

Microtops sun photometer	5 channels	<input type="checkbox"/>	Underwater absorption/attenuation/CTD	<input type="checkbox"/>
Midac FTIR spectrometer	5000 - 700 cm ⁻¹ (2.0 - 14.5 μm)	<input type="checkbox"/>	Underwater rad/irrad. & surface irrad.	<input type="checkbox"/>
Wetlabs AC-S	400-730nm	<input type="checkbox"/>	Aerosols	<input type="checkbox"/>
Hyper OCR radiometers	350-950nm	<input type="checkbox"/>	FTIR Gas analysis	<input type="checkbox"/>
Diving PAM		<input type="checkbox"/>	FTIR ground radiance/emissivity	<input type="checkbox"/>
2D MaxDOAS		<input type="checkbox"/>	Fluorescence	<input type="checkbox"/>
Other (please describe)				
Field Spectroscopy Accessories - Please Specify:				<input type="checkbox"/>

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)

First Preference:

Second Preference:

6. Research Project Title and Personnel (Academics and Students, both UK and International)

7. Proposed site(s) Please provide **place name** and **map hyperlink**. If travelling to a site location, please provide details on how your travel arrangements will conform to the sustainability policies of your institution.

8. 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**)
below)

NERC other
(specify in section **c**)

Other academic
(please specify below)

Other
(please specify

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.

9. Science areas

a. Please indicate which of the following NERC Science Themes (<https://www.ukri.org/councils/nerc/remit-programmes-and-priorities/>) is the most fitting for your application.

Atmospheric Physics and Chemistry	<input type="checkbox"/>	Marine Environments	<input type="checkbox"/>
Climate and Climate Change	<input type="checkbox"/>	Polar Sciences	<input type="checkbox"/>
Ecology, Biodiversity, and Systematics	<input type="checkbox"/>	Science Based Archaeology	<input type="checkbox"/>
Geosciences	<input type="checkbox"/>	Terrestrial and Freshwater Environments	<input type="checkbox"/>

10. 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?

11. 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 NERC's The Business of the Environment strategy should also be included. If your research will be conducted overseas you should provide justification for taking the equipment abroad.

12. 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)

Please tick, to confirm this proposed work has undergone ethics approval at your home institute. Note that FSF adheres to the UKRI's Preventing harm (safeguarding) in research and innovation policy ([policy information](#)) and it is a [loan condition](#) that the receiving institution has similar safeguards in place.

13. 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.

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

15. 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

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

A large, empty rectangular box with a thin black border, intended for providing additional information to support the application.