

Contents

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

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