

Training Opportunity for Portuguese Trainees

Reference	Specialist Area	Duty Station
PT-2010-EOP-SA	Earth Observation Training	ESRIN
<p><u>Overview of the Division missions:</u></p> <p>Support the development of the Earth Observation Programme strategy, coordinate all science and preparatory studies, management of the Earth Explorer mission selection, contribution to the management of requirements for future Earth Observation missions, coordination of the education and training activities of the department, including Eduspace, and organization of training courses worldwide.</p>		
<p><u>Overview of the field of activity proposed:</u></p> <p>Contribution to the development of training kits and training projects in the area of Earth Observation. In particular, the candidate will improve and complete the design and implementation of a module on "Latin America from Space" for the ESA web site Eduspace, in close cooperation with the Argentinean Space Agency (CONAE) and the Brazilian one (INPE).</p> <p>This will include:</p> <ul style="list-style-type: none"> - Review of the module architecture - Selection of an image gallery - Review of relevant applications - Review of projects and cases studies, including processing steps (like image calibration, co-registration, geo-ref change detection, classification and interpretation) - Addition of new projects and cases studies - Preparation of related exercises - Preparation of related tutorials - Contribution to conferences, workshops, training courses organized by ESA or where ESA is participating (with particular focus to ESA/UNOOSA capacity building activities and workshops in Latin America). 		
<p><u>Required Education:</u></p> <p>Languages: fluency in English is required. A 4 or 5-years university degree in Engineering or Physics with some background in Radar Remote Sensing is required. Familiarity with commercial or free image processing SW packages (like ERDAS Imaging, ENVI, or the ESA Toolboxes, or equivalent) required. Desirable: familiarity with ESA and/or TPM data (ENVISAT ASAR, ALOS PaSAR etc.).</p>		