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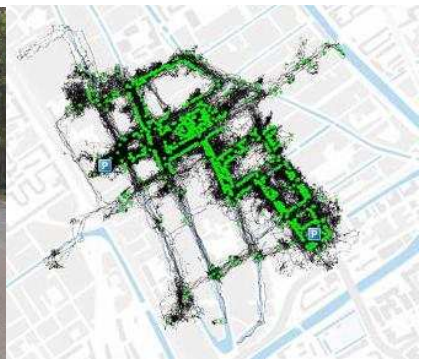
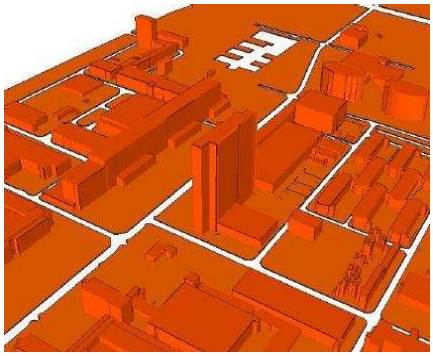

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Working Group IV/8 – 3D Spatial Data Integration for Disaster Management and Environmental Monitoring
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Introduction

Since 1971, the Urban Data Management Society (UDMS) has organised international symposia at various locations in Europe to promote the development of information systems at the local government level. At first, the focus of these symposia was mostly on urban applications, but regional and rural issues have both grown in importance over the years. Nowadays, an important aim of UDMS is to provide a forum for people to discuss new approaches, to consider new technologies, and to share practical experiences in the field of urban data management.

After 27 successful symposia, the 28th edition of UDMS was organised together with the ISPRS. The conference topics such as data collection and processing of data, modeling and data management, analysis and visualization for urban management and environmental monitoring are of interest for both societies and opens new interesting directions for cooperation. The UDMS2011 was held in Delft, The Netherlands, in September 2011. This is a city and a country that many of the organizers of UDMS have called “home” for years. This year is also special for UDMS since it celebrates its 40th anniversary, which is certainly an experience not to be found elsewhere and a valuable basis on which to form planning for the future. Consequently the theme of UDMS 2011 was “Making contributions to the future”.

This proceedings contains 24 papers that were presented at UDMS 2011; each of these papers has been peer-reviewed by at least 2 members of the Programme Committee. The topics covered in this book represent the current trends in urban and regional data management:

- 3D modelling and applications;
- Data management for local governments;
- Environmental monitoring and assessment;
- Remote sensing for urban applications;
- Data and generalization;
- Dynamic municipal systems.

This proceedings is intended and suitable for different readers, for instance city planners, academics, students, policy makers who are involved public administration and urban planning. We would like to thank the reviewers part of our the Scientific Committee for their time and critical remarks, which helped us select the papers with the best quality.

We would finally like to thank the authors of the submitted papers. Without their effort and contribution to the symposium it would not have been possible to achieve such a high-quality program for UDMS 2011.

Elfriede Fendel
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Massimo Rumor
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