

Training Opportunity for Portuguese Trainees

Reference	Title	Duty Station
PT-2015-EOP-SER	Sentinel data	ESRIN
<p>Overview of the Unit missions: The mission of the R&D section in the EO programmes Directorate is to:</p> <ul style="list-style-type: none"> • Federate, support and expand the research community exploiting data from operational missions (Sentinels) • Strengthen the leadership of European EO research community • Enable the science community to address new scientific research <p>Unit action lines:</p> <ul style="list-style-type: none"> • Organise regular Science Users consultations and gather feedback • Develop open source Scientific Toolboxes • Launch state of the art R&D studies • Train next generation EO scientists • Promote science data use and results <p>Overview of the field of activity proposed:</p> <p>a) Analysis of Sentinel 1 satellite imagery for science and applications - S1 SAR ocean applications (wind , wave, current) - S1 SAR land applications (forestry, change detection, subsidence, earthquakes)</p> <p>b) Exploitation preparation of future Sentinel 2 Data for science and applications (using S2 simulated data SPOT-Landsat) - S2 for Land Use / Land Cover, agriculture and forest monitoring - S2 in coastal zones</p> <p>c) Exploitation preparation of future Sentinel 3 Data for science and applications (using Envisat/Cryosat or third party data) - S3 ocean color and SST - S3 SAR altimetry, - S3 Land (LST, Land cover)</p> <p>d) Sentinels 1/2/3/5P toolboxes development support and Beta testing for science and applications</p> <p>e) Exploitation preparation of future Sentinel 5P Data for atmospheric science and applications - Air Quality, - Climate, - Ozone</p>		
<p>Required Education:</p> <p>Master or PhD Degree in remote sensing / environmental sciences.</p>		