

4. Is training required? (NB if the person USING the equipment has NOT already been trained by FSF, then attending a training course in Edinburgh is compulsory). We provide fully customised, one-to-one training courses tailored to individuals' needs. We also offer refresher courses for those who have not used the equipment for over 18 months, or if requested.

YES NO Refresher course

5. Period of Loan Dates when equipment is required (inclusive)

1st choice: _____ 2nd choice: _____

6. Research Project Title (maximum of 12 words)

7. Proposed site(s) Please provide **place name** and **latitude / longitude** (or national grid area)* _____

8. Other personnel involved in project (please provide names, affiliation and status)

9. Funding type (tick all that apply). *Please note that loan priority will be assigned to those projects currently in receipt of a NERC Grant or studentship*

a. Project funding

NERC Research Grant
(specify in section c)

NERC other
(specify in section c)

Other academic
(please specify below)

Other
(please specify below)

b. User/studentship funding

NERC studentship
(including NERC CASE or tied studentships)

Other studentship

No associated studentships

c. Funding details. If in receipt of NERC funding please provide the full grant or studentship reference number and the title of the project. Please also state the value of your funding.

10. Science areas

a. Please indicate which ONE of the following science areas is the most fitting for your application.

Atmospheric

Earth Observation

Earth

Science Based Archaeology

Marine

Polar

Terrestrial & freshwater

**Please note that if you wish to take the equipment out of the UK during your loan you should provide justification for your choice of site in section 12. FSF staff will be able to advise on customs issues, and will provide essential paperwork for your trip, but export and import will be the sole responsibility of the P.I. in charge of the project.*

b. Please indicate which NERC's [The Business of the Environment Strategy](#) is the one most relevant to your requested loan.

Managing Environmental Change – Supporting biodiversity and Nature’s services, cleaning up our air.

Resilience to Environmental Hazards – Keeping UK airspace open, resilience to environmental hazards, reducing the cost of flooding.

Benefiting from Natural Resources – Fuelling the economy, feeding a growing population.

Discovery Science - Understanding polar ice melt, revealing wildlife secrets and crimes.

Specific research - research on science NOT impacting on the first four priority areas.

11. ARSF applications

If this application is in association with an Airborne Remote Sensing Facility (ARSF) proposal, please provide the ARSF reference number, PI name, project title, requested flight dates and grade below.

ARSF Application Number _____

Principal Investigator _____

Full Title of ARSF Project _____

Requested Flight Dates _____ Grade _____

12. Previous FSF loans

a. Is this application associated with any previous applications to FSF? If so please provide the loan reference number(s), the name of the Principal Investigator(s), and the grade(s) of each.

b. Please list the outputs from your previous loan(s), in terms of publications, presentations etc?

13. Research Programme: Scientific background to your proposal

Please use the space below to give details of the scientific aims and objectives of the project. Please describe in full the purpose of the study and why it is important. You should place the study in the wider scientific context, and cite related work from the published literature. Make sure you provide adequate justification for how field spectroscopy will contribute to your research. Details of how the science you intend to undertake will contribute to scientific knowledge, and how it will fit with the aims of the NERC Strategy "*Science for a Sustainable Future*" should also be included. If your research will be conducted overseas you should provide justification for taking the equipment abroad.

Science Case:

14. Research Programme: Proposed Methodology

Please use the space below to provide details of the project methodology. This section should include details of how data will be **collected** and **analysed**, how the spectral data will contribute to the project and whether the spectral data will be related to other parameters (and if so what other parameters)

Methodology:

15. Your publication record

Please provide details of your publication record from the past five years in the space provided below. All publications are important, including conference proceedings, reports and poster papers. Those articles which are not directly related to remote sensing or field spectroscopy should also be listed. Please use the additional sheet at the back of the application form if you require more space.

Publication Record:

16. What output is expected from the research? (Please indicate time scale)

17. Declaration

Note. NERC FSF recommends, and in some cases requires, that FSF equipment be insured for 'all risks' for the duration of the loan. The duration of the loan is from receipt of equipment by the applicant until its return to FSF in Edinburgh, this includes during transportation

I have read and agree to abide by the Conditions of Loan.

Signature of Applicant _____ Date _____

Signature of Head of Department _____ Date _____
or Institute Director

18. Please use the additional space provided for adding further information you feel may support your application

Further information: