Training Opportunity for Irish Trainees

<table>
<thead>
<tr>
<th>Reference</th>
<th>Title</th>
<th>Duty Station</th>
</tr>
</thead>
<tbody>
<tr>
<td>IE-2019-EOP-SDD</td>
<td>Leveraging IT advance for EO</td>
<td>ESRIN</td>
</tr>
</tbody>
</table>

**Overview of the unit’s mission:**

- Explore innovative ideas for shared services/tools to facilitate EO exploitation by EO/Data Scientists, Application developers and Value adders.
- **Ensure** incorporation and usage of leading edge ICT innovation into EO activities
- Progress on use of artificial intelligence and machine learning for information generation and service access

**Overview of the field of activity proposed:**

The trainee shall actively explore and compare the potential of advanced services available by cloud-based IT and platform offerings to create a step change in achieving science goals or generating value-added information in much shorter time-scale and/or on a wider scale.

He shall autonomously engage with infrastructure and data providers and assess the suitability of their offering both from a technical as well as from a business model point of view. He shall further assess the lock-in risk with the single platform providers and investigate on needed standardisation efforts to remove the lock-in.

Executing an example project he shall assess the usefulness of current operational service offering and provide feedback on needed or desirable improvements.

**Required education:**

- University degree and familiarity with computer science and EO techniques