Mission statement
The Viper Specialist Group (VSG) is a platform from which conservation biologists can work to increase our scientific understanding of viper biology and implement conservation actions to prevent declines and extinctions.

Projected impact for the 2017-2020 quadrennium
By the end of 2020, we will have strengthened the organisation and effectiveness of the Viper Specialist Group in order to have a more meaningful impact on the conservation of vipers globally. We will do this by supporting the individual activities of the members, increasing the membership, repositioning the VSG officers, continuing to publish the VSG newsletter, launching a new website, reactivating the presence of the VSG in social media, continuing to support Red List assessment activities, participating more in academic meetings to network with academic institutions, zoos, NGOs and other actors interested in the conservation of vipers, continuing to explore the possibilities to purchase land for the conservation of vipers, and publishing scientific and produce outreach material for vipers, among other things.
Network
Documents review: identify knowledge gaps in species assessments.
Membership: increase representativeness in membership.
Synergy: develop effective partnerships between zoos and the VSG.

Communicate
Communication: (1) create a webpage about the VSG with taxonomic updates to make this information more widely available; (2) continue to publish the Viper Specialist Group newsletter; (3) restructure the editorial board of the newsletter; (4) create outreach materials for living with vipers that can be customised by region; (5) increase the efficiency and amount of internal and external communication; (6) implement subpages for each region in the VSG website.

Scientific meetings: (1) determine how to develop and implement focal species initiatives; (2) hold regular virtual meetings among the Regional Coordinators; (3) hold at least one in-person meeting with most of the Regional Coordinators in this quadrennium.

Activities and results 2020
Assess
Documents review
i. Several species are being studied; however, this is done mainly through the research carried out by the individual members of the group, and we have to find a way to consolidate that effort in a coherent and effective programme to identify knowledge gaps in species assessments.

Red List
i. Completing Red List assessments for as many species of vipers in the world as possible was part of the Global Reptile Assessment (GRA), and the assessments were done to comply with the goals of the GRA. However, we want to continue with the momentum to re-assess many species that were assessed more than 10 years ago. (KSR #1)

ii. An updated analysis on the phylogeny of Eurasian vipers was carried out and is available as open access in *Amphibia-Reptilia* now. The assessments are still pending until the lifting of COVID-19 restrictions. (KSR #1)

Research activities

Plan
Policy
i. Advice was given for the Memorandum of Understanding for harvesting of vipers in Iran, but no official document was generated. (KSR #27)
We are reorganising the structure of the group and did not have time to continue working on the reorganisation of our newsletter. This is currently on hold, but we will reactivate it again once we complete the other organisational priorities within the group. (KSR #28)

We recently started to plan the creation of outreach material with the leadership of the Middle Eastern regional coordinator. We will consult our base and will develop a format to send to the membership to gather data for all viper species that will translate into outreach material. Independent to this, the support that we obtained to create our new website allowed us to produce some outreach material that will be available on the new website. (KSR #28)

Increased efficiency and quantity of internal and external communication was accomplished by having two Co-Chairs and distributing the workload among them, something that immediately changed the dynamics of the group in a very positive way. (KSR #28)

Although we resumed holding two virtual meetings per year with the regional coordinators, the Co-Chairs have held several meetings with the goal of creating committees with specific tasks.
Acknowledgements

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Summary of activities 2020

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<th>Components of Species Conservation Cycle: 5/5</th>
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<td>Assess</td>
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<td>Plan</td>
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<td>Act</td>
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<td>Network</td>
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Main KSRs addressed: 1, 2, 12, 22, 27, 28, 29, 43

KSR: Key Species Result

Least Concern Tzotzil Montane Pit Viper, Cerrophidion costatum, a Mesoamerican pit viper with a small distribution area
Photo: Jesús Sigala

Endangered Greek Meadow Viper, Vipera graeca
Photo: Stephen Roussos