

IUCN SSC Invertebrate Conservation Committee

2019 Report



Axel Hochkirch

Chair

Axel Hochkirch

Location/Affiliation

Trier University, Germany

Number of members

11

Social networks

Facebook:

IUCN SSC Invertebrate Conservation Committee



Mission statement

The mission of the Invertebrate Conservation Committee (ICC) is to foster the conservation of terrestrial and freshwater invertebrates and their habitats around the world. We assess their conservation status, raise awareness and engage in practical conservation of these most species-rich taxonomic groups on Earth.

Projected impact for the 2017-2020 quadrennium

Our work will help to increase the taxonomic diversity represented in the IUCN SSC. The higher number of Red List assessments and new Specialist Groups will help to instigate new conservation actions for invertebrate species.

Targets for the 2017-2020 quadrennium

Assess

Red List: add 500 charismatic invertebrate species to the IUCN Red List.

Research activities: (1) develop monitoring standards for selected groups of invertebrates; (2) write publication on closing knowledge gaps in invertebrates.

Network

Capacity building: meet with invertebrate Specialist Group Chairs and Red List Authority (RLA) coordinators.

Membership: increase the number of invertebrate Specialist Groups (N=15).

Communicate

Communication: (1) produce guidelines for Invertebrate Conservation in Protected Areas; (2) publish a roadmap on insect conservation; (3) publish a 'Scientists Warning' on insect declines; (4) publish a 'Solutions' paper on insect declines.

Activities and results 2019

Assess

Research activities

i. A revised version of a manuscript on closing knowledge gaps in invertebrates has been submitted to the journal *Conservation Biology*. (KSR #43)

Network

Capacity building

i. A meeting with IUCN SSC Chairs and RLA coordinators of invertebrate Specialist Groups was held during the 2019 SSC Leaders' Meeting in Abu Dhabi.

Membership

i. Discussions are ongoing regarding the establishment of Specialist Groups for ants, ground beetles, saproxylic beetles, dung beetles, wild bees and soil fauna.

Communicate

Communication

i. Draft contents of the 'Guidelines for Invertebrate Conservation in Protected Areas' are completed, but there has been no progress so far due to lack of time. (KSR #28)



Pieris cheiranthi, Endangered, La Palma, Canary Islands
Photo: Axel Hochkirch



Tropidopola cylindrica, Vulnerable, Europe
Photo: Axel Hochkirch

ii. A paper outlining a roadmap on insect conservation has been accepted for publication in *Nature Ecology and Evolution*: Harvey, J.A., Heinen, R., Armbrrecht, I. et al. 'International scientists formulate a roadmap for insect conservation and recovery on an international roadmap to insect conservation'. The article will appear in 2020. (KSR #43)

iii. A paper by Cardoso, P., Barton, P.S., Birkhofer, K. et al. 'Scientists' warning to humanity on insect extinctions' has been accepted for publication in *Biological Conservation*. The article will appear in 2020. (KSR #43)

iv. A paper by Samways, M.J., Barton, P.S., Birkhofer, K. et al. 'Solutions for humanity on how to conserve insects' has been accepted for publication in *Biological Conservation*. The article will appear in 2020. (KSR #43)

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Summary of activities 2019

Components of Species Conservation Cycle: 3/5

Assess	1	
Network	2	
Communicate	4	

Main KSRs addressed: 28, 43

KSR: Key Species Result