



## DOCTORAL PROGRAMME

IN

## SUSTAINABLE MANAGEMENT OF AGRICULTURAL, FORESTRY AND FOOD RESOURCES

Coordinator prof. Susanna Nocentini

<b>TECHNOLOGICAL AREA</b>	
<b>ADMINISTRATIVE OFFICE</b>	Department of Agriculture, Food, Environment and Forestry
<b>CURRICULA</b>	<ol style="list-style-type: none"><li>1. Wine Economics and Rural Development</li><li>2. Forest Economics, Planning and Wood Science</li><li>3. Agricultural and Forest Engineering</li><li>4. Food Science and Technology</li></ol>
<b>POSITIONS AVAILABLE: 7</b> Positions with Scholarship: 6 Positions without Scholarship: 1	
<b>SCHOLARSHIPS: 6</b>	<p><b>4 – University of Florence</b></p> <p><b>1 – Department of Agricultural, Food and Forestry Systems</b> Thematic: <i>“Monitoring and modeling of forest systems”</i>. The position with scholarship is partially funded by the Lombardy Region within the project "Development of a multi-scale monitoring system to support precision poplar cultivation in the Lombardy region" (PRECISIONPOP - CUP E86C18002690002). The specific topic concerns the use of mixed techniques for the monitoring and inventorying of forest resources through information acquired from multi-platform remote sensing and data from the ground. Applications concern the generation of information to support sustainable forest management.</p> <p><b>1 – Department of Agricultural, Food and Forestry Systems</b> Thematic: <i>“TREETALKER to study of tree functionality”</i>. The position with scholarship is funded by MIUR - Bando PRIN 2017 within the project "The Italian TREETALKER NETWORK (ITT-Net): continuous large scale monitoring of tree traits and vulnerabilities to climate change (code MIUR: 2017AAA8Z7). The specific topic concerns the definition of the impact of climate changes on functionality of forests. The project will use new low cost, multisensor devices to monitor continuously at high frequency: tree radial growth, sap flow, transmitted light spectral components related to foliage dieback and physiology and plant stability. A common database should be obtained and big data analysis should be performed.</p>
<b>STUDY/RESEARCH PERIODS ABROAD</b>	<b>YES</b> –only for positions with scholarship
<b>MANDATORY PERIOD REQUIRED</b>	3 months

<p><b>DOCUMENTS REQUIRED FOR THE ADMISSION</b> (under penalty of exclusion)</p>	<ul style="list-style-type: none"> <li>• Copy of the Identification Document</li> <li>• <u>Replacement Declaration Form</u> self-declaration for: <ul style="list-style-type: none"> <li>- Italian Degree required for the access</li> <li>- transcript of records with marks (<i>for those candidates whose degrees will be awarded within the 31<sup>st</sup> October 2019</i>)</li> <li>- acknowledgment of compliance for any other qualification documents enclosed with the application</li> </ul> </li> <li>• Foreign Degree required for the access (<i>those candidates whose degrees will be awarded within the 31<sup>st</sup> October 2019 shall enclose the list of the examinations completed with marks</i>)</li> </ul>
<p><b>DOCUMENTS REQUIRED FOR THE EVALUATION</b></p>	<p><b>MANDATORY</b></p> <ul style="list-style-type: none"> <li>• Curriculum vitae (European format)</li> <li>• Research Project</li> </ul> <p><b>OPTIONAL</b></p> <ul style="list-style-type: none"> <li>• List of publications</li> <li>• Any other scientific qualification document</li> </ul>
<p><b>REFERENCE LETTERS</b></p>	<p>A section is provided in the online application to specify the e-mail address of one professor/researcher willing to provide information about candidates training path and activities performed within a scientific field related to the Ph.D. course.</p>
<p><b>RESEARCH PROJECT</b></p>	<p>The research project must refer to one of the research topics of the PhD program (<a href="http://www.phd-gsrafa.dagri.unifi.it/ls-13-curricula.html?newlang=eng">http://www.phd-gsrafa.dagri.unifi.it/ls-13-curricula.html?newlang=eng</a>) or to a specific research topic scholarship and must be included in the application form.</p> <p>The project can be written in Italian or English and should be organized in the following sections: title, research question and state of the art, aims, materials and methods, expected results, cited references. The project should not exceed 12000 characters including spaces (not including references, tables and figures).</p> <p>The project will not necessarily be the PhD thesis project of the candidate, should he/she be accepted in the program.</p>
<p><b>MODALITY OF EVALUATION</b></p>	<ul style="list-style-type: none"> <li>• <b>Evaluation of curriculum vitae, research project, publications and other qualification documents</b></li> <li>• <b>Interview</b></li> </ul> <p>As detailed in the section below <b>“Evaluation Marks”</b></p>
<p><b>OTHER LANGUAGE FOR THE EXAMINATIONS</b></p>	<p>English</p>
<p><b>SKYPE INTERVIEW</b></p>	<p><b>YES</b> – possible for foreign residents only</p>
<p><b>FURTHER INFORMATION</b></p>	<p>Interview will be held in English or Italian. If it will be held in Italian, a supplementary test regarding English language will be held.</p>

<b>EVALUATION MARKS</b>	<b>parameter</b>	<b>minimum score</b>	<b>maximum score</b>
	Curriculum vitae, publications, scientific qualification documents	10/120	20/120
	Research Project	30/120	40/120
	<b>Applicants who obtain a mark of at least 40/120 according to the minimum score for each parameter will be admitted to the interview</b>		
	Interview: discussion of the research project and qualification documents	40/120	60/120
	<b>Eligibility is achieved with a minimum score of 80/120</b>		
<b>FURTHER INFORMATION ABOUT THE EVALUATION PROCESS</b>	Evaluation of curriculum vitae, research project, publications, scientific qualification documents will take into account the candidate's preparation and skills in relation to the research topics of the curricula of the PhD program and of the scholarships with specific research topic.		
<b>THEMATICS</b>	Discussion of the research project and of the eventual other academic and scientific titles and publications will aim at evaluating the candidate's interest and motivation towards scientific research in the fields of interest of the PhD curricula and of scholarships with specific research topic.		
Further information available at the following web page: <a href="http://www.phd-gsrafa.dagri.unifi.it/ls-12-phd-program.html">http://www.phd-gsrafa.dagri.unifi.it/ls-12-phd-program.html</a>			

<b>EXAMINATION SCHEDULE</b>			
	<b>DATE</b>	<b>SCHEDULE</b>	<b>PLACE</b>
<b>INTERVIEW</b>	9 <sup>th</sup> July 2019	09:30 a.m.	Department of Agricultural, Food and Forestry Systems Piazzale delle Cascine, 18 - Florence
The list of the candidates admitted to the interview and the final ranking will be published at the following web page: <a href="https://www.unifi.it/p11549.html">https://www.unifi.it/p11549.html</a>			