 1, 2, 12, 26, 40, 71, 84
 time frame 23, 25-26, 89
 timing 7, 9, 11, 13, 15, 17, 19, 21, 23,
 25, 26-27, 53
 TNL 96-98
 tolerance 5, 18, 68
 Tonga 81
 Tony Blair 12
 tools 2, 15, 19, 21, 23, 45, 51, 53-54,
 74, 87, 97
 tourism 20, 87
 Tourism New Zealand 87
 tourist 20, 87, 96
 toxic 1, 52, 85-86, 88
 toxin 85-86, 88
 tracking 83, 90
 Transit New Zealand 87, 96
 Trumbo 30, 37
 trust 8, 18, 21-22, 29-32, 34-35, 37-41,
 45, 51, 76, 83, 91
 trustworthiness 8, 15, 30, 34, 78
 tsunami 81-82, 84, 93

two-way 20, 27, 76, 79

U

uncertainty 2-6, 10-12, 17, 29, 30, 32-
 34, 38-39, 50, 59, 62, 69-70
 uncontrollable 3
 unfair 3, 30
 unfamiliar 3, 20
 Union of Concerned Scientists (UCS) 33
 United Kingdom 37
 untrustworthy 3
 United States of America 1, 33, 50

V

value 4, 6, 18, 20, 22, 27, 30, 34-36,
 38, 40, 52-54, 58, 63, 65, 68, 70,
 82, 84-85, 95, 101
 value judgement 68
 verification 6, 82, 92
 Victoria University 35
 violence 94
 visitors 20
 volcano 20-21, 42, 86
 voluntary 3, 78, 83, 99
 voluntary acceptance 3, 78, 83
 volunteer 13, 48, 114
 vulnerability 5, 10, 18, 29, 33, 73

W

Waikato 73-74, 95
 Waitaki River 21
 Walker, G 77
 waste 1, 6
 weather 72-74
 weather bomb 73
 websites 5, 8, 24-25, 43, 45-47, 87, 90
 Weir, P L 87
 Wellington 1, 35, 61, 92
 well-meaning 31
 West Coast 16, 40, 95-97
 West Coast Regional Council 16
 Westport 96
 Whakatane 46
 whole-of-government 5
 wind 6
 woman 59-60, 73
 women 32, 59, 77

