Record Nr. UNINA9910818336703321 Learning from megadisasters: lessons from the Great East Japan **Titolo** Earthquake / / Federica Ranghieri and Mikio Ishiwatari, editors Pubbl/distr/stampa Washington, DC:,: World Bank,, [2014] 2014 **ISBN** 1-4648-0154-1 1 online resource (xxiii, 363 pages): color illustrations, color maps:: Descrizione fisica 28 cm Disciplina 363.348 Soggetti **Emergency management** Risk management Natural disasters Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Description based upon print version of record. Note generali Nota di bibliografia Includes bibliographical references at the end of each chapters and index. Cover; Contents; Forewords; Acknowledgments; Abbreviations; Nota di contenuto Overview: Lessons from the Great East Japan Earthquake; MAPS; Map 0.1 The tsunami struck a wide area of Japan; TABLES; Table 0.1 The Great East Japan Earthquake of 2011 in figures; FIGURES; Figure 0.1 Summary of findings and lessons learned from the project; Figure 0.2 The many roles of the community in multihazard DRM; Figure 0.3 Dikes in Sendai before and after the tsunami of March 11, 2011; Figure 0.4 Otsuchi's mayor was in front of town hall when the tsunami struck; Figure 0.5 Broadcasting at RINGO Radio Map 0.2 Actual inundation areas were much larger than predicted Figure 0.6 Community rehabilitation facilitator; PART I: STRUCTURAL MEASURES; Chapter 1: Structural Measures Against Tsunamis; BOXES: Box 1.1 The enormous tsunami walls of Taro, Miyako City, Iwate Prefecture; Figure 1.1 Inundation area in Fudai Village, Iwate; Figure 1.2 No tsunami inundation in Hirono Town, Iwate; Map 1.1 Determining dike height; Figure 1.3 Effectiveness of the Kamaishi tsunami breakwater; Figure 1.4 Countermeasures against level 1 and level 2 tsunamis: Figure 1.5 Structure of a highly resilient breakwater

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Chapter 4: Multifunctional Infrastructure

Sommario/riassunto

While not all natural disasters can be avoided, their impact on a population can be mitigated through effective planning and preparedness. These are the lessons to be learned from Japan's own mega-disaster: the Great East Japan Earthquake of 2011, the first disaster ever recorded that included an earthquake, a tsunami, a nuclear power plant accident, a power supply failure, and a large-scale disruption of supply chains. It is a sad fact that poor communities are often hardest hit and take the longest to recover from disaster. Disaster risk management (DRM) should therefore be taken into account