

Training Opportunity for Swiss Trainees

Reference	Title	Duty Station
CH-2018-EOP-ΦLE	Digital Earth Observation Technologies	ESRIN
<p>Overview of the unit's mission:</p> <p>The Φ-lab aims to identify, support and scale innovative Earth Observation solutions, partnerships, and business models that harness exponential technologies to address global societal challenges in the digital era and shape the future of Earth Observation (EO). You will be part of a dynamic team of data scientists and innovators based in an open-space at ESRIN, offering you an inspiring collaborative and design-thinking environment to develop your own ideas and prototype.</p>		
<p>Overview of the field of activity proposed:</p> <p>Your activity will be to develop, test and benchmark innovative ICT tools addressing one of more of the following topics applied to EO:</p> <ul style="list-style-type: none"> • Artificial Intelligence (AI) applied to data search, recommendation, mining, and classification, including Machine / Deep Learning; • New Sensing techniques including Small Satellite constellations, High Altitude Platforms, and Internet of Things, • New Digital ways to engage with citizens including Virtual/Augmented Reality, Digital Education, Crowdsourcing, <p>Your tasks will be to:</p> <ul style="list-style-type: none"> • Code and develop iteratively innovative EO workflows and solutions, • Support development of an ICT environment for rapid prototyping of new ideas, • Collaborate with Φ-lab members and experts and contribute to interdisciplinary projects. 		
<p>Required education:</p> <p>Applicants should have just completed, or be in their final year of a University course at Masters Level (or equivalent) in a technical or scientific discipline. The following would be an asset:</p> <ul style="list-style-type: none"> • Background and experience in ICT and coding applied to data and possibly Artificial Intelligence (AI) techniques; • Good knowledge of Python, R, Jupyter notebook, and other programming languages; • Experience in AI and EO tools, App development; • Expertise in Deep Learning, Computer vision, Semantic annotation, and in exploiting and developing statistical tools for mining of large data sets. <p>Applicants should have good interpersonal and communication skills and should be able to work in a multi-cultural environment.</p> <p>Applicants must be fluent in English.</p>		