

Company: Zementwerk Leube GmbH

Location: Gartenau, Austria

Objective Protection and enlargement of the populations of

- **23 red list plant-species** (*Juncus acutiflorus*, *Scorzonera humilis*, *Genista tinctoria*, *Cirsium rivulare*, *Betonica officinalis*, *Epipactis palustris*, *Typha latifolia*, *Selinum carvifolia*, *Crepis mollis*, *Menyanthes trifoliata*, *Euphorbia verrucosa*, *Asarum europaeum* ssp. *caucasicum*, *Astrantia major*, *Dactylorhiza incarnata* ssp. *incarnata*, *Polygala amarella*, *Primula farinosa*, *Trollius europaeus*, *Viola palustris*, *Eriophorum angustifolium*, *Eriophorum latifolium*, *Gymnadenia conopsea*, *Pinguicula vulgaris*)
- **9 endangered amphibians and reptils** (*Bufo bufo*, *Rana temporaria*, *Mesotriton alpestris*, *Lissotriton vulgaris*, *Hyla arborea*, *Bombina variegata*, *Salamandra salamandra*, *Natrix natrix*, *Lacerta agilis*)
- **9 dragonflies** from which 2 are red list-species (*Ischnura pumilio*, *Erythromma viridulum*, *Libellula depressa*, *Libellula quadrimaculata*, *Aeshna cyanea*, *Coenagrion puella*, *Pyrhosoma nymphula*, *Sympetrum striolatum*, *Enallagma cyathigerum*)
- **14 grasshopper-species** from which 3 are endangered (*Conocephalus discolor*, *Corthippus dorsatus*, *Corthippus montanus*)
- **34 bee-species** from which 4 are endangered (*Lasioglossum laevigatum*, *Andrena clarkella*, *Andrena praecox*, *Bombus wurfleini*) and 1 species which is near extinction (*Chalicodoma parietina*)

Resettlement of 2 red list plant-species (*Centaurium erythraea*, *Cyperus fuscus*).



Solution The landscape management-plan includes the realisation of different types of standing water bodies, the mowing of *Molinia*-meadows and semi-natural dry grasslands and the building of special habitats for the endangered insects (for example sandheaps). In the course of the resettlement-projects, seeds of the endangered species are collected in the wild and seeded out in adequate habitats.

Result In the last 13 years the targets were reached to a great extent, all populations increased, the resettlement was very effective. The population of the bee-species *Chalicodoma parietina* is in the meantime the only known in the province of Salzburg.

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