



## Monitoring Land Subsidence Using Remote Sensing

Guest Editors:

**Dr. Massimo Fabris**

Department of Civil,  
Environmental and Architectural  
Engineering-ICEA, University of  
Padova, 35122 Padova, Italy

**Dr. Nicola Cenni**

Independent Researcher,  
Padova, Italy

**Dr. Simone Fiaschi**

UCD School of Earth Sciences,  
University College Dublin, Dublin,  
Ireland

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### Message from the Guest Editors

Land subsidence represents a growing problem that affects hundreds of millions of people worldwide. The loss of surface elevation can lead to structural damage of buildings and infrastructures, loss of extensive agricultural and/or natural areas, the rise of salt wedges and the regression of coastlines and can have a significant economic and social impact. This negative impact can be further aggravated by climate changes (e.g., sea level rise), in particular in low-lying coastal areas. Land subsidence is also one of the major factors controlling the geomorphological evolution of river basins and deltaic areas, which can host large population centres and extensive productive activities.

Ground deformations monitoring plays a key role in the management of such natural hazard by providing cost-effective solutions for risk mitigation. This Special Issue of *Remote Sensing* is devoted to all topics related to land subsidence monitoring using remote sensing techniques (in particular, but not limited, to InSAR) complemented with ground-based data (e.g., GNSS, precise levelling).





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Geological Survey (USGS), USGS  
Western Geographic Science  
Center (WGSC), 2255, N. Gemini  
Dr., Flagstaff, AZ 86001, USA

### **Prof. Dr. Dongdong Wang**

Institute of Remote Sensing and  
Geographic Information Systems,  
Peking University, Beijing, China

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*Remote Sensing* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

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