

## SUMMARY

### **New locality of *Liparis loeselii* (L.) RICH. in the city of Krakow in regard to the species distribution in the south-western Poland**

A new locality of the rare orchid species *Liparis loeselii* has been found in June 2006 in the area of Krakow, in Kostrze meadows. The last historical records from other localities in Krakow come from the second half of 19th century. This plant and its habitat is protected and endangered in Poland as well as in Europe. It is a typical species for fens and transitional mires and can be mostly found in the young postglacial landscape in the North of Poland. 31 localities of *Liparis loeselii* have been yet discovered in uplands and Carpathian foothills in the South of Poland, 15 of them were stated in 1990-2006, including the new station.

Population in Kostrze consists of 25 specimens, which grow in a *Caricion davallianae* Klika 1934 fen community. Many of the individuals occur in depressed motorbike tracks. The area of Kostrze meadows is protected as a Landscape Park and there are plans to join it to the Natura 2000 network. The locality is likely to be endangered by expansion of the reed grass *Phragmites australis*, decrease in water table or change of land use. In order to prevent it, a project of a small sized protected area has been created - a site of ecological interest, where active protection measures are planned.