

Project ID and subject	Project description - scope of services/products provided	Start date	End date	Survey area km2	Contract value excl. Vat EUR	Contracting authority - contact person
221030_RzeszówLM Digital database of the commune areas of the city of Rzeszów development and dendrological inventory	<p>The subject of the contract: the inventory of the state of natural resources and identification of environmental problems in the city of Rzeszow. The inventory included crowns and trunks of trees, elements of cover, land use and landforms, aspects of vegetation, anthropogenic areas and temperature of the city. The inventory will be carried out using remote sensing techniques and field work and the results will be developed in the form of a digital GIS database and a map service in the form of a web system and spatial analysis application.</p> <p>1. Acquisition of aerial data  - aerial laser scanning data - minimum density of the resulting point cloud for 90% of the scan area (excluding surface water areas): 15 pts/m2, development of products: classified point cloud, NMT, NMPT, CHM  - hyperspectral data - imaging spectral range: 400-2500 nm, development of hyperspectral mosaic with a resolution of 1 m  - RGB imaging data - spatial resolution: not worse than 0.1 m, development of RGB orthophoto</p> <p>2 Analyses to provide information on specific thematic issues.  - Map of tree species developed on the basis of hyperspectral and airborne laser scanning data and botanical field measurements - 39 taxa + 2 classes (other and dead)  - Map of tree condition developed on the basis of hyperspectral and airborne laser scanning data and field botanical measurements - 5 classes of the degree of condition (1-very good, 5-critical)</p> <p>3. Development of the application and feeding it with data obtained from the completed inventory.  - Development of a web application of the geoportal type presenting the products of the project (photogrammetric: ALS, orthophotomap and analytical)</p>	04.10.2022	30.11.2023	129	737 065,68	Rzeszów City(Gmina Miasta Rzeszów), Rynek 1, Rzeszów, Poland Contact person: [REDACTED]
220910_Jaslo Inventory of urban greenery in the city of Jaslo	<p>The subject of the contract: the execution of "Inventory of urban greenery in the city of Jaslo". The inventory included trees in the city (crowns and tree trunks). The inventory were performed using remote sensing techniques and field work. The results of the inventory were compiled and presented in the form of a digital GIS database and map service.</p> <p>Phase 1: the subject was the acquisition of source data, including: the execution of raids to acquire up-to-date aerial remote sensing data, the processing of the acquired remote sensing data into photogrammetric products.  - airborne laser scanning data - minimum density of the resulting point cloud for 90% of the scan area (excluding surface water areas): 15 pts/m2, development of products: classified point cloud, NMT, NMPT, CHM  - hyperspectral data - imaging spectral range: 400-2500 nm, development of hyperspectral mosaic with a resolution of 1 m (we acquired and finally made 0.5 m)  - RGB imaging data - spatial resolution: no worse than 0.1 m, development of RGB orthophotos</p> <p>Stage 2: t analyses to provide information on specific thematic issues. The source material necessary to perform the analyses, depending on the thematic scope, were remote sensing data, field data, spatial information from the resources of the city of Jaslo. The result of the analyses: a resource of spatial information in the form of vector and raster GIS data.  - Map of tree species developed on the basis of hyperspectral and airborne laser scanning data and botanical field measurements - 33 taxons+ 2 classes (other and dead)  - map of tree condition developed on the basis of hyperspectral and airborne laser scanning data and field botanical measurements - 5 classes of the degree of condition (1-very good, 5-critical)</p> <p>Stage 3: the development of a geoportal-type web application and feeding it with the data developed under the contract (stages 1 and 2).  - Development of a web application of the geoportal type presenting the products of the project (photogrammetric: ALS, orthophotomap and analytical)</p>	29.08.2022	29.06.2023	36,52	127 522,73	Jaslo City (Miasto Jaslo), 38-200 Jaslo, Rynek 12, Poland Contact person: [REDACTED]

<p>220900_Zlotów Inventory of urban greenery in the city of Zlotów</p>	<p>Scope of the subject of the contract: 1. acquisition of source data. - airborne laser scanning data - minimum density of the resulting point cloud for 90% of the scan area (excluding surface water areas): 15 pts/m<sup>2</sup>, development of products: classified point cloud, NMT, NMPT, CHM - hyperspectral data - imaging spectral range: 400-2500 nm, development of hyperspectral mosaic with a resolution of 1 m (we acquired and eventually made 0.5 m) - RGB imaging data - spatial resolution: no worse than 0.1 m, development of RGB orthophotos</p> <p>2 Conduct analysis to provide information on specific thematic issues.</p> <p>- Map of tree species developed on the basis of hyperspectral and airborne laser scanning data and botanical field measurements - 39 taxa + 2 classes (other and dead) - Map of tree condition developed on the basis of hyperspectral and airborne laser scanning data and field botanical measurements - 5 classes of the degree of condition (1-very good, 5-critical)</p> <p>3. development of the application and feeding it with data obtained from the inventory. - Development of a web application of the geoportal type presenting the products of the project (photogrammetric: ALS, orthophotomap and analytical)</p>	<p>28.07.2022</p>	<p>28.02.2023</p>	<p>11,57</p>	<p>46 650,0</p>	<p>Zlotów City (Gmina Miasta Zlotów), Zlotów, Aleja Piasta 1, Poland Contact person: [REDACTED]</p>
<p>220700_Sopot Greenery management system in the area of the City of Sopot development</p>	<p>Scope of works within the project: vertical and oblique aerial images RGB and NIR with GSD 5cm and 10 cm, ALS data acquisition with density 40 p/m<sup>2</sup> and 10 pkt/m<sup>2</sup>; spectral range of imaging: 400 2500nm; DTM and DSM development orthophotomaps development, 3D Model development solar map development Numerical Model of Vegetation Height development, development of a hyperspectral mosaic with a resolution of: raster pixel: 0.5 m; development of a tree crown map, i.e. updating the Tree Crown Map from 2020, tree species map development , tree condition map development, tree trunk map development, development of the report on assessment of the condition of trees - for selected 500 trees, development and updating of the existing Web software; desktop application development to collect, register and update the acquired tree data quality</p>	<p>19.05.2022</p>	<p>19.12.2022</p>	<p>17,36</p>	<p>138 423,86</p>	<p>Sopot City (Miasto Sopot), Poland Contact person: [REDACTED]</p>
<p>2207103- LifeCoolCity</p>	<p>Project implemented under the LIFE program funded by the European Commission: LIFECOOLCITY - Use of remote sensing for management of blue-green infrastructure in the process of city adaptation to climate change</p> <p>As part of the project, aerial data was acquired for the test area in Wrocław: - laser scanning data - hyperspectral data - RGB vertical images</p> <p>On the basis of HS and ALS, as well as field botanical measurements were developed: - map of tree species - 51 taxa + 3 classes (other trees, other shrubs and dead) - map of tree condition - 5 classes of the degree of condition (1-very good, 5-critical)</p>	<p>01.01.2023</p>	<p>30.06.2029</p>	<p>60</p>	<p>n/a</p>	<p>Urząd Miasta Wrocław Adress: al. Śląska 1, 54-118 Wrocław, Poland Contact person: [REDACTED]</p>

	<p>Inventory of trees in designated areas of Wrocław.</p> <p>Stage 1 (basic inventory)</p> <p>1.1 Determination of tree locations</p> <p>1.2 Tagging of trees</p> <p>1.3 Determination of tree species, varieties and girths</p> <p>Stage 2 (Option - extended inventory)</p> <p>2.1 Determination of tree parameters and condition</p> <p>2.2 Qualification of trees for further action and recommendations for care.</p> <p>2.3 Photograph for each tree</p> <p>Stage 3 (Option - WOD Cards)</p> <p>3.1 WOD cards for selected trees with photographs</p> <p>3.2 Consistency of data with ZIM database</p> <p>Project implemented in the option of basic+extended+WOD inventory on the basis of two contracts - task III and IV</p>						Urząd Miasta Wrocław Address: al. Śląska 1, 54-118 Wrocław Poland Contact person:
220220- MPD Wrocław	In total, inventoried: 7733 trees (task III - 3953, task IV - 3780)	25.02.2022	09.12.2022	n/a	96 797,61		
230630- Praga Południe MPD	<p>Field inventory of greenery objects (trees) along with measuring their location in the field, and then processing the results into spatial data. The measurement of the location and spatial assignment of individual greenery objects had to be done with an accuracy of less than 1 m.</p> <p>Each object in the class had to be assigned the following parameters and characteristics: location, trunk circumferences, species, height, crown diameter and others.</p> <p>A total of inventoried: 10092 trees</p>	21.06.2023	21.11.2023	n/a	36 954,97		Zakład Gospodarowania Nieruchomościami w Dzielnicy Praga Południe m. st. Warszawy, ul. Walewska 4, 04-022 Warszawa
230980- MPD drogi Gdańsk	<p>Dendrological inventory with determination of indications (recommendations) for 4932 trees in road lanes on the territory of the Municipality of Gdańsk.</p> <p>Scope of work: carrying out a dendrological inventory of selected trees including indication of the location (coordinates) of trees with a minimum accuracy of 0.3 m, dendrometric measurements, taking photographs, description of developmental characteristics, phytosanitary condition and indication of treatments necessary for their proper maintenance.</p> <p>A number of attributes were determined for a given tree, including location, species, variety, girth, height, crown diameter, degree of condition and others</p> <p>A total of inventoried: 4718 trees</p>	12.10.2023	12.02.2024	n/a	33 627,27		Gdański Zarząd Dróg i Zieleni ul. Parkantów 26, 80-254 Gdańsk
<b>Total</b>					<b>254,45</b>	<b>1 049 662,27</b>	