

Department of Agricultural, Environmental and Food Sciences

- **Position:**

Full-time appointment fixed term Researchers Contract Type b) as by the art. 24 of the 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, especially for specific laboratories, within basic and/or advanced, theoretical and practical, courses within the Academic Discipline of Forest Management and Silviculture (AGR/05) in Agricultural and Forest Science and Technology (L-25) and Forest and Environmental Science and Technology (LM-73), as well as for master courses at the University of Molise, PhD courses, and for teaching in an international context.

Research activities: The candidate will be asked to carry out research activities within the Academic Discipline of Forest Management and Silviculture (AGR/05), particularly concerning the use of traditional and innovative techniques for monitoring, valorizing forest ecosystems, as well as for supporting sustainable forest management, including the effects of climate change (climate-smart forestry). Emphasis will be given to testing innovative tools and methods for characterizing forest structure, biodiversity conservation, and sustainable forest management indicators using proximal and remote sensing techniques, especially through the integration of LiDAR metrics with field biometric data.

- **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 Agricultural, Environmental and Food Sciences at the University of Molise.

- **Activity location:** Department of Agricultural, Environmental and Food Sciences at the University of Molise - Campobasso. The researcher will carry out the research activities within other Departments of the University of Molise and national and international research Institutions, depending on the specific 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 international journal.