

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 (*Centaureum erythraea*, *Cyperus fuscus*).



Solution

The landscape management-plan includes the realization 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 2018, the project was still on going. The project has been monitored over the last 20 years, to protect and maintain the biodiversity over the future decades. Over the last years, the population and number of species of butterflies and dragonflies have increased thanks to the activities carried out by Zementwerk Leube. The population of the bee-species *Chalicodoma parietina* is in the meantime the only known in the province of Salzburg.

Partners

Institut für Ökologie
Haus der Natur Salzburg