Satellite data use cases to support sustainable development



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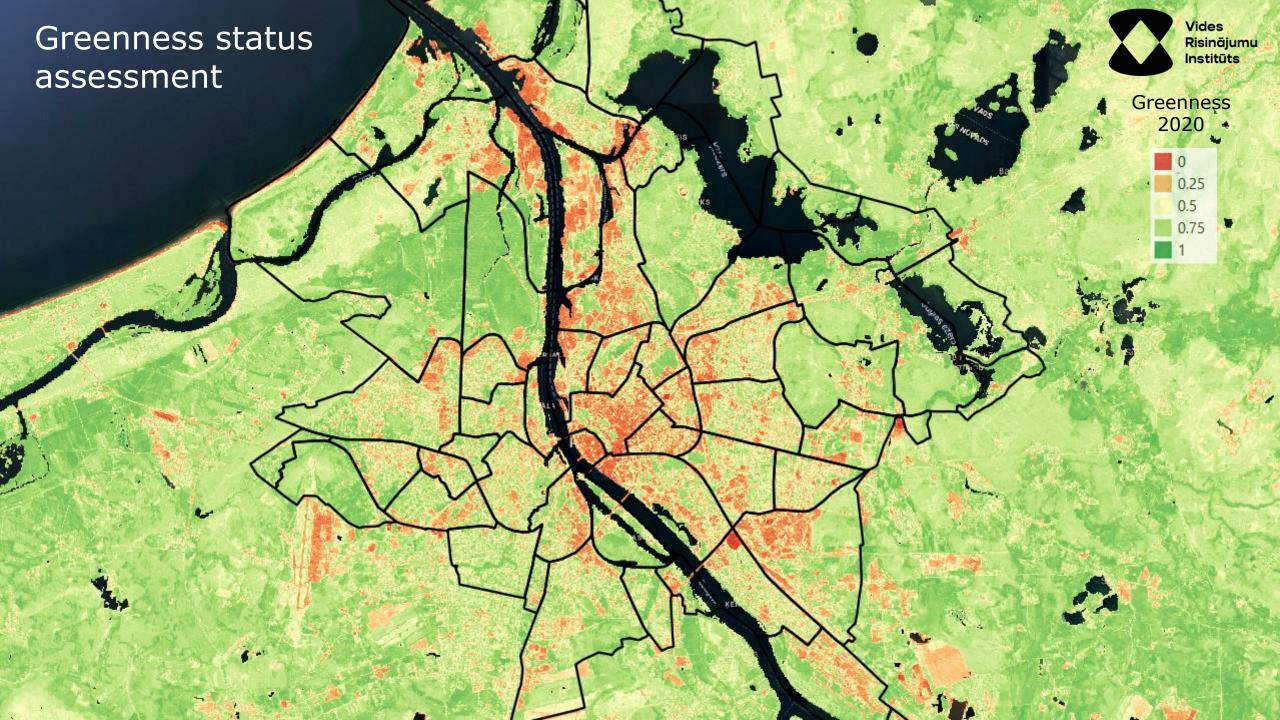
Institute for Environmental Solutions - overview

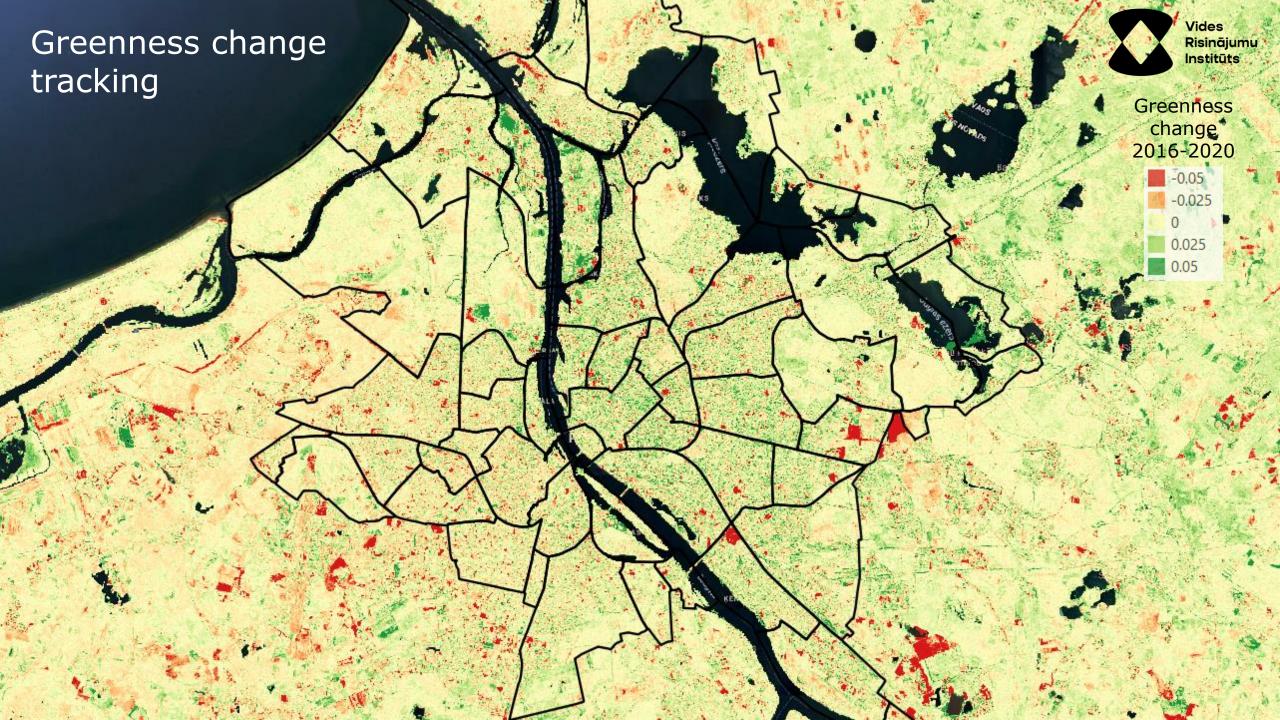
Institute for Environmental Solutions

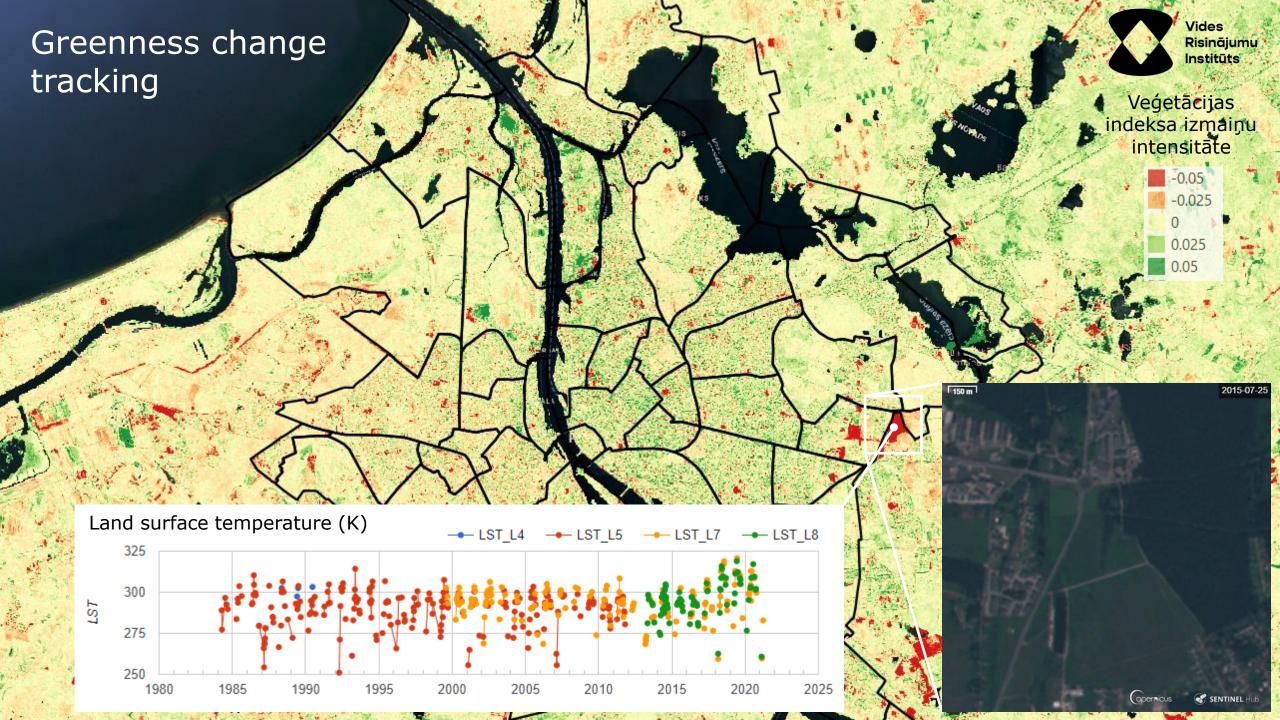
Agricultural test fields

- Privately established research and innovation institution
- Multi-disciplinary team where scientists meet practitioners (organic farming, sustainable forestry, natural resource monitoring)
- Earth Observation / Remote Sensing are key focus techniques for the development of data-based environmental solutions
- Working in close collaboration with potential end-users and practising rapid prototyping



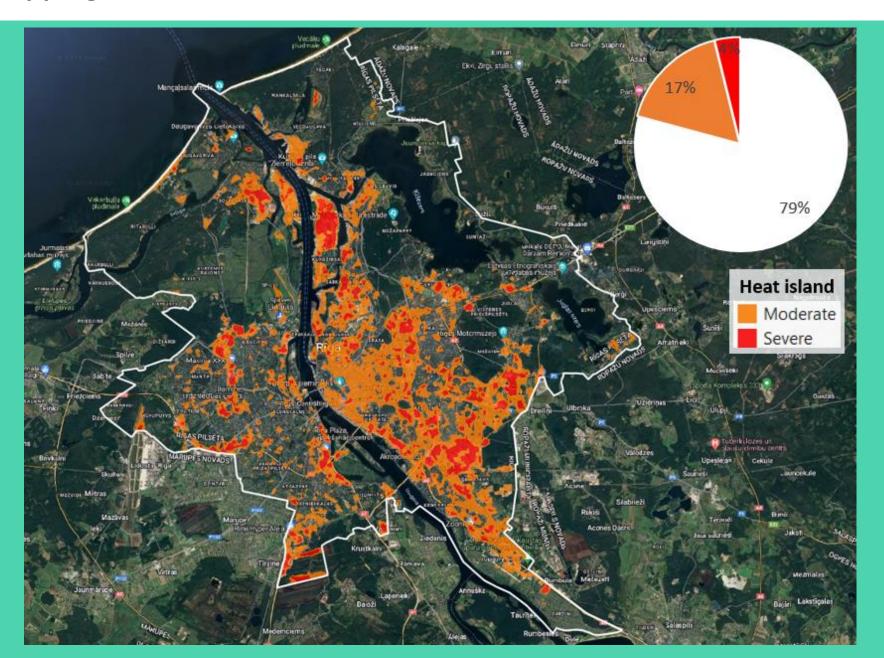






Heat island mapping from satellite data



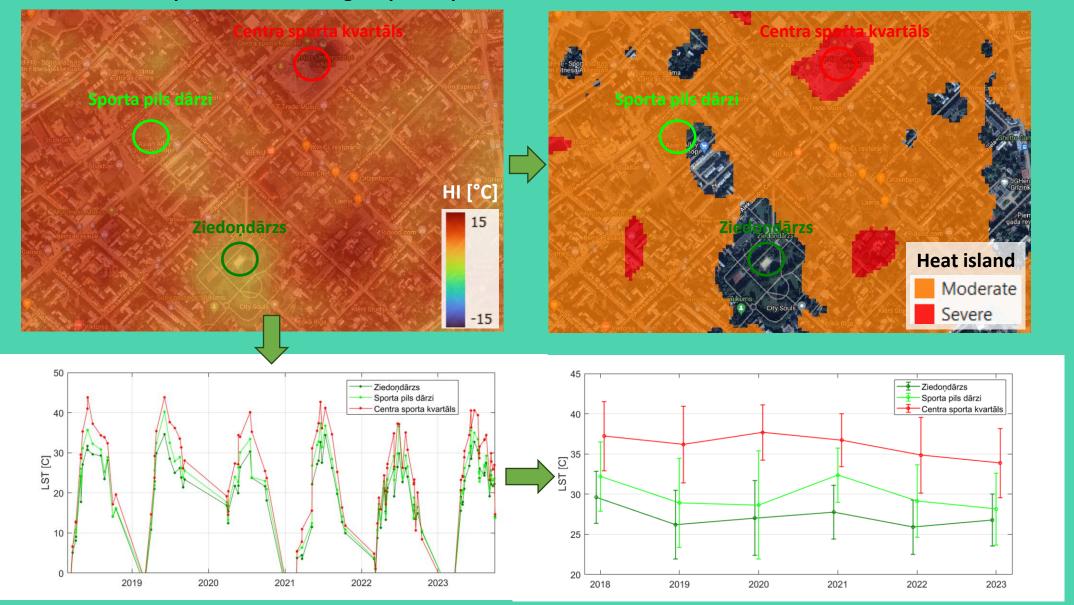




Heat island mapping from satellite data



Land surface temperature monitoring in specific points of interest



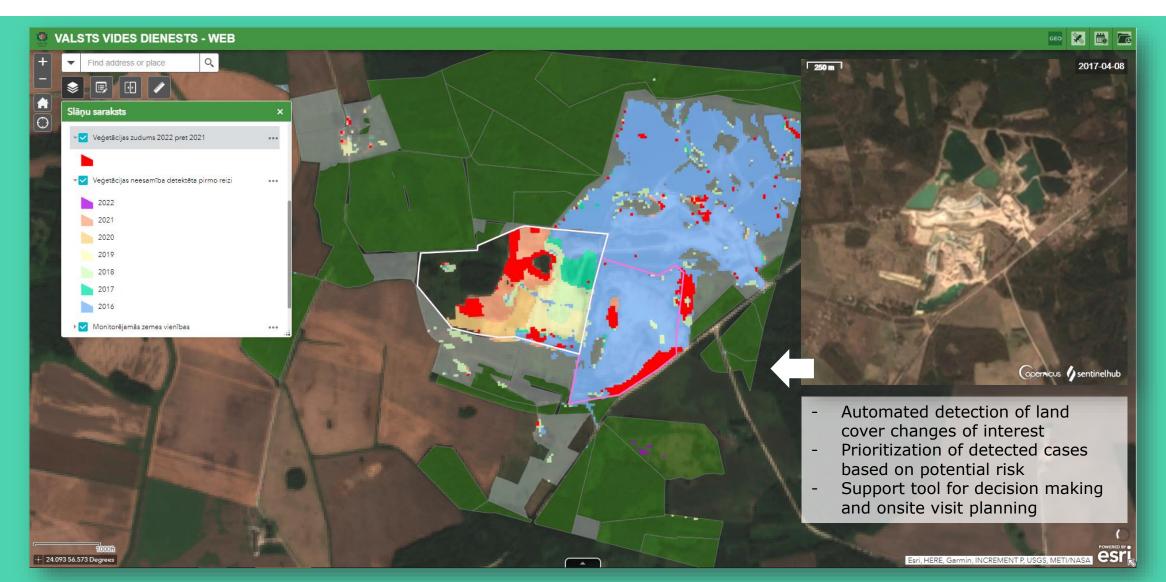


SentiCheck









Remote monitoring of construction activities combining Sentinel and VHR satellite data



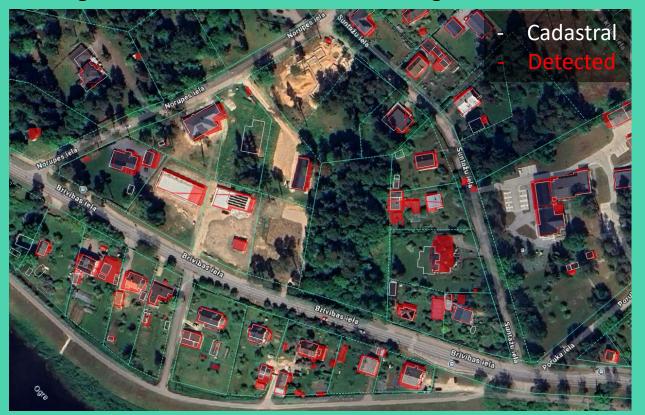


Control Bureau of Latvia





Building detection from VHR remote sensing data



Land cover change tracking from Sentinel satellite data

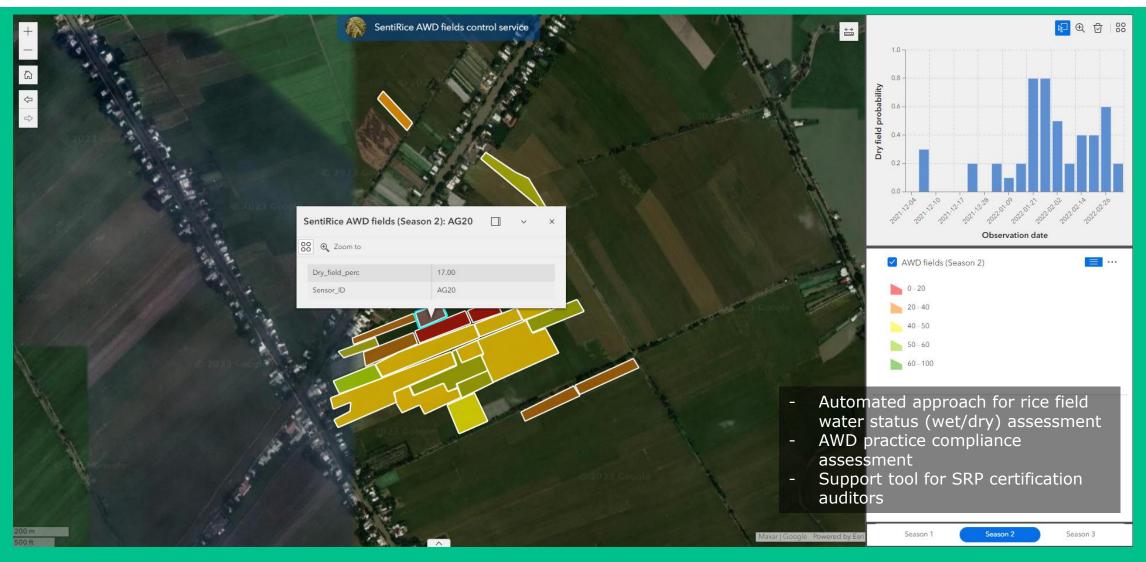


SentiRice

Support tool for sustainability certification of rice fields







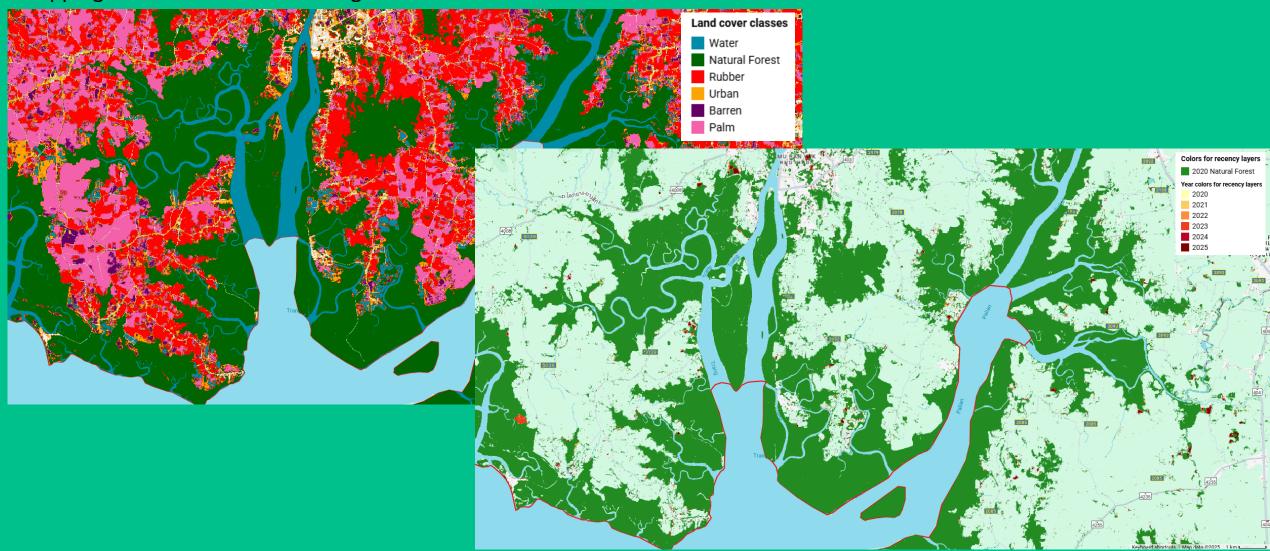
Monitoring of rice fields in the Mekong Delta (Vietnam)

SatTrace

Assessment of Deforestation Risk Associated with Rubber Production from Sentinel Satellite Data











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