

## 2021 Report

# IUCN SSC Freshwater Plant Specialist Group



**CHAIR**  
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**NUMBER OF MEMBERS**  
132

#### SOCIAL MEDIA AND WEBSITE

Facebook: IUCN SSC Freshwater Plant Specialist Group

#### Mission statement

The Freshwater Plant Specialist Group (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 2021–2025

Not stated.

#### Targets 2021–2025

##### ASSESS

**T-001** Global conservation assessment of the genus *Callitriche*.

**T-002** Global conservation assessment of the genus *Cryptocoryne*.

**T-005** Develop a basis for assessment of wetland-dependent plants in the Indo-Burma region.

**T-006** Develop a Red List Index of Mediterranean wetland plants.

**T-007** Develop a global wetland plant Red List Index.

**T-008** Global conservation assessment of the Podostemaceae and Hydrostachyaceae.

**T-009** Global conservation assessment of the genus *Isoetes*.

**T-017** Publish global revision of the genus *Callitriche*, including description of >10 new species.

**T-018** Conservation of Western Ghats endemic wetland plants - new Red List assessments.



*Isoetes fluitans*, Galicia, Spain  
Photo: R.V. Lansdown

##### PLAN

**T-010** Develop a global conservation plan for the Podostemaceae and Hydrostachyaceae.

**T-011** Develop a system for monitoring climate change using high altitude wetland plants.

**T-012** Develop a global conservation plan for *Crinum malabaricum*.

**T-013** Develop a global conservation plan for the genus *Callitriche*.

**T-015** Raise awareness of conservation needs of overlooked and under-represented wetland habitats.

**T-016** Publication of the results of species assessment and conservation planning.

**T-019** Conservation of Critically Endangered *Rotala malabarica*: A proposal for survey, awareness and monitoring.

##### ACT

**T-014** Establish a global ex situ collection of *Cryptocoryne*.

##### NETWORK

**T-003** Aim to have hosting agreement with a Botanic Garden.

**T-004** Hold a meeting with key members to establish a coherent strategy for the next quadrennium and beyond.

##### COMMUNICATE

**T-020** Support Freshwater Conservation Committee communications highlighting freshwater species at risk and threats to freshwater systems.



*Callitriche lusitanica*, Sardinia  
Photo: R.V. Lansdown

## Activities and results 2021

### ASSESS

#### Red List

T-002 (KSR 6)

**Number of global Red List reassessments completed:** 98

**Result description:** Ninety-eight (98) assessments of the genus *Cryptocoryne* have been submitted for publication on the IUCN Red List. This includes all the species and varieties in the genus, apart from *C. verrucosa* which was described after completion of the remainder. The conservation plan for this group is now under development.

T-005 (KSR 6)

**Number of new national Red List assessments published:** 0

**Result description:** A species list for assessment has been developed but it is not clear where to go next from this point.

T-006 (KSR 7)

**Development of a regional Red List Index:** 0

**Result description:** 500 assessments for this project have been updated.

T-018 (KSR 6)

**Number of new global Red List assessments completed:** 0

**Result description:** Funding has yet to be acquired and work has not begun on this project.

#### Research activities

T-005 (KSR 5)

**Number of scientific publications about species research that acknowledge SSC affiliation:** 0

**Result description:** Completion of the assessments for the Mediterranean Red List Index of wetland-dependent plants is intended to lead to publication of the results.

T-017 (KSR 5)

**Number of scientific publications about species research that acknowledge SSC affiliation:** 4

**Result description:** Four articles were published in 2021 clarifying taxonomic and nomenclatural issues, as well as describing nine new species.

#### PLAN

##### Planning

T-013 (KSR 8)

**Number of conservation plans/strategies developed:** 0

**Result description:** Three conservation plans have been developed, these will be published in the next year.

T-016 (KSR 8)

**Contributions to publications referencing conservation of wetland plants:** 5

**Result description:** The group contributed to five publications with reference to global wetland plant species conservation.

#### ACT

##### Conservation actions

T-014 (KSR 10)

**Number of threatened species benefiting from ex situ conservation action:** 0

**Result description:** Progress on the establishment of a global collection in Singapore has been delayed and is currently on hold due to COVID-19.

### COMMUNICATE

#### Communication

T-020 (KSR 12)

**Contribute to and disseminate communications from Freshwater Conservation Committee's Species at risk report (in partnership with Shoal) within and outside SSC:** ongoing

**Result description:** In October/November 2021, the group contributed five species nominations to the upcoming report by the Freshwater Conservation Committee and Shoal. Work is now ongoing on compiling the species accounts based on those five nominations. The Freshwater Plant Specialist Group is supporting this work with information, review and feedback.

#### Summary of achievements

**Total number of targets 2021–2025:** 20

**Geographic regions:** 13 Global, 6 Asia, 2 Africa, 1 America, 1 Europa

#### Actions during 2021:

Assess: 6 (KSR 5, 6, 7)

Plan: 2 (KSR 8)

Act: 1 (KSR 10)

Communicate: 1 (KSR 12)

#### Overall achievement 2021–2025:

