

IUCN SSC Freshwater Plant Specialist Group

2018 Report



Richard Lansdown

Chair

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Location/Affiliation

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Number of members

192

Social networks

Facebook:

IUCN SSC Freshwater Plant Specialist Group



Mission statement

The FPSG exists to promote and further the conservation of plant species which are dependent upon wetlands and the habitats upon which they depend.

Projected impact for the 2017-2020 quadrennium

Unless the funding situation changes, we do not envisage any significant change in the conservation condition of freshwater plants as a result of action by the Freshwater Plant Specialist Group (FPSG).

Targets for the 2017-2020 quadrennium

Assess

Red List: (1) conservation assessment of wetland-dependent plants in the Indo-Burma region; (2) development of a baseline for a Red List Index of wetland-dependent plants in the Mediterranean; (3) complete Red List assessment of nationally endemic freshwater plants in Canada.

Research activities: (1) research into reproductive strategies along water depth gradient of *Vallisneria natans* and *V. spinulosa* in shallow lakes of the Yangtze River, China; (2) research into plant community patterns in Moroccan temporary ponds along latitudinal and anthropogenic disturbance gradients.

Act

Conservation activities: (1) assessment of conservation requirements of *Crinum malabaricum*; (2) global conservation action for the genus *Isoetes*; (3) conservation of "ferricretes" in Satara District, Western Ghats, India as Conservation Zones.

Network

Capacity building: development of a decision support tool to improve restoration projects with emphasis on freshwater wetland vegetation.

Communicate

Communication: (1) raise awareness of global conservation of freshwater wetland plants; (2) use of charophytes for description and monitoring of inland waters in Sicily; (3) global conservation assessment of the genus *Callitriche*; (4) global conservation assessment of the genus *Cryptocoryne*.

Activities and results 2018

Assess

Red List

i. Project initiated on conservation assessment of wetland-dependent plants in the Indo-Burma region. (KSR #1, 2, 3, 4, 7)

ii. Three hundred and eighty-four new assessments of wetland-dependent plants in the Mediterranean completed; 116 recent assessments identified. (KSR #1, 2, 3, 4, 7)

iii. Initiation of Red List assessment of nationally endemic freshwater plants in Canada. (KSR #1, 2, 3, 4, 7).

Baldellia repens, Bellebouche, Parc Naturel Regional de al Brenne, France, 2010
Photo: Richard Lansdown



Research activities

- i. Completion of research on reproductive strategies along water depth gradient of *Vallisneria natans* and *V. spinulosa* in shallow lakes of the Yangtze River, China. (KSR #43).
- ii. Article published on plant community patterns in Moroccan temporary ponds along latitudinal and anthropogenic disturbance gradients. (KSR #43)

Act

Conservation activities

- i. Report completed on conservation requirements of *Crinum malabaricum*, article not yet published. (KSR #27)
- ii. Article published on global conservation action for the genus *Isoetes*. (KSR #27)
- iii. Fifteen ferricretes of Satara district designated as Conservation Zones under the Maharashtra (state) Regional Town Planning Act. (KSR #27)

Network

Capacity building

- i. Completion of the project on development of a decision support tool to improve restoration projects with emphasis on freshwater wetland vegetation. Report published. (KSR #18)

Communicate

Communication

- i. Talks presented in 2018 raising awareness of global conservation of freshwater wetland plants. (KSR #28)
- ii. Wetland vegetation restoration literature review completed and report published. (KSR #28)
- iii. Project on use of charophytes for description and monitoring of inland waters in Sicily has been initiated and an article is being prepared. (KSR #28)



Starfruit (*Damasonium alisma*), Vulnerable, Parc Naturel Regional de la Brenne, France, 2003
Photo: Richard Lansdown

- iv. More than 10 new species of genus *Callitriche* are being described, and conservation assessments being developed. (KSR #1, 2, 3, 4, 7, 8, 15, 18, 20, 21, 22)
- v. Initiation of project on global conservation assessment of the genus *Cryptocoryne*. (KSR #1, 2, 3, 4, 7, 8, 15, 18, 20, 21, 22).

Acknowledgements

We would like to acknowledge the IUCN SSC for technical support.

Summary of activities 2018

Species Conservation Cycle ratio: 4/5

Assess	5	
Act	3	
Network	1	
Communicate	5	

Main KSRs addressed: 1, 2, 3, 4, 7, 8, 15, 18, 20, 21, 22, 27, 28, 43

Resolutions addressed: WCC-2016-Res-016, WCC-2016-Res-041, WCC-2016-Res-045

KSR: Key Species Result