

# Contents

<b>Greeting</b>	5
Wolfgang Tiefensee, The Federal Minister of Transport, Building and Urban Affairs	4
Roland Appl, President International Green Roof Association (IGRA)	5
Reimer Meier, President German Roof Gardener Association (DDV)	6
<b>Past – Present – Future: Green Roof Techniques in Changing Times</b>	7
Roland Appl, President, International Green Roof Association (IGRA)	
<b>"The Green over the Grey" – Landscape-cum-Building Designs</b>	15
Emilio Ambasz, Emilio Ambasz and Associates Inc.	
<b>Ecological Design with Green Roofs</b>	19
Paul Kephart, rana creek Living Architecture	
<b>Sustainable Architecture in the 21<sup>st</sup> century – Green Roofs and Renewable Energy</b>	23
Rolf Disch, Green Buildings and Solar Building Design	
<b>Key Criteria for Creating Green Roof Guidelines</b>	27
Prof. Dipl.-Ing. Gilbert Lösken, Head of the FLL Green Roof Workgroup	
<b>Technical Solutions for Intensive Greenery – Life on Roofs</b>	33
Ralf Walker, Head of the Technical Department at ZinCo GmbH	
<b>Roof as a Living Space – Examples from Spain</b>	41
Andrés Martínez, Estudio de arquitectura	
<b>Mountain Dwellings (Copenhagen) – "Best Housing Project"</b>	45
Kai-Uwe Bergmann, Director, International Business Development, BIG – Bjarke Ingels Group	
<b>Fusionopolis, Singapore – A Green Roofer's Perspective</b>	47
Ho Wan Weng, Managing Director, ZinCo Singapore Pte Ltd	
<b>In-built Landscapes – Examples from Poland</b>	55
Dorota Rudawa, RS Architektura Krajobrazu	
<b>Green Roofs on the participants' pavilions in Zaragoza's International Exhibition 2008</b>	59
Carlos Ávila Calzada, Head of the Landscape Department EXPO Zaragoza 2008	
<b>Green Roofs as a Module of Urban Water Management</b>	63
Prof. Dr.-Ing. Stephan Roth-Kleyer, University of Applied Science Wiesbaden	
<b>FiftyTwoDegrees, Nijmegen</b>	73
Patrick Arends, Mecanoo architecten	
<b>New Providence Wharf (London) – Roof Gardens by the Thames</b>	75
Graham Wiseman, Managing Director, Skidmore, Owings & Merrill (SOM)	
<b>Energetic Aspects of Green Roofs</b>	79
Prof. Dr. Manfred Köhler, University of Applied Sciences Neubrandenburg, President WGRIN	
<b>"etrium" (Cologne) – Ecological Power from the Greened Roof</b>	87
Christian Welzel, EcoStream Germany GmbH	

<b>Planning Principles for Sealing Flat Green Roofs – Roof Technology</b>	91
Andreas Frank, Certified Expert for Flat Roofs and Waterproofing Membranes	
<b>Planning Criteria for Vegetation Techniques to be used in Extensive and Intensive Green Roofs</b>	99
Bernd W. Krupka, Landscape Architect and Urban Planner	
<b>Quality Criteria and Market-Orientated Production of Green Roof Plants</b>	105
Daniel Labhart, Nursery Labhart	
<b>Installation and Maintenance of Green Roofs – Field Experiences in Germany</b>	111
Jürgen Quindeau, Grün + Dach	
<b>Installation and Maintenance of Green Roofs – Field Experiences in the Netherlands</b>	119
Sijbrand Noome, Van der Tool b.v.	
<b>Green Roof Incentives in Germany – Proven Procedures and Current Trends</b>	123
Wolfgang Ansel, International Green Roof Association (IGRA)	
<b>Means of Promoting Green Roofs – Evaluation of Examples in Germany</b>	127
Prof. Dr.-Ing. Wolfgang Dickhaut, HafenCity University Hamburg	
<b>"Pilot Projects in Urban Ecology and the Landscaping of Buildings"</b>	131
Brigitte Reichmann, Senate Department for Urban Development Berlin	
<b>Climate Protection, Naturally – Green Roofs in Düsseldorf: Financial Support and Quantitative Analysis of Aerial Photographs</b>	141
Katja Holzmüller, Environmental Department Düsseldorf	
<b>Two Decades of Green Roof Policies in Stuttgart – a Field Report</b>	145
John Döveling, Garden, Parks, Forestry and Cemeteries Department Stuttgart	
<b>Integrated Rainwater Management with Green Roof – Building Site "Hohlgrabenäcker" in Stuttgart-Zuffenhausen</b>	149
Alfred Diem, diem.baker GbR	
<b>Incentives for Green Roofs in the Bavarian Capital of Munich through the use of Planning, Building and Environmental Law</b>	153
Werner Hasenstab, Green Planning Department Munich	
<b>"Instruments Promoting Roof Greening" Using the Example of the "Karlsruhe Model"</b>	157
Helmut Kern, Head of Department for Public Parks and Gardens Karlsruhe	
<b>Living roofs – Developing Green Roof Policies in the Greater London Area</b>	165
Dusty Gedge, Director Livingroofs.org	
<b>Successful Green Roof Policies in Linz since 1985</b>	169
Edmund Maurer, Urban Planning, Municipality of Linz	
<b>Development of Green Roofs in Copenhagen under the Auspices of Public Management</b>	173
Dorthe Rømø, Parks and Nature Department, City of Copenhagen	
<b>Ecoroof Policy, Code, and Incentives – Portland Experience</b>	177
Amy Chomowicz, Bureau of Environmental Services	