

IUCN SSC Korean Plant Specialist Group



2018 Report



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Location/Affiliation

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Number of members

35

KPSG

Mission statement

To support conservation of Korean plant diversity, for present and future generations, through interdisciplinary collaboration, applied conservation biology and professional development.

Targets for the 2017-2020 quadrennium

Assess

Red List: (1) complete reassessment of 20 species of Korean endemic plants; (2) assessments of Regional Red List status for North Korea reviewed by the Korean Plant Specialist Group (KPSG); (3) assessments of Regional Red List status for South Korea will be independently reviewed; (4) publication of North Korean Vascular Plants annotated checklist through the Global Biodiversity Information Facility (GBIF); (5) assessment of 50 sub-endemic vascular species from the Korean Peninsula.

Research activities: publish two books addressing Red List assessments of Korea's higher vascular plants.

Plan

Policy: examine whether the guidelines by the Ministry of Environment (ME) successfully and appropriately apply the IUCN Red List criteria at the regional level.

Act

Conservation actions: implement conservation actions related to *ex situ* and *in situ* conservation, including plant introductions.

Technical advice: provide technical advice on biodiversity policy to the national institutions and universities in Korea.

Network

Capacity building: (1) plan a workshop on the restoration and reintroduction guidelines for the stable conservation of rare plants; (2) plan a workshop to build capacity among plant conservation practitioners to contribute toward achieving the Convention on Biological Diversity's Global Strategy for Plant Conservation (GSPC) 2020 targets; (3) provide a Conservation Biology course to increase Red Listing capacities with the help of Korea National Arboretum. Synergy: participate in workshops presented by KPSG and Korea National Arboretum (KNA).

Communicate

Communication: (1) build a website for the higher vascular plants of the Korea Red List; (2) build a website for the higher vascular plants of the Korea Plant Red List.

Activities and results 2018

Assess

Red List

- i.** KPSG and KNA have finished discussing the new research project of the reassessment of endemic species. (KSR #1)
- ii.** We have built a website for the vascular plants of the Korea Red List (<http://hosting03.snu.ac.kr/~quercus1/IUCN%20Red%20List%202018-1.htm>) as a window for the process of information exchange and participation. (KSR #1, 8)
- iii.** Six species endemic to the Korean peninsula were published on the IUCN Red List during 2017-2018, as a result of the three-year Korea National Arboretum-funded project to assess the conservation status of the Korean Peninsula flora. (KSR #1)



Research activities

i. Publication of two books addressing Red List assessments of Korea's higher vascular plants, which included methods, procedures and results. In these publications, we provided conservation advice based on results. We also provided advice in regards to the Korean higher vascular plants Red List. Titles: (1) *The Red List of Selected Vascular Plants in Korea*, and (2) *The Red List of Vascular Plants in Korea* updated 2018. (KSR #1, 8)

Plan

Policy

i. Two research articles produced to examine whether the guidelines by the Ministry of Environment (ME) successfully and appropriately apply the IUCN Red List criteria at the regional level and whether the Rare and Endangered National List can be considered well-founded, and addressed an assessment and review of the IUCN Red List for vascular plants in the Korean peninsula. (KSR #43)

Act

Conservation actions

i. We have completed a basic inventory to monitor an endangered species, *Scrophularia takesimens*, in Ulleung Island. Ongoing population monitoring will be scheduled in 2019 for the population viability analysis. (KSR #12)

Technical advice

i. Our members have provided technical advice on biodiversity policy to the national institutions and universities in Korea, in relation to the most common errors involved when applying the species extinction concept of the Red List criteria at the regional level in case of plant population extinctions in South Korea. (KSR #5)

Network

Capacity building

i. KPSG and KNA held a workshop on the restoration and reintroduction guidelines for the stable conservation of rare plants from 5–8 September 2018. Courses on rare plant reintroduction were organised by members of KPSG and KNA with two guest speakers (Dr. Joyce Maschinski from Fairchild Tropical Botanic Garden and Matthew A. Albrecht from Missouri Botanical Garden). These courses provided opportunities to promote biodiversity conservation actions.

ii. As part of the National Arboretum's capacity building programme to preserve biodiversity, a workshop was organised to strengthen the competence of plant conservation practitioners to achieve the Convention on Biological Diversity's Global Strategy for Plant Conservation (GSPC) 2020 targets. Two experts in the restoration of rare plants from the Center for Plant Conservation (CPC) and the Missouri Botanical Garden shared experiences and know-how in related fields and discussed ways to restore and reintroduce rare plants in Asia.

iii. We are planning the 2019 Conservation Biology course to increase Red Listing capacities with the help of KNA. (KSR #5)

Synergy

i. Our members have participated in the workshops organised by KPSG and KNA. (KSR #29)

Communicate

Communication

i. We have built a website for the vascular plants of the Korea Red List (<http://hosting03.snu.ac.kr/~quercus1/IUCN%20Red%20List%202018-1.htm>) as a window for the process of information exchange and participation. (KSR # 28)

Acknowledgements

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Summary of activities 2018

Species Conservation Cycle ratio: 5/5

Assess	4	
Plan	1	
Act	2	
Network	4	
Communicate	1	

Main KSRs addressed: 1, 5, 8, 12, 28, 29, 43

Resolutions addressed: WCC-2016-Res-016

KSR: Key Species Result