

### **Project Update: August 2013**

Our team have returned from Tajikistan, visiting and checking localities of all 10 endemic and endangered Umbelliferae species included in our programme. We worked in Dushanbe territory (valley of Sarda-i Miona), Khatlon province (vill.Bog, Parkhar-Pjandzh pass, gorge Khozreticho, valley of Obichingou, north and south sides of Khabaribad pass) and different localities in Tajik Badachschan, mainly in the Pjandzh River valley. We revealed the distribution of local plant populations, approximate number of individual plants in populations, determined population size and examined the existence of previously known populations. We produced a lot of photos of rare plants and their habitats. Some updating work is prolonging by Dr. Dovutsho Navruzshoev in Tajik Badachschan. Revealed status of protected species is considerably different.

It is needed to note that the application of all the IUCN recommendations for plant population estimation in Tajikistan (and similar territories with high mountains and deep valleys) needs some modification. For instance, the recommendation to count the adult plants only, being probably adequate for animals, is not completely adequate for plants, especially monocarpic, as some *Ferula* species, due to drastic changes in proportion of young, adult and generative plants in the same population at different years. 2013 was rather difficult for observation because the blooming of some monocarpic species was very sporadic.