

National Trainee Scheme Training Opportunity

Reference	Specialist Area	Duty Station
NTS-2012-EOP-SA	EO educational material for Sentinel-1 and -2 exploitation	ESRIN
<p><u>Overview of the Division missions:</u></p> <p>The Science Strategy, Coordination and Planning Office within the Science, Applications and Future Technologies Department is responsible for supporting the development of the overall strategy for the Directorate, for the management of mission selection procedures, for preparation and coordination of all science and preparatory studies within the Department. It is also responsible for support to and management of activities of the Earth Science Advisory Committee (ESAC). In addition the office coordinates the education and training activities of the department, including Eduspace, and organization of training courses worldwide.</p>		
<p><u>Overview of the fields of activity proposed:</u></p> <p>The candidate shall support our office in the preparation of training courses, exercises and educational material, ranging from secondary school (www.esa.int/eduspace) to University and PhD level, for the preparation of the exploitation of Sentinel-1 and Sentinel-2 data. Presently, our courses (eo-edu.eo.esa.int) focus both on Earth Observation data processing and applications, using ESA and TPM data and ESA Software Toolboxes (http://eopi.esa.int/esa/esa) like NEST, BEAM, Leoworks, as well as other free scientific packages like BILKO (UNESCO) or DORIS (University of Delft). In particular, we wish to address the combination and synergy of optical and radar remote sensing for a variety of applications, from disaster management and damage mapping to geophysics.</p>		
<p><u>Required Education:</u></p> <p>PhD or MSc in Engineering/Physics on a subject related to Remote Sensing. Sound knowledge in both Optical and Radar Remote Sensing, including InSAR. Knowledge of ESA EO Tools such as NEST, BEAM, Leoworks. Fluency both in English and French.</p>		