

INFORMATION ABOUT THE PERSON FILLING THE FORM	
Name and family name	Andrej Kobler
Research organization	Slovenian Forestry Institute
Position in the organization	Researcher
Country	Slovenia
E-mail	andrej.kobler@gozdis.si
EXPERIMENTAL SITE ¹	
Name of the site	Slovenska Istra (Slovenian part of the Istria peninsula)
Location of the site	Slovenia
Start date	Potential new site
Characteristics of the forest ecosystem where it is located	<p>Most relevant features:</p> <ul style="list-style-type: none"> - Vegetation: <i>Ostrya carpinifolia</i>, <i>Quercus</i> sp., <i>Pinus</i> sp. - Soil characteristics: Eutric Cambisol on marl and flysch - Mean annual temperature: 13°C - Mean annual rainfall: 1058 mm - Altitude, slope, aspect: hilly topography, 95% elevations < 400 m - Land use: intensive urbanization along the coast, forests and fertile agricultural landscape in the hinterlands, rural depopulation after WW2 caused widespread spontaneous afforestation of farmlands, affecting biodiversity and causing loss of cultural landscape visual identity
Keywords	Lidar remote sensing, spontaneous afforestation, cultural landscape identity
Scientific characteristics	<p><u>Potential scientific objectives (site not yet established):</u></p> <ul style="list-style-type: none"> - quantification and change detection of biodiversity at the landscape level by lidar remote sensing - landscape-level relationships between present biodiversity and past agricultural landscape patterns, discovered through lidar remote sensing of microrelief patterns under forest canopy (i.e., terraces, parcel stonewalls, etc) - empirical modeling and predicting of climate change effects on biodiversity at landscape level <p><u>Interest for users:</u></p> <ul style="list-style-type: none"> - decision support for silvicultural and forest management - improvement of rural land use zoning <p><u>Particularities in comparison to others sites: lidar database already available (acquired in 2011-12, point cloud density 10 points/m².</u></p> <p><u>Research projects in the frame of which the experimental site is used (include web site address): Programme group Forest biology, ecology and technology</u></p>
Technical characteristics	<p>Detailed description (including instrumentation)</p> <p>Measured parameters</p> <p>If there is any file, map or images relevant about this infrastructure, please attach them (indicating here the name of the file).</p>

¹ Note: This information could be published in the webpage of FORESTERRA.



FORESTERRA

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SCIENTISTS AND/OR TECHNICIANS IN CHARGE OF THE INFRASTRUCTURE

Principal investigator	<i>Andrej Kobler, andrej.kobler@gozdis.si</i>
One additional line per person	<i>Name and e-mail address</i>
ADMINISTRATIVE INFORMATION	
Availability for participating in mutual measurements	<i>Yes (if the site is established)</i> <i>Andrej Kobler, andrej.kobler@gozdis.si</i>
	<i>Conditions or Policy of use</i>
Availability for accessing the data collected	<i>Yes</i> <i>Andrej Kobler, andrej.kobler@gozdis.si</i>
	<i>Conditions or Policy of use</i>

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Institution that manages the site	<i>Slovenian Forestry Institute (if the site is established)</i>
	<i>www.gozdis.si</i>
Institution that manages the data	<i>Slovenian Forestry Institute (if the site is established)</i>
	<i>www.gozdis.si</i>
Is the site participating in a national or international Network?	<i>Name (Original language and English translation)</i>
	<i>URL address</i>
Is the site open for transnational collaboration?	<i>Conditions:</i>