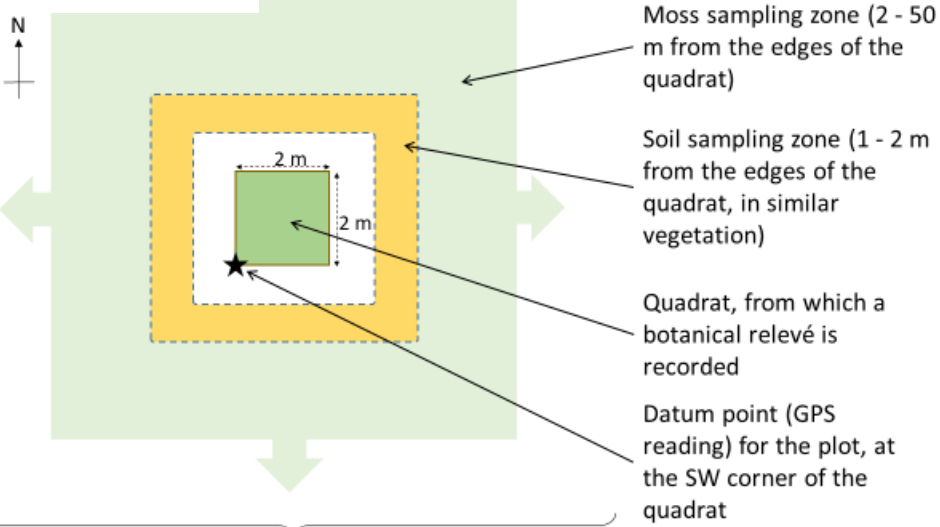


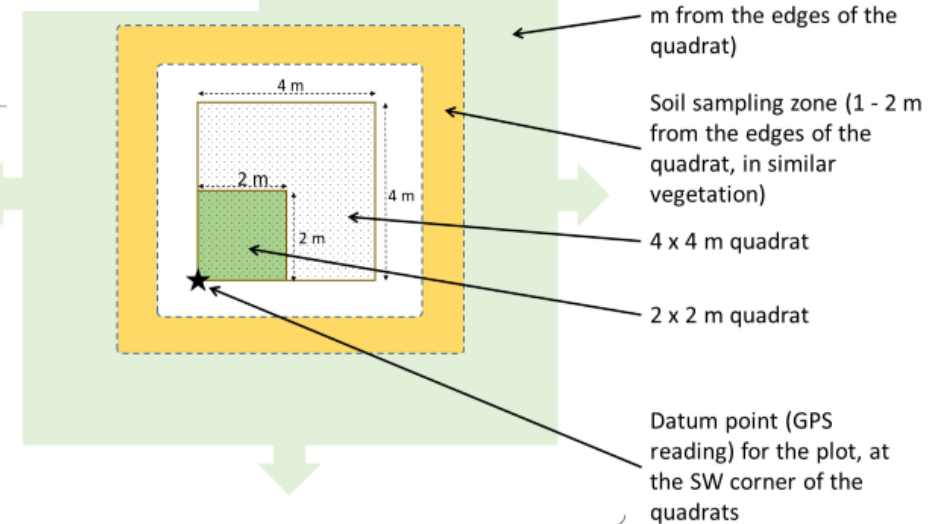
Plot layout for grasslands and heaths

For plot placement: see SOP1



One "Plot"

Plot layout for bogs

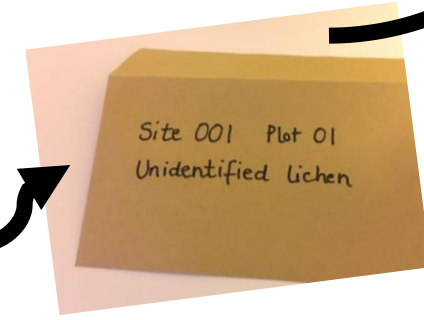


One "Plot"

Field Guide to Botanical Surveying for the NEMN

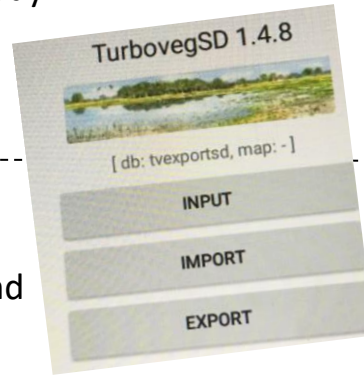
Before field work:

- You need normal botanical survey equipment. See SOP1 for plot marking equipment.
- Make sure to bring sample bags for mosses and lichens.
- Make sure you have the database set up in Turboveg and imported to your device.



After field work:

- Air dry moss and lichen specimens if storing
- ID specimens or send to specialists for ID.
- NEMN doesn't need these ID specimens.
- Export data to a computer every day



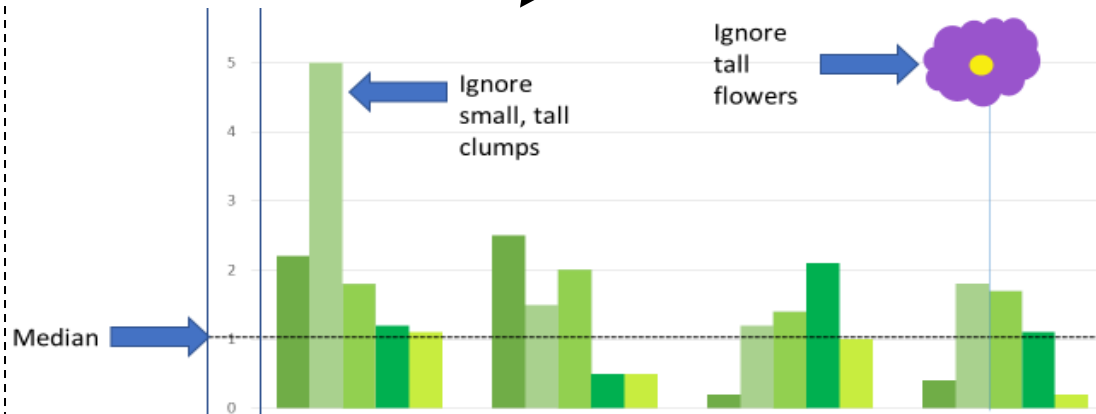
In the field:

Species data

- ID all vascular plants, bryophytes and lichens to species level
- Take specimens of mosses and lichens if in situ ID not possible
- Estimate % cover in layers

Header data

- Total % cover for mosses and lichens is important
- Photograph the plot from above
- Median vegetation height



For more details see 'National Ecosystems Monitoring Network Standard Operating Procedure 02 For Botanical Survey' Contact: <https://nemn.ucd.ie/contact/>

Plot header data fields

Field	Example	Comments
NEMN_SITE_CODE	N001	Comes with site list
NEMN_PLOT_NR	001	
DATE	yyyymmdd	
COVERSCALE	% cover	Shouldn't change but needs to be included.
QUAD_DIMS	2 x 2	Size of quadrat in metres
AUT_NAME	A Other	Name of surveyor
QUAD_PHOTO	Y/N	Reminder to take a photo of the vegetation in the quadrat
X_COORD	587654	ITM grid reference (metres)
Y_COORD	492145	ITM grid reference (metres)

COV_TOTAL	000	Percentage cover in layers, matching the layers used in species recording. COV_TOTAL is the sum of cover values for all the plant and lichen layers.
COV_TREES	000	
COV_SHRUBS	000	
COV_FORBS	000	
COV_GRAMINOIDS	000	
COV_MOSSES	000	
COV_LICHEN	000	
COV_ALGAE	000	
COV_LITTER	000	
COV_WATER	000	
COV_ROCK	000	
BARE_SOIL	000	

Field Guide to Botanical Surveying for the NEMN

HEIGHT_MEDIAN	020	Median vegetation height in cm
HAB_CHANGE	0	Has the habitat in the plot changed significantly from the original habitat it was chosen for? 1: yes, 0: no
HAB_NOW	PB3	Fossitt code for current habitat type. Complete whether or not habitat has changed. https://bit.ly/3h6GBfk
COMPLETED	1	Was the survey successfully completed? 1: yes, 0: no. If no, explain in Remarks.
FLAG	0	Is action required from anything added in Remarks? 1: yes, 0: no
REMARKS	text	Brief explanations from other fields where needed. Details of samples taken for identification.

Species data fields

Field	Format	Comments
SPECIES	select	Use Ireland species list within Turboveg
LAYER	select	Use COV_layers listed in Header data
COVER	000	Percentage

