

INFORMATION ABOUT THE PERSON FILLING THE FORM	
Name and family name	Milan Pernek
Research organization	Croatian Forest research Institute
Position in the organization	Head of the Division for Forest Protection and Game Management
Country	Croatia
E-mail	Milanpvsumins.hr
FACILITY ¹	
Name of the facility	<p>Short name and complete name (Original language and English translation)</p> <p>ELKS- Entomološki laboratorij i klimatska soba ELCR-Entomological laboratory and climate room</p> <p>URL address http://www.sumins.hr/</p>
Location of the facility	<p>Country Croatia</p> <p>Postal address Cvjetno naselje 41, Jastrebarsko</p> <p>UTM coordinates: Latitude/Longitude Latitude: 45.667 Longitude: 15.667</p>
Start date	2010
Type of facility	<p>Short description</p> <p>The entomological laboratory consist of two separated rooms with a total surface of , and is equipped with 4 microscopes (Olympus), 2 refrigerators, working banks, autoclave and different laboratory material. In one of the rooms a little DNA laboratory is installed equipped with PCR: equipped with thermo-shaker, mini-centrifuge, vortexes, micro-centrifuge, thermo-cycler, two sets of pipettes, and other small equipment and consumables. In addition another molecular laboratory equipped with gel electrophoresis and transiluminator set, as well as phytopathological laboratory (both 30m2) will be used when necessary.</p> <p>Two climate rooms are available for the project, where temperature and light: night condition (L:D) could be controlled. One climate room is about 15m2, and the second 60m2. Both have access to water, and more than 10 rearing cages are available which will be used for development of insect stages of targeted moths. Beside this 2 climate chambers are available.</p>
Keywords	<p>3-5 keywords to describe the facility and its objectives</p> <p>climate rooms, insect rearing cages, gel electrophoresis and transiluminator set, microscopes</p>
Scientific characteristics	<p>Scientific objectives</p> <ul style="list-style-type: none"> -Incubation and rearing of pest organisms in the laboratory -Breeding of pest organism in the laboratory -Diet (palatability) tests -Dissection of pest organism and record of pathogens in different regions -Discrimination of genetic differences between studied populations using mtDNA marker -Calculation of population genetic indices for studied pest populations

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

	<p><i>Interest for users</i></p> <p><i>Particularities in comparison to similar facilities</i></p> <p><i>Research projects in the frame of which the facility is used (include web site address)</i> DPC http://stetnici.hr/</p>
Technical characteristics	<p><i>Detailed description of instrumentation</i></p> <ol style="list-style-type: none"> 1. Autoclave, Systec DX-45 2. Laboratory sterilizer, INKO ST02ER 3. Stereo-microscope, OLYMPUS, SZX7 4. Mikroscope, OLYMPUS BX53 5. Microscope camera , OLYMPUS XC30 6. Balance, ACCULAB mATL 224-I 7. Centrifuge, Hettich Zentrifugen 1204 8. Vortex, G-Kisker V-1 Plus 9. Thermoshaker, G-Kisker TS-100 sa glavom SC-20 10. Combi spin, G-Kisker FVL-2400N 11. Micro-centrifuge, G-KiskerSprout 12. Thermocycler, TECHNE TC-3000 13. Clima chamber 270L, TMA BTSe-Frigomat
	<p><i>Measured parameters</i></p> <ol style="list-style-type: none"> 1. Sterilisation of instruments 2. Sterilisation of medium 3. Measurement of pest 4. Measurement of pest 5. Measurement of spores 6. Weight of pests 7. Pellet production 8. Genetic analysis 9. Genetic analysis 10. Genetic analysis 11. Genetic analysis 12. Genetic analysis 13. Biological parameters
	<p><i>If there is any file, map or images relevant about this infrastructure, please attach it (indicating here the name of the file).</i></p>
SCIENTISTS AND/OR TECHNICIANS IN CHARGE OF THE FACILITY	
Principal investigator	<i>Milan Pernek, milanp@sumins.hr</i>
One line for each additional person	<i>Dinka Matošević, dinkam@sumins.hr</i>
ADMINISTRATIVE INFORMATION	
Availability for participating in mutual measurements	<i>Yes , Milan Pernek, milanp@sumins.hr</i>
Availability for accessing the data collected	<i>Yes Milan Pernek, milanp@sumins.hr</i>
	<i>Conditions or Policy of use</i>
Institution that manages the facility	<i>Name (Original language and English translation)</i> <i>Hrvatski šumarski institute</i>



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	<i>URL address. www.sumins.hr</i>

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Structure or institution which manages the data	<i>Name (Original language and English translation)</i> <i>Hrvatski šumarski institute</i> <i>Croatian Forest Research Institute</i>
	<i>URL address www.sumins.hr</i>
Is the facility participating in a national or international Network?	<i>Name (Original language and English translation)</i> <i>Hrvatski šumarski institute</i> <i>Croatian Forest Research Institute</i>
	<i>URL address www.sumins.hr</i>
Is the facility open for transnational collaboration?	<i>Conditions: yes, no conditions</i>