

INFORMATION ABOUT THE PERSON FILLING THE FORM	
<b>Name and family name</b>	<i>Marko Bajc, Tanja Mrak</i>
<b>Research organization</b>	<i>Slovenian Forestry Institute</i>
<b>Position in the organization</b>	<i>Research assistant, post-doc</i>
<b>Country</b>	<i>Slovenia</i>
<b>E-mail</b>	<a href="mailto:marko.bajc@gozdis.si">marko.bajc@gozdis.si</a> , <a href="mailto:tanja.mrak@gozdis.si">tanja.mrak@gozdis.si</a>
FACILITY <sup>1</sup>	
<b>Name of the facility</b>	<i>FILAB – Laboratorij za gozdno fiziologijo (Forest physiology lab)</i> <a href="http://en.gozdis.si/home/">http://en.gozdis.si/home/</a>
<b>Location of the facility</b>	<i>Slovenia</i> <i>Večna pot 2, 1000 Ljubljana</i> <i>UTM coordinates: Latitude/Longitude</i>
<b>Start date</b>	<i>1986 (renovated in 2012-2013)</i>
<b>Type of facility</b>	<ul style="list-style-type: none"> <li>- Includes controlled environment laboratory for research of GMO (level 2) and other samples subjected to specific regimes</li> <li>- 2 walk-in growth chambers with regulation of temperature, humidity, CO<sub>2</sub> concentration and light regime</li> <li>- High performance liquid chromatography (HPLC)</li> <li>- Spectrophotometer Shimadzu UV-1800</li> <li>- Tecan Spectra microplate reader</li> <li>- Bio-Rad ImmunoWash Model 1575 microplate washer</li> <li>- Eppendorf Concentrator 5301</li> <li>- Rotary evaporator Büchi</li> <li>- Cell culture shaker</li> <li>- Freeze dryer LIO-5PLT (Kambič laboratorijska oprema)</li> <li>- Autoclaves, fume extraction hood, biological safety cabinet, centrifuges</li> <li>- Bartz system for root growth analysis in minirhizotrons</li> </ul>
<b>Keywords</b>	<i>Biomarkers, enzymatics and hormonal regulation, stress physiology, genetically modified organisms, mycorrhiza and fine root research</i>
<b>Scientific characteristics</b>	<p><i>Physiology and functional diversity of symbioses (especially mycorrhizal fungi), fungal biomarkers, physiology, development and growth of fine roots, hormonal regulation and enzymatics of symbionts, stress physiology of increased temperatures, CO<sub>2</sub> and ozone on fine roots and mycorrhizal fungi, phytoremediation technologies, genetically modified organisms in forestry</i></p> <p><i>Interest for users: specialized for mycorrhiza and fine roots research</i></p> <p><i>Unique in Slovenian forest science</i></p> <p><i>Research projects in the frame of which the facility is used:</i></p> <ul style="list-style-type: none"> <li>- Programme group Forest biology, ecology and technology.</li> <li>- Carbon dynamics in forest soils and the rhizosphere, L4-4318.</li> <li>- EUFORINNO: European Forest Research and Innovation, RegPot No. 315982 (<a href="http://euforinno.gozdis.si/presentation/">http://euforinno.gozdis.si/presentation/</a>).</li> </ul>

<sup>1</sup> Note: This information could be published in the webpage of FORESTERRA.

<b>Technical characteristics</b>	<p><b>Controlled environment laboratory</b> equipped for research of GMO according to legislation for level 2, allowing sterile techniques of work</p> <p><b>Walk-in growth chambers (2pcs):</b></p> <ul style="list-style-type: none"> <li>• Temperature regulation: 5°C - 50°C (+/-0,2 °C)</li> <li>• Relative humidity: 30% - 90% (+/- 5%)</li> <li>• CO<sub>2</sub> concentration: 0%-20% (+/- 5-10 ppm)</li> <li>• Illumination intensity: 3 intensity levels selectable</li> <li>• Four removable/foldable shelves</li> <li>• Day-night regulation</li> </ul> <p><b>High performance liquid chromatography (HPLC):</b> quaternary gradient pump, HPLC column thermostat (Mistral), UV/VIS detector (SpectraPhysics), fraction collector, Chromeleon 7 software (Thermo Scientific)</p> <p>Measured parameters: Ergosterol, cytokinins, enzymatic activity, growth</p> <p>If there is any file, map or images relevant about this infrastructure, please attach it (indicating here the name of the file).</p>
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### SCIENTISTS AND/OR TECHNICIANS IN CHARGE OF THE FACILITY

<b>Principal investigator</b>	Prof.dr. Hojka Kraigher <a href="mailto:hojka.kraigher@gozdis.si">hojka.kraigher@gozdis.si</a>
<b>One line for each additional person</b>	Marko Bajc <a href="mailto:marko.bajc@gozdis.si">marko.bajc@gozdis.si</a>
	Ines Štraus <a href="mailto:ines.straus@gozdis.si">ines.straus@gozdis.si</a>
	Dr. Tanja Mrak <a href="mailto:tanja.mrak@gozdis.si">tanja.mrak@gozdis.si</a>

### ADMINISTRATIVE INFORMATION

<b>Availability for participating in mutual measurements</b>	Yes Prof.dr. Hojka Kraigher (hojka.kraigher@gozdis.si)
	Conditions or Policy of use: Individual agreement
<b>Availability for accessing the data collected</b>	IPR conditions under development (see above)
	Conditions or Policy of use
<b>Institution that manages the facility</b>	Gozdarski inštitut Slovenije – Slovenian Forestry Institute
	<a href="http://en.gozdis.si/home/">http://en.gozdis.si/home/</a>
<b>Structure or institution which manages the data</b>	Gozdarski inštitut Slovenije – Slovenian Forestry Institute
	<a href="http://en.gozdis.si/home/">http://en.gozdis.si/home/</a>
<b>Is the facility participating in a national or international Network?</b>	No
	URL address
<b>Is the facility open for transnational collaboration?</b>	Yes – for research purposes.