European Mountain lake Ecosystems: Regionalisation, diaGnostics & socio-economic Evaluation

EMERGE

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SCPs

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EMERGE PROTOCOLS: SCPs Neil Rose

1. Top and bottom sediments from lake districts.

- From all lake district sites in 12 districts.
- 0.2g dried sediment to be sent from top (0 0.5cm) and bottom samples in separate bags see sediment protocols regarding bottom samples.
- Samples should be dried such that they cannot be contaminated e.g. freeze dried or in a drying cabinet in a clean laboratory
- Bags to be clearly labelled with site name (or code) and sediment depth.
- All samples from within a lake district should be sent at the same time.
- Send samples within 2 weeks of completing sampling.

2. Sediment cores

- Full cores from Romania, Bulgaria only. Bulked samples from Redo and Ladove (see sediment coring protocol).
- 0.2g **dried** sediment to be sent from every level. Each sample in a separate bag.
- Bags to be clearly labelled with site name (or code) and sediment depth.
- % water content and wet density data for the sediment core to be sent with the samples.

3. Sediment traps

- From WP3 sites (3 x high frequency- Redo, GKS, Paione; 3 x low frequency Lochnagar, Ladove, Redo)
- If possible 0.1 0.2g of each trap sample to be sent **dried not filtered**. Each sample should be placed in a separate bag.
- Bags to be clearly labelled with site name (or code), depth of trap and sampling interval.
- Along with the samples send a data sheet as follows:

Site	Site	Trap	Start	End	Trap	Total dried
Name	Code	Depth	Date	Date	Area	sediment
Round Loch	SCOT1	15m	4/9/2000	18/9/2000	200 cm^2	5.639g
Round Loch	SCOT1	15m	18/9/2000	2/10/2000	200 cm^2	4.937g

4. Bulk deposition samples

- From WP3 sites. Fortnightly from Lochnagar & Paione. Monthly from GKS, Redo, Ladove.
- As much volume as possible to be filtered (GF/C) for SCPs.
- During dry periods, wash the walls of the collector with deionised water and filter the washings. However, be sure to record the original volume in the collector (i.e. 0 ml for no rainfall).
- Use as small a diameter filter as possible.
- Fold each filter in half (sample inside) and place each in a seperate bag labelled with site name, 'bulk deposition' and sampling interval.
- Along with the samples send a data sheet as follows:

Site	Start	End	Colle	ctor Tot	al vol.	Filtered	Rainfall
Code	Date	Date	Area	coll	lected	volume	(mm)
SCOT1	4/9/200018/9	9/2000	200 cm^2	2500ml	2000ml	53.2	2 mm
SCOT1	18/9/2000	2/10/200	0 200 c	m^2 0 m	ıl	Washed	0 mm

5. Water column sampling

- From WP3 Redo and Ladove only.
- 4 or 10 depths; 4 times a year.

- Filter as much volume as possible (>100 litres if possible).
- Use GF/C filters. Use as small a diameter filter as possible. Use as few filters as possible.
- Along with the samples send a data sheet as follows:

Site	Site	Sample	Sample	Filtered
Name	Code	Date	Depth	Volume
Round Loch	SCOT1	4/9/2000	1m	100 litres
Round Loch	SCOT1	4/9/2000	5m	105 litres

DATA SHEETS TO ACCOMPANY SAMPLES AT ALL TIMES!!