Observer from outer space Bw-604, 605

W.TAKEUCHI LAB.

[Monitoring global environment changes and International technology collaboration]



Department of Humans and Social Systems Remote Sensing of Environment and Disaster

Department of Civil Engineering, Faculty of Engineering

http://wtlab.iis.u-tokyo.ac.jp/

Developing methodologies of global-scale measurement on environmental changes by human activity



International technology collaboration with Asian countries



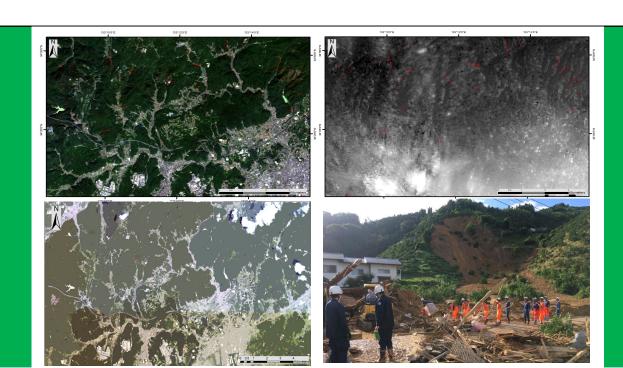


APRSAF





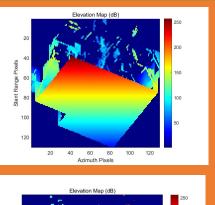


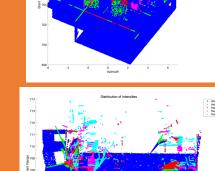


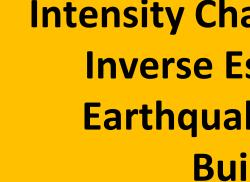
Semi-automated Landslide Delineation and Rainfall Thresholding using Remote Sensing Techniques



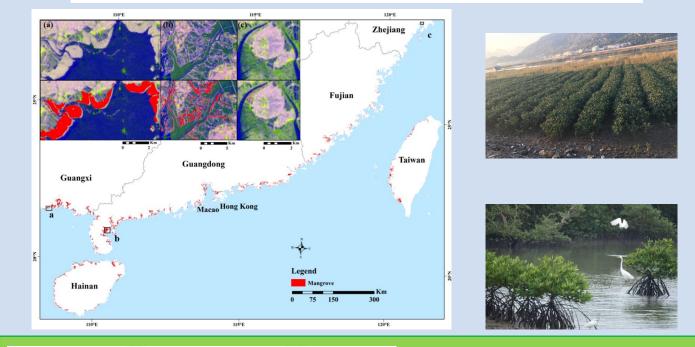
Asian Development Bank



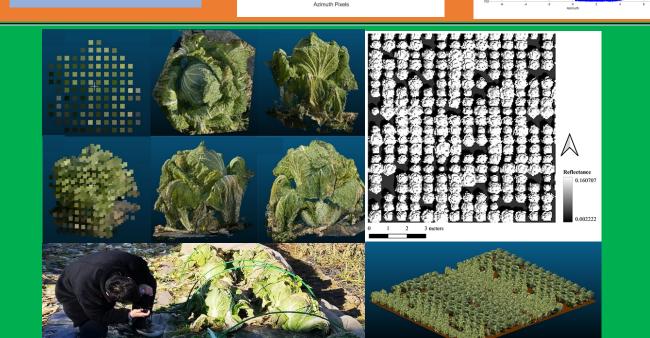




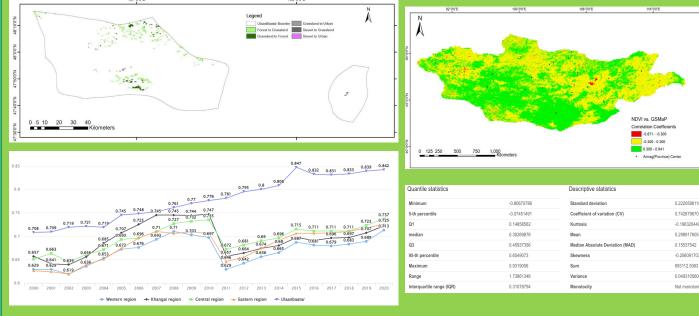
Analysis of SAR Backscatter Intensity Characteristics for Inverse Estimation of Earthquake-damaged Buildings



Dynamic assessment of sustainability in mangrove ecosystems over China through refining carbon footprint and biocapacity



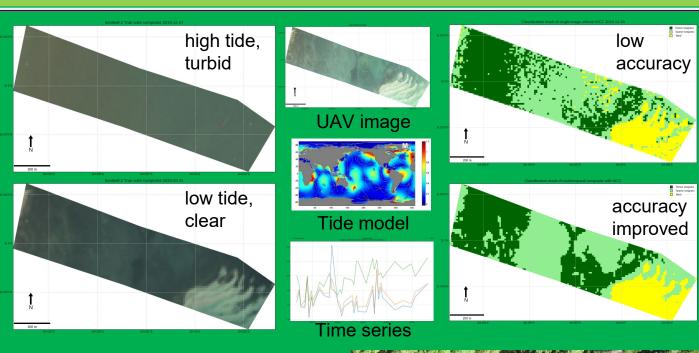
Reflectance Simulation of Virtual Chinese Cabbage Farm Using Voxel Model



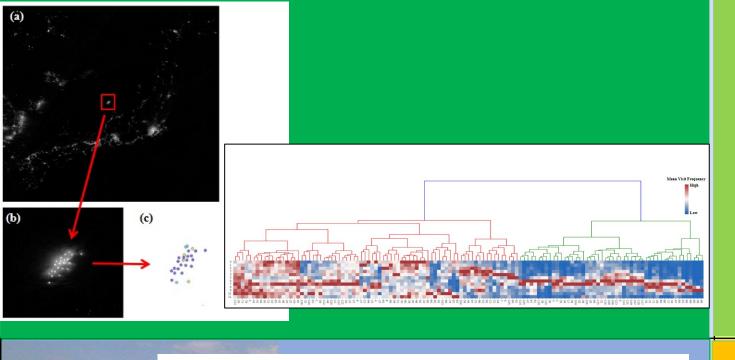
20 Years of migration to the **Capital: Impacts Analysis Concerning People's Welfare** and Sustainable Development in Mongolia



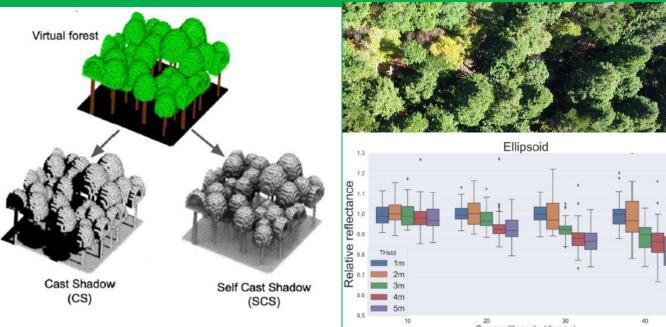
Risk assessment of rail infrastructure in India to support business continuity plan



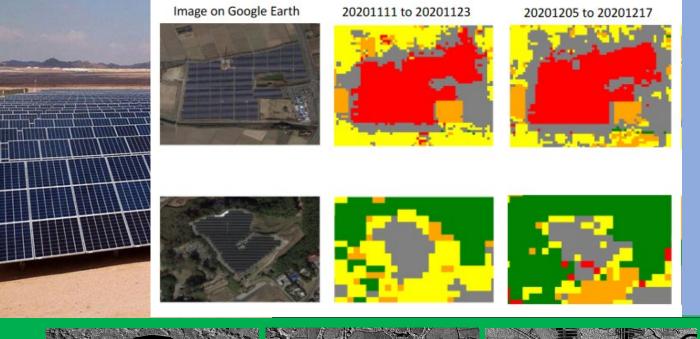
Mapping seagrass on turbid tidal flats using **Sentinel-2** multi-temporal composite



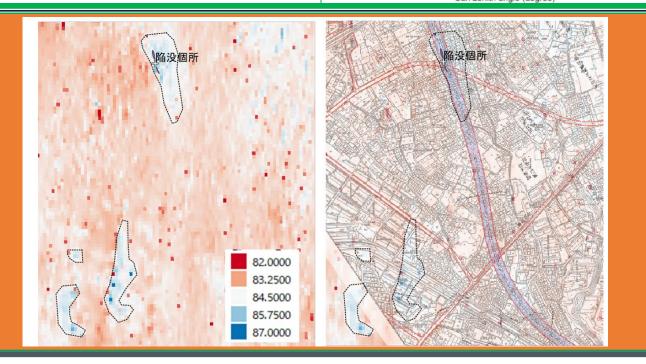
Prediction of potential nighttime fishing area by using nighttime light and species distribution model



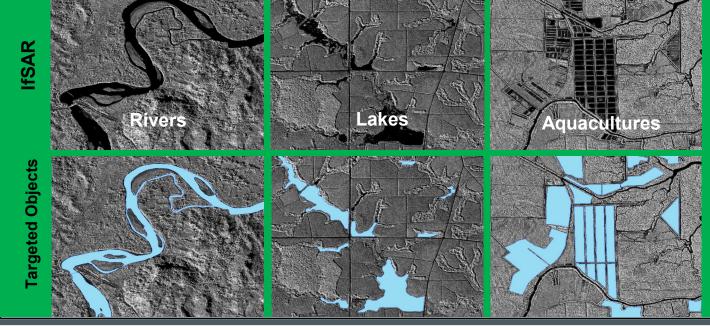
Development of a Voxel-Based Reflectance Simulator Considering Tree Shadows



Machine-learning based detection of solar photovoltaic panels in Japan with mediumresolution optical and SAR satellite images



Anomaly detection in infrastructure by InSAR analysis ~ Chofu City road sinking



Automated hydrographic layer extraction from Airborne IfSAR for digital large-scale base map provision