

Index

Figures are indicated by italic page numbers.

- activity ideas 59, 60–2, 66–9, 204, 207; income generation 64
- activity lists 62–5
- adaptive capacity 34–5
- agriculture 61; Climate-Smart 65, 66, 109–10, 196; committee 99–100, 104–5, 126–7; *see also* farmers; gardens
- annual cycle *see* seasonal calendar
- assets 31, 146, 149, 153
- association, professional 209
- Association Management Committee 213
- awareness raising 65, 205–6

- barriers, water management 177–8, 179, 181
- baselines 119–20, 121, 136
- behavioral changes 81
- Brundtland Commission 12
- brushwood check dams 194, 196, 198–9
- budgets 82–5; *see also* financial support
- bunds 177–8, 182
- business development 214
- business surveys 209–10, 212–13
- buyers 209–10
- buy-in *see* ownership

- calendar *see* seasonal calendar
- capacity assessment *see* Participatory Capacity and Vulnerability Assessment
- capacity building 30, 103, 147, 204
- capital, natural 34
- catchments 184, 188
- causes of challenges 17–19, 51, 143–4
- CBDRR (Community Based Disaster Risk Reduction) 202–8
- Center for Sustainable Development 2
- challenges 17, 18; of climate change 11–12, 48–9
- check dams 194–201
- chlorine 185
- cisterns 184–5
- climate change 1, 11–12, 42, 45, 48–9; awareness program 65; context statement 52–3
- climate hazards 24, 33; mapping 26, 27, 32, 145–6
- climate information 40–9, 50
- Climate-Smart agricultural practices 65, 66, 109–10, 196
- co-management of project 103, 107–10
- communication 9, 108, 109
- Community Agricultural Committee 99–100, 104–5, 126–7
- Community Based Disaster Risk Reduction plan (CBDRR) 202–8
- Community Based Water Management Committee 192
- Community Management Committee 99–100, 103
- community needs *see* Participatory Needs Assessments
- compost 163, 164, 168
- consciousness-raising 65, 205–6
- consultants 70–2
- context statement 52–3
- contour ridges 177, 179, 181
- coping strategies 30, 33, 40, 147
- costs 3, 83, 185

- dams 194–201
- data: on climate 40–9, 50; *see also* indicators
- decision-making skills 119
- demonstration plots 105, 157
- diarrhea 64, 69, 77
- disasters 3, 11, 12, 202–8
- disinfection system 185
- diversifying livelihoods 209–14
- documents 73–4, 82, 106–7; for knowledge transfer 111–12
- donors 70–1, 73, 84, 88–91; fact sheet for 85–8
- downspouts 184, 188
- drawings 17, 105, 141; ‘how-to’ card 113–14, 136; of seasonal calendar 25, 109
- DRR plan (Disaster Risk Reduction) 3, 202–8

- early warning systems 206
- empowerment of community 103, 107–8

- end of project 120, 127–8; *see also* planning, long term
- erosion 164, 177–8
- evacuation 206
- evaluation and monitoring plan 79–80, 118–28
- evaporation 164
- expenses, budgeting 82–3
- expertise 42, 70–2, 192; for the future 122, 124
- facilitating 16–17, 137–8; teambuilding 97–8
- facilitators, role of 137–8
- fact sheet, for donors 85–8
- family garden *see* gardens
- farmers 35, 162–69, 209–10
- feedback: from community needs assessment 140; from donors 89–90; from needs assessment 15; on ownership 69–70
- fencing 158
- field staff 1–2, 82–3
- financial capital 34, 35
- financial support 73, 85–90, 124–6
- first flush, rainwater harvesting 185, 186, 190
- follow-up plan, by NGO 127
- food security 11
- funding the project *see* financial support
- furrows 179
- future *see* planning, long term
- gardens 61, 67–8, 77; raised beds 154–5, 156, 159, 160–1
- geography of community 170; *see also* mapping
- goals 63, 65, 76, 77
- grass strips 178, 179, 183
- Guatemala example: activity list 64–5; budget 84–5; climate change challenges 43, 48–9; goals 65, 76; log frame 75–7, 78; partners 125–6; problem statement 53, 64, 75; Project Consultants and Working Partners 71–2; project outline 52; Project Schedule 86; teambuilding 98–9
- gulleys 196
- gutters 184, 186, 188
- hand washing 69
- hazard mapping 145–6, 149, 171, 172, 196; Participatory Climate Hazard Map 26–7, 32; workshop 151–2
- hazards 25–6, 146, 149
- hedgerows 178, 182
- historical timeline 26, 28, 29–30, 149; example 32–3; workshop 152
- home gardens *see* gardens
- 'how-to' card 113–14, 135, 136
- human capital 34
- illustrations *see* drawings
- impact of project *see* planning, long term
- impacts, negative 19, 20–1, 45
- Impact Statement 81
- income generation 64
- indicators 79–80, 120–1
- information: on climate 40–9, 50; exchange of 111–12, 134–6
- internet resources 42, 61–2, 66–7, 135
- knowledge: local 9, 23, 42; transfer of 111–12, 134–6
- leaders of community 14, 138
- Learning and Action (PLA) ranking tool 16
- lesson plans 16, 112–13, 136
- livelihoods 30; diversifying 209–14; impact of hazards 30–1, 153
- local knowledge 9, 23, 42
- logical frameworks (log frames) 66, 73–8
- mainstreaming 66
- maintenance of rainwater harvesting 190–1
- Management Committee, Association 213, 214
- Management Committee, Community 99–100, 103
- management skills 108, 110, 126–7; *see also* project management
- mapping: baseline 119–20, 136; by community 115–16; hazards 26, 27, 32, 145–6; resources 170–76; workshop 114–16, 173–6
- market links 209–14
- measuring success 79–80, 120–1
- mentoring 108, 110
- monitoring and evaluation plan (M&E plan) 79–80, 118–28
- mulch 163, 164, 167
- natural capital 34, 35
- needs assessment *see* Participatory Needs Assessments
- negative impacts 19, 20–1, 45
- NGOs (non-governmental organizations) 2, 15, 70–2, 111
- numbering systems 78
- nutrition 64, 154
- organic material (OM) 154–5, 163, 164; workshop 159, 160–1, 168
- organizational development 214
- outcomes 19, 80–1; identifying milestones 122, 123–4; *see also* planning, long term
- Outcome Statement 81–2
- outline *see* project outline
- ownership 60, 69–70, 95; empowerment of community 103, 107–8; of project 9, 13, 81
- parallel documents 82
- Participatory Capacity and Vulnerability Assessment 24–35, 145–53, 202; prioritizing results 205

- Participatory Climate Hazard Map 26, 27, 32
 Participatory Learning and Action (PLA)
 ranking tool 16
 Participatory Mapping of Soil and Water
 Resources 170–76
 Participatory Needs Assessments 9–10, 13–17,
 137–44
 Participatory Workshop 137–8
 partners 15, 70–2, 125–6
 peer-reviewed papers 42, 66–7, 135
 photos 16, 87, 115, 137
 planning, long term 51, 95, 120, 126–8;
 identifying milestones 122, 123–4; impact of
 project 80–1; for takeover 103, 108
 planning matrix 77
 PME (participatory monitoring and evaluation)
 plan 118–28
 posters 24; *see also* drawings
 presentations 88–9, 105
 prioritizing: hazards 33; needs 17–18, 140, 141,
 192–3; workshop 142, 143, 144
 problem statement 18, 62–5; example of 20–1,
 64, 75; revised 37–8, 52–3
 Professional Association 209, 211–12
 project budget 82–4
 Project Consultants and Working Partners
 70–2
 project management 73, 95, 126–7; committee
 99–100, 103
 project outline 18–21, 62–5, 106–7; revised
 35–7, 49–52, 54
 Project Schedule 85, 86
 promotion of organisation 16
 proposal forms 86

 rainwater harvesting: community level 192–201;
 household 184–91
 raised beds 154–5, 156, 159, 160–1
 ranking tool 16
 reforestation 193, 194
 representation 14, 24, 138, 139
 rescue plan 207
 research 60–2, 66–9; climate information 40–6
 reservoirs *see* storage tanks
 resources 31, 124, 146, 172; impact of hazards
 153
 results matrix, voting 140
 revision: of problem statement 37–8, 52–3; of
 project outline 35–7, 54
 risk planning 202–8
 role play 16, 24
 rooftop rainwater harvesting 184–91, 186
 runoff 194

 sales 210
 scientific papers 40–6, 66–7, 135

 search and rescue 207
 search terms, online 42, 67
 seasonal calendar 24–6, 28, 145, 149, 150;
 example 31–2
 seed planting 154–61
 selling project to donors 86–7
 skill sets 111, 114–16; building 108, 110
 sloping land 177–83
 smallholder farmers 162–69, 209–10
 social capital 34
 soil 164, 165, 177–83; bunds 177–8, 182;
 conservation 59, 110, 135–6, 162–66, 193–4;
 workshop 165–9
 solar water disinfection 186
 staff, field 1–2, 82–3
 stakeholders 15
 storage tanks 184–5, 186, 189
 support, financial 73, 85–90, 124–6
 surveys: business 209–10, 212–13; end of
 project 120
 sustainability 12–13

 takeover, by community 103, 108
 teambuilding 96–101
 technical support 124, 125–6
 theory of change 60, 66
 timeline *see* historical timeline
 timescale of projects 12–13
 training, vocational 210–11, 213

 UN Brundtland Commission 12
 UN Millennium Development Goals 1

 verification: of effectiveness 66–9; of needs
 assessment 140; *see also* indicators
 vetiver grass strip 178, 179, 183
 vocational training 210, 213
 voting tokens 16, 17, 140, 141
 vulnerability assessment *see* Participatory
 Capacity and Vulnerability Assessment

 warning systems 206
 water 59, 61, 95, 136; management 177–83,
 193–4; *see also* rainwater harvesting
 water filters 185, 186
 watering seeds 155, 160
 water purification 185, 190
 watershed 193–4
 Water Use Management Plan 192–4
 weather patterns 25
 websites, for activity ideas 61–2
 Wilson-Grau, R. 81
 women 14, 137, 139
 workshops, preparation 136–8

 zāi planting pits 179