

Gunter Schreier (Ed.)

SAR Geocoding: Data and Systems

Technische Hochschule Darmstadt
Lehrstuhl für Photogrammetrie
und Kartographie

Sign.-Nr. *P 1*

Inv.-Nr. *B 1482* ✓

 **WICHMANN**

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"This conclusion carries with it the need for data to be collected as quickly as possible; data to be collected in a manner that facilitates a better understanding of what the new information tells us about global change.

In other words, the Mission to Planet Earth is the Mission to the Planet Earth."

*Al Gore, Vice President of the United States
"Earth in the Balance",*

The ubiquitous threat to our global environment has led many disciplines to be concerned with Earth remote sensing. Remote sensing is one method, which can guarantee regional, continental and global parameters. The major need for the interdisciplinary approach is the intrinsic knowledge of the entire remote sensing on two questions:

- How correct is the parameter and how accurate is the measurement?
- Where exactly is the parameter located?

During the early days of remote sensing, something was visible, however noisy and imprecise. It was dedicated to the radiometric interpretation of the composition of the material on ground.

¹ for all authors-affiliations see page 417