

IUCN SSC Conservation Genetics Specialist Group



CONSERVATION GENETICS
SPECIALIST GROUP

SOCIAL MEDIA AND WEBSITE

Twitter: @congenetics

Website: <https://www.cgsg.uni-freiburg.de>



CO-CHAIR

Gernot Segelbacher

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NUMBER OF MEMBERS

80

Mission statement

The Conservation Genetics Specialist Group (CGSG) will establish guidance for pressing genetic policy and management issues. CGSG also provides genetic advice on policy and management within IUCN's Species Survival Commission (SSC) and expert knowledge and assistance to SSC Specialist Groups. CGSG will facilitate a fuller appreciation, evaluation and conservation of genetic diversity and resources at all levels, providing a forum for all stakeholders to value and conserve this crucial element of Planet Earth's life systems.

Targets 2021–2025

ASSESS

T-003 Develop a guidance document for the use of genetics in Red Listing.

PLAN

T-001 Publish an IUCN Guidance document for monitoring changes in genetic diversity.

T-002 Develop a guidance document on biobanks and planning for conservation of intra-specific genetic diversity.

T-005 Develop a policy brief on Digital Sequence Information (DSI).

T-006 Develop a guidance document on how to include hybrids in conservation planning.

ACT

T-004 Publish a position statement for the use of genetics in defining conservation units.

COMMUNICATE

T-007 Raise awareness of the importance of genetic diversity in policy.

Activities and results 2021

ASSESS

Red List

T-003 (KSR 6)

Number of technical documents provided to support Red List assessments/reassessments: 0

Result description: Scientific papers have been submitted to inform how genetic data can be included in Red Listing.

PLAN

Planning

T-001 (KSR 8)

Number of technical documents to support the development of conservation plans/strategies: 0

Result description: The IUCN Guidance document is currently in the layout process and we expect it to be published in spring 2022.

T-002 (KSR 8)

Number of technical documents to support the development of conservation plans/strategies: 0

Result description: The guidance document on biobanks and planning for conservation of intra-specific genetic diversity is under development.



Workshop with CGSG members on genetic management guidelines in South Africa in October 2021
Photo: Isa-Rita Russo

T-006 (KSR 8)

Number of technical documents to support the development of conservation plans/strategies: 0

Result description: The guidance document on how to include hybrids in conservation planning is under development.

Policy

T-005 (KSR 9)

Number of policies where SSC members provided technical input: 1

Result description: Policy brief published in January 2022.

ACT

Policy

T-004 (KSR 10)

Number of position statements addressing major drivers/emerging threats of species or population loss: 0

Result description: The position statement for the use of genetics in defining conservation units is under development.

Summary of achievements

Total number of targets 2021–2025: 7

Geographic regions: 7 Global

Actions during 2021:

- Assess: 1 (KSR 6)
- Plan: 4 (KSR 8, 9)
- Act: 1 (KSR 10)

Overall achievement 2021–2025:

