NeoMapas es un modelo para la creación de bases de datos georeferenciadas sobre la distribución y abundancia de la biodiversidad neotropical. Se fundamenta en el diseño de protocolos que minimizan el esfuerzo de muestreo de campo, a la vez que sistematizan los métodos para su fácil replicación y la comparación entre localidades. Asimismo, se hace énfasis en la creación y fortalecimiento de equipos de trabajo locales. La primera fase de NeoMapas se concentrará en la realización de un censo nacional ornitológico en Venezuela. Ya hemos adelantado algunas pruebas de campo sobre los métodos a emplear y nos encontramos en la primera fase del establecimiento de un equipo de trabajo internacional con ornitólogos experimentados del norte de Sur América. A largo plazo, estimamos que el seguimiento de la distribución y abundancia de las aves será realizado por un equipo de voluntarios con abundante experiencia práctica en el neotrópico y una capacidad demostrada de identificar a las aves de la región por su canto. Se invita a los interesados a sumarse a esta iniciativa a que se pongan en contacto con nosotros. En el futuro, NeoMapas será implementado en otros países y será aplicado a otros taxa.

13
With funding from National Audubon Society and the Disney Foundation, we have undertaken a series of activities within stage 1. Between 27 February and 5 March 2001, we visited Hato Piñero, a private ranch located in the Venezuelan central llanos (Cojedes state, at c.09°N 68°W). Roughly 30% of its 80,000 ha is used for cattle grazing, while the rest is in a relatively natural state. The ranch spans a diversity of habitats that range from sparsely wooded flooded savannas through a variety of savanna scrub–forest mosaics, to well-developed gallery and dry forests. Various types of wetland are also found. In general, these are open habitats with good visibility and about as many birds can be identified visually as through knowledge of vocalisations.

To contrast the results from Hato Piñero, on 5–12 April we undertook our second field methods test along the road to the island of Anacoco, in the Cuyuní Basin of eastern Venezuela, very close to the border with Guyana (Bolívar state, at c.07°N 61°W). Here we found dense primary and secondary lowland forest, and a completely different avifauna to that of the drier central llanos. Though these ecosystems hold a diverse and specialised avifauna, the species are far more difficult to detect due to the dense vegetation. Mechanics of bird detection were very different here and a very high proportion of species and individuals were detected on sound alone. This constitutes a major challenge for field workers.

In September 2001, we plan to visit the montane cloud forests of Yacambú National Park (Lara state, at c.10°N 70°W), an example of habitats intermediate between the open llanos landscapes and closed forests of southern Venezuela. This will conclude the necessary field work for the NeoMaps protocol. By the end of 2001, we expect to synthesise our findings into a concrete methodological proposal for the first Venezuelan Ornithological Survey, to be carried out in mid-2002 (stages 2–4 above). The expansion of NeoMaps to other countries and other stages of the project will be developed from 2003 onwards.

As in the case of the North American Breeding Bird Survey, the Audubon Christmas Bird Counts1, and Atlas of Breeding Birds in Britain and Ireland4, this initiative relies heavily upon volunteer support. The future of the project, particularly all aspects of long-term population monitoring, requires the establishment of a group of volunteer amateur or professional ornithologists from the Neotropics and other regions of the world. One of the major strengths of the project is that it actively encourages amateur bird enthusiasts to become involved in worthwhile conservation work, permits them to increase their experience of Neotropical birds and provides an opportunity to receive field training while at the same time generating scientifically rigorous data.

We encourage Cotinga readers to participate in this exciting initiative. Volunteers with considerable experience of Neotropical avifaunas and the ability to identify a large number of Neotropical birds by vocalisations are especially sought. If you are interested in becoming involved with NeoMaps and potentially able to take part in fieldwork during 2002, please contact us at the addresses or emails below.

References


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