



W.TAKEUCHI LAB.

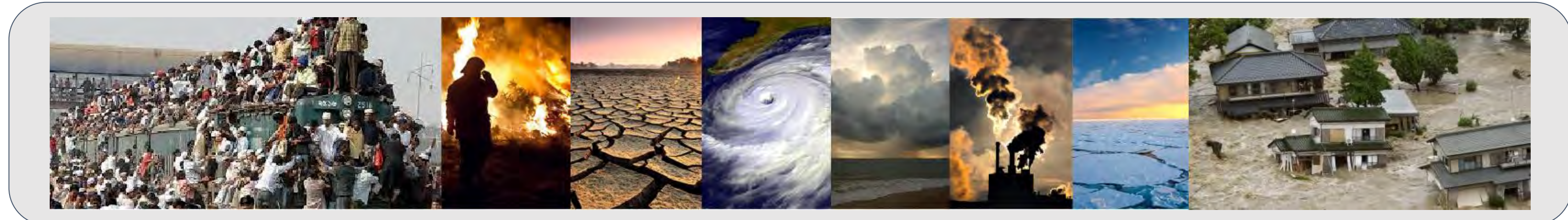
[Monitoring global environment changes and International technology collaboration]

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

Department of Applied Chemistry

<http://www.k-ishiilab.iis.u-tokyo.ac.jp>

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



International technology collaboration with Asian countries



<p>Crop Damage probability Dry</p>	<p>Biodiversity & Wild Elephant Management in Human-dominated Landscape</p>	<p>Development of Global Irrigation Water Requirement Based on Data Integration</p>	<p>Predicted Urban expansion in Yangon, Myanmar</p>	<p>Monitoring/ Modeling of urban expansion status</p>
<p>Change from 2003 to 2016</p>	<p>Irrigated-Rainfed Rice Area Mapping With Climatic Parameters Over Bangladesh</p>	<p>Spatial distribution of ABG biomass of mangrove</p>	<p>Monitoring Blue Carbon ecosystems (mangrove/seagrass/salt marsh) and environment</p>	<p>Infrastructure Health Monitoring Assessment of its economic impact on urban development</p>
<p>CO₂ Budget in Tropical Peatlands</p>	<p>CO₂ Budget in Tropical Peatlands</p>	<p>Effective solar PV power potential considering dust effects (L:DJF, R:JJA)</p>	<p>Assessment Of Solar PV Power Potential over Asia Pacific Region</p>	<p>3D Reconstruction from Images and LiDAR for Infrastructure Health Monitoring</p>
<p>Regional/global evaluation of GHGs emission from tropical rice paddies</p>	<p>Regional/global evaluation of GHGs emission from tropical rice paddies</p>	<p>Land Use data construction from old Topographical Map using Deep Learning</p>	<p>Land Use data construction from old Topographical Map using Deep Learning</p>	<p>Socio-economic development, Global Livability Index by Nighttime Light</p>
<p>Sustainable Palm Oil management</p>	<p>Sustainable Palm Oil management</p>	<p>Infrared Camera System based on Open Source Hardware</p>	<p>Infrared Camera System based on Open Source Hardware</p>	<p>Air pollution mapping and personal exposure assessment by portable devices for urban area</p>
<p>Detection of forest fire by Himawari-8 imager with high temporal resolution</p>	<p>Detection of forest fire by Himawari-8 imager with high temporal resolution</p>	<p>Time-Series InSAR, GPS analysis for Land Subsidence Detection & Monitoring active volcano, Indonesia</p>	<p>Time-Series InSAR, GPS analysis for Land Subsidence Detection & Monitoring active volcano, Indonesia</p>	<p>GDP growth cause pollution Impact of socio-economic development on urban air quality in India</p>

