

# Principles of Remote Sensing

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*Principles of Remote Sensing* is a textbook which introduces remote sensing as techniques for acquiring different types of positional and thematic information. The book aims to provide a balanced approach towards the traditional photogrammetric and remote sensing subjects: the three sensors, namely, aerial camera, multispectral scanner and radar, are dealt with more or less the same detail. Unlike other introductory textbooks which often focus on the techniques, *Principles of Remote Sensing* also introduces processes. In this sense it provides a frame to refer to when more detailed subjects are dealt with.

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## Glossary

**Appendix** SI units & prefixes

21cm x 30cm, 170 pages

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# Principles of Geographic Information Systems

Rolf A. de By, Martin C. Ellis, Yola Georgiadou, Wolfgang Kainz, Richard A. Knippers, Menno-Jan Kraak, Mostafa M. Radwan, Edmund J. Sides, Yuxian Sun, Michael J.C. Weir & Cees J. van Westen

This textbook introduces geographic information systems as a tool for spatial data handling. The principles behind it are presented one by one: the identification of relevant geographic phenomena, the options of representing them in a GIS, the associated advantages and disadvantages of operating on these representations, the preparation of spatial data sets, the spatio-analytic functionality that comes from with GIS, and the methods to visualize spatial data. Fundamental aspects such as spatial reference systems and spatial data quality are not left untouched. The book addresses all of these topics in a software-independent style. The textbook does not stand by itself, but was developed in synchrony with the textbook on *Principles of Remote Sensing*.

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**Appendix** Internet sites

## Glossary

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