

Department of Biosciences and Territory

Position: Full-time appointment fixed term Researchers Contract Type a) as by the art. 24 of Italian Law n. 240/2010, for the Academic Discipline AGR/05 FOREST MANAGEMENT AND SILVICULTURE, Academic Recruitment Field 07/B2 ARBORICULTURE AND FOREST SYSTEMS, Area 07 AGRICULTURAL AND VETERINARY SCIENCES.

Program of teaching activities, student assistance and research:

Teaching activities: The candidate will be asked to carry out teaching activities, including integrative courses, and to provide support for students within basic and/or advanced, theoretical and practical, courses within the Academic Discipline of Forest Management and Silviculture in Forest and Environmental Science and Technology, as well as for other master courses at the University of Molise, including a doctorate, master, and for teaching in an international context.

Research activities: The candidate will be asked to implement research activities within the Academic Discipline of the Forest Management and Silviculture, with particular reference to the analysis and structuring of the forest-wood supply chain from the production base, i.e. from the sectors of forestry management, utilization and initial transformation. In this framework, which presents numerous opportunities, the candidate will participate in promoting the implementation and integration of information and communication technologies (ICT) in the perspective of what is defined as Precision Forestry, as essential elements of innovation in the national forestry production system. The research will have to develop innovative solutions to ensure the transfer of geomatic and ICT innovations to the operational reality, to encourage the enhancement of the high value made in Italy wood product through electronic traceability systems of the entire supply chain and finally participate in the development and implementation of digital monitoring services for urban green areas.

Scientific production goals (scientific papers, conferences, other types of products) and qualitative features of the scientific production:

The candidate should aim to carry out research with a high international profile, with publications in wide-spread international journals that could provide a significant contribution to the next Research Quality Assessment (VQR) of the Department of Biosciences and Territory of the University of Molise.

Activity location: Department of Biosciences and Territory of University of Molise - Pesche. The researcher could carry out the research activities within other Departments of the University of Molise as well as other national and international research Institutions depending on the particular needs of the research program.

Maximum number of scientific papers that the candidate can exhibit: 12.

Foreign language for which a detailed knowledge is required: *English*.

Periodic and final reporting mode of the achieved work results the researcher is required to submit: Annual report of the teaching and research activities, current research projects, and expected results in terms of publications in journals with impact factor.