

ANNEX 1

Tab 1 Dipartimento of Engineering

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| Vacancies | N. 1 |
| Project | PNNR – Infrastrutture di Ricerca, Missione 4 “Istruzione e Ricerca” – Componente 2 “Dalla ricerca all’impresa”, Linea di investimento 3.1. “Strengthening the Italian RI for Social Mining and Big Data Analytics - SoBigData.it” |
| CUP (Consolidated Project Code) | B53C22001760006 |
| Category | EP3 |
| Duration | 18 months |
| Location of the research activity: | Dipartimento di Engineering – Telecommunications Lab |
| Qualifications for access | Master's degree in Electronic, IT or Telecommunications Engineering or equivalent |
| Required professional qualification | Documented research experience (also also proved by scientific publications) in the field of latest generation wireless networks (including 5G, WiFi and BLE), Mobile Edge services and virtualization |
| Technical and administrative support activities on the following work programme | <p>It is required to carry out the following activities foreseen in the Project:</p> <p>WP1 - Empowering the Digital Backbone</p> <p>The aim of this activity is deploying and integrating a testbed and related experimental tools for studying emerging wireless access technologies which may represent important information sources for user location and environmental sensing. These information sources can also represent some critical privacy threats. To this purpose, the testbed will include heterogeneous wireless technologies, including two beyond-5G femto-cells and Software-Defined-Radio platforms, innovative long-range low power technologies for simple sensing devices, and existing short-range technologies such as WiFi and BLE. The testbed will be integrated with a core network deployed in other project sites and federated with other laboratories.</p> <p>WP3 – Access Provision</p> <p>Within this activity, we will provide the integration layer with the common SoBigData virtual access framework for granting access to the resources available at the testbed deployed in WP1</p> |
| Scientific commitment and skills | To conduct the research activities envisaged in the project, the technologist must have skills in the main radio access technologies (in particular for 5G and WiFi) and cloud technologies (virtual access, Mobile Services, etc.). |
| Language skills: | English |