CONTENTS

Sergio Boncinelli
Federico Gelli
Preface.............................................................................................................................................. ix

Introduction

David Alexander
"From Rubble to Monument” Revisited:
Modernised Perspectives on Recovery From Disaster ................................................................. xiii

Part 1: Multi-Disciplinary Planning Framework

Italian Approaches to Reconstruction

Roberto Bologna
Strategic planning of emergency areas for transitional settlement......................................................... 3

Rosario Giuffrè and Ernesto Maria Giuffrè
A matter of knowledge and recognition:
the emergency as a programmatic process ......................................................................................... 15

Corrado Trombetta
"The anticipated process": process innovative hypothesis for
sustainable management of the second emergency.................................................................................. 21

Antonio Pizzonia
Geo-environmental indicators in
post-disaster reconstruction programmes ......................................................................................... 31

Project Management for Reconstruction

Kelvin Zuo, Suzanne Wilkinson, Jason Le Masurier and Jetske Van der Zon
Reconstruction procurement systems:
the 2005 Matata flood reconstruction experience............................................................................... 39

Linda Kestle, Regan Potangaroa and Bryan Storey
Sustainable post-disaster reconstruction projects in remote locations,
and the fit with a conceptual design management model for remote sites ........................................... 47

S.K. Makhanu, G.W. Waswa and G.W. Masinde
Model post-disaster reconstruction in Third World countries:
the case of the El Niño emergency project, Kenya.................................................................................. 59

Fabio Taucer
Seismic assessment of popular housing financed by the European Commission
following the El Salvador earthquakes of 2001..................................................................................... 71
Temporary Settlements and Emergency Building

Sylvia Belforte and Davide Fassi
Harmonisation of procedures and post-disaster settlement proposal in Piedmont.......................... 81

Giovanni Casadei and Roberto Bologna
Post-disaster medical emergency: project for the realisation of an advanced medical station ......................................................... 91

Marcella Anzalone
Guideline process for the selection of emergency settlement systems......................................................... 101

Frameworks for Disaster Management and Reconstruction

John Labadie
The unexplored nexus: environmental management and emergency management in post-disaster reconstruction ......................................................... 109

James O.B. Rotimi, Jason Le Masurier and Suzanne Wilkinson
The regulatory framework for effective post-disaster reconstruction in New Zealand ......................................................... 119

Lee Bosher, Andrew Dainty, Patricia Carrillo, Jacqueline Glass and Andrew Price
The construction industry and emergency management: towards an integrated strategic framework ......................................................... 127

Alpaslan Ozerdem
State-civil society relationship in disaster management......................................................... 139

Susan G. Broadbent and D. Michael Broadbent
Rethinking future UK support to post-disaster reconstructions: meeting stakeholder interests......................................................... 151

Part 2: Sustainable Multi-Disciplinary Planning Frameworks

Planning Processes for Post-Disaster Housing

Berna Baradan
Analysis of the post-disaster reconstruction process following Turkish earthquakes, 1999 ......................................................... 165

Nese Dikmen
Relocation or rebuilding in the same area: an important factor in decision making for post-disaster housing projects......................................................... 177

Evren Burak Enginoz
A model for post-disaster reconstruction: a case study in Dinar, Turkey......................................................... 187

Sevgul Limoncu and Banu Celebioglu
Post-disaster sustainable housing systems in Turkey......................................................... 199

Colin H. Davidson and Cassidy Johnson
The dilemma of well-meaning help that costs too much......................................................... 209
Participatory Methods in Reconstruction

Ali Tolga Özden
Developing a model for community involvement in post-disaster housing programs ................................................................. 215

Alicia Sliwinski
Social dynamics in participatory reconstruction: an anthropological analysis from El Salvador ........................................... 225

Hakan Arslan and Alper Unlu
The evaluation of community participation in housing reconstruction projects after the Duzce earthquake .................................................. 235

Local Economic Regeneration and Capacity Building

A. Jayantha and R. Gunasekera
Building capacity for sustainable and participatory post-tsunami rebuilding ................................................................. 245

Melissa Harvey
Cultivating resilience: the rehabilitation of homestead gardens in post-tsunami Sri Lanka .................................................. 257

Neelam Raina
Economic regeneration in areas of violent long term conflict: the case of Kashmir .................................................. 267

Sibilike Makhanu
Resource mobilization for reconstruction and development projects in developing countries: the case of Kenya .................................................. 277

Approaches to Housing Reconstruction

Esra Bekta
A post-disaster dilemma: temporary settlements in Düzce city, Turkey ................................................................. 289

Cristina Olga Gociman and Elena Dinu
The definition of urban habitat as a safety tool against global risk ................................................................. 303

Cassidy Johnson, Gonzalo Lizarralde and Colin Davidson
Teaching student architects about reconstruction: a systems approach ................................................................. 317

Muzaffer Baca and Ömer Faruk Görçün
Post-disaster reconstruction in rural and urban areas of Turkey ................................................................. 325

S.H.R. Eslimy-Isfahany and Georg Pegels
Seismic-proof housing: reconstruction in rural areas ................................................................. 335

Part 3: Modern and Traditional Methods of Reconstruction

Building and Protection Technologies for Emergencies

Marco Imperadori
“L’Armadillo”: a new low-cost ready-to-build house system ................................................................. 345

Maria Rita Grasso
Reversibility for sustainability in emergency interventions ........................................... 355
S. K. Makhanu and G.W. Waswa

BIOSAN latrine for refugee camps .................................................................................. 365

Learning from Local Building Practices

Indigenous construction technologies in flood-prone areas of Western Kenya .................. 375

Banu Celebioglu and Sevgul Limoncu
Strengthening of historic buildings in post-disaster cases ............................................ 383

Gonzalo Lizarralde and Colin Davidson
Learning from the poor .................................................................................................... 393

South Asian Post-Tsunami Reconstruction

Regan Potangaroa
Gimme shelter: tsunami mitigation as part of a permanent shelter program for Aceh, North Sumatra ................................................................. 405

Carol Toms and Heather MacLeod
Protecting children in post-disaster planning ............................................................... 413

Samantha T. L. Rex
Transforming organisations: from development organisation to disaster response programme, a case study in capacity building ............................................ 423

Regan Potangaroa
Measuring the qualitative aspects of a reconstruction programme: Aceh, Indonesia 431

Bam, Iran Earthquake Reconstruction

Ali Asgary, Ali Badri, Mojtaba Rafieian and Ali Hajinejad
Lost and used post disaster development opportunities in the Bam earthquake and the role of stakeholders ................................................................. 441

Mehran Gharaati
An overview of the reconstruction programme after earthquake in Bam, Iran ................. 453