

Using Priority Species to Strengthen Biodiversity Conservation in Mexico



Proposed issues to discuss

- Identify species or groups of species to promote collaborative efforts, share information (i.e., functional groups)
- Propose tri-national success indicators to assess conservation efforts of species/groups of species and their habitats
- Endorse initiatives that would benefit conservation efforts in the long term along throughout our shared territories.

Targeting Conservation Efforts: Priority Species

Our aim is to target conservation efforts towards species that can maximize the conservation of other species, landscapes, and ecosystems through two complementary strategies:

Species without information

Generation of information
through grants and funding
(i.e., Bats, Amphibians)



Species with information

Capacity strengthening
through funding and
supporting ongoing efforts
(i.e., Golden Eagle, Tapir,
Jaguar).



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Compiling a Reference Echolocation Call Library for Insectivorous Bats of Mexico: Phase I



- Set a **network of working groups**
- Organize training **workshops** and socialize best **capture methods** practices
- Compile, organize and **analyze** obtained sound recordings
- Design input and **validation methods** to enter acoustic data into the National System of Biodiversity Information (SNIB)
- Set up the national bat **call library**



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Monitoring and Conservation of Amphibians at Risk of Extinction in Chiapas



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- Create a **baseline** (data base) for amphibians from Chiapas with 2000 field register from 1950 up to date
- Generate a **checklist** for the amphibians of Chiapas
- Establish a systematic **monitoring protocol**
- Develop a **plan and a strategy** to implement the systematic monitoring
- Compile a monitoring **data base**



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Population Ecology and Conservation of *Tapirus bairdii* in Sierra Mixe, Oaxaca



- Acquire **6000** photo-trapping registers of tapir and sympatric species
- Compile a **data base** for the photographic registers
- Conduct a regional and population based **connectivity analysis** for the tapir and sympatric species
- Generate a new **distribution map**
- Develop a **Conservation strategy** for Sierra Mixe



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Towards a Comprehensive Monitoring Strategy for the Golden Eagle in Reproductive Grounds, Mexico



- Compile a **data base** of observed nest and individuals in 11 Mexican states
- Obtain **Photographs** of each observed nest and individual
- Generate **32 maps** (historical and current occurrences)
- Generate a national monitoring **strategy and protocol**



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Planning the Set-up of a National Jaguar Information System in Mexico



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MO: Xel-Ha, Quintana Roo, México, 2015



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- Design a web page to **compile** data from the jaguar monitoring program nation wide
- Systematize the methods for jaguar **field monitoring**
- Set up a **pilot program** for the systematic monitoring of the jaguar in five priority regions (CONANP-CONABIO)

- Currently 40 Action Programs for the Conservation of Species Conservation (PACE) are being conducted
- The Species at Risk Conservation Program (PROCER) is currently assessed in terms of budget and number of PACEs
- There is a need to assess the impact of using proxy species to improve the landscape conditions throughout PROCER



PROCER examples of how surrogate species are being used in landscape conservation efforts

- Neotropical Otter and Beaver for conservation and restoration of riparian habitat
- Mexican Wolf for conservation of ecosystems and connectivity
- Prairie Dogs, Bison and Golden Eagle for conservation and restoration of grassland in the Chihuahua Desert
- White shark for binational marine ecosystem conservation.



- Design and implement impact assessment mechanisms for conservation efforts, including those from the PROCER.
- Share information and experiences to improve conservation efforts using proxy species.

