

Training Opportunity for Portuguese Trainees

Reference	Title	Duty Station
PT-2019-TIA-API	Analysis of space applications opportunities per thematic areas	ECSAT
<p>Overview of the unit's mission:</p> <p>The vision of ESA Business Applications (https://business.esa.int/) is to improve the lives of people on Earth through Space. We make this possible by enabling and supporting businesses in the short-term commercialisation and application of Space data and technology for everyday services.</p> <p>In order to achieve this, the following objectives have been defined for ESA Business Applications activities:</p> <ul style="list-style-type: none"> Promotion of space applications to a wider range of users, especially those who are not aware of the benefits that space technologies can bring to them Development of new operational services for these users, involving a broader participation by actors on both the demand and supply sides Utilisation of one or more existing space-assets such as : Satellite Communications, Earth Observation, Satellite Navigation, Human Spaceflight technologies and others <p>TIA-API is running a number of ARTES applications projects within the Business Applications Department.</p>		
<p>Overview of the field of activity proposed:</p> <p>The trainee will perform an investigation and characterization of the opportunities for space-based applications in a number of economic sectors. This will entail the analysis of the current applications projects in a specific area (e.g. transport & logistic, energy, maritime and aquatic) with the objective of identifying gaps with respect to new user needs. Limitations of the current services and state-of-the-art applications shall be assessed. Potential subjects for new activities shall be identified and the implementation of these initiatives shall be supported by the trainee.</p> <p>During the traineeship, the selected person will be able to study the value of using space assets such as satellite communications, satellite navigation and satellite earth observation for applications in the identified sector. He/she will assess whether such applications would satisfy prospective users' needs and address the current limitations.</p> <p>Potential subjects for new activities shall be identified and the implementation of these initiatives shall be supported by the trainee. This will include programming of related planning tools (e.g. in Sharepoint).</p>		
<p>Required education:</p> <p>Engineering Degree in a Space Applications field (e.g. Satellite Communications, Earth Observation, Satellite Navigation) with knowledge of fundamentals of economics.</p>		