



UNIVERSITÀ
DI SIENA
1240

ANNEX A - Factsheet

Factsheet: no. 1 (one) Technologist (pursuant to art. 24-bis law no. 240/2010) at University of Siena, at the Department of Physical Sciences, Earth and Environment (DSFTA)

Profile: Technologist

Places available: 1

Area/Assignment Sector: Equivalent to the Administrator Area - (former category D, economic position D3)

Duration of the contract: 36 months – full time

Workplace: Department of Physical Sciences, Earth and Environment (DSFTA)

Project: ERC-2023-SyG “Last Neanderthals”

CUP: B63C24000530006

Principal Investigator: Prof. Francesco Berna, Prof.ssa Adriana Moroni

Job description: This role, within the ERC SYNERGY project 'Last Neanderthals,' requires a skilled technologist to manage the technical aspects of archaeological excavations. Responsibilities include: operating and maintaining sophisticated surveying equipment (total station, GPS RTK); accurately documenting excavations; processing data in a georeferenced GIS environment; conducting surveys at Eurasian prehistoric sites; performing spatial analysis; and handling administrative tasks related to fieldwork.

Application requirements. At least one of the following academic qualifications is required:

- Second cycle degree (*Laurea magistrale* LM) (under M.D. 270/04) in Archaeology (class **LM-02**) or *Laurea specialistica* (LS) (under M.D. 509/99) or *Diploma di laurea* (DL, prior to M.D. 509/99) equivalent.

Professional knowledge and skills:

The ideal candidate will possess extensive experience in archaeological excavation, survey, and spatial analysis within Paleolithic contexts. Specifically, they should demonstrate:

- Proficiency in GIS for Archaeological Applications:
 - Demonstrated knowledge and professional experience using GIS in archaeological research, particularly within Paleolithic settings.
- Expertise in Prehistoric Excavation and Survey:
 - Proven experience conducting prehistoric archaeological excavations and surface surveys.
 - Advanced expertise in documentation techniques for prehistoric contexts, including spatial data recording and management.
 - Ability to design and direct Paleolithic excavations focused on reconstructing human group behaviors, from context assessment to selecting appropriate documentation and GIS-based analyses.
- Theoretical and Analytical Skills in Intra-Site Spatial Investigations:
 - Comprehensive understanding of the theoretical foundations of intra-site spatial investigations in Paleolithic contexts.

- Knowledge of analytical workflows for reconstructing activity areas and models derived from actualistic studies (ethnoarchaeology, ethnography, experimental archaeology).
- Interdisciplinary Understanding and Interpretation:
 - Understanding of the challenges in integrating concepts and methods from related fields (e.g., behavioral chain, chaîne opératoire, taphonomy) into spatial archaeology.
 - Ability to interpret settlement dynamics and the socio-economic and cultural processes underlying changes.

Foreign languages: English (advanced level)

The **written test** consists of a short paper.

The maximum mark for the written exam is 30 points, the pass mark is 21/30.

Exam topics: Documentation techniques for prehistoric archaeological excavations and the principles of spatial analysis in prehistoric contexts.

The **interview** is conducted partially in English, is aimed at ascertaining the knowledge and skills specified above and verifying the candidate's technical-professional abilities, maturity of thought, cultural knowledge and theoretical-practical aptitudes relevant to carrying out the activities specific to the position for which the competition is being held.

For candidates who are not native speakers of Italian, knowledge of the Italian language will be verified. Knowledge of the most common computer applications will also be verified.

The maximum mark for the interview is 30 points, the pass mark is 21/30.

Exam topics: topics and themes listed under “Professional knowledge and skills”

Assessable qualifications (max. 18 points):

- PhD on a subject related to this call;
- Research grants;
- Publications (**max. 8**). Publications must have an ISBN or ISSN, be listed analytically and attached in PDF format to the application.