

INFORMATION ABOUT THE PERSON FILLING THE FORM	
Name and family name	Mitja Ferlan
Research organization	Slovenian Forestry Institute
Position in the organization	Research fellow
Country	Slovenia
E-mail	mitja.ferlan@gozdis.si
EXPERIMENTAL SITE ¹	
Name of the site	Podgorski kras: Zarašcanje (Podgorski Karst: Succession) http://petelin.gozdis.si/kras/ (not up to date)
Location of the site	Slovenia Kozina 45°33' N, 13°55' E
Start date	August 2008
Characteristics of the forest ecosystem where it is located	<p>Most relevant features:</p> <ul style="list-style-type: none"> - Vegetation: succession stage towards <i>Quercetalia pubescentis</i> (<i>Ostryo-Quercetum pubescentis</i>) - Soil characteristics: rendzic leptosol + eutric cambisols - Soil rockiness (40 cm depth): 46 ± 30 % - Average SOC (40 cm depth): 7.0 ± 2.4 % - Soil carbon stock (40 cm depth): 172 ± 52 t ha⁻¹ - Corg:N ratio in soil: 12.2 ± 1.1 - Soil pH: 6.9 ± 0.8 - Mean annual temperature: 10.5°C - Mean annual rainfall: 1370mm - Slope: no more than 2° - Tree cover: 40%
Keywords	Secondary succession, carbonaceous bedrock, eddy covariance, carbon cycle
Scientific characteristics	<p>Scientific objectives: Determine and compare carbon fluxes over different stages of secondary succession.</p> <p>Interest for users: Best land use management practice for high C sequestration</p> <p>Particularities in comparison to others sites: Carbonaceous bedrock</p> <p>Research projects in the frame of which the experimental site is used (include web site address): http://www.sicris.si/search/prj.aspx?lang=slv&id=5717</p>
Technical characteristics	<p>Detailed description (including instrumentation):</p> <p>soil temperature at three depths (2, 10 and 30 cm) using thermocouples (TCAV, Campbell Scientific, Logan, UT USA), soil water content (0-20 cm) using three time domain reflectometers (CS616, Campbell Scientific, Logan, UT USA) inserted vertically, incident radiation (LP02, Campbell Scientific, Logan, UT USA), incident (PPFDi) and reflected (PPFDr) photosintetic flux density (LI-190, Li-Cor, Lincoln, NE USA), net radiation (NR-LITE, Campbell Scientific, Logan, UT USA), air temperature and humidity (HMP45AC, Vaisala, Helsinki, Finland) , soil heat flux (10 cm) using three soil heat flux plates (HFP01SC, Campbell Scientific, Logan, UT USA) and precipitation (Rain gauge, Davis, Hayward, CA USA), CO₂ and H₂O analyzer (LI-7500, Li-Cor, Lincoln, NE USA) and sonic anemometer (CSAT3, Campbell Scientific, Logan, UT USA).</p>

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



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	<p>Measured parameters: soil temperature, soil water content, incident radiation incident (PPFDi) and reflected (PPFDr) photosintetic flux density, net radiation, air temperature and humidity, soil heat flux, precipitation, CO2 and H2O concentrations and all tree wind component above the ecosystem.</p> <p>Some more information could be found: http://www.sciencedirect.com/science/article/pii/S016788091000318X</p>
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SCIENTISTS AND/OR TECHNICIANS IN CHARGE OF THE INFRASTRUCTURE

Principal investigator	Mitja Ferlan (mitja.ferlan@gozdis.si)
One additional line per person	Urša Vilhar (ursa.vilhar@gozdis.si)

ADMINISTRATIVE INFORMATION

Availability for participating in mutual measurements	Yes, Mitja Ferlan (mitja.ferlan@gozdis.si)
	Publication/s
Availability for accessing the data collected	Yes, Mitja Ferlan (mitja.ferlan@gozdis.si)
	Publication/s
Institution that manages the site	Gozdarski inštitut Slovenije (Slovenian Forestry Institute)
	http://www.gozdis.si/domov/
Institution that manages the data	Gozdarski inštitut Slovenije (Slovenian Forestry Institute)
	http://www.gozdis.si/domov/
Is the site participating in a national or international Network?	No
Is the site open for transnational collaboration?	Yes