

Training Opportunity for Luxembourgish Trainees

Reference	Title	Duty Station
LU-2022-HRE-XI	Space Resources Applications Engineering	ESTEC
<p><u>Overview of the mission:</u></p> <p>The Innovation and Commercialisation Team leads the definition and coordinates the implementation of all HRE cross-sectoral innovation initiatives as outlined in the E3P Innovation Plan.</p> <p>This includes working in close collaboration with the Luxemburg Space Agency (LSA) and the European Space Resources Innovation Centre (ESRIC) to support the growth of the Space Resources field and expand the community and the number of actors.</p> <p>ESA supported activities focus in particular on developing and demonstrating in situ new technology for extracting and using lunar resources to enable sustainable exploration mission.</p>		
<p><u>Overview of the field of activity proposed:</u></p> <p>As part of the team, you will broadly analyse applications of lunar resources for space exploration and</p> <ul style="list-style-type: none"> Propose ESA sponsored activities aimed at stimulating the creation of related value chains. Develop a 20-year roadmap for demonstration and development of applications of resources extracted from lunar regolith Monitor and support the coordination of related research activities sponsored by ESA. <p>You will also seek to establish partnerships with academia to model the economic and environmental benefits derived from making use of lunar resources in support of lunar and deep space exploration.</p> <p>You will develop a comprehensive business plan guiding future ESA investment in in-situ lunar resource utilization capabilities and applications and demonstrating resulting long-term benefits for delivering the objectives of the European Space Exploration Envelope Programme.</p> <p>You may also be involved in supporting the definition and implementation of community engagement activities, such as call for ideas, challenges, workshops and conferences.</p>		
<p><u>Required background:</u></p> <ul style="list-style-type: none"> Master's degree in Engineering Technical knowledge in the relevant engineering domain Good interpersonal and communication skills Ability to work in a multi-cultural environment, both independently and as part of a team Fluency in English and/or French, the working languages of the Agency 		