



«Actions to protect, conserve and promote biodiversity. Field studies of endemic, endangered and nationally important species of Greece». Funded by the Natural Environment and Climate Change Agency (NECCA)

TITLE

Inventory and evaluation of the conservation status of the narrow endemic species *Centaurea pangaea*

(Project ID: 14763)

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ABSTRACT

Centaurea is the most species-rich genus in Greece, with numerous taxa that are endemics. A significant number of them is being listed in the Red Data Book of the Rare and Threatened Plants of Greece demonstrating their narrow distribution and, in many cases, their small population size. *Centaurea pangaea* is a narrow endemic species occurring on Mt. Pangeon (NE Greece), which was not included in the Red Data Book because, after its description, all the attempts to confirm its presence on the mountain failed. Thus, the main aim of the proposed project is to record and map the population of *Centaurea pangaea* on Mount Pangeon, and to map the distribution of its individuals within the population. Moreover, we will estimate its reproductive potential, and we will perform a detailed morphometric analysis of the plant parts for taxonomic purposes. The reproductive potential of *C. pangaea* will be estimated by performing seed viability and germination testing. All the data and information obtained through field surveys and laboratory work, will then be used to evaluate its conservation status by applying the latest Red List criteria of the International Union for the Conservation of Nature. Moreover, by identifying threats to its population and habitat, management measures will be proposed that will help local authorities to effectively conserve the studied species in situ.
