

W. TAKEUCHI LAB.

Monitoring global environment changes
and International technology collaboration

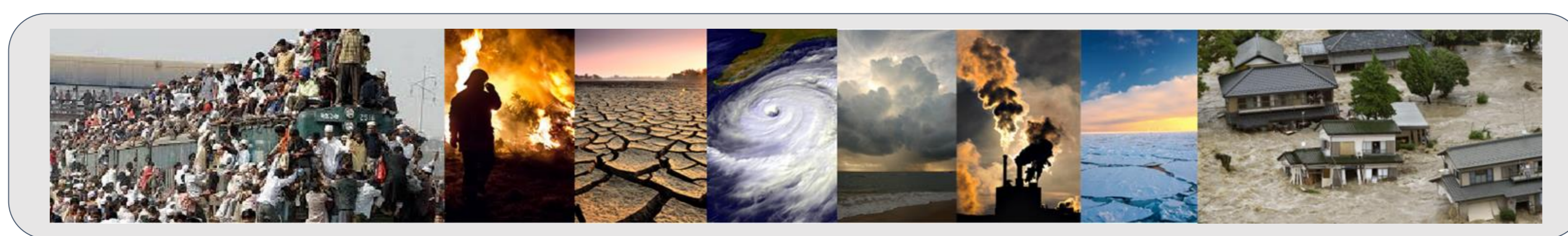


Department of Humans and Social Systems

Remote Sensing of Environment and Disaster
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Developing methodologies of global-scale measurement on environmental changes by human activity



International technology collaboration with Asian countries



<p>Continuous decrease of seagrass areas</p> <p>Seagrass extent and biomass continuous decrease due to coastal development</p>	<p>Investigation of seagrass biomass in Vietnam over 30 years</p>		<p>3D GROWTH MODELING OF CHINESE CABBAGE WITH SMARTPHONE-BASED CLOSE-RANGE PHOTOGRAMMETRY</p>
<p>Estimation of PV capacity</p> <p>Detection of PVs using ML models</p>	<p>Finding the best way of using solar power from remote sensing perspective for achieving green society</p>	<p>Nighttime Light Analysis urban redevelopment in Bangkok</p>	<p>Nighttime Light Analysis for Monitoring Urban Development</p>
<p>Input image</p> <p>Canals label</p> <p>Segmented canals</p> <p>Exploiting various deep learning models and backbones to improve canal segmentation in tropical peatlands</p>	<p>Human-induced carbon emission in tropical peatlands could be better characterized with precise canals distribution</p>		<p>Analysis of SAR backscatter intensity characteristics for inverse estimation of damaged buildings</p>
<p>Framework for collecting geospatial information related to BSR disease in Oil Palm plantations to gain insights into the spreading pattern and utilized as training data for deep learning models</p>	<p>Smartphone-based Data Collection and Visualization for Basal Stem Rot Disease in Oil Palm</p>	<p>Characteristics of logistics along the Southern Economic Corridor (SEC) of manufacturing companies in the Poi Pet, Phnom Penh and Bavet special economic zones</p>	<p>Risk Assessment on Logistics and Business Continuity Planning along the Southern Economic Corridor (SEC)</p>
<p>Point cloud of piers measured by UAV-LIDAR and 16 points for 3D model derived from the point cloud</p>	<p>Examination for a program to automatically create a model equivalent to LOD200 from a 3D point cloud of bridge piers.</p>	<p>Location of Mongolia, the Ger tent house and The Mongolian flag</p> <p>The Ger District of Ulaanbaatar</p> <p>Mongolian Population Change 1990-2020</p> <p>Assessment of environmental and socio-economic changes in Mongolia over the last 20 years</p>	<p>Assessment of environmental and socio-economic changes in Mongolia over the last 20 years</p>

