***Earth Surface Research Laboratory***

***Open Call and Short/Pilot Project Application***

This form is for researchers requesting access to the ESRL where funding is not available from an external source. Access through this form is free of charge but is strictly limited to researchers based on the island of Ireland. Applications can be made through one of two routes:

* Open Call applications are assessed by the ESRL Scientific Advisory Committee at twice yearly meetings (submission deadlines are advertised in advance);
* Short or Pilot Project (<24 hours analysis time) applications are assessed by the ESRL Director and can be submitted at any time – a shorter application is required for this route.

Full details of the available facilities, potential data and analysis times can be found at www.tcd.ie/Geology/esrl/. For details of analysis costs or to submit short/pilot project applications, contact the ESRL Director (Michael.Stock@tcd.ie). Open call applications should be submitted to research@gsi.ie.

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| **1. Project title** |  |

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| **2. Applicant details** – *note: applicants must be a research student (MSc or PhD) or hold a research position (temporary or permanent) on the island of Ireland.* | |
| **Name** |  |
| **Title** (Mr, Ms, Dr, Prof. etc.) |  |
| **Position** (PhD student, Postdoctoral Researcher, Lecturer etc.) |  |
| **Organisation name** |  |
| **Phone number** |  |
| **Email** |  |

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| **Organisation type** | HEI  Other (please specify) |
| **Department/section** |  |
| **Address** |  |

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| **3. Project abstract** (*max. 100 words)* | |
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| **4. Application type** (resubmissions must include a letter addressing the SAC comments) | Open Call  Short of Pilot Project (<24 hours analysis time)  Re-submission |

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| **5. Co-applicant details** – *provide details of other investigators involved in the project, including Co-investigators, Collaborators and Research Students. If the primary applicant is a student, their supervisor must be a co-applicant (please indicate). Add extra investigators at the end of this form if necessary.* | |
| **Name and email** |  |
| **Position and organisation** |  |
| **Role in project** |  |

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| **Name and email** |  |
| **Position and organisation** |  |
| **Role in project** |  |

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| **6. Student project** – *if these analyses are part of a student’s PhD or MSc project, describe their significance and relationship to the aims of their thesis (max. 100 words)* | | | |
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| **PhD project title** |  | | |
| **Awarding University** |  | | |
| **PhD start date** |  | **PhD end date** |  |

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| **7. Project description** – *These should be self-contained and accessible to Scientific Advisory Committee, who may not be expert in your discipline. Please include the following:*  *1. Background and strategic context*  *2. Aims, objectives and hypotheses (i.e. scientific targets)*  *3. Justification for the ESRL analyses*  *4. How the results will address the aims, objectives and hypotheses*  *5. Potential outputs and details of how data will be made publicly available.*  *Open Call applications should be a maximum of 2 pages and Short or Pilot Project should be a maximum of 1 page. These should be Arial, size 11, single spaced and within the margins of the box below (do not change). One additional page of figures/tables may be included.* |
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| **8. Current and future research plans** – *indicate how the results fit into any broader research plans (recent, current or planned), including any areas of agreed collaboration. For example, this might include providing preliminary data for a grant application or contributing to a larger unfunded research project. Please include three relevant recent publications (these may or may not be authored by the applicants).* |
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| **9. ESRL requirements** – *note: users are expected to prepare and analyse their own samples under both Open Call and short/pilot project applications (excluding Zetium samples which will always by ESRL technicians). Adequate training will be provided.* | |
| **Preparation equipment** | Balances  Pellet pressing  Loss on ignition  Grinding  Fusion |
| **Analytical equipment** | Zetium WD-XRF  Hg Analyser  Elemental Analyser  Rigaku ED-XRF |
| **Additional preparation (TCD facilities, by special request only)** | Sample crushing  Sample grinding |

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| **10. Sample details** – *describe samples in as much detail as possible, giving details of the matrix and any unusual elemental compositions (e.g. non-geological abundances or suspected contamination). Use different rows for different instruments or samples types (add extra rows as necessary).* | | | |
| **Instrument** | **Sample description** | **Type of sample**  (loose powder, pressed powder, fused bead) | **Number of samples** |
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| **Confirmation of sample suitability** *– I confirm that I have read the information on the ESRL website (www.tcd.ie/Geology/esrl) regarding instrument capabilities and sample requirements or have discussed these with an appropriate ESRL staff member. I understand that some sample materials may not be suitable for all types of analysis and that I am responsible for checking that my samples are appropriate. I hereby confirm that the samples detailed above are appropriate for the proposed analytical technique(s) (tick box)*. | | |  |

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| **11. Analytical details** – *please detail the analytical requirements of the project. Standard instrument capabilities are outlined at www.tcd.ie/Geology/esrl/equipment and the feasibility of any unconventional analytical requirements (i.e. beyond those detailed on the website) must be discussed with an ESRL staff member prior to submitting a project application.* | | | | |
|  | **Element** | **Instrument** | **Approx. concentration** | **Required precision** |
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| **12. Project timing** – *state when analyses are required, justifying any time-critical analyses (where appropriate)* |
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| **13. Prior consultation** (name any ESRL staff member with whom project requirements have been discussed) |  |

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| **14. Declaration** – *I declare that the information provided is accurate, that the analyses are not being undertaken for commercial processes and that I do not already have grant funding to cover the cost of these analyses (including grants which have been awarded but not yet started). I consent that Trinity College Dublin and/or Geological Survey Ireland may make any enquires they consider necessary to verify the information provided herein. I agree to undertake all laboratory work in line with the ESRL Quality Management System. I agree to appropriately acknowledge the ESRL in related published and public outputs, stating that the work was supported by the Geological Survey Ireland-funded Earth Surface Research Laboratory in Trinity College Dublin. I agree to publish any ESRL results which were funded, either in part or in full, by Geological Survey Ireland in line with the* [*NORF Framework and FAIR research data principles*](https://norf.ie/) *(this includes where ESRL facilities were accessed at a subsidised rate).* | |
| **Applicant signature** |  |
| **Date** |  |

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| **For Official Use Only** | |
| **Date received** |  |
| **Application No** |  |
| **Status** |  |