
CHECKLIST FOR MATERIALS AND EQUIPMENT

For measuring the position of plots and of the corner points of the summit area

- ◆ a *compass* (recommended: Suunto KB-14/360)
- ◆ check the magnetic declination before starting fieldwork
- ◆ a *clinometer* (recommended: Suunto PM-5/360PC)
- ◆ two rolls *flexible measuring tapes* with 50m length
- ◆ two *flexible measuring tapes* with 3m length

Optional (in addition):

- ◆ altimeter
- ◆ Differential GPS with sub-metre accuracy
- ◆ for the supplementary *10m×10m squares* you need additional *flexible measuring tapes*: one roll of 50m (for delimitation) and one of at least 10m (for *line-pointing*)

For delimiting the 1-m² quadrats

- ◆ four sampling grids of 3m×3m with 1m×1m cell size (per *target region*; see Fig. A1.1 in Annex I).
- ◆ about hundred pieces of ordinary 100 mm nails
- ◆ thin wire
- ◆ adhesive tapes (for repairing grids)

For delimiting the summit area sections

- ◆ two rolls of thin string, each with about 500m length; can be shorter for steeper summits
- ◆ four rolls of the same type of string, about 100m each; can be shorter for steeper summits (the colour of strings should contrast with the surface; e.g. yellow or white; check if strings are on an easy-to-handle spool)

For permanent marking

- ◆ about 80 short aluminium tubes per summit (0.8 to 1cm in diameter, in various lengths between 10 and 25cm) or other appropriate material
- ◆ durable white or yellow paint (as an alternative to the aluminium tubes)
- ◆ a small chisel (or cold cutter)

For photo documentation

- ◆ a high-resolution digital camera with wide-angle to normal focal length
- ◆ Memory cards (e.g. SD cards)
- ◆ a small blackboard (e.g. 15×20cm)
- ◆ chalk and a small sponge or something else to clean the blackboard
- ◆ a signal stick or rod (1.5 - 2m) to mark the SAS corner points while taking photographs

For the recording procedures

- ◆ sampling forms in a sufficient number of copies (see Annex II). The minimum needed for a *target region* field campaign: 1× **Form 0**, 4× **Form 1**, 64× **Form 2**, 32× **Form 3**, 4× **Form 4** (if optional methods are applied: 64× **Form 5-S**, 16× **Form 6-S**); bring spare forms.
- ◆ writing material (including pencil for rainy conditions)
- ◆ *compass* (as above)
- ◆ *clinometer* (as above)
- ◆ transparent templates for cover estimations (see Fig. A1.3a & b in Annex I)
- ◆ wooden (or aluminium) *pointing frame* of 1m×1m inner width (see Fig. A1.2 in Annex I) for *pointing with a grid frame*; if optional methods are applied: a *frequency grid frame* (Fig. 5.1) for *subplot-frequency counts*
- ◆ *sampling pin* of 2mm diameter for pointing methods (e.g. a thin knitting needle)

For temperature measurements

- ◆ Sixteen miniature *temperature data loggers* (preferably GeoPrecision Mlog-5W), i.e. four for each summit (see chapter 4.3.2), watch, gardening trowel, for data readout: laptop, dongle (wireless interface).