

Project Update: June 2013

During this month our team made three individual field trips to Mt Ozren (Barice and Čavljak locality).

We investigated local flora and vegetation. During the investigation active seed sampling was performed. It must be pointed out that this period of the year was very specific, with a large amount of rainfall and surprisingly low temperatures. Nevertheless, we were able to photograph characteristic spring plants for the upcoming brochures including the endemic and endangered ones. During our first field trip on 3rd May 2013 we noticed a large amount of junk scattered around the area, which is result of the celebration of Labor Day.

For three field trips we made a summary list of found plant species:

1. *Ajuga genevensis* L.
2. *A. reptans* L.
3. *Alchemilla vulgaris* L.
4. *Aremonia agrimonioides* (L.) Neck.
5. *Asarum europaeum* L.
6. *Bellis perennis* L.
7. *Dactylorhiza sambucina* (L.) Soó
8. *Erythronium dens-canis* L.
9. *Filipendula hexapetala* Gilib.
10. *Fragaria vesca* L.
11. *Helleborus odorus* W. K.
12. *Hieracium pilosella* L.
13. *Lamium galeobdolon* (L.) Crantz
14. *Polygala comosa* Schk.
15. *P. vulgaris* L.
16. *Primula veris columnae* (Ten.) Lüdi
17. *Primula vulgaris* Huds.
18. *Ranunculus montanus* Willd.
19. *Rumex acetosella* L.
20. *Sanguisorba minor* Scop.
21. *Sanicula europaea* L.
22. *Saxifraga aizoon* Jacq.
23. *Scabiosa leucophylla* Borb.
24. *Scorzonera rosea* W. K.
25. *Symphytum tuberosum* L.
26. *Taraxacum officinale* Web.
27. *Thymus pulegioides* L.
28. *T. serpyllum* L.
29. *Trifolium montanum* L.
30. *Veratrum album* L.
31. *Veronica beccabunga* L.
32. *V. chamaedrys* L.
33. *Vicia cracca* L.
34. *Viola elegantula* Schott
35. *V. tricolor* subsp. *subalpina* Gaud.

During the third field trip some improvements regarding amount of the junk in the investigation site were noticed but at the same time some other anthropogenic impacts were observed - destruction of soil due to heavy machinery passage, probably result of farming. During this field trip we collected the first seed material and this particular field trip was conducted together with biology students (second year students). The investigated area included Barice and Čavljak on Mt. Ozren which are most effected by anthropogenic influence.

Field work with students

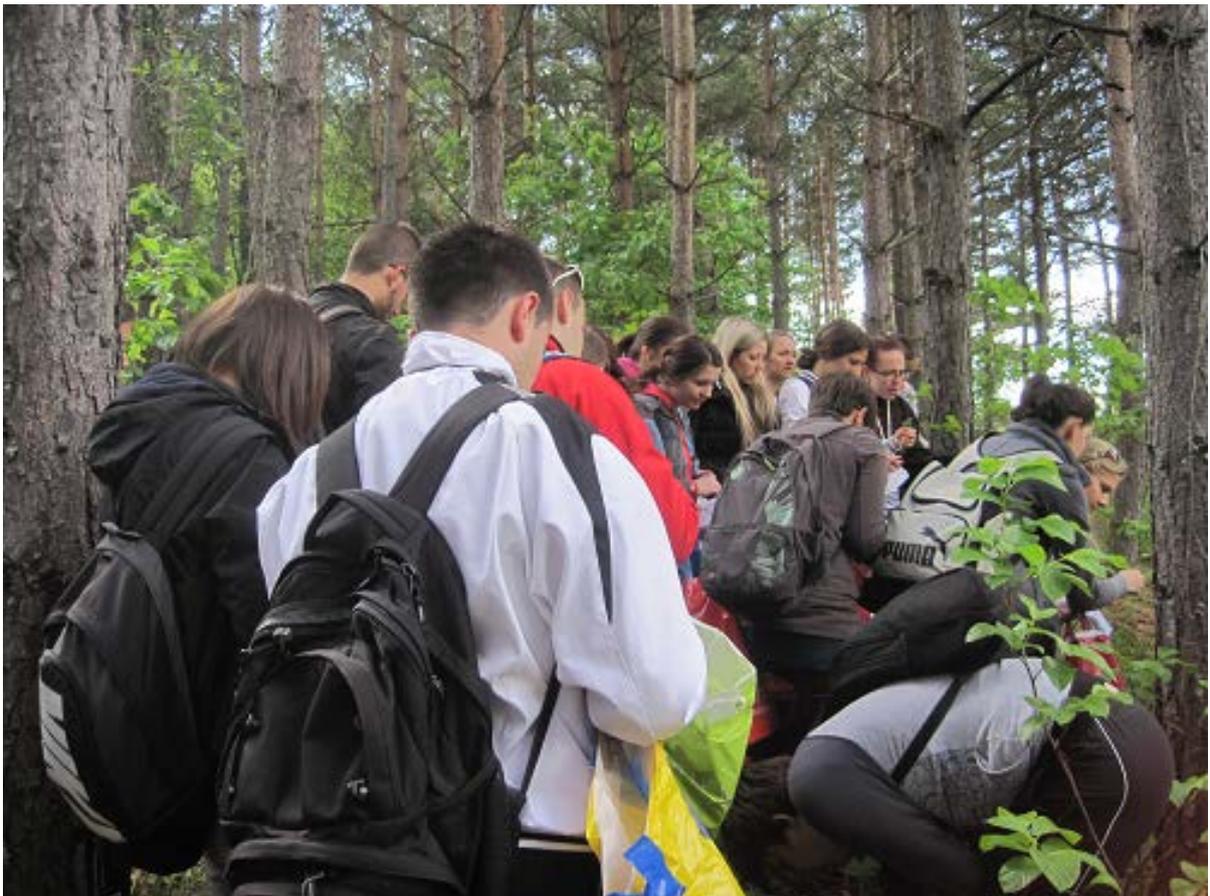
A very interesting part of our third field investigation was the inclusion of students in the project. The field trip was organized on 25th May 2013 and a large number of students took part in the field trip (89% of second year students). When we arrived at Mt Ozren we gave a short theoretical introduction, after which the students had the opportunity to directly investigate the area of interest.

Every student had the opportunity to analyse the state of the population after which we discussed possible ways of conservation and protection. After that, we collected together the seed material and showed them how to conserve and preserve seeds.

After the field trip seed was transported to the Laboratory for Research and Protection of Endemic Resources at Faculty of Natural Sciences and Mathematics.



Dactylorhiza sambucina (L.) Soó



Analysis of the anthropogenic effect on the local plant populations at investigated area by students



Left: *Anthyllis vulneraria*. Right: *Dianthus carthusianorum* L.



Left: *Viola elegantula* Schott. Right: *Trollius europaeus*.



Left: *Iris graminea* L. Right: *Edraianthus jugoslavicus* Lakušić.



Left: *Trollius europaeus* L. Middle: *Platanthera bifolia* (L.) L. C. M. Richard. Right: *Traunsteinera globosa* (L.) Reichenb.



From the left: *Silene sendtneri* Boiss.; *Orchis ustulata*; *Orchis mascula* (L.) L. & *Scilla pratensis* L.