



## ANNEX 1

### Position Description

<b>Number of positions</b>	No.1
<b>Project</b>	PNC PRJ-1186 (DARE)
<b>Project CUP Code</b>	B53C22006460001
<b>Category and Sector</b>	EP – Technical - IT Sector
<b>Contract duration</b>	18 months
<b>Work location</b>	University of Palermo – University IT Systems Area (SIA)
<b>Educational qualifications required</b>	Master's Degree (Laurea Magistrale or Specialistica) or equivalent pre-reform degree (Laurea V.O.) in STEM disciplines
<b>Professional qualifications required</b>	<ul style="list-style-type: none"> <li>• Certified experience in the design and management of Cloud and High Performance Computing (HPC) infrastructures</li> <li>• Certified experience in implementing distributed computing infrastructures and virtualised systems</li> </ul>
<b>Main Technical and Administrative Tasks Related to the Project</b>	<p>The selected candidate will carry out the following tasks as part of the above-mentioned project:</p> <ul style="list-style-type: none"> <li>• Technical coordination and support for the project's planned activities, ensuring continuous collaboration with the scientific coordinator and the Project Manager (RUP);</li> <li>• Technical support in the analysis and design of the HPC infrastructure and related hardware/software components specific to the project's objectives;</li> <li>• Oversight and coordination of services required to implement pilot projects by all scientific units and project partners;</li> <li>• Technical support in all operational phases of the project;</li> <li>• Data collection and analysis, ensuring the quality and accuracy of collected information;</li> <li>• Preparation of periodic progress reports (in Italian and, when required, in English), including analysis of issues and proposed improvements;</li> <li>• Participation in meetings, workshops, and working groups;</li> <li>• Drafting of documents, papers, and action plans (in Italian and, when required, in English);</li> <li>• Any other activity deemed useful or necessary to achieve the project's objectives and deliverables.</li> </ul>
<b>Required Skills and Expertise</b>	<ul style="list-style-type: none"> <li>• Advanced knowledge of Cloud Computing and High Performance Computing (HPC), with experience in both hybrid and public cloud environments (e.g., Azure, Google Cloud, AWS);</li> <li>• Experience in designing and managing hyper-converged infrastructures (HCI);</li> <li>• Advanced knowledge of virtualisation technologies such as VMware vSphere, Microsoft Hyper-V, Nutanix;</li> <li>• Advanced knowledge of containerisation technologies, including Docker, Kubernetes, OpenShift;</li> <li>• Familiarity with tools and technologies for IT automation and Infrastructure as Code (IaC), including Terraform, Ansible;</li> <li>• Experience in implementing high availability (HA) solutions, disaster recovery strategies, and IT security in virtualised environments;</li> </ul>



	<ul style="list-style-type: none"><li>Project management skills, with expertise in project management methodologies and tools, including software for creating documents, charts, and spreadsheets.</li></ul>
<b>Foreign Language Requirement</b>	English