

GIS *for the* URBAN ENVIRONMENT

GIS for the Urban Environment focuses on the use of GIS in urban planning and problem solving, and is aimed particularly at large cities and metropolitan areas. It will be of interest to all students and practitioners who are interested in learning more about how they might apply GIS to their daily practices, be they in urban planning, public health, urban environmental monitoring, hazard and emergency management, geographical analysis, or community development. It will become an essential text to get started on what the authors call "the GIS adventure".

The book includes twelve chapters that introduce the elements and issues involved in using GIS, and it does so with a wide range of useful maps and other graphics. Each chapter provides readers with a carefully chosen set of further readings, along with written exercises, and in Part III, laboratory exercises. Students and practitioners will enjoy working through the individual chapters and exercises, and will find the twelve case studies of Part II to be particularly valuable. The exercises and case studies provide clear illustrations of GIS use across a wide range of contexts, providing readers with clear examples of actual applications dealing with important issues in contemporary cities. The authors have been able to link a rigorous presentation of GIS tools and approaches with a text that is accessible, clearly written, and interesting to read, and with exercises to help students and practitioners learn and develop their skills and applications.

Juliana Maantay is professor at Lehman College, City University of New York, where she teaches GIS and Environmental Geography, and also directs the GISc program. She was formerly an environmental analyst and environmental planner with the city of New York, and held senior planning positions in the private sector before that. She is a leading authority on community-based participatory GIS and environmental justice programs.

John Ziegler is the founder and president of Space Track Inc., a New York City GIS consulting company founded in 1989. Previously, he was the New York regional director of the Federal Insurance Administration (FIA) and deputy regional director of the Federal Emergency Management Agency (FEMA). From 1989 to 2001 he taught Urban Planning and GIS at New York University's Wagner Graduate School of Public Service as an adjunct Professor of Planning.

GIS *for the* URBAN ENVIRONMENT



GIS *for the* URBAN ENVIRONMENT



CD-ROM includes sample data

Juliana Maantay

John Ziegler

Juliana Maantay and John Ziegler

Foreword by John Pickles

