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Nota di contenuto	Front matter -- Table of Contents -- Foreword -- Preface -- How to Read the Case Studies -- Introduction: Are We Out of Water? -- Water, Technology, and Society: A Historical Overview -- Introduction: Beyond Low-Flush Toilets -- Technical Optimism as an Antidote to Water Scarcity: Desalination Systems in Israel, Australia, and Spain -- A New Model for Water Technology Dissemination: Reaching 20 Million People by 2020 with Better Water and Sanitation -- Kanchan Arsenic Filter -- Liquid Wrap -- Vena Water Condenser -- Isla Urbana -- Down to Earth -- Introduction: Water Equals Food -- Bridging The Gap Between Available Water and Water Demand: Water Technologies for Agricultural Production in Israel -- The African Market Garden: Introduction of Drip Irrigation to the Sudano Sahel Region -- The Role of Design in Hydrological Modeling of River Basins: The Drâa Oasis Valley -- A Model for Integrated Agrarian Urbanism: Water Management in the Jordan River Basin -- Wastewater Treatment and Reclamation in Israel -- Introduction: Urban Aquatic Ecosystems -- Micro-Urban Communities and Water-Made Landscapes: Critical Refugia, Technologies, and Coexistence in the Arid Lands -- Water-Conserving Design Solutions: Contributions of Water Budget Analysis in Arid and Semi-Arid Regions -- Hiriya Landfill Recycling Park -- Taragalte Ecolodge -- Wadi Hanifah Restoration Project -- Wadi Hanifah Bio-Remediation Facility -- Bibliography and References -- Illustration

Sommario/riassunto

Water scarcity is becoming increasingly familiar to us. Although access to water resources is an issue of global concern, arid climates are where necessity begets inventions that may serve as examples for action or prevention across a multitude of climate zones and geographies. In facing the prevalence of water scarcity across the globe, due to a mix of climatological and man-made factors, the question we must ask ourselves today is Water for What? Which approaches can landscape, urban and architectural designers take in order to apply their specific professional skills and means? What potential do available technologies and materials offer, and what methods and tools can be derived from social engagement? Based on five years of research, the preparation of and feedback on a traveling exhibition, as well as a major conference, the results of the Out of Water project are laid out here in a series of case studies and essays by international experts, including analytical drawings of both projected and implemented solutions.

Zunehmend sind wir damit konfrontiert, dass Wasser ein sehr knappes Gut ist, insbesondere in Gebieten mit trockenem Klima. Der Mangel an Wasser verlangt nach präventiven oder kompensatorischen Lösungen, die Vorbildcharakter haben können. Wasser wofür? Dies muss die Leitfrage sein, um auf die Folgen von Klimawandel und menschlicher Intervention zu reagieren. Mit welchen Strategien können die besonderen Kompetenzen von Landschaftsarchitektur, Urbanismus und Architektur für diese komplexen Probleme aktiviert werden? Welche Technologien und Materialien stehen zur Verfügung? Welche Methoden und Werkzeuge können eingesetzt werden? Welche Rolle kann soziales Engagement spielen? In der Folge mehrjähriger Forschungen, einer wandernden Ausstellung und einer internationalen Konferenz werden die Probleme und vielseitigen Lösungen hier von Experten aus den relevanten Disziplinen dargestellt. Die Dokumentation der Entwurfslösungen und die Visualisierungen der Analysen erfolgen mit eigens für dieses Buch angefertigten Zeichnungen.
