



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:

Beck, H, and Reyna-Hurtado, R. 2023. 2022 Report of the Peccary Specialist Group. In: Nassar, JM, García, L, Mendoza, L, Andrade, ND, Bezeng, S, Birkhoff, J, Bohm, M, Canteiro, C, Geschke, J, Henriques, S, Ilande, 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 Peccary Specialist Group



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RED LIST AUTHORITY

COORDINATOR

Richard Bodmer

Museum of Amazonian
Indigenous Cultures
FundAmazonia,
Iquitos, Peru

NUMBER OF MEMBERS

34

SOCIAL MEDIA AND WEBSITE

Facebook: IUCN Peccary Specialist Group

Mission statement

The overall aim of the Peccary Specialist Group is to promote the long-term conservation of peccaries and their natural habitats, and the recovery or restoration of peccary species, populations and communities. The specific objectives are: 1) contribute to peccary conservation through management and research; 2) consolidate the group of researchers and other people interested in the biology, conservation, and management of peccaries, and 3) foster communication, coordination, collaboration and exchange of information.

Projected impact 2021–2025

Comprehensive assessment of all peccary species. Utilising the assessments, develop guidelines and conservation strategies for NGOs, governments, and local communities.

Targets 2021–2025

ASSESS

T-003 Assess White-lipped Peccary (*Tayassu pecari*).
Status: On track

T-006 Complete an assessment of the population crashes of White-lipped Peccary across its range as a collaboration among group members.
Status: Achieved

T-009 Assess and mitigate the negative impacts of anthropogenic barriers (deforestation, roads, habitat alteration) on White-lipped Peccary herd and subherd social dynamics, spatial and population genetic structure, gene flow and genetic diversity.
Status: On track

T-011 Assess the current distribution pattern of the Chacoan Peccary (*Catagonus wagneri*) south of the distribution limit known until 2016 (northern Santiago del Estero province in Argentina) and the effect of land use change and hunting pressure on such patterns. Also, evaluate the isolation level of the newly discovered population.
Status: On track

T-012 Identify criteria on corridor use by White-lipped Peccary in a fragmented landscape.
Status: Achieved

PLAN

T-005 Create a Species Conservation Plan for White-lipped Peccary.
Status: On track

T-010 To include National Ungulate Conservation Plan for threatened ungulate species within the Brazil Species Conservation Plan.
Status: Achieved

ACT

T-002 Continue the implementation in the field of the chacoan peccary conservation plan, which was published in 2016.
Status: On track

T-008 Develop priority conservation management actions to reverse rapid range decline of White-lipped Peccary, a key Neotropical forest ungulate, in Brazil.
Status: On track

NETWORK

T-001 Reach a wider audience by further developing a homepage and keeping an active Facebook group.
Status: Achieved

T-014 Expand and diversify membership.
Status: On track

COMMUNICATE

T-004 Expand environmental education programmes in the Chaco related to the conservation of the Chacoan Peccary.
Status: On track

Activities and results 2022

ASSESS

Red List

T-003 Assess White-lipped Peccary (*T. pecari*). (KSR 6)

Number of new global Red List assessments completed: 30



Training youth in wildlife monitoring in the Argentine Chaco
Photo: Micaela Camino



A White-lipped Peccary (*Tayassu pecari*) with a radiotelemetry collar
Photo: Rafael Reyna

Result description: There have been discussions at the interior of the group to revise the status of the white-lipped peccary in the IUCN. We are compiling information with the goal of evaluating it in the near future. On December 15, 2022, our First Virtual Meeting was attended by 32 members, and we also had a chance to learn about many of the amazing research and findings occurring in different countries. Our plenary discussion was fruitful, though it covered rather sad topics but also generated some ideas concerning how human rights and indigenous rights could be potentially combined with our conservation efforts.

Research activities

T-006 Complete an assessment of the population crashes of White-lipped Peccary across its range as a collaboration among group members. (KSR 5)

Number of scientific publications about species research that acknowledges SSC affiliation: 90

Result description: In 2022 a sub-group of the members worked on a manuscript led by Jose Fragoso that deals with the assessment of the population crashes of White-lipped Peccary. This manuscript is in press, and we expect it to be published in 2023.

T-009 Assess and mitigate the negative impacts of anthropogenic barriers (deforestation, roads, habitat alteration) on White-lipped Peccary herd and subherd social dynamics, spatial and population genetic structure, gene flow and genetic diversity. (KSR 5)

Number of research projects completed or supported by SSC members per taxonomic group and region: 25

Result description: On December 15, 2022, the group had a general meeting in which many members highlighted the negative impact of deforestation and anthropogenic barriers for genetic flow of the peccary species.

T-012 Identify criteria on corridor use by White-lipped Peccary in a fragmented landscape. (KSR 5)

Number of scientific publications about species research that acknowledge SSC affiliation: 50

Result description: In previous years there have been a couple of publications about the White-lipped Peccary using fragmented landscapes in which sometimes corridors were used. The publication that is more directly related to the use of corridors by White-lipped Peccaries is: Jorge, MLS *et al.* (2019). White-lipped Peccary movement and range in agricultural lands of Central Brazil. Movement Ecology of Neotropical Forest Mammals: Focus on Social Animals, 39-55.

PLAN

Planning

T-005 Create a Species Conservation Plan for White-lipped Peccary. (KSR 8)

Number of conservation plans/strategies developed: 10

Result description: In the meeting that took place on December 15, 2022, we had a regional assessment of some of the species (Chacoan and White-lipped Peccaries) in Brazil and other countries of South America as well as in Mesoamerica. Some of this information will go to elaborate conservation plans at a national and regional level.

T-010 To include National Ungulate Conservation Plan for threatened ungulate species within the Brazil Species Conservation Plan. (KSR 10)

Number of actions addressing major drivers/emerging threats of species or population loss: 2

Result description: On December 15, 2022, we had a general meeting (one-day symposium) where the Brazilian colleagues had a whole afternoon session to discuss the status of the White-lipped Peccary (WLP) in the country. The session was led by Alexine Keuroghlian and this session will inform a possible national conservation plan for the species. Today Brazil has the: PAN



Environmental education activities in the Argentine Chaco
 Photos: Hugo Correa

Ungulados. Plano de Ação Nacional para a conservação dos Ungulados. Includes WLP, Tapirs and a couple of deer species. So, this target has been achieved.

ACT

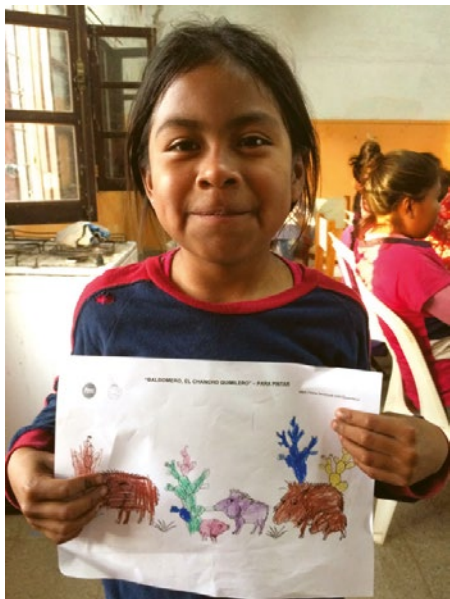
Conservation actions

T-002 Continue the implementation in the field of the Chacoan Peccary conservation plan, which was published in 2016. (KSR 10)

Number of actions addressing major drivers/emerging threats of species or population loss: 1

Result description: An article was published: Camino, M, et al. (2022). 'Less than six generations to save the Chacoan Peccary'. *Biodiversity and Conservation* DOI 10.1007/s10531-021-02337-x. Proyecto Quimilero has joined several NGOs in Argentina and together formed an activist group called Somos Monte. Proyecto Quimilero gave several talks and organized workshops with local people in the Argentine Chaco to review production alternatives, forest management laws and property rights laws, with the help from lawyers.





Environmental education in the Argentine Chaco
Photo: Hugo Correa



Local subsistence hunter reading the book that presents information provided by him and other locals
Photo: Hugo Correa

T-008 Develop priority conservation management actions to reverse rapid range decline of White-lipped Peccary, a key Neotropical Forest ungulate, in Brazil. (KSR 10)

Number of actions addressing major drivers/emerging threats of species or population loss: 25

Result description: On December 2022, the group had a general meeting in which the Brazilian colleagues had a full afternoon session where they discussed and exchanged ideas of possible management actions to reverse the declining trend of White-lipped Peccary in Brazil.

NETWORK

Synergy

T-001 Reach a wider audience by further developing a homepage and keeping an active Facebook group. (KSR 2)

Creation of a Group website: Achieved

Result description: The Facebook page of the group has been active throughout the year and currently has 3,100 followers and is posting news about peccary conservation on average one per week. The page is looking well.

COMMUNICATE

Communication

T-004 Expand environmental education programmes in the Chaco related to the conservation of the Chacoan Peccary. (KSR 13)

Number of print communications materials distributed in relation to specific taxonomic groups: 4

Result description: In collaboration with other institutions, Proyecto Quimilero made a children’s book about the Chacoan Peccary, in Spanish and Wichi indigenous language. The book was distributed for free to many schools, libraries, and families. Numerous environmental education activities with children in six rural and indigenous communities were carried out in collaboration with the NGO Ñanduty. Additionally, an environmental educational activity took place in an indigenous community with a gender perspective. As well, an environmental education activity with about 60 youth was carried out on Chacoan Peccary conservation, including art and crafts and murals.

Summary of achievements

Total number of targets 2021–2025: 12

Geographic regions: 1 Global, 11 America

Actions during 2022:

Assess: 4 (KSR 5, 6)

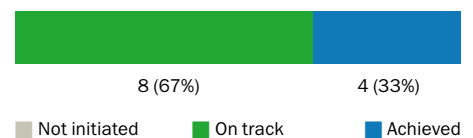
Plan: 2 (KSR 8)

Act: 2 (KSR 10)

Network: 2 (KSR 2)

Communicate: 1 (KSR 13)

Overall achievement 2021–2025:



■ Not initiated ■ On track ■ Achieved