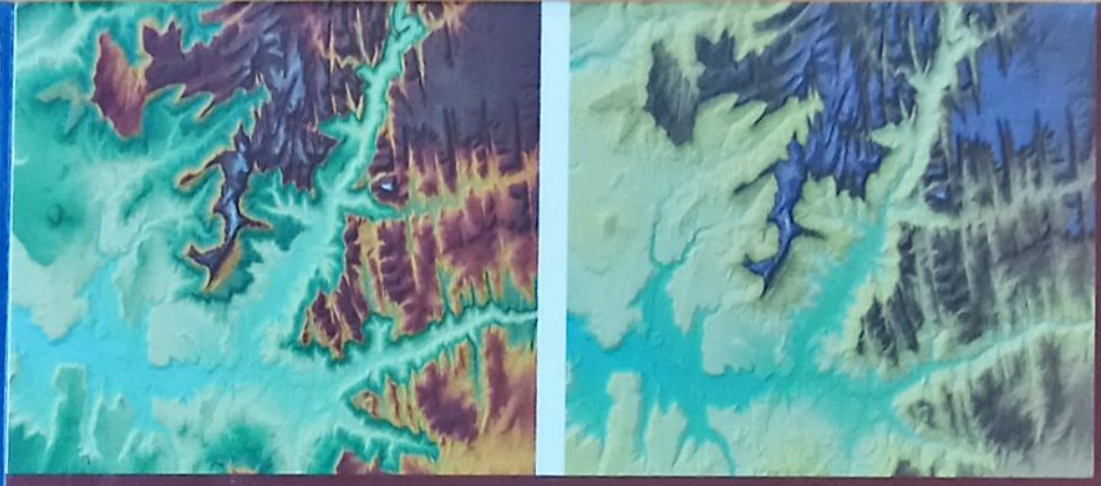

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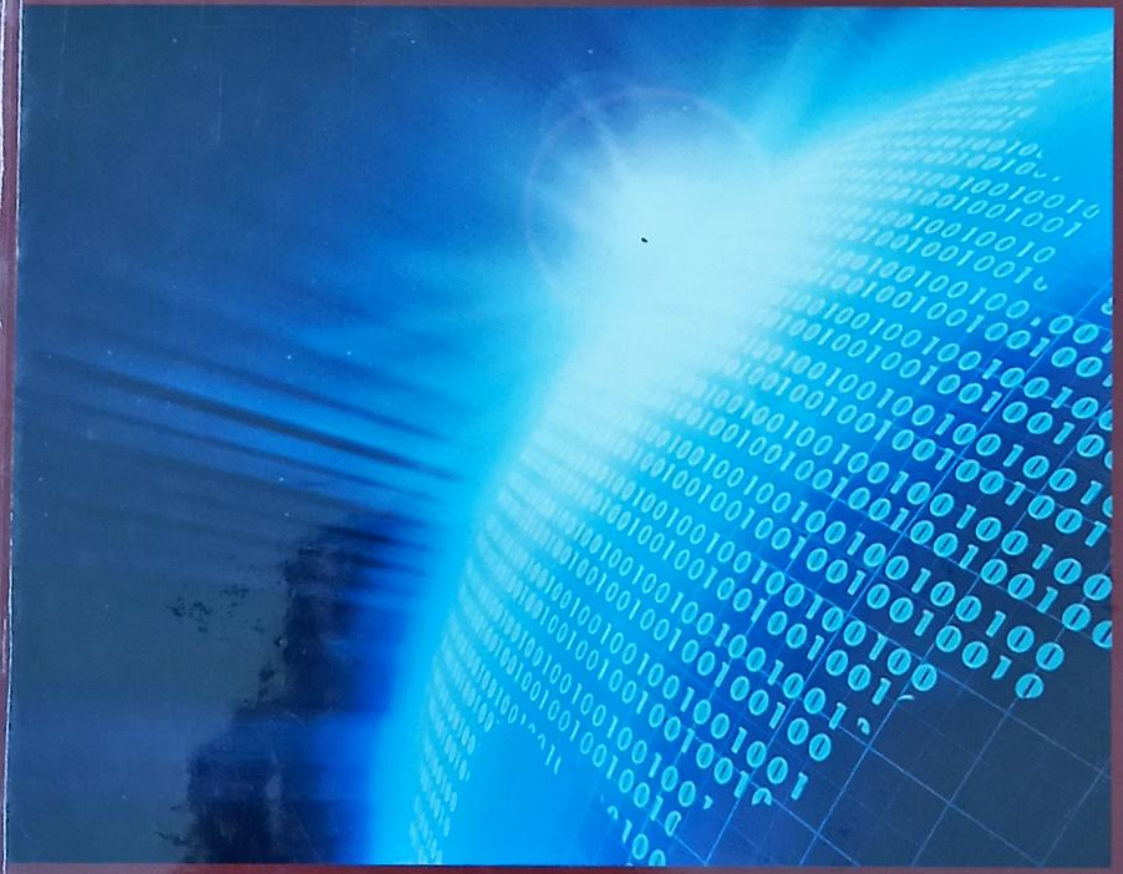

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Geographic Information Systems in Environment Management

The use of Geographic Information Systems in Environmental Management has seen unprecedented growth in the last ten years. While the expanding of GIS system memories, researchers can handle much larger geographic environment data. As more and more GIS application cases used in environmental – related research works, this technology has been developed and improved as well. Geographic information systems provide a great deal of information and analytical capacity for people's understanding of how human's activities impact on the environment. In this book, topics covered land use sustainability, natural resources management and planning, novel modelling methods for environment and geography, environmental management assessment tools and decision-making approaches. Research areas in this book included Europe, North America and East Asia.

Quan Cui obtained her PhD from Beijing Normal University in 2015. She worked as environmen-tal impact assessment engineer for years. Aiming at linking science to policy, her study interest spans from ecosystem modelling to water resources management. She published peer-reviewed articles about using machine learning models in inflow forecasting, CO2 management and watershed ecosystem health assessment.

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