

Training Opportunity for Portuguese Trainees

Reference	Title	Duty Station
PT-2017-TIA-API	Analysis of space applications opportunities per thematic areas	ECSAT (UK)
<p>Overview of the unit's mission:</p> <p>TIA-API is running a number of ARTES¹ applications projects (https://artes-apps.esa.int/) within the Telecommunications related and Integrated Applications Department. These projects cover a wide range of thematic areas such as agriculture, energy, safety and emergency response. The objective of the ARTES applications programmes is to foster (new) utilization of existing space capacity and capability in close partnership with users to establish sustainable services.</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, energy, maritime) 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.</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>Required education:</p> <p>Engineering Degree in Space or Telecommunications, with knowledge of fundamentals of economics.</p>		

¹ Advanced Research in Telecommunications Systems