



HELLENIC REPUBLIC  
**National and Kapodistrian  
University of Athens**  
— EST. 1837 —

Royal  
Botanic  
Gardens **Kew**

NKUA  
Seed  
Bank



MILLENNIUM  
SEED BANK  
PARTNERSHIP

# Conserving the Flora of the Balkans: Native Plants of Greece

## Report for the Millennium Seed Bank Project Partnership, Royal Botanic Gardens, Kew

*Project Period Covered By This Report*

Year: (2)

From: **20/02/2023 – 30/09/2023**

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Prepared by:

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## 1.0 Project Overview

### 1.1 The NKUA Team

Costas A. Thanos, Professor Emeritus	Team Leader
Aikaterina Stefi, Biologist BSc, PhD, Research Associate	Lab Manager
Aikaterini Koutsovoulou, Biologist BSc, PhD, Researcher	Leader of Germination & Storage
Apostolos Kaltsis, Biologist BSc, MSc, Researcher	Leader of Seed Collecting & Data
Spyridon Oikonomidis, Biologist BSc, PhD Cand., Res Assoc	Senior Collector, Student Researcher
Aikaterini Goula, Biologist BSc, PhD Candidate	Taxonomist
Konstantina Mitsigiorgi, Biologist BSc, PhD Student	Field and Lab associate
Sofoklis Mouratidis, Biologist BSc, MSc Student	Field and Lab associate
Anna Maranti, Biologist BSc. (only in the 1 <sup>st</sup> year)	Field and Lab associate
Nikolaos Katsikis, Biology Student	Field and Lab associate
Konstantinos Maramathas, Biology Student	Field and Lab associate
Maria Chalikiopoulou, Biology Student	Field and Lab associate
Anna Boziki, Biology Student	Field and Lab associate
Fermele Bashari, Biology Student	Field and Lab associate
Fotini Tsigeli, Biology Student (2 <sup>nd</sup> year)	Field and Lab associate
Katerina Dimitriou, Biology Student (2 <sup>nd</sup> year)	Field and Lab associate
Alexandros Panagiotakis, Biology Student (2 <sup>nd</sup> year)	Field and Lab associate

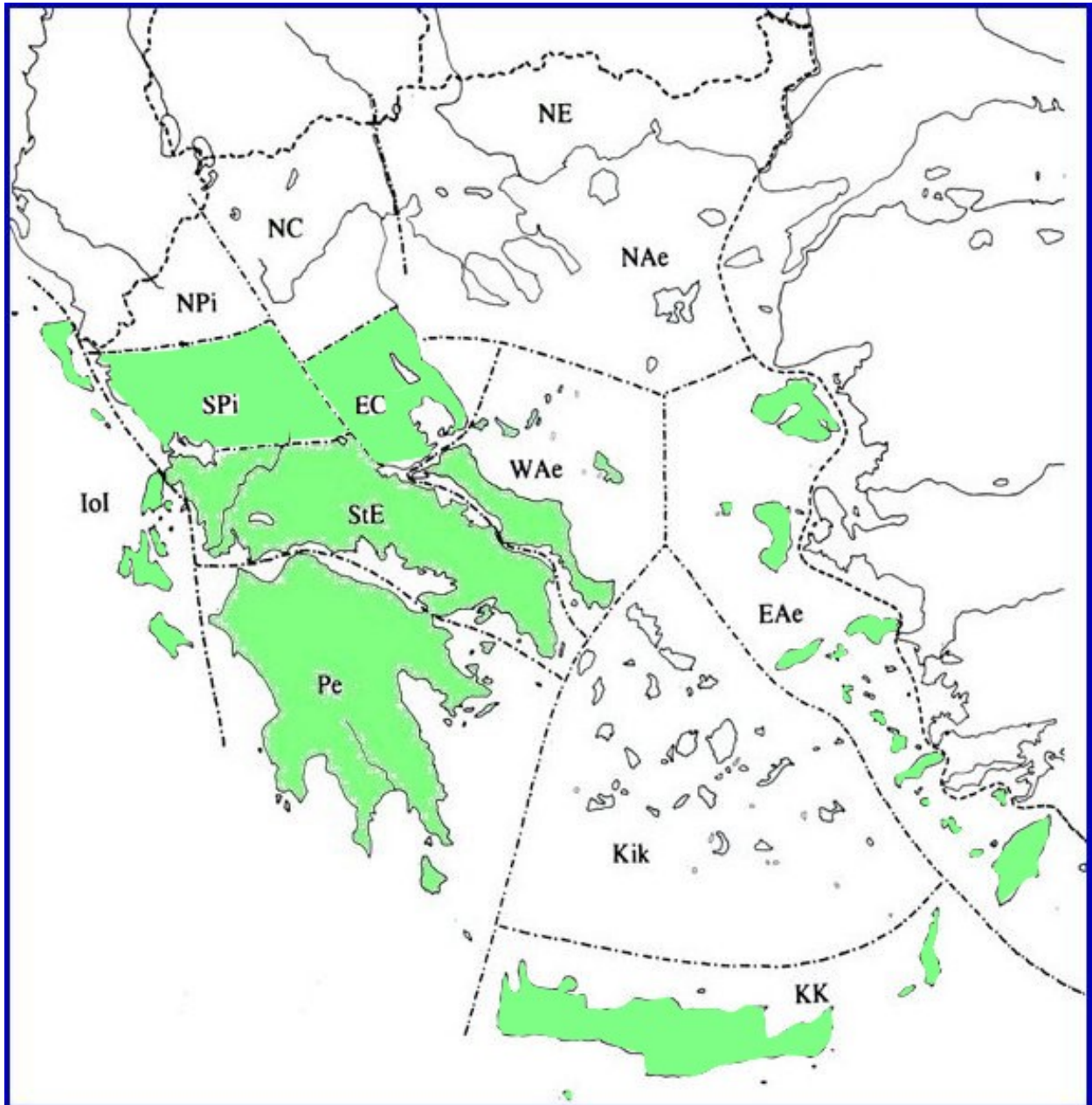
### 1.2 The main goals of the Project

The Project is a collaboration of the Millennium Seed Bank of RBG Kew and the NKUA Seed Bank within the framework of MSB Partnership and with the highly appreciated funding from several sponsors (The A.G. Leventis Foundation, Players of People's Postcode Lottery, Linde, The Steel Charitable Trust & Navarino).

The main goals of the Project are:

- 1. Ex situ Conservation.** Seed collections of 160 species from mainland Greece including a third of all accessible ENSCONET Consortium target species in southern mainland Greece (30% of the species). At least 25% of the collected species will be Greek endemics. All collections will be duplicated to the MSB, associated vouchers will be lodged at Kew's herbarium, and the data will be made available through MSBP Data Warehouse.
- 2. Training and capacity building for NKUA** staff and students in seed collecting, processing and banking. In addition, research training in germination testing to MSB standards will be provided to the visiting PhD student at the MSB.
- 3. Research into germination** of collected species to support ex situ and in situ conservation of 160 native plant species from Greece's mainland. Research will be undertaken by a PhD student to investigate storage and germination of Greek Orchidaceae species. Methodology will follow ENSCONET guidelines.
- 4. Sharing and dissemination of project learning.** Seed collection data and germination protocols accessible through MSBP Data Warehouse and made public after publication

by NKUA or within three years of project end. Opportunities sought to disseminate project learning through the ENSCONET Consortium, regional conferences, MSBP's Samara newsletter, and Kew's social networks. Seedlings supplied to Kew's nursery staff to support future dissemination work through planting beds and public engagement signs.



**Map 1.** The 13 floristic regions of Greece. Shown with green colour: Peloponnese (Pe), Central Greece (Sterea Ellas, StE), Ionian Islands (IoI), South Pindos (SPi), East Central (EC), West Aegean Islands (WAE), East Aegean Islands (EAe) and Crete-Karpathos (KK); these are the eight (8) regions where seed collections took place (so far) during the second year of the Project.

## 2.0 Achievements

### 2.1. Seed Collections

During the period Feb. 20 till Sep. 30, 2023 we have collected seeds from 145 confirmed taxa and in addition, 17 collections not yet fully identified. We are confident that we have already achieved the accumulated goal of 330 seed collections and the 83 target mark for Greek endemics. It must be noted that apart from the unidentified yet collections, we will continue collecting during autumn and winter (small number of collections expected, of course).

[Note: 187 seed collections of 2022 (61 of them Greek endemics) were delivered to the MSB in two dispatches, in January and July, 2023.]

**Table 1.** Collections realised till Sep. 30, 2023.

Collections	Actual <i>(collections made up to reporting date)</i>	Target <i>(this year)</i>	Total Actual <i>(cumulative)</i>	Total Target <i>(for the length of the project – if funded for 3 years)</i>
Number of Collections	145	160	332 (1 <sup>sty</sup> : 187)	500
Number of Species	145	160	332 (1 <sup>sty</sup> : 187)	500
Number of Species New to MSB	115/92 (Greece/Global)	130 (flexible target)	240/197 (1 <sup>sty</sup> : 135/105) (Greece/Global)	400 (flexible)
Number of Greek endemics	33	40	94 (1 <sup>sty</sup> : 61)	125
ENSCONET Priority Species	6	9	10 (1 <sup>sty</sup> : 4)	All accessible targets (30)

The full list of the taxa collected (mostly under the guidance of the senior collectors Mr Apostolos Kaltsis and Mr Spyros Oikonomidis) is given in **Appendix 1**.

The list of field trips (a total of 31 from Feb. 20 to Sep. 30, 2023) is shown in **Appendix 2**.

### 2.2. Significant taxa collected

- *Consolida samia*: A narrow endemic species of Greece, occurring only in a single, small population in the SW screes of Mt Kerketefs (Samos Isl.) and considered a 'lost species' until now. The plant is characterised as CR by the IUCN and we rediscovered

it in its locus classicus, 61 years after its first collection and characterization as a new species to Science. See our reports in the Project website [here](#) and [here](#).

- *Allium calamarophilon*: Also a 'lost species' and a narrow endemic of Greece (Euboea Isl.), currently characterised as CR by the IUCN. Its single population is found in steep cliffs by the sea but we additionally found it in the neighboring inland area. A report about its rediscovery will be posted in the Project website soon.
- *Polygala helenae*: Endemic of Greece (only in Cythera Isl.), currently characterised as CR by the IUCN. Its populations are small and fragmented. The species is mainly threatened by habitat loss and grazing but we managed to make a sizeable collection this year. The seeds are very impressive and bear an elaiosome for ant dispersal; as a reason of that we almost lost our seed accession (left to dry on the lab) by an ant raid! Fortunately, we managed to recover most seeds from the thieves! See the report in our website [here](#).
- *Saponaria jagelii*: Endemic of Greece, currently characterised as CR by the IUCN. It was growing only in two small populations on the island of Elafonisos, very close to the southeastern coast of Peloponnese but both in 2022 and 2023 we could not find any plants in the most frequented site. See our 2023 report [here](#).
- *Paeonia clusii* subsp. *rhodia*: Endemic of Greece, found only on Rhodes Island. It grows in several small and fragmented populations within pine forests. See its beautiful fruits and seeds in Fig. 7.
- We also managed to collect seeds from some other important, rare and threatened endemics, among which the following: *Teucrium halacsyanum*, *Arenaria leucadia*, *Lomelosia crenata* subsp. *dallaportae*, *Silene holzmanii*, and *Bolanthus laconicus*.

### 2.3 Herbarium vouchers

A total of 14 plant specimens have been collected and are currently under preparation as herbarium vouchers (see **Appendix 3**). As it has been explained it is very difficult to obtain proper herbarium vouchers from the majority of the taxa collected as this would mean almost doubling the field trips, which under the circumstances is not feasible, on the basis of both human resources and logistics. The accurate identification of the taxa collected will be certified by our taxonomist (Ms Katerina Goula) with the use of all relevant plant material and information available.

### 2.4 Handling of Seed Accessions

The large majority of the seed accessions (more than 100 out of the 162) have already been dried, cleaned and weighed (under the guidance of Dr Katerina Stefi), but we do not have yet an estimate of the total number of seeds collected per accession.

## **2.5 Training the next generation of seed conservation scientists**

The Workshop 'Seed Conservation Techniques Course' (6 to 10 June, 2022) jointly organised by RBG Kew and NKUA gave the opportunity to several trainees (among them 8 students in their last, 4<sup>th</sup> year of studies for the Biology BSc Degree) to both familiarise with ex situ plant conservation and to get practically trained in various aspects of seed curation. Almost all of them have continued assisting in the Project throughout the 2<sup>nd</sup> year and 3 of them were recruited as Diploma Thesis students (a 2-semester experimental 'course'), studying seed germination ecophysiology of several seed accessions, each. Currently, they have all finished with their experimental work and are about to present their Thesis. In the meantime, we have recruited an extra 3 students, also at their final year of studies - one of them as a Diploma Thesis student for the academic year 2023-24).

## **2.5 The Project Website**

The development of the website, assigned to our junior colleagues Mr Spyros Oikonomidis and Mr Sofoklis Mouratidis was eventually finalised by November 2022 and the site was thereafter launched (press [here](#)). The website hosts 5 modules (About us – Activities – Deliverables – Resources – News) and is regularly updated with news and material produced during the Project operation.

## **2.6 Seed Viability/Germination Assessments and Long-Term Storage**

Protocols and procedures for the assessment of seed viability and germinability for all seed accessions (to be collected during the Project implementation) have already been agreed and elaborated, under the guidance of Dr Katerina Koutsovoulou. All seed accessions have been tested in several experiments under various, targeted conditions according to the bibliographic data and all available information with the aim to minimise the number of seeds used for the seed lot assessment (see **Appendix 4**). At a later stage and upon the completion of the germination tests, we proceeded with dividing the accessions and, on the one hand, preparing the seed packages (already 187 seed accessions delivered to MSB) and, on the other, placing seed accessions under long-term storage at the NKUA Seed Bank.

## **2.7 Research on Orchid Seeds and Preparations for the 2<sup>nd</sup> visit of the PhD student to MSB**

Mr Spyros Oikonomidis is now in the final year of his PhD Thesis; he is quite active in pursuing his research on seed biology of the Greek orchids and his first visit to the MSB (early 2023) proved particularly successful (see the report at the Project website [here](#)). A

second visit to MSB and a common research plan (with the use of MSB-stored orchid seeds) are currently organized for December 2023.

## **2.8 Equipment procured, or in progress**

We have bought a number of precision sieves and together with our previously existing ones, we have now an almost complete set of 11 sieves. We also managed to buy numerous air- and water-proof glass jars of various sizes for the long term storage of seeds.

For our drying room (kept at a constant temperature of 16-17 °C) we bought a 20L dehumidifier and the relative humidity of the room is always between 40 and 45%, while inside the drying chambers, RH is kept between 15 and 20% with the use of a routinely replaced supply of silica gel.

We installed a wifi network and with the use of tailored software we have connected all our temperature and RH loggers, constantly recording temperature and relative humidity in our rooms, drying cabinets and germination chambers.

We have repaired one germination chamber and our fully operating set is composed by 7 chambers, all set at different constant or daily alternating temperatures. We have also added wifi-controlled LED strips to 3 of them and now all chambers have lighting capacity.

Recently we bought a 3<sup>rd</sup> freezer (325 L of useful volume) which is currently operating constantly at -20 °C and thus the storage capacity of our Seed Bank has been substantially increased.

Finally, we received with gratitude a used dryer/incubator, as a kind donation by RGB, Kew, and we have installed it in our drying room.

### 3.0 Images with Captions



**Figure 1.** Selection #I of plants collected. From top to bottom and left to right: 1) *Teucrium halacsyanum*, 2) *Asphodelus fistulosus*, 3) *Campanula drabifolia*, 4) *Arenaria leucadia*, 5) *Saponaria calabrica*, 6) *Tragopogon porrifolius*, 7) *Muscari pulchellum*, 8) *Silene colorata*, 9) *Crocus cancellatus* subsp. *mazziaricus* (©Spyros Oikonomidis & NKUA Seed Bank).





**Figure 2.** Selection #II of plants collected. From top to bottom and left to right: 1) *Putoria calabrica*, 2) *Lomelosia crenata* subsp. *Dallaportae*, 3) *Sedum urvileii*, 4) *Scabiosa tenuis*, 5) *Hypericum empetrifolium*, 6) *Dianthus biflorus*, 7) *Bolanthus graecus*, 8) *Ruta graveolens*, 9) *Bellardia trixago* (©Spyros Oikonomidis & NKUA Seed Bank).



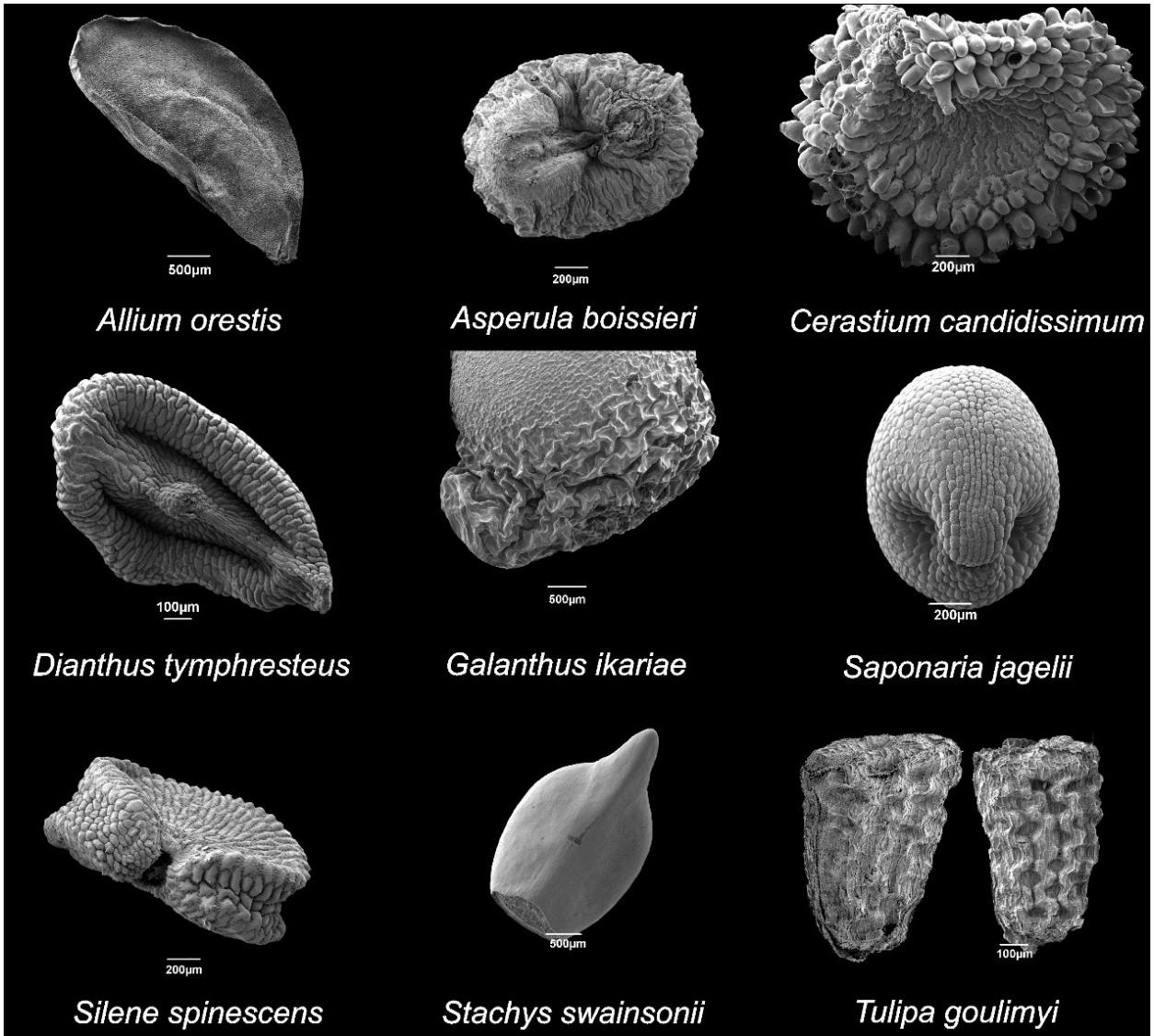
**Figure 3.** Selection #III of plants collected. From top to bottom and left to right: 1) *Neotinea maculate*, 2) *Reseda alba*, 3) *Onosma stridii*, 4) *Salvia verbenaca*, 5) *Petrorhagia thessala*, 6) *Epipactis microphylla*, 7) *Campanula spruneriana* subsp. *Spruneriana*, 8) *Armeria canescens*, 9) *Glaucium flavum* (©Spyros Oikonomidis & NKUA Seed Bank).



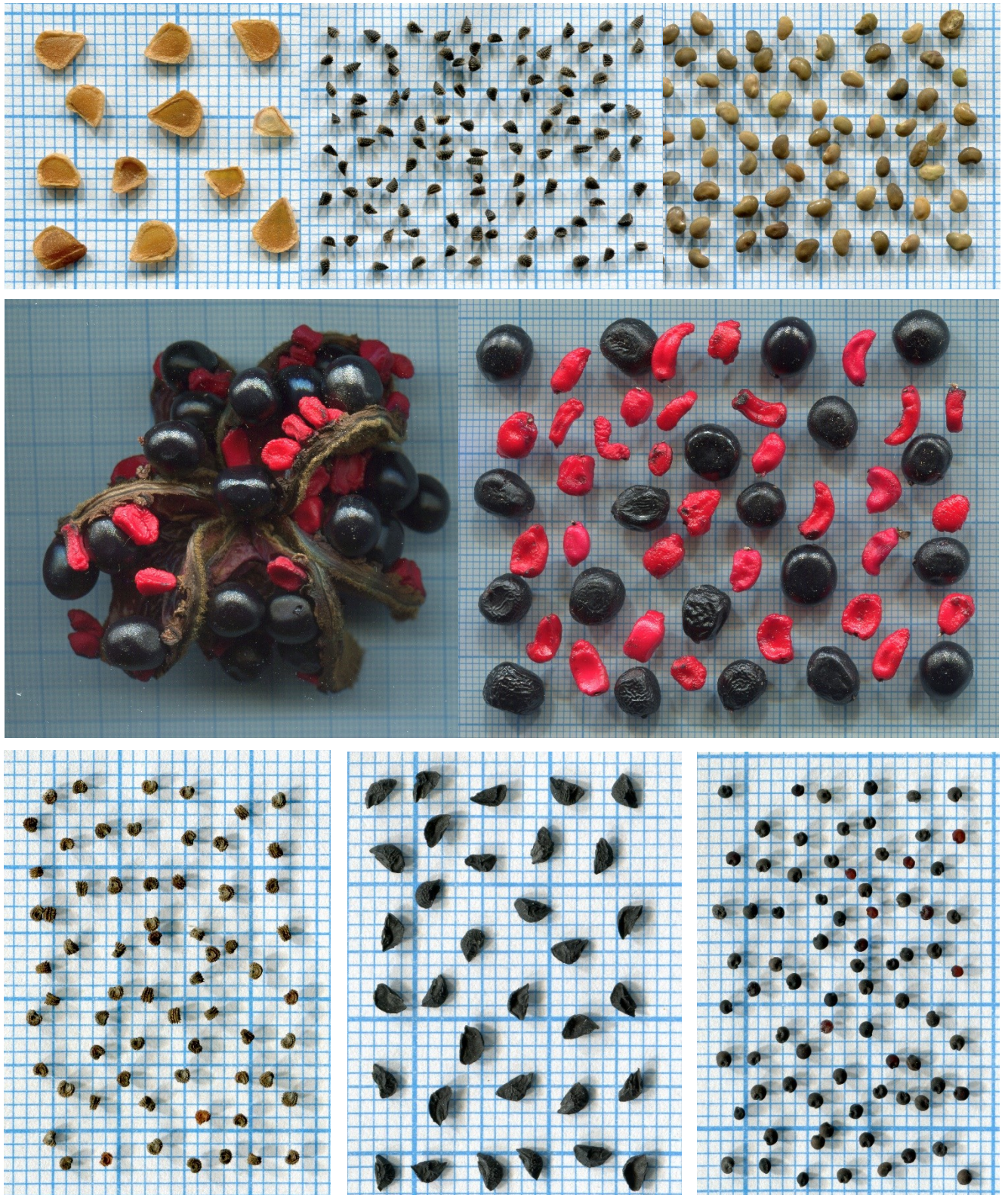
**Figure 4.** Selection #IV of plants collected. From top to bottom and left to right: 1) *Serapias lingua*, 2) *Veronica oetaea*, 3) *Cerinthe minor*, 4) *Bolanthus laconicus*, 5) *Euphorbia acanthothamnus*, 6) *Cerastium candidissimum*, 7) *Lavandula stoechas* subsp. *Stoechas*, 8) *Biscutella didyma*, 9) *Campanula cymaea* (©Spyros Oikonomidis & NKUA Seed Bank).



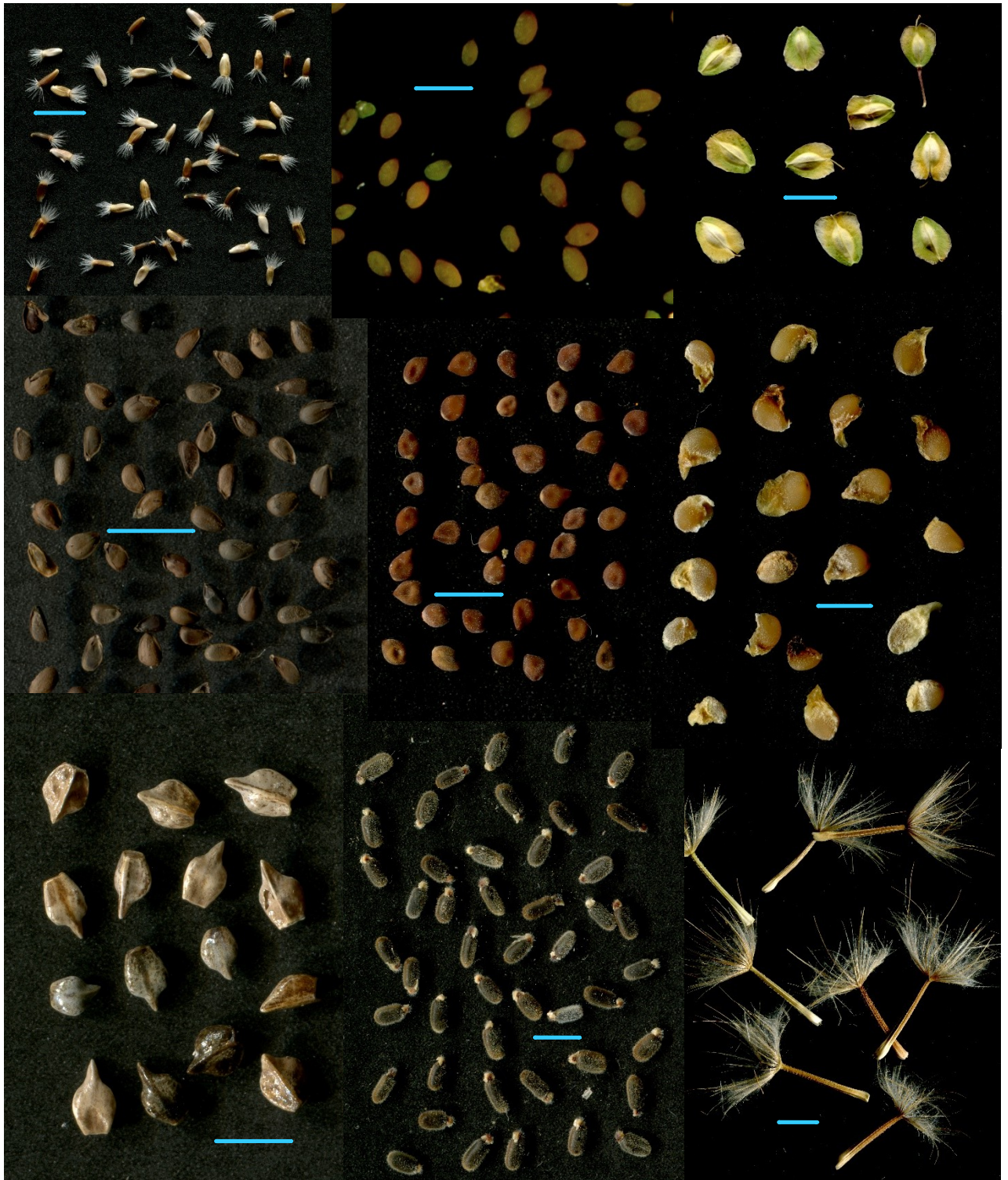
**Figure 5.** Selection of orchid seeds, photographed under a stereomicroscope. From top to bottom and left to right: 1) *Ophrys helenae*, 2) *Neotinea maculate*, 3) *Neotinea lactea*, 4) *Limodorum abortivum*, 5) *Himantoglossum robertianum*, 6) *Epipactis microphylla*, 7) *Epipactis helleborine* subsp. *Helleborine*, 8) *Dactylorhiza saccifera* subsp. *Saccifera*, 9) *Cephalanthera damasonium* (©Spyros Oikonomidis & NKUA Seed Bank).



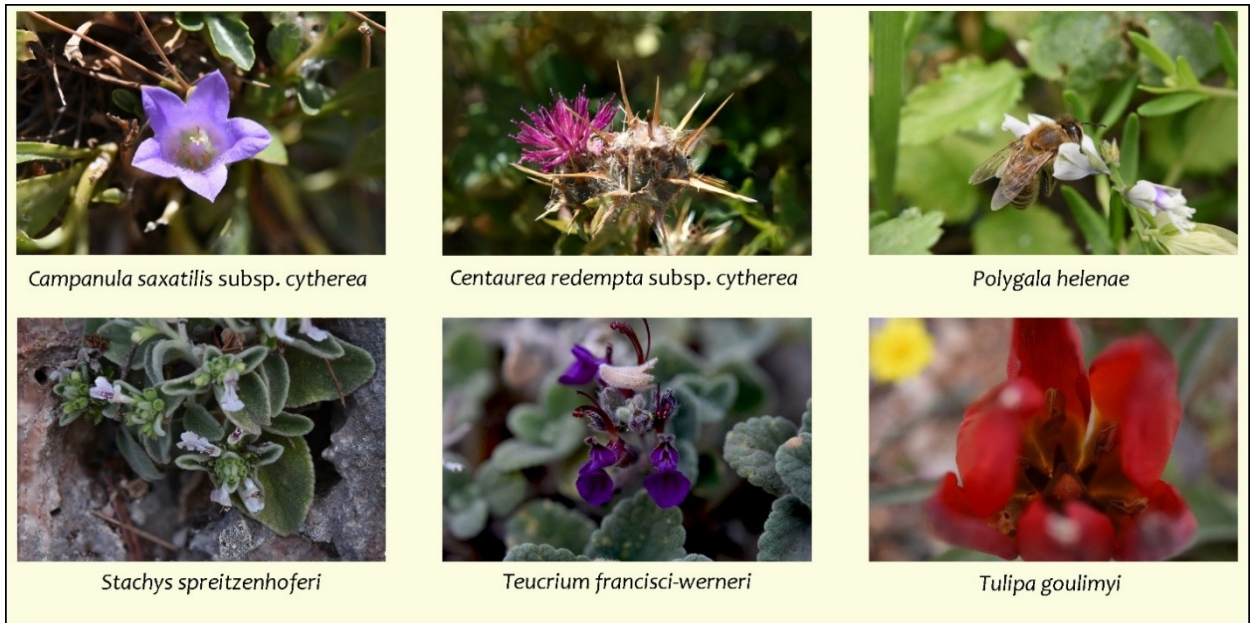
**Figure 6.** Scanning electron micrographs of the seeds of 9 Greek endemic species, after coating with gold (©Aikaterina L. Stefi & NKUA Seed Bank).



**Figure 7.** Selection #I of scanned seeds of 8 Greek endemics. From top to bottom and left to right: 1) *Fritillaria rhodia*, 2) *Consolida samia*, 3) *Onobrychis ebenoides*, 4-5) *Paeonia clusii* subsp. *rhodia*, mature dehisced fruits (left) – fertile (black) and infertile/‘lure’ (red) seeds (right), 6) *Silene holzmannii*, 7) *Allium calamarophilum*, 8) *Muscari pulchellum*, 8) *Saponaria jagelii* (©Costas A. Thanos & NKUA Seed Bank).



**Figure 8.** Selection #II of scanned seeds of 9 Greek endemics. From top to bottom and left to right: 1) *Centaurea attica* subsp. *attica*, 2) *Veronica oetaea*, 3) *Aethionema retsina*, 4) *Tulipa orientalis*, 5) *Linum leucanthum*, 6) *Galanthus ikariae*, 7) *Onosma stridii*, 8) *Polygala helenae*, 9) *Scorzonera crocifolia*. The blue bar corresponds to 5 mm [1 mm in *Veronica oetaea*]. (©Costas A. Thanos & NKUA Seed Bank).



**Figure 9.** Important plants from Cythera Island. The 3 plants on top are Cytherian endemics, the other 3 (bottom) are Greek endemics (© Aikaterina L. Stefi & NKUA Seed Bank).



**Figure 10.** Cleaning seed accessions by the Project team with the use of various sieves, needles, forceps and the Agriculex aspirator (©Aikaterina L. Stefi & NKUA Seed Bank).



## 4.0 Project Challenges

Overall, the Project implementation has been relatively smooth on all scientific, administrative and financial grounds. However, we have faced some difficulties and challenges, which we briefly present below.

1. The weather throughout 2023 has been quite erratic and much more unpredictable than in previous years/decades. The season started warmer than usual in late winter – early spring but the following months (including June which was also much wetter) were relatively cooler to be followed by an extremely hot July, deviating by more than 2.5 °C from the average of the previous decade. These temperature fluctuations had obvious impacts on both our predictions for the right collection times and, more importantly, the reproductive success of the plants themselves.
2. General elections were held twice in Greece (end of May and end of June) and added some pressure on our collection schedules.
3. The fire season was once more a major negative factor, particularly in July and August as Greece faced some unprecedentedly large and long megafires and thousand of smaller fire incidents throughout the country.
4. It seems that the ENSCONET Priority Species have proven much harder to target and collect than anticipated and it is clear that we are falling behind our targets. Therefore, in the 3<sup>rd</sup> year we will pay particular attention towards filling at least a part of the gap.

## 6.0 Appendices

### APPENDIX 1

Detailed List of Seed Collections carried out between Feb. 20 and Sep. 30, 2023.

#	Taxon name	Collection Number	Greek Endemic	Chorology (according to VPG)
1	<i>Acantholimon graecum</i>	20230903-AK07	NO	Balkan
2	<i>Achillea taygetea</i>	20230909-SO01	YES	Greek endemic
3	<i>Alcea biennis</i> subsp. <i>biennis</i>	20230917-SO01	NO	East Mediterranean
4	<i>Allium calamarophilon</i>	20230713-AK01	YES	Greek endemic
5	<i>Allium flavum</i> subsp. <i>tauricum</i>	20230903-AK10	NO	Mediterranean-European
6	<i>Allium gomphrenoides</i>	20230628-KS04	YES	Greek endemic
7	<i>Allium guttatum</i>	20230902-AK02	NO	Mediterranean
8	<i>Alyssum fulvescens</i>	20230528-AK01	NO	East Mediterranean
9	<i>Alyssum minutum</i>	20230508-SO02	NO	Mediterranean-European
10	<i>Alyssum simplex</i>	20230718-SO06	NO	Euro-Siberian
11	<i>Anthemis rhodensis</i> subsp. <i>pulvinalis</i>	20231001-CT01	YES	Greek endemic
12	<i>Arenaria leucadia</i>	20230512-SO03	YES	Greek endemic
13	<i>Arenaria serpyllifolia</i>	20230628-SM01	NO	European-SW Asian
14	<i>Armeria undulata</i>	20230903-AK06	NO	East Mediterranean
15	<i>Asperula taygetea</i>	20230629-KS10	YES	Greek endemic
16	<i>Asphodeline liburnica</i>	20231001-CT02	NO	East Mediterranean
17	<i>Asphodelus fistulosus</i>	20230518-SO07	NO	Mediterranean
18	<i>Asphodelus ramosus</i>	20230518-SO06	NO	Mediterranean
19	<i>Atractylis cancellata</i>	20230626-SO08	NO	Mediterranean
20	<i>Bellardia trixago</i>	20230628-SO02	NO	Mediterranean-SW Asian
21	<i>Bellardia viscosa</i>	20230626-SO11	NO	Mediterranean-European
22	<i>Bolanthus graecus</i>	20230718-SO05	YES	Greek endemic
23	<i>Bolanthus laconicus</i>	20230908-SO01	YES	Greek endemic
24	<i>Brassica nigra</i>	20230811-SO01	NO	Paleotemperate
25	<i>Briza maxima</i>	20230518-SO01	NO	Subtropical-tropical
26	<i>Cakile maritima</i> subsp. <i>maritima</i>	20230615-SM01	NO	Mediterranean-European
27	<i>Campanula aizoon</i>	20230902-AK11	YES	Greek endemic
28	<i>Campanula drabifolia</i>	20230518-SO05	YES	Greek endemic
29	<i>Campanula drabifolia</i>	20230718-SO04	YES	Greek endemic
30	<i>Campanula hagielia</i>	20230527-SO02	NO	East Mediterranean
31	<i>Campanula lyrata</i> subsp. <i>lyrata</i>	20230702-AK03	NO	East Mediterranean
32	<i>Campanula nisyria</i>	20230813-SM02	YES	Greek endemic
33	<i>Campanula saxatilis</i> subsp. <i>cytherea</i>	20230629-KS02	YES	Greek endemic

34	<i>Capsella grandiflora</i>	20230503-SM01	NO	Balkan-Italy
35	<i>Cardamine graeca</i>	20230526-AK02	NO	Mediterranean
36	<i>Centaurea affinis</i> subsp. <i>affinis</i>	20230902-AK04	NO	Balkan
37	<i>Centaurea grisebachii</i>	20230916-SO01	NO	Balkan
38	<i>Centaurea redempta</i> subsp. <i>cytherea</i>	20230629-KS01	YES	Greek endemic
39	<i>Cephalaria ambrosioides</i>	20230902-AK06	NO	Balkan
40	<i>Cerintho minor</i> subsp. <i>cleiostoma</i>	2020620-AK07	NO	Balkan
41	<i>Cirsium creticum</i> subsp. <i>creticum</i>	20230902-AK05	NO	Mediterranean
42	<i>Cirsium italicum</i>	20230527-SO01	NO	Mediterranean
43	<i>Cistus monspeliensis</i>	20230629-KS07	NO	Mediterranean
44	<i>Cistus parviflorus</i>	20230628-KS03	NO	East Mediterranean
45	<i>Colutea arborescens</i> subsp. <i>arborescens</i>	20230812-SO01	NO	European-SW Asian
46	<i>Consolida samia</i>	20230703-AK01	YES	Greek endemic
47	<i>Crocus cancellatus</i> subsp. <i>mazziaricus</i>	20230403-SO01	NO	Balkan-Anatolia
48	<i>Cynara cardunculus</i> subsp. <i>cardunculus</i>	20230706-SO01	NO	Mediterranean
49	<i>Daucus carota</i> subsp. <i>drepanensis</i>	20230626-SO06	NO	Mediterranean
50	<i>Daucus guttatus</i> subsp. <i>guttatus</i>	20230627-SO02	NO	Mediterranean
51	<i>Delphinium hellenicum</i>	20230628-KS01	YES	Greek endemic
52	<i>Dianthus biflorus</i>	20230728-SO01	YES	Greek endemic
53	<i>Dianthus crinitus</i>	20231001-CT04	NO	Mediterranean-SW Asian
54	<i>Echinops graecus</i>	20230903-AK02	YES	Greek endemic
55	<i>Eruca vesicaria</i>	20230518-SO04	NO	Mediterranean-SW Asian
56	<i>Euphorbia acanthothamnus</i>	20230811-SO02	NO	East Mediterranean
57	<i>Euphorbia dendroides</i>	20230811-SO03	NO	Mediterranean
58	<i>Fritillaria rhodia</i>	20230528-SO01	YES	Greek endemic
59	<i>Gladiolus anatolicus</i>	20230930-CT01	NO	East Mediterranean
60	<i>Glaucium flavum</i>	20230812-SO02	NO	Mediterranean-European
61	<i>Globularia cordifolia</i>	20230902-AK03	NO	Mediterranean-European
62	<i>Helianthemum salicifolium</i>	20230718-SO07	NO	European-SW Asian
63	<i>Helichrysum plicatum</i>	20230903-AK04	NO	East Mediterranean
64	<i>Hypericum empetrifolium</i>	20230808-SO01	NO	East Mediterranean
65	<i>Juncus maritimus</i>	20230626-SO02	NO	Mediterranean-European
66	<i>Juniperus turbinata</i>	20230718-SO02	NO	Mediterranean-Atlantic
67	<i>Jurinea mollis</i>	20230620-AK05	NO	European-SW Asian
68	<i>Lagurus ovatus</i> subsp. <i>ovatus</i>	20230518-SO03	NO	Mediterranean
69	<i>Legousia speculum-veneris</i>	20230903-AK09	NO	Mediterranean-European
70	<i>Lomelosia crenata</i> subsp. <i>dallaportae</i>	20230811-SO04	NO	Balkan-Italy
71	<i>Lotus cytisoides</i>	20230614-SO04	NO	Mediterranean
72	<i>Lotus halophilus</i>	20230615-SM02	NO	Mediterranean
73	<i>Lunaria annua</i> subsp. <i>pachyrhiza</i>	20230627-SO04	NO	Balkan-Italy
74	<i>Malcolmia maritima</i>	20230626-SO03	NO	Mediterranean
75	<i>Malcolmia orsiniana</i> subsp. <i>orsiniana</i>	20230722-AK02	NO	Balkan-Italy
76	<i>Malva parviflora</i>	20230812-SO03	NO	Mediterranean-SW Asian
77	<i>Matthiola sinuata</i>	20230629-KS03	NO	Mediterranean-European
78	<i>Micromeria graeca</i> subsp. <i>graeca</i>	20230812-SO04	NO	Mediterranean

79	<i>Minuartia attica</i> subsp. <i>idaea</i>	20230614-SO02	YES	Greek endemic
80	<i>Misopates orontium</i>	20230518-SO02	NO	Mediterranean-European
81	<i>Muscari pulchellum</i>	20230420-SO02	YES	Greek endemic
82	<i>Myosotis alpestris</i> subsp. <i>suaveolens</i>	20260626-SO05	NO	Balkan
83	<i>Myrtus communis</i>	20230812-SO05	NO	Mediterranean
84	<i>Nepeta orphanidea</i>	20230909-SO02	YES	Greek endemic
85	<i>Nepeta parnassica</i>	20230902-AK09	NO	Balkan
86	<i>Onobrychis ebenoides</i>	20230620-AK02	YES	Greek endemic
87	<i>Onopordum illyricum</i> subsp. <i>cardunculus</i>	20230627-SO03	NO	Mediterranean
88	<i>Onosma graeca</i>	20230629-KS11	NO	East Mediterranean
89	<i>Ophrys spitzelii</i>	20230623-SO01	NO	European
90	<i>Orlaya daucoides</i>	20230903-AK01	NO	Mediterranean-SW Asian
91	<i>Ornithogalum narbonense</i>	20230628-KS07	NO	Mediterranean
92	<i>Orobanche pubescens</i>	20230614-SO01	NO	Mediterranean
93	<i>Paeonia clusii</i> subsp. <i>rhodia</i>	20231001-CT05	YES	Greek endemic
94	<i>Paeonia clusii</i> subsp. <i>rhodia</i>	20231001-CT06	YES	Greek endemic
95	<i>Paliurus spina-christi</i>	20230902-AK08	NO	European-SW Asian
96	<i>Pallenis spinosa</i>	20230626-SO04	NO	Mediterranean
97	<i>Papaver hybridum</i>	20230722-AK05	NO	European-SW Asian
98	<i>Papaver somniferum</i>	20230811-SO05	NO	Mediterranean
99	<i>Petrorhagia dubia</i>	20230628-KS05	NO	Mediterranean
100	<i>Phelipanche mutelii</i>	20230626-SO09	NO	Paleotemperate
101	<i>Plantago crassifolia</i>	20230512-SO02	NO	Mediterranean
102	<i>Plantago holosteum</i>	20230620-AK01	NO	European
103	<i>Portulaca oleracea</i>	20230830-CT01	NO	Cosmopolitan
104	<i>Ptilostemon afer</i> subsp. <i>afer</i>	20230902-AK07	NO	Balkan
105	<i>Putoria calabrica</i>	20230811-SO06	NO	Mediterranean
106	<i>Rhinanthus pindicus</i>	20230628-SO01	NO	Balkan
107	<i>Romulea bulbocodium</i>	20230512-SO01	NO	Mediterranean
108	<i>Rosa canina</i>	20230811-SO07	NO	Paleotemperate
109	<i>Ruta graveolens</i>	20230718-SO01	NO	Mediterranean-European
110	<i>Salsola soda</i>	20230813-SM03	NO	Paleotemperate
111	<i>Sanguisorba minor</i>	20230722-AK03	NO	European-SW Asian
112	<i>Saponaria calabrica</i>	20230620-AK04	NO	Mediterranean-SW Asian
113	<i>Scabiosa tenuis</i>	20230808-SO02	NO	Balkan
114	<i>Scrophularia heterophylla</i>	20230629-KS05	NO	East Mediterranean
115	<i>Scutellaria orientalis</i> subsp. <i>alpina</i>	20230903-AK03	NO	Mediterranean-SW Asian
116	<i>Sedum litoreum</i>	20230813-SM04	NO	Mediterranean
117	<i>Sedum sediforme</i>	20230808-SO03	NO	Mediterranean
118	<i>Sedum urvillei</i>	20230808-SO04	NO	Mediterranean
119	<i>Sideritis montana</i>	20230722-AK06	NO	Mediterranean-SW Asian
120	<i>Silene colorata</i>	20230420-SO01	NO	Mediterranean
121	<i>Silene holzmannii</i>	20230614-SO03	YES	Greek endemic
122	<i>Silene italica</i>	20230722-AK01	NO	European-SW Asian
123	<i>Silene nocturna</i>	20230718-SO03	NO	Mediterranean

124	<i>Silene oligantha</i> subsp. <i>parnesia</i>	20230808-S005	NO	Greek endemic
125	<i>Silene samia</i>	20230526-AK03	NO	East Mediterranean
126	<i>Silene subconica</i>	20230626-S010	NO	Mediterranean
127	<i>Sinapis alba</i>	20230420-S004	NO	European-SW Asian
128	<i>Spartium junceum</i>	20230812-S006	NO	Mediterranean
129	<i>Stachys spreitzenhoferi</i>	20230629-KS04	YES	Greek endemic
130	<i>Stellaria media</i>	20230626-S001	NO	Cosmopolitan
131	<i>Stipa pulcherrima</i>	20230626-S007	NO	Euro-Siberian
132	<i>Taraxacum minimum</i>	20230508-S001	NO	Mediterranean
133	<i>Teucrium divaricatum</i> subsp. <i>divaricatum</i>	20230628-KS02	NO	East Mediterranean
134	<i>Teucrium francisci-wernerii</i>	20230628-KS06	YES	Greek endemic
135	<i>Teucrium halacsyanum</i>	20230627-S001	YES	Greek endemic
136	<i>Teucrium polium</i> subsp. <i>capitatum</i>	20230629-KS12	NO	Mediterranean
137	<i>Thymus holosericeus</i>	20230812-S007	YES	Greek endemic
138	<i>Tragopogon porrifolius</i>	20230420-S003	NO	Mediterranean
139	<i>Tulipa goulimyi</i>	20230629-KS06	YES	Greek endemic
140	<i>Verbascum boissieri</i>	20231011-S001	YES	Greek endemic
141	<i>Verbascum graecum</i>	20230808-S006	NO	Balkan
142	<i>Verbascum syriacum</i>	20231001-CT03	NO	East Mediterranean
143	<i>Verbascum undulatum</i>	20230808-S007	NO	Balkan
144	<i>Veronica oetaea</i>	20230706-S002	YES	Greek endemic
145	<i>Xeranthemum inapertum</i>	20230903-AK08	NO	Mediterranean-European

## APPENDIX 2

List of field trips made between Feb. 20 and Sep. 30, 2023.

	<b>DATE of DEPARTURE</b>	<b>DATE of RETURN</b>	<b>DESTINATION</b>
1	2023 03 10	2023 03 10	StE - Parnitha Mt.
2	2023 03 28	2023 03 29	SPi - Ioannina
3	2023 04 01	2023 04 03	Pe - Elafonissos Isl.
4	2023 04 05	2023 04 05	StE - Kithairon Mt.
5	2023 04 09	2023 04 10	IoI - Lefkas Isl.
6	2023 04 28	2023 05 01	Pe - Kythera Isl.
7	2023 05 08	2023 05 08	StE - Elikon Mt.
8	2023 05 12	2023 05 14	IoI - Lefkas Isl.
9	2023 05 18	2023 05 18	StE - Hymettus Mt.
10	2023 05 25	2023 05 28	E Ae - Samos Isl.
11	2023 05 27	2023 05 30	E Ae - Rhodes Isl.
12	2023 06 12	2023 06 12	W Ae - Kymi, Evoia
13	2023 06 14	2023 06 16	KK - Karpathos Isl.
14	2023 06 20	2023 06 20	StE - Parnitha Mt.
15	2023 06 26	2023 06 27	SPi - Metsovo
16	2023 06 27	2023 06 28	IoI - Lefkas
17	2023 06 27	2023 06 29	Pe - Kythera Isl.
18	2023 07 01	2023 07 04	E Ae - Samos Isl.
19	2023 07 06	2023 07 06	StE - Oeta Mt.
20	2023 07 06	2023 07 06	W Ae - Kymi-Aliveri, Evoia
21	2023 07 18	2023 07 18	StE - Oeta Mt.
22	2023 07 18	2023 07 18	StE - Hymettus Mt.
23	2023 07 22	2023 07 22	StE - Giona Mt.
24	2023 08 08	2023 08 08	StE - Parnitha Mt.
25	2023 08 11	2023 08 13	IoI - Lefkas Isl.
26	2023 08 13	2023 08 13	EC - Trikala
27	2023 09 02	2023 09 03	StE - Giona & Tymphristos Mts.
28	2023 09 08	2023 09 09	Pe - Parnon Mt.
29	2023 09 13	2023 09 14	Pe - Kyllini Mt.
30	2023 09 16	2023 09 17	StE - Giona & Parnassos Mts.
31	2023 09 26	2023 10 01	E Ae - Rhodes-Kastellorizo Isls.

## APPENDIX 3

List of Herbarium Vouchers under preparation. Additional 18 samples have been collected as well (53 in total) but not studied nor fully identified yet. The same holds for 18 taxa of the list below.

	<b>Taxon</b>	<b>Collection Date</b>	<b>Locality</b>
1	<i>Allium</i> sp.	03/07/2023	Samos
2	<i>Alyssum</i> sp.	09/05/2023	Parnitha
3	<i>Arenaria</i> cf. <i>stellaria</i>	18/05/2023	Ioannina
4	<i>Asperula pulvinaris</i>	27/06/2023	Lefkas
5	<i>Consolida samia</i>	03/07/2023	Samos
6	<i>Delphinium hellenicum</i>	28/06/2023	Kythera
7	<i>Gagea</i> sp.	09/05/2023	Parnitha
8	<i>Geocaryum</i> sp.	09/05/2023	Parnitha
9	<i>Jurinea mollis</i>	09/05/2023	Parnitha
10	<i>Lomelosia crenata</i> subsp. <i>dallaportae</i>	27/06/2023	Lefkas
11	<i>Malcomia</i> sp.	09/05/2023	Parnitha
12	<i>Minuartia stellata</i>	15/06/2023	Karpathos
13	<i>Onosma kaherei</i>	09/05/2023	Parnitha
14	<i>Polygala helenae</i>	29/04/2023	Kythera
15	<i>Polygala</i> sp.	09/05/2023	Parnitha
16	<i>Ranunculus</i> sp.	09/05/2023	Parnitha
17	<i>Rhinanthus</i> sp.	28/06/2023	Aoos Lake
18	<i>Saponaria calabrica</i>	09/05/2023	Parnitha
19	<i>Sedum sediforme</i>	27/06/2023	Lefkas
20	<i>Sedum</i> sp.	28/05/2023	Samos
21	<i>Sherardia</i> cf. <i>arvensis</i>	18/05/2023	Ioannina
22	<i>Silene samia</i>	26/05/2023	Samos
23	<i>Silene</i> sp.1	15/06/2023	Karpathos
24	<i>Silene</i> sp.2	26/06/2023	Velouchi
25	<i>Stachys spreitzenhoferi</i>	28/06/2023	Kythera
26	<i>Stachys spruneri</i>	09/05/2023	Parnitha
27	<i>Teucrium francisci-wernerii</i>	28/06/2023	Kythera
28	<i>Teucrium halacsyanum</i>	12/05/2023	Lefkas
29	<i>Valerianella</i> sp.	09/05/2023	Parnitha
30	<i>Verbascum</i> sp.	09/05/2023	Parnitha
31	<i>Veronica beccabunga</i>	26/06/2023	Velouchi
32	<i>Veronica</i> sp.	09/05/2023	Parnitha
33	<i>Viola aetolica</i>	26/06/2023	Velouchi
34	<i>Viola</i> sp.1	08/05/2023	Elikonas
35	<i>Viola</i> sp.2	09/05/2023	Parnitha

## APPENDIX 4

List of the 2022 seed accessions which have been tested for germination and their optimum conditions with maximum germination. Orchid seeds are not included in this table.

	Taxon	Accession #	Temp	FG L/Dcor	FG D cor	Empty	Dead	Pretreat
1	<i>Acer sempervirens</i>	0320-K-111	5	100.0	95.7	36	0	
2	<i>Achillea holosericea</i>	0394-K-185	20	97.9		0	0	
3	<i>Achillea ligustica</i>	0358-K-149	15	0.0	0.0	100	0	
4	<i>Aethionema retsina</i>	0287-K-078	20		100.0			
5	<i>Aethionema saxatile</i> subsp. <i>graecum</i>	0230-K-021	15	100.0	92.3	70	16	
6	<i>Alchemilla aroanica</i>	0339-K-130	15	77.8	0.0	10	0	
7	<i>Allium ampeloprasum</i>	0349-K-140	15	100.0	100.0	4	0	
8	<i>Allium chamaespathum</i>	0293-K-084	15		100.0			
9	<i>Allium hymettium</i>	0296-K-087	10		92.0			
10	<i>Allium subhirsutum</i>	0295-K-086	15		100.0			
11	<i>Alyssum montanum</i> subsp. <i>montanum</i>	0258-K-049	20	0.0	100.0	44	56	
12	<i>Anagyris foetida</i>	0238-K-029	15	100.0		0	0	chipped
13	<i>Anthemis cotula</i>	0328-K-119	25/15	73.3	0.0	40	0	
14	<i>Anthemis cretica</i> subsp. <i>cretica</i>	0362-K-153	15	64.3	11.8	44	0	
15	<i>Anthemis pindicola</i>	0396-K-187	15	97.8	0.0	10	0	
16	<i>Anthemis tomentosa</i> subsp. <i>tomentosa</i>	0252-K-043	15	6.3	17.5	4	14	
17	<i>Anthyllis vulneraria</i> subsp. <i>rubiflora</i>	0375-K-166	15	100.0		0	0	chipped
18	<i>Aquilegia ottonis</i> subsp. <i>ottonis</i>	0357-K-148	15	0.0	0.0	0	0	
19	<i>Armeria canescens</i>	0241-K-032	10	94.6		26	0	
20	<i>Asperula arcadiensis</i>	0284-K-075	15	100.0	31.8	12	0	
21	<i>Asphodeline lutea</i>	0210-K-001	15	11.1	69.8	2	8	
22	<i>Ballota acetabulosa</i>	0391-K-182	15	54.3	71.1	2	6	
23	<i>Biscutella didyma</i> subsp. <i>apula</i>	0318-K-109	20	41.5	13.6	10	8	
24	<i>Bituminaria bituminosa</i>	0309-K-100	15	100.0		0	0	chipped
25	<i>Brassica cretica</i> subsp. <i>aegaea</i>	0256-K-047	15	74.0	95.8	0	0	
26	<i>Bubon macedonicum</i>	0353-K-144	15	100.0	72.2	16	8	
27	<i>Bupleurum capillare</i>	0356-K-147	15	55.6	59.4	16	30	
28	<i>Campanula andrewsii</i> subsp. <i>andrewsii</i>	0227-K-018	15	91.5	2.1	2	4	
29	<i>Campanula asperuloides</i>	0279-K-070	5	97.8	11.6	10	0	
30	<i>Campanula celsii</i> subsp. <i>parnesia</i>	0216-K-007	10	87.5	0.0	4	0	
31	<i>Campanula celsii</i> subsp. <i>spathulifolia</i>	0226-K-017	15	89.6	0.0	4	0	
32	<i>Campanula cymaea</i>	0257-K-048	15	100.0	0.0	0	0	
33	<i>Campanula spatulata</i> subsp. <i>spruneriana</i>	0371-K-162	15	100.0	89.8	0	0	
34	<i>Campanula topaliana</i>	0222-K-013	15	96.7	0.0	36	4	
35	<i>Campanula topaliana</i> subsp. <i>topaliana</i>	0376-K-167	5	61.2	2.3	2	0	
36	<i>Campanula versicolor</i>	0347-K-138	15	100.0	0.0	60	4	
37	<i>Capsella bursa-pastoris</i>	0321-K-112	25/15	41.7	4.1	4	0	
38	<i>Carex distans</i>	0306-K-097	25/15	20.0		14	6	
39	<i>Centaurea achaia</i> subsp. <i>achaia</i>	0364-K-155	10		100.0			
40	<i>Centaurea affinis</i> subsp. <i>laconiae</i>	0335-K-126	15	100.0		30	0	
41	<i>Centaurea attica</i> subsp. <i>attica</i>	0277-K-068	15	100.0		60	8	
42	<i>Centaurea pichleri</i> subsp. <i>pichleri</i>	0283-K-074	15	0.0		100	0	



43	<i>Centaurea princeps</i>	0366-K-157	15	0.0		90	0	
44	<i>Centaureum erythraea</i>	0282-K-073	15	100.0	4.0	0	0	
45	<i>Centranthus ruber</i> subsp. <i>sibthorpi</i>	0213-K-004	15	97.3	65.8	14	12	
46	<i>Cerastium candidissimum</i>	0211-K-002	15		100.0			
47	<i>Cistus creticus</i> subsp. <i>creticus</i>	0272-K-063	15	83.7		16	0	sandpaper
48	<i>Cistus salviifolius</i>	0219-K-010	15	82.1		8	14	sandpaper
49	<i>Clypeola jonthlaspi</i> subsp. <i>jonthlaspi</i>	0304-K-095	15	12.8	2.8	22	0	
50	<i>Conium divaricatum</i>	0260-K-051	10	38.8	89.6	2	6	
51	<i>Dianthus serratifolius</i> subsp. <i>serratifolius</i>	0365-K-156	15	100.0		48	0	
52	<i>Dianthus tymphresteus</i>	0276-K-067	15	95.7		6	0	
53	<i>Digitalis laevigata</i> subsp. <i>graeca</i>	0237-K-028	20	2.5	0	8	12	
54	<i>Digitalis laevigata</i> subsp. <i>laevigata</i>	0269-K-060	20	98.0	12.5	0	0	
55	<i>Ebenus sibthorpii</i>	0348-K-139	15	100.0		0	0	chipped
56	<i>Eleocharis palustris</i> subsp. <i>palustris</i>	0355-K-146	25/15	4.8	0.0	16	0	
57	<i>Elytrichia juncea</i> subsp. <i>juncea</i>	0350-K-141	15	27.3	23.8	8	4	
58	<i>Epilobium hirsutum</i>	0386-K-177	15	100.0	33.3	14	0	
59	<i>Erysimum microstylum</i>	0217-K-008	15	36.6	25.0	10	8	
60	<i>Euphorbia myrsinites</i>	0274-K-065	20	87.0	0.0	0	8	
61	<i>Euphrasia salisburgensis</i>	0323-K-114	5	100	22.2	30	0	
62	<i>Fibigia clypeata</i> subsp. <i>clypeata</i>	0341-K-132	15	24.0	6.0	0.0	0.0	
63	<i>Fritillaria graeca</i>	0302-K-093	10	90.0	97.7	0	0	
64	<i>Fritillaria obliqua</i> subsp. <i>obliqua</i>	0305-K-096	10		0.0			
65	<i>Galanthus ikariae</i>	0312-K-103	15		8.0			
66	<i>Galium melanantherum</i>	0228-K-019	20	64.0		0	0	
67	<i>Galium thymifolium</i>	0334-K-125	15	74.2	82.4	32	6	
68	<i>Geranium robertianum</i>	0369-K-160	15	60.0		0	0	
69	<i>Globularia alypum</i>	0240-K-031	15	100.0	100.0	86	12	
70	<i>Heliosperma pusillum</i> subsp. <i>albanicum</i>	0372-K-163	20	90.0		0	0	
71	<i>Heracleum sphondylium</i> subsp. <i>pyrenaicum</i>	0385-K-176	5	100.0	57.9	62	4	
72	<i>Hypericum empetrifolium</i> subsp. <i>empetrifolium</i>	0250-K-041	15	83.3	6.7	28	0	
73	<i>Inula verbascifolia</i> subsp. <i>methanea</i>	0239-K-030	15	92.3	100.0	74	0	
74	<i>Johrenia distans</i>	0343-K-134	15	11.1	16.7	20	44	
75	<i>Lavandula stoechas</i> subsp. <i>stoechas</i>	0225-K-016	15	92.9	29.4	40	4	
76	<i>Linum leucanthum</i>	0294-K-085	25/15	100.0		4	0	sandpaper
77	<i>Lomelosia crenata</i> subsp. <i>crenata</i>	0236-K-027	15	100.0	100.0	86	0	
78	<i>Lomelosia hymettia</i>	0251-K-042	15	96.0	95.2	46	4	
79	<i>Lotus ornithopioides</i>	0289-K-080	15	100.0		0	0	sandpaper
80	<i>Malabaila involucrata</i>	0374-K-165	15	100.0	100.0	40	16	
81	<i>Malcolmia macrocalyx</i> subsp. <i>scyria</i>	0310-K-101	20	4.0	26.0	0	0	
82	<i>Malva arborea</i>	0259-K-050	15	100.0		0	16	chipped
83	<i>Marrubium velutinum</i> subsp. <i>cylleneum</i>	0235-K-026	20	57.1		0	30	
84	<i>Melica ciliata</i> subsp. <i>ciliata</i>	0392-K-183	15	97.4	94.6	22	0	
85	<i>Micromeria juliana</i>	0224-K-015	15	100.0	6.1	20	0	
86	<i>Minuartia attica</i> subsp. <i>attica</i>	0229-K-020	20	100	70	10	0	
87	<i>Minuartia dirphyia</i>	0255-K-046	10		100.0			
88	<i>Minuartia juniperina</i>	0221-K-012	15	8.9	0.0	4	6	
89	<i>Minuartia parnonia</i>	0231-K-022	15	70.6	15.8	32	4	
90	<i>Minuartia stellata</i>	0329-K-120	15	27.8	4.0	0	28	
91	<i>Muscari commutatum</i>	0273-K-064	10	100.0	100.0	0	0	
92	<i>Muscari comosum</i>	0247-K-038	10	48.0	98.0	0	0	
93	<i>Myosotis ramosissima</i> subsp. <i>ramosissima</i>	0322-K-113	20	100.0		0	4	
94	<i>Nepeta argolica</i> subsp. <i>argolica</i>	0271-K-062	20	84.2		50	12	

95	<i>Nepeta argolica</i> subsp. <i>dirphya</i>	0254-K-045	20	47		42	20	
96	<i>Nepeta nuda</i> subsp. <i>nuda</i>	0246-K-037	25/15	57.5	0.0	20	0	
97	<i>Nigella arvensis</i> subsp. <i>aristata</i>	0292-K-083	10		100.0			
98	<i>Nigella damascena</i>	0290-K-081	20		47.8			
99	<i>Odontarrhena chalcidica</i>	0401-K-192	15	97.9	100.0	2	4	
100	<i>Onosma stridii</i>	0220-K-011	15	0.0		100	0	
101	<i>Origanum vulgare</i> subsp. <i>hirtum</i>	0214-K-005	15	100.0	64.7	26	6	
102	<i>Ostrya carpinifolia</i>	0380-K-171	5		64.0			-
103	<i>Osyris alba</i>	0382-K-173	20	0.0				chipped
104	<i>Papaver rhoeas</i>	0244-K-035	15	22.7	10.9	4	8	
105	<i>Paronychia albanica</i> subsp. <i>graeca</i>	0359-K-150	15	100.0	38.0	0	2	
106	<i>Paronychia macrosepala</i>	0261-K-052	15	100.0		4	0	
107	<i>Petrorhagia dubia</i>	0367-K-158	15	26.7	16.1	30	10	
108	<i>Petrorhagia obcordata</i>	0291-K-082	20	96		0	0	
109	<i>Petrorhagia thessala</i>	0331-K-122	15	95.0	100.0	20	0	
110	<i>Phagnalon rupestre</i> subsp. <i>graecum</i>	0249-K-040	20	100.0	62.0	0	0	
111	<i>Phlomis fruticosa</i>	0285-K-076	15	70.6	11.1	38	28	
112	<i>Plantago afra</i>	0263-K-054	20	88.9	41.7	12	16	
113	<i>Potentilla pedata</i>	0344-K-135	25/15	97.6	28.9	16	0	
114	<i>Potentilla speciosa</i> subsp. <i>speciosa</i>	0326-K-117	15	0.0	0.0	12	0	
115	<i>Prospero autumnale</i>	0297-K-088	15		100.0			
116	<i>Ptilostemon chamaepeuce</i>	0317-K-108	15	100.0		10	10	
117	<i>Ranunculus sprunerianus</i>	0379-K170	25/15	93.5		2	4	
118	<i>Reseda alba</i> subsp. <i>alba</i>	0319-K-110	25/15	0.0	4.1	2	0	
119	<i>Rhinanthus pubescens</i>	0267-K-058	5	78.0	4.0	0	0	
120	<i>Rumex kernerii</i>	0234-K-025	25/15	62.0	100.0	0	0	
121	<i>Salvia ringens</i>	0352-K-143	15	0.0	0.0	96	0	
122	<i>Salvia verbenaca</i>	0325-K-116	15	87.0	30.0	4	4	
123	<i>Saponaria jagelii</i>	0281-K-072	10		60.0			
124	<i>Scabiosa atropurpurea</i>	0303-K-094	20	20.0		40	10	
125	<i>Scabiosa ochroleuca</i>	0265-K-056	15	92.3	71.4	42	6	
126	<i>Scabiosa webbiana</i>	0215-K-006	15	100.0	86.7	76	0	
127	<i>Scaligeria napiformis</i>	0270-K-061	15	93.9	97.9	0	2	
128	<i>Scorzonera crocifolia</i>	0268-K-059	15	65.3	47.7	0	2	
129	<i>Scutellaria rupestris</i>	0363-K-154	15	34.1	0.0	10	2	
130	<i>Sedum litoreum</i>	0299-K-090	10	40.0		0	0	
131	<i>Senecio eubaeus</i>	0253-K-044	10	100		0	8	
132	<i>Senecio thapsoides</i> subsp. <i>thapsoides</i>	0242-K-033	15	100.0	100.0	82	6	
133	<i>Sideritis euboea</i>	0324-K-115	15	87.5	71.4	64	4	
134	<i>Sideritis raeseri</i> subsp. <i>attica</i>	0275-K-066	15	52.8	0.0			
135	<i>Silene auriculata</i> subsp. <i>auriculata</i>	0354-K-145	15	100.0	8.7	12	4	
136	<i>Silene caesia</i>	0368-K-159	15	0.0	0.0	20	8	
137	<i>Silene conica</i>	0315-K-106	15	0	13.6	8	0	
138	<i>Silene fabaria</i> subsp. <i>fabaria</i>	0245-K-036	20	100.0	28.0	0	4	
139	<i>Silene gigantea</i> subsp. <i>hellenica</i>	0307-K-098	20	8.3	2.2	4	0	
140	<i>Silene multicaulis</i> subsp. <i>sporadum</i>	0360-K-151	25/15	75.0		60	0	
141	<i>Silene parnassica</i> subsp. <i>parnassica</i>	0377-K-168	10	100		0	0	
142	<i>Silene reinholdii</i>	0301-K-092	20	0.0	0.0	0	0	
143	<i>Silene roemerii</i> subsp. <i>macrocarpa</i>	0378-K-169	15		100			
144	<i>Silene sedoides</i>	0300-K-091	15	95.1		8	10	
145	<i>Silene spinescens</i>	0388-K-179	15	100.0	0.0	62	30	
146	<i>Smyrniium perfoliatum</i> subsp. <i>rotundifolium</i>	0327-K-118	5	95.7	100.0	0	6	

147	<i>Stachys spruneri</i>	0337-K-128	15	100.0		90	0	
148	<i>Stachys swainsonii</i> subsp. <i>swainsonii</i>	0311-K-102	15	100.0	82.6	48	0	
149	<i>Stachelina uniflosculosa</i>	0266-K-057	15	100.0	0.0	42	6	
150	<i>Teucrium aroanium</i>	0345-K-136	15	0.0	0.0	56	8	
151	<i>Teucrium brevifolium</i>	0243-K-034	15	44.4	5.1	20	8	
152	<i>Teucrium flavum</i> subsp. <i>hellenicum</i>	0218-K-009	15	100.0		70	10	
153	<i>Teucrium flavum</i> subsp. <i>hellenicum</i>	0248-K-039	15	100.0		60	0	
154	<i>Thymus leucotrichus</i> subsp. <i>leucotrichus</i>	0232-K-023	20	100.0	66.7	0	4	
155	<i>Thymus longicaulis</i>	0338-K-129	15	66.7	85.7	80	8	
156	<i>Tordylium apulum</i>	0308-K-099	10	0.0		0	0	
157	<i>Tragopogon crocifolius</i>	0212-K-003	15	93.5	100.0	22	16	
158	<i>Trifolium stellatum</i>	0280-K-071	20	91.3		8	0	sandpaper
159	<i>Typha domingensis</i>	0387-K-178	20	0	0	30	0	
160	<i>Umbilicus horizontalis</i>	0288-K-079	10	4.2	0.0	2	2	
161	<i>Verbascum speciosum</i> subsp. <i>megaphlomos</i>	0346-K-137	15	2.7	0.0	20	6	
162	<i>Verbascum undulatum</i>	0286-K-077	15	62.0	0.0	0	0	
163	<i>Veronica glauca</i> subsp. <i>peloponnesiaca</i>	0314-K-105	20	2.0		0	0	