



Species

ISSUE 63

2022 Report of the IUCN Species Survival Commission and Secretariat



The IUCN Species Survival Commission (SSC)

The IUCN Species Survival Commission (SSC) is a science-based network of thousands of volunteer experts from almost every country of the world, all working together toward achieving the vision of “a just world that values and conserves nature through positive action to both prevent the loss and aid recovery of the diversity of life on earth.”

Members of SSC belong to one or more of near 200 Specialist Groups, Red List Authorities, Action Partnerships, Task Forces, and Conservation Committees that make up the Network, each focusing on a taxonomic group (plants, fungi, mammals, birds, reptiles, amphibians, fishes, and invertebrates), national species, or a disciplinary issue, such as sustainable use and livelihoods, translocation of species, wildlife health, climate change, and conservation planning.

Framed by the Species Conservation Cycle, SSC’s major role is to provide information to IUCN on biodiversity conservation, the inherent value of species, their role in ecosystem health and functioning, the provision of ecosystem services, and their support to human livelihoods. This information is fed into the IUCN Red List of Threatened Species.

2021-2025 Species Strategic Plan

The IUCN Species Strategic Plan encompasses the joint work of the IUCN Species Survival Commission and a number of partnerships to achieve more than 2,700 targets proposed by the Network during the 2021-2025 quadrennium.

To accomplish those targets, the Species Conservation Cycle was established, which is the conceptual framework for the Network activities. The Species Conservation Cycle’s main purpose is to guide efforts for valuing and conserving biodiversity through three essential components that are linked to each other:

ASSESS: Understand and inform the world about the status and trends of biodiversity.

PLAN: Develop collaborative, inclusive and science-based conservation strategies, plans and policies.

ACT: Convene and mobilise conservation actions to improve the status of biodiversity.



Their implementation requires two transversal components:

NETWORK: Enhance and support our immediate network and alliances to achieve our biodiversity targets.

COMMUNICATE: Drive strategic and targeted communications to enhance our conservation impact.

SSC Species Report

Annual progress in the implementation of the 2021-2025 Species Strategic Plan is documented in the SSC *Species Report*, which consists of a comprehensive description and analysis of the activities and results generated by the members of the SSC Network each year. Each SSC Group contributes to this document by providing a yearly summarised description of their achievements, which is presented in stand-alone reports.

Structure of the IUCN SSC Stand-alone Report

Stand-alone reports summarize the activities conducted and results generated by each group member of the SSC. Following, is the structure of the stand-alone report and the contents under each session.

Title of the SSC Group

Photograph(s) of the Chair / Co-Chairs

Group information

Includes names of Chair / Co-Chairs, Vice-Chairs, Deputy Chairs, Red List Authority Coordinators and Program Officers, their institutional affiliations, number of members and social networks currently active.

Logo of the SSC Group

Mission statement

Includes the mission of the group.

Projected impact for the 2021-2025 quadrennium

Includes the description of the impact on species conservation resulting from the implementation of the targets formulated by the group for the 2021-2025 quadrennium.

Targets for the 2021-2025 quadrennium

Includes the targets planned by the SSC Group for the 2021-2025 quadrennium ordered alphabetically by component of the Species Conservation Cycle. Each target is labeled with a numerical code (e.g., T-001, T-012) that identifies it in the SSC DATA database and its status for the reported year is indicated (Not initiated, On track or Achieved).

Activities and results

Includes the targets for which activities were conducted and results were generated during the reported year, ordered alphabetically, first by component of the Species Conservation Cycle, and second by Activity Category. Description of activities and results includes the indicator that best describes progress, its associated quantitative or qualitative result, and the narrative description of the activity conducted or result obtained. Each activity or result reported is linked to the Key Species Result to which it is mainly associated (e.g., KSR#1, KSR#5).

Acknowledgements

Includes the acknowledgements to funding agencies, partners, and persons who contributed to the progress of the targets of the group.

Summary of achievements

Summarises information of the group's strategic plan for the quadrennium and progress achieved implementing targets for all the components of the Species Conservation Cycle during the reported year.

Example for the recommended citation:

Clausnitzer, V, and Lozano, F. 2023. 2022 Report of the Dragonfly Specialist Group. In: Nassar, JM, García, L, Mendoza, L, Andrade, ND, Bezeng, S, Birkhoff, J, Bohm, M, Canteiro, C, Geschke, J, Henriques, S, Ivande, S, Mileham, K, Ramos, M, Rodríguez, A, Rodríguez, JP, Street, B, and Yerena, E (Eds.). 2022 Report of the IUCN Species Survival Commission and Secretariat. International Union for Conservation of Nature. 6 pp.

Animalia

Fungi

Plantae

National Species

Disciplinary

Action Partnership

Task Force

Red List Authority

Committee

Center for Species Survival

IUCN SSC Dragonfly Specialist Group



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**RED LIST AUTHORITY
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NUMBER OF MEMBERS

42

SOCIAL MEDIA AND WEBSITE

Facebook: IUCN Dragonfly Specialist Group
Website: <https://worlddragonfly.org/>;
[https://www.iucn.org/our-union/commissions/
group/iucn-ssc-dragonfly-specialist-group](https://www.iucn.org/our-union/commissions/group/iucn-ssc-dragonfly-specialist-group)

Mission statement

The mission of the IUCN SSC Dragonfly Specialist Group (DSG) is to increase the knowledge on taxonomy, ecology and biogeography of all Odonata (damselflies and dragonflies). Based on this information we are currently working on the final steps towards assessing all species globally against the criteria of The IUCN Red List of Threatened Species, while outdated assessments are updated. In parallel, we help conservationists and countries protect threatened species.

Projected impact 2021–2025

In March/April 2021, we want to see all Odonata assessed on the IUCN Red List of Threatened Species. We hope to be able to help more countries with their National Red Lists and their endeavours with Biodiversity Action Plans. Hopefully more conservation projects and capacity building, not only for threatened species, can be established. Another goal is to establish dragonflies as 'guardians of the watershed', enabling a better understanding of biodiversity, a healthy environment and human well-being.

Targets 2021–2025

ASSESS

T-001 Global dragonfly assessment (6,320 species): all dragonfly species as listed on the World Odonata List are entered in the IUCN Species Information Service (SIS) and assessed against the Red List Criteria.
Status: Achieved

T-005 Develop a Dragonfly Biotic Index for Argentina.
Status: On track

T-006 Develop a National Red List of Argentina.
Status: On track

T-008 Reassess South American species.
Status: Not initiated

T-009 Obtain more information on *Andinagrion saliceti* to assist conservation planning.
Status: Not initiated

T-011 Research and produce a scientific publication on dragonflies of Manu National Park (Peru).
Status: On track

T-012 Develop a National Red List for Rwanda.
Status: Not initiated

T-013 Update and expand the National Red List of Brazil.
Status: Not initiated

T-017 Contribute to the National Red List of Peru.
Status: Achieved

T-020 Update/reassess the European Red List.
Status: On track

T-021 Ensure dragonflies are represented in overall discussions on SIS, red listing, reassessments, etc.
Status: On track

PLAN

T-004 Provide technical and scientific support in measuring the pulse of European biodiversity using the Red List Index.
Status: On track

T-022 Conduct Area of Habitat (AOH) mapping for the freshwater Species Threat Abatement and Restoration (STAR) project.
Status: Not initiated

T-024 Deliver reports and technical documents to the Brazilian government, law enforcers, policy-makers and regional committees to promote freshwater conservation of the Brazilian Cerrado.
Status: Not initiated

T-028 Protect freshwater biodiversity in Akagera National Park, Rwanda.
Status: On track



Zenithoptera lanei
Photo: Araseli Elme Tumpay

ACT

T-025 Implement a species conservation plan for *Roppaneura beckeri* and *Minagrion ribeiroi*.

Status: Not initiated

NETWORK

T-002 Provide Red List training to group members and local conservationists for global and national assessments.

Status: On track

T-002 Provide training on the use of endangered species to enforce law and policy-making in the context of freshwater basin management in the Brazilian Cerrado.

Status: Not initiated

COMMUNICATE

T-003 Provide vernacular names and photos for as many dragonfly species as possible to be included in the Red List.

Status: On track

T-007 Produce a field guide of dragonflies of Buenos Aires (Argentina).

Status: On track

T-016 Produce an informative guide of dragonflies of Manu Learning Centre (Peru).

Status: On track

T-018 Promote dragonfly knowledge among non-specialists in Argentina.

Status Not initiated

T-019 Publish the atlas of the Odonata of West and Central Asia (Turkey, Cyprus, Sinai and Yemen to Afghanistan, Kyrgyzstan, Turkmenistan, and the South Caucasus).

Status: Achieved

T-026 Communicate the efforts of the project 'Conservation of *Franciscobasis franciscoi* from South America', its successes and the role of flagship species on the conservation of water resources in the Cerrado.

Status: Not initiated

T-027 Dragonflies represented in overall discussions on SIS, red listing, re-assessments, etc.

Status: On track

Activities and results 2022

ASSESS

Red List

T-001 Global dragonfly assessment (6,320 species): all dragonfly species as listed on the World Odonata List are entered in the IUCN Species Information Service (SIS) and assessed against the Red List Criteria. (KSR 6)

Number of new global Red List assessments completed: 100

Result description: Target was completed in December 2021. By 2022 all Odonata have been assessed against the IUCN Red List criteria and 6,233 species are published.

<https://www.iucn.org/news/species/202112/dragonflies-threatened-wetlands-around-world-disappear-iucn-red-list>; <https://worlddragonfly.org/iucn-redlist-over-6000-dragonfly-species-assessed/>.

T-012 Develop a National Red List for Rwanda. (KSR 6)

Number of new national Red List assessments published: 50

Result description: As for 2022, it is planned to carry out the National Red List for Rwanda in 2023 or 2024, in the frame of a cooperation project between the Centre of Excellence for Biodiversity and Natural Resource Management, Huye, Kigali and the Senckenberg Research Institute, Germany.

T-020 Update/reassess the European Red List. (KSR 6)

Number of global Red List reassessments completed: 150

Result description: The European Red List reassessment is in progress. All species are in the SIS and most have been assessed in 2022; the ERL Reassessment is expected to be finished in 2023.

PLAN

Policy

T-004 Provide technical and scientific support in measuring the pulse of European biodiversity using the Red List Index. (KSR 9)



Odonata training in Manu Learning Centre, Peru
Photo: Araseli Elme Tumpay



Monitoring activities within Manu Learning Centre, Peru
Photo: Araseli Elme Tumpay



Dragonfly survey in Las Rabonas, Córdoba, Argentina
Photo: Federico Lozano



Pristine habitat, "Cocha Amalia",
Manu Learning Centre, Peru
Photo: Araseli Elme Tumpay

Number of documents provided to support/
guide policy-making: 100

Result description: This is still a work
in progress; Geert de Knijf is leading
this. Meanwhile, the European Red List
Reassessment will be finished in 2023. The
results will be published and have already
been presented at various symposia by
Geert de Knijf.

NETWORK

Capacity building

**T-002 Provide Red List training to group
members and local conservationists for
global and national assessments.** (KSR 2)

Number of people trained in assessment
tools: 50

Result description: In 2022, Viola
Clausnitzer provided two IUCN Red List
training courses to an international group
of conservationists at the International
Academy for Nature Conservation Isle of
Vilm, German Federal Agency for Nature
Conservation ('International Postgraduate
Course on Environmental Management'
and 'International Nature Conservation');
one course was in person and one virtual.

COMMUNICATE

Communication

**T-003 Provide vernacular names and photos
for as many dragonfly species as possible
on the Red List.** (KSR 12)

Number of photos uploaded: 100

Result description: This project is ongoing
and coordinated by KD Dijkstra in collabo-
ration with the US-based Odonata Central.
KD Dijkstra is collaborating with the wider
Odonatologist community on this project. A
final list is expected in 2024.

**T-027 Dragonflies represented in overall
discussions on SIS, red listing, re-assess-
ments, etc.** (KSR 12)

Number of media articles mentioning IUCN
Species theme: 3

Result description: In 2022, we co-au-
thored three reports and scientific publica-
tions with the Freshwater Unit, Invertebrate
Conservation Committee and sRedList
project within iDiv/red.

**T-027 Dragonflies represented in overall
discussions on SIS, red listing, re-assess-
ments, etc.** (KSR 13)

Number of print communications materials
distributed in relation to specific taxonomic
groups: 3

Result description: In 2022, we co-au-
thored three reports and scientific publica-
tions with the Freshwater Unit, Invertebrate
Conservation Committee and sRedList
project within iDiv/red.

Acknowledgements

We thank the Worldwide Dragonfly
Association for supporting the DSG in every
respect (<https://worlddragonfly.org/>), the
Sociedad de Odonatología Latinoamericana
(<https://www.odonatasol.org/>), Mohamed
bin Zayed Species Conservation Fund to
support survey and planning work for threat-
ened freshwater species in Akagera NP,
Rwanda.

Summary of achievements

Total number of targets 2021–2025: 25

Geographic regions: 5 Global, 1 Africa,
13 America, 1 Asia, 2 Europe

Actions during 2022:

Assess: 3 (KSR 6)

Plan: 1 (KSR 9)

Network: 1 (KSR 2)

Communicate: 3 (KSR 12, 13)

Overall achievement 2021–2025:

