BULGARIAN DATA
ACCOMPANYING REPORT

Assessment of ground vegetation

In order to implement the planned activities for 2011, the intensive monitoring program has been carried out at 3 sample plots – SP Vitinia, SP St. Oriahovo, and SP Yundola. In accordance with the adopted methodological approach, the size of the studied sites was increased to 40 square meters, with total survey area of 400 square meters.

- **The phytocenotical survey in SP Vitinia** was carried out in the second half of July 2011.

An increase of the average total projective cover from 66% to 71% was determined in 2011. This growth is connected with the increased cover of the common beech undergrowth by 4% and of the wooly blackberry by 4%. The species *Symphytum tuberosum* and *Myosotis sylvatica* disappeared from the composition of the plant community, and the species *Lathyrus vernus* and *Digitalis grandiflora* were included.

- **The phytocenotical survey in SP Staro Oriahovo** was conducted in the end second half of July 2011.

The total average cover was retained. A trend for increased cover of the *Quercus dalechampii* and *Brachypodium sylvaticum* by about 1 % and of *Dactylis glomerata* by about 4 % was determined in the area of the shrub-grass synusia. The species *Alliaria petiolata* and *Cardamine bulbifera* disappeared from the composition of the plant community, and the species *Clinopodium vulgare* and *Sorbus torminalis* were included.

- **The phytocenotical survey in SP Yundola** was carried out in the end second half of July 2011.

The total average cover was retained, as a trend for decreased average cover of the *Norway spruce* by 3%, combined with 10% increased occurrence, was determined in the area of the shrub-grass synusia. An increase of the quantitative participation of *Millium effusum*, *Luzula sylvatica* and *Luzula forsteri* was determined in the group of wheat and sour grasses. A trend for increased quantitative participation of the

species *Oxalis acetosella*, *Pulmonaria rubra* and *Soldanella rhodopea* was established in the group of miscellaneous herbs; for the species *Moehringia pendula* and *Geranium robertianum* a tendency for decrease was determined. The species *Viola riviniana* and *Veronica officinalis* disappeared from the composition of the plant community.