



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.

Animalia

Fungi

Plantae

National Species

Disciplinary

Action Partnership

Task Force

Red List Authority

Committee

Center for Species Survival

Example for the recommended citation:

Rand, PS. 2023. 2022 Report of the Salmonid 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. 4 pp.

2022 Report

IUCN SSC Salmonid Specialist Group



CHAIR

Peter S. Rand

Prince William Sound
Science Center,
Cordova, Alaska, US

RED LIST AUTHORITY COORDINATOR

Steven Weiss

University of Graz,
Austria

NUMBER OF MEMBERS

8

Mission statement

Identify, assess status, describe key threats and act to protect the diversity of populations and life histories of salmonids (fishes in the family Salmonidae) throughout their native range in the Northern Hemisphere and work to reduce or mitigate negative effects caused by introduced salmonids around the world.

Projected impact 2021–2025

We continue to support efforts in research and conservation of salmonids. Research and conservation work continues on Sakhalin Taimen (*Parahucho perryi*, Critically Endangered formerly as *Hucho perryi*) in Japan and we maintain relationships with local conservation groups there. We also continue investing time to strengthen partnerships in Russia.

Targets 2021–2025

ASSESS

T-003 Complete range-wide assessments of Atlantic and Pacific Salmon that includes status of species and individual subpopulations.

Status: On track

T-005 Reassess status of *Hucho* spp. and Sakhalin Taimen (*Parahucho perryi*).

Status: On track

ACT

T-006 Support efforts to create freshwater, estuarine and marine protected areas or fish reserves to conserve salmonids and support efforts to re-establish migratory corridors.

Status: Not initiated

NETWORK

T-001 Establish regional Atlantic and Pacific Chairs, expand membership of the IUCN Salmonid Specialist Group (SSG) and increase diversity.

Status: Achieved

T-007 Provide support for proposals that raise funds for research and conservation of species, subspecies or individual populations of salmonids in underserved regions.

Status: On track

COMMUNICATE

T-002 Establish a website for the group to help raise awareness of our work and expand our network.

Status: On track

T-004 Through support from the '50 Freshwater Species at Risk' initiative and other related efforts, raise awareness of the need for conservation of Sakhalin Taimen (*P. perryi*) in Russia and Japan.

Status: On track

T-008 Through outreach efforts, raise awareness of impact of climate change on salmonids.

Status: Not initiated

Activities and results 2022

ASSESS

Red List

T-003 Complete range-wide assessments of Atlantic and Pacific Salmon that includes status of species and individual subpopulations. (KSR 6)

Number of new global Red List assessments completed: 0

Result description: We continued to support the Freshwater Biodiversity Unit in their assessment of both Atlantic and Pacific salmon, including several subpopulation assessments. These assessments will be finalized in 2023.

T-005 Reassess status of *Hucho* spp. and Sakhalin Taimen (*P. perryi*). (KSR 6)

Number of global Red List reassessments completed: 0

Result description: The group developed a proposal and was awarded an SSC Internal Grant to "Support for expanding web communications and a Red List workshop" - the Red List workshop specifically will be aimed at *Hucho* spp. and Sakhalin Taimen.



Sakhalin Taimen (*Parahucho perryi*), featured in the Fantastic Freshwater report
 Photo: Seiji Narita, National Institute for Environmental Studies (NIES)

NETWORK

Membership

T-001 Establish regional Atlantic and Pacific Chairs, expand membership of the IUCN Salmonid Specialist Group (SSG) and increase diversity. (KSR 2)

Number of SSC members recruited: 8
 Result description: We have increased our membership and now have broadened representation to include South America, New Zealand, Australia and additional EU countries.

Synergy

T-007 Provide support for proposals that raise funds for research and conservation of species, subspecies or individual populations of salmonids in underserved regions. (KSR 1)

Number of 'funding' partners established and maintained: 2
 Result description: The group developed a proposal and was awarded an SSC Internal Grant to 'Support for expanding web communications and a Red List workshop'. The proposal for Dades trout (*Salmo multipunctata*) was successful, while the proposal submitted to NGS was unsuccessful.

COMMUNICATE

Communication

T-002 Establish a website for the group to help raise awareness of our work and expand our network. (KSR 12)

Website completed: 0
 Result description: Website development is underway.

T-004 Through support from the '50 Freshwater Species at Risk' initiative and other related efforts, raise awareness of the need for conservation of Sakhalin taimen (*P. perryi*) in Russia and Japan. (KSR 13)

Number of print communications materials distributed in relation to specific taxonomic groups: 1

Result description: The FCC's Fantastic Freshwater report was published by Shoal in May 2022. The group contributed to the report with information and review of species information for the Sakhalin Taimen.

Summary of achievements

Total number of targets 2021–2025: 8

Geographic regions: 4 Global, 1 Africa, 1 America, 3 Asia, 3 Europe

Actions during 2022:

Assess: 2 (KSR 6)
 Network: 2 (KSR 1, 2)
 Communicate: 2 (KSR 12, 13)

Overall achievement 2021–2025:

