Tourism, local pride, and attitudes towards the reintroduction of a large predator, the jaguar *Panthera onca* in Corrientes, Argentina

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ABSTRACT: Few studies have assessed public attitudes in relation to the reintroduction of large felids. We evaluated the knowledge and attitudes of inhabitants of Corrientes province, Argentina, in relation to the proposed reintroduction of jaguars *Panthera onca* to Iberá Natural Reserve (INR). Corrientes is a traditional society in which cattle ranching shapes much of the geographical landscape and social character. A questionnaire was distributed to a random sample of residents from the provincial capital, 2 towns neighboring INR, and 3 villages inside or adjacent to the reserve. In general, residents showed a much greater positive disposition towards jaguars than actual knowledge about the species. We found a 95% level of support for the return of jaguars, which was independent of the respondents’ gender, age, or location. A small random sample of cattle ranchers also showed significant support for the project. These results were obtained prior to any educational campaigns promoting the reintroduction of jaguars, which suggests that jaguars were already considered a positive symbol in the province. We propose that the jaguar may be acting as a bridge between a proud traditional heritage and an alternative future where ecotourism serves as a route towards economic development. Conservation managers should be aware that this widespread support will probably change once jaguars become present in the local ecosystem and economy.

KEY WORDS: Jaguar · Reintroduction · Attitudes · Knowledge · Stakeholders · Cattle ranching · Iberá · Argentina

INTRODUCTION

Large carnivores have traditionally been persecuted by humans, based on the belief or practical experience that they can kill people, livestock, or other domestic animals (Kruuk 2002). The jaguar *Panthera onca* is the largest terrestrial predator in the Neotropics, where it has been extirpated from 54% of its original range, and is globally classified by the IUCN as Near Threatened (Caso et al. 2012). Jaguar distribution in Argentina has experienced a 95% reduction over the last centuries, and the species is presently found in 3 disjunct populations within the Yungas, Chaco, and Atlantic Forest ecoregions in the northern part of the country (Di Bitetti et al. in press). Di Bitetti et al. (in press) estimated that around 200 jaguars live in all of Argentina, where the species is formally classified as endangered (Díaz & Ojeda 2000).

The Iberá Natural Reserve (INR) comprises a 1.3 million ha ecoregion located between Chaco and the Atlantic Forest that was inhabited by jaguars until the mid-20th century (Parera 2004, Chebez 2008). In an area where the aboriginal Guarani language and traditions are very much alive, the jaguar, or *yaguar-étè* as it is called in this language, is still a common character in folk music (*chamamé*), local names, and legends. Recently, a group of scientists and managers
(Parera 2004) proposed the restoration of all large mammal species that had become extinct inside INR, including the jaguar. As a response to this proposal, The Conservation Land Trust (CLT) began buying land inside INR in order to establish Argentina’s largest national park, and to restore all species of extirpated large mammals (see www.proyectoibera.org). Thus, for the last 5 yr, CLT has been reintroducing giant anteaters Myrmecophaga tridactyla and pampas deer Ozotoceros bezoarticus into INR, and in 2010 it publicly announced its intention to reintroduce jaguars to the region (Jiménez 2010, 2011; www.proyectoibera.org).

The reintroduction of large charismatic predators tends to incite more controversy and potential conflict than the reintroduction of other animal species (Hayward & Somers 2009). In many cases, these initiatives create highly polarized arguments and positions between defenders of large predators and their opponents. Hence, many authors have proposed that significant public support should be a prerequisite for any reintroduction project, especially for those involving large carnivores (Kleiman et al. 1994, Jiménez Pérez 1996, Reading & Clark 1996, MacDonald 2009). This was explicitly stated by Kelly & Silver (2009) in a review of potential jaguar reintroductions, and was considered the key component for the successful reintroduction of grey wolves in Yellowstone National Park, USA (Smith & Bangs 2009).

Our goal was to assess the knowledge and attitudes of the people in Corrientes province in regard to jaguars and their reintroduction to INR. We also wanted to assess the effect of geographical and social differences among Correntinos (i.e. residents of Corrientes) on these human values related to jaguars. The use of the Corrientes province as a study area is based on the fact that the Argentinean Constitution gives authority for wildlife management and conservation to the provinces.

MATERIALS AND METHODS

Study area

Corrientes province is located in north-eastern Argentina, and covers 88,886 km² with an estimated population of 993,388 (DEyC 2011; Fig. 1). Although at present cattle ranching plays a secondary role in the economy of Corrientes, it still defines much of the physical landscape and cultural identity by occupying around 80% of its surface (EGES 2009). This province represents one of the oldest traditions of European colonization in the Southern Cone, starting in the 16th century in connection with the Jesuit missions administered from what is currently Asunción in Paraguay (Crow 1992, Foschiatti del Dell’Orto & Bolsi 1993). When the Jesuits left, the region’s culture was characterised by 4 main traits which still define rural Correntino culture today: (1) the use of the aboriginal Guarani language by most rural people, (2) the presence of a highly hierarchical rural society made up of landowners managing large cattle ranches (estancias) through poorly educated cowboys (gauchos), (3) the existence of a rich local folklore expressed through music, legends, fiestas, and religious rituals, and (4) the pervasiveness of traditional conservative values guiding political and economic life (Mantilla 1972). Recently, Corrientes has developed a more modern urban and rural economy based on trade, public jobs, tourism, intensive agriculture, and forestry plantations (EGES 2009, DEyC 2011). With around 20% of its population living below the poverty rate, Corrientes is among the poorest provinces in Argentina (DEyC 2011).

INR is in the central northern part of Corrientes province, where it protects a 1.3 million ha hydrological basin covered by subtropical wetlands, grasslands, open savannas, and small forests (CLT 2006, Fig. 1). Flooded areas make up the core of INR.

Fig. 1. Study area, showing Corrientes province in relation to Argentina and neighboring countries, the 6 locations where interviews were carried out, and protected areas within Iberá Natural Reserve. CLT: The Conservation Land Trust. 500 miles = ca. 800 km
changed into an ecotourism-based economy. San Miguel and Concepción (10 700 and 5200 inhabitants, respectively) are both adjacent to INR and maintain an economy based mostly on cattle ranching and forestry. Tourism has not become a significant activity in these 2 villages, but their authorities, local organizations, and entrepreneurs have identified it as a priority option for economic development.

Sociological survey

A structured questionnaire in Spanish was used in face-to-face interviews during October to December 2010 with 446 randomly selected men and women representing different households from the 5 locations described above. In Corrientes city, interviews were carried out in the local Costanera, or promenade, where inhabitants from all social classes typically come to walk. In Ituzaingó, Mercedes, San Miguel, and Concepción, interviews were carried out in a similar manner around their central plazas. In the case of Pellegrini, where people tend to stay mostly at home, interviews were carried out through a door-to-door systematic sample of households.

Each interview started with the researcher showing a photograph of a jaguar to the interviewee, in order to check correct identification of the species (Box 1). Following this, a series of socio-economic questions concerning the origin, age, sex, education, and occupation of the respondents and their knowledge and attitudes towards jaguars were asked. The last question was related to their attitude towards jaguar reintroduction to INR (Box 1). For our study, we defined attitude as a ‘person’s evaluation, either favorable or unfavorable, of a person, object, concept, or action’ (Pierce et al. 2001). In our case, we assessed both attitudes towards jaguars and their reintroduction to Iberá.

The number of interviews for each location was grossly related to the respective population size: 136 in Corrientes city, 100 in Mercedes, 100 in Ituzaingó, 40 in Concepción, 40 in San Miguel, and 30 in Pellegrini. Trial tests with 2 external evaluators were carried out to verify the clarity of the questions and neutral influence by the interviewer.

Because no cattle ranchers were found during these randomized surveys, we carried out a second, non-random survey focused on ranch owners and administrators from Mercedes. We chose this group and location because Mercedes is the hub of the strongest anti-environmentalist organization (Fundación Iberá Patrimonio de los Correntinos) in the region, and therefore we expected to find the greatest opposition
to jaguar reintroduction from this subsample. Interviewees who had lived in any of the sampled locations for less than 5 yr were not considered as residents, and were therefore excluded from the analysis.

In the case of attitudinal questions (nos. 13 to 17 in Box 1), we excluded instances in which the inter- viewee could not express a clear response towards the question. Hence, sample sizes for related analyses varied depending on the number of excluded cases.

In order to measure knowledge about jaguars, we created a combined index based upon 4 questions: (1) ability to recognize a jaguar in a photograph, (2) knowledge about the current status of the species in Corrientes, (3) knowledge about jaguars’ key ecological role in the ecosystem, and (4) unsustained belief in the jaguars’ habit to prey on humans (questions 8, 9, 11, and 12 in Box 1). Because these questions are related to factual data, we were able to establish a correct answer for each one as an indicator of knowledge. Thus, the data were binary (1 for correct, and 0 for incorrect and ‘don’t know’ answers) and when adding these values for the 4 variables, the resulting knowledge index ranged from 0 to 4, depending on the number of correct answers given by any interviewee. Significant relationships between categorical variables were tested through $R \times C$ tests of independence using $G$-tests (Sokal & Rohlf 2000). In specific cases when more than 20% of the cells had expected frequencies below 5, we used the Fisher-Freeman-Halton exact test. Finally, when age was used as the explanatory variable, logistic regressions were applied.

RESULTS

After excluding short-term residents, we analyzed 433 interviews from Corrientes city (114), Mercedes (111), Ituzaingó (100), Concepción (40), San Miguel (40), and Pellegrini (28). Table 1 summarizes the general knowledge and opinions of Correntinos regarding jaguars. In general, Correntinos showed a much better attitude towards jaguars than actual knowledge about the species.

<table>
<thead>
<tr>
<th>1. Age</th>
<th>2. Place of birth</th>
<th>3. Place of residence</th>
<th>4. Gender</th>
<th>5. Occupation: (a) Cattle ranching, (b) Agriculture, (c) Trade, (d) Tourism, (e) Government employee, (f) Other</th>
<th>6. Education level: (a) Primary school unfinished, (b) Primary education, (c) High school, (d) University degree</th>
<th>7. How long have you been living in this location?</th>
</tr>
</thead>
</table>

Basic knowledge on the species
The interviewer shows a picture of a jaguar to the interviewee.

8. Did the person identify the species correctly after seeing it in a photograph? (a) Yes (b) No
9. Do jaguars live in Corrientes? (a) They never lived in the province. (b) They used to live in the province but became extinct here. (c) They are still living in the province.
10. If Question 9 was answered ‘c,’ then: Where do you think you could see jaguars in Corrientes?
11. Jaguars tend to kill and eat people? (a) Yes (b) No
12. Jaguars play a key ecological role in the natural landscapes of Iberá by keeping in check their wild prey. (a) Agree (b) Disagree (c) Indifferent

Attitudes and perceptions
13. What is the first thing that comes to your mind when thinking of these animals?
14. Jaguars could become an important tourist attraction for visitors to Iberá, which could improve local people’s income. (a) Agree (b) Disagree (c) Indifferent
15. Jaguars are beautiful animals that bring beauty to natural landscapes in Corrientes province. (a) Agree (b) Disagree (c) Indifferent
16. Some scientists are recommending the reintroduction of jaguars to Iberá so they can return to this nature reserve where they used to live during the last century. How do you feel about this? (a) Agree (b) Disagree (c) Indifferent
17. Could you explain the main reasons for your answer?
while most rural inhabitants tended to identify the species correctly (n = 433, G = 37.9, df = 2, p < 0.001, Fig. 2a).

When asked about the feelings elicited by the jaguar photo, 85% of the interviewees recalled feelings of beauty or affection, while the remaining 15% admitted feelings of fear or aggressiveness.

People with primary (48.4%, n = 95) and high school (46.2%, n = 275) education tended to know the correct status of the jaguar in Corrientes (i.e.,

Table 1. Summary of general knowledge and opinions of Correntinos (n = 433) regarding jaguars. INR: Iberá Natural Reserve

<table>
<thead>
<tr>
<th>Knowledge or attitude variable</th>
<th>Response (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Positive identification of jaguar after seeing a photograph</td>
<td>52</td>
</tr>
<tr>
<td>Correct knowledge of actual status of the species (i.e. historically present but now extinct in Iberá)</td>
<td>44</td>
</tr>
<tr>
<td>Knowledge that jaguars do not prey on people</td>
<td>59</td>
</tr>
<tr>
<td>Knowledge about the key ecological role of jaguars</td>
<td>95</td>
</tr>
<tr>
<td>Recognition of jaguars as a potential tourist attraction</td>
<td>98</td>
</tr>
<tr>
<td>Recognition of jaguars as sources of beauty in natural landscapes of Corrientes</td>
<td>99</td>
</tr>
<tr>
<td>Supportive of jaguar reintroduction to INR</td>
<td>95</td>
</tr>
</tbody>
</table>

Fig. 2. Social factors that explain differences in knowledge about jaguars in people from Corrientes province: (a) relationship between proximity to Iberá Natural Reserve (INR) and the ability to recognize a jaguar in a photograph, (b) relationship between proximity to INR and knowledge of the population status of the species in the province, (c) relationship between education level and the belief that jaguars prey on people, (d) relationship between proximity to INR and the belief that jaguars prey on people.
endangered but historically present at Iberá) better than those that had a university degree (34%, n = 47) \((G = 12.3, df = 4, p = 0.01)\). People living in the vicinity of INR (50.9%, n = 108) and neighboring towns (47.2%, n = 195) were also more aware of the fact that jaguars used to live in the area and had become locally extinct than were inhabitants of the capital (25%, n = 114; \(G = 43.4, df = 6, p < 0.001\), Fig. 2b).

More women (64%, n = 245) than men (43%, n = 183) tended to believe that jaguars were ‘fierce animals that preyed on people’ \((G = 3.83, df = 1, p = 0.05)\). There was also a strong inverse relationship between formal education level and the belief that jaguars prey on people \((n = 428, G = 37.4, df = 2, p < 0.001)\); Fig. 2c). Also, with increased distance from INR, fewer people believed that jaguars prey on people \((n = 417, G = 10.7, df = 2, p < 0.001)\); Fig. 2d).

Even though over 90% of the people were aware of the ecological role of jaguars, this knowledge was especially high (100%, n = 47) in interviewees with a university education (total n = 432, \(G = 11.4, df = 4, p = 0.02\)). Also, more people living in villages inside or adjacent to INR and people living in the capital recognized this ecological role than people living in neighboring towns \((n = 417, G = 10.5, df = 4, p = 0.03)\). There was also an inverse relationship between age of the interviewee and their belief that jaguars could serve as a tourist attraction. An inverse prediction based on the logistic regression model indicates that the probability that a person believes that jaguars could serve as a tourist attraction is 95% at age 48 and diminishes to 90% at age 67 and to 80% at age 88.

Jaguar reintroduction was supported by 95% of the interviewees. Such support was not related to the respondents’ gender, age, or location. However, people with only primary education showed a lower level of support (i.e. 87%, n = 99) than the other groups with higher education \((n = 431, G = 13.4, df = 2, p = 0.001)\); Fig. 3a). When we compared the non-random subsample of cattle ranchers \((n = 15)\) with the interviewees employed in other trades, the former showed a lower level of support for jaguar reintroduction, even though 68% of them still favored its return to INR \((n = 431, G = 12.9, df = 5, p = 0.02)\). Finally, there was no clear relationship between knowledge of the species and support for its reintroduction. Only a very small group with a very low level of knowledge \((n = 6)\) was significantly less supportive than the other 4 knowledge groups on this subject (Fisher’s exact test for count data, \(p = 0.002\), Fig. 3b).

When asked for the main reason for their support of the reintroduction, 44% of interviewees cited its touristic appeal, 25% said that it was part of their provincial heritage, 16% declared that it enhanced the beauty of Iberá, and 15% highlighted its ecological role in the reserve. On the other hand, 77% of the people that were against the reintroduction justified this based on the belief that jaguars prey on people, while the other 23% used its habit of preying on cattle as an explanation.

**DISCUSSION**

There seems to be a discrepancy between factual knowledge about jaguars in Corrientes province and widespread support for the species’ reintroduction. A
significant proportion (48%) of Correntinos did not recognize the species from a photograph, and 56% did not know its actual status as a historically extant but currently extirpated species. Other authors have found a similar disparity between knowledge and attitudes in the case of biodiversity conservation (e.g. Kellert 1996, Kellert et al. 1996, Pierce et al. 2001, Johns 2009).

Several patterns found in this study match findings from similar studies. For instance, women have less factual knowledge of wildlife than men, and they also tend to show more fear of large carnivores (Kleiven et al. 2004). People living in the vicinity of large carnivores tend to fear their potential role as ‘man-eaters’ more than people living in neighboring towns or the capital, but they also have a better understanding of their actual population status (Kellert et al. 1996, Kleiven et al. 2004, Dos Santos et al. 2008). It is also typical that urbanites and people with a university education tend to see the key ecological role of large carnivores as top predators more readily than do other groups (Kellert et al. 1996, Kaltenborn et al. 1998). However, it is rarer that people living in small villages adjacent to the park also recognize the ecological role of jaguars more than inhabitants of larger neighboring towns. This could suggest that people living just adjacent to the reserve or in the capital have a higher level of identification with conservation values related to INR compared with inhabitants from neighboring towns, who may see conservation as being in opposition to their traditional agronomic values.

People in Corrientes seem to be highly enthusiastic (95% level of support) about the return of jaguars to INR. Surprisingly, and in contrast to other studies on attitudes towards large carnivores (e.g. Kellert et al. 1996, Williams et al. 2002, Blanco & Cortés 2002), this high level of support for jaguar reintroduction was not affected by the respondents’ gender, age, or proximity to potentially reintroduced animals.

It is difficult to compare this level of support with similar cases in other regions since we could not find another assessment of attitudes prior to the reintroduction of a large feline. The case that has been most studied in this regard is the reintroduction of wolves. Williams et al. (2002) carried out a comprehensive review of studies assessing attitudes towards wolf reintroduction in different countries. They found that only in 5% of 23 studies, did 91% or more of the respondents show support for wolf restoration. Gusset et al. (2008) interviewed people living in the vicinities of Hluhluwe-iMfolozi Park, South Africa, about their attitudes towards the reintroduction of wild dogs. They found 60.7% of positive responses in 2000, which decreased to 38.6% 4 yr later, as interactions with wild dogs outside the reserve became more common. Zeiler et al. (1999) interviewed inhabitants of Vienna, Austria, about their attitudes towards the reintroduction of large carnivores (brown bear and European lynx) and found a 70% level of support, which was significantly lower than support for other species of wildlife.

Other researchers have assessed attitudes of local people regarding the conservation of preexisting jaguar populations. Paviolo (2010) found that 88% of people living in the vicinity of jaguars in the neighboring province of Misiones, Argentina, supported its conservation. Dos Santos et al. (2008) discovered that a significant majority (85.5%) of Brazilians from 5 biomes thought that jaguars should not be eliminated.

Much has been said about the conflict between large carnivores like jaguars like jaguars and cattle (Medellín et al. 2002, Crawshaw 2004, Rabinowitz 2005, Kelly & Silver 2009). Zimmermann et al. (2005) found that more than half (64%) the cattle ranchers in the Pantanal of Brazil could not tolerate jaguars on their ranches, even though 74% felt that these cats deserved protection. Conforti & Cascelli de Azevedo (2003) identified a 63.5% level of support for jaguar permanence in Iguazú National Park (Brazil) from local livestock owners. In interviews conducted with herdsmen living in areas used by snow leopards, Oli et al. (1994) found that 52% saw the total eradication of leopards as ‘the only remedy worth considering,’ and an additional 35.3% believed that ‘eradication should be attempted first and compensation schemes implemented only if this failed.’ In this context, a 68% level of support from cattle ranchers towards jaguar reintroduction in Iberá seems to be quite positive compared to other regions where large felids and cattle coexist. However, the number of cattle ranchers that support such an initiative could likely change once jaguars start interacting with cattle.

Our quantitative results are supported by complementary qualitative data. After the study was carried out, CLT started a provincial campaign with stickers and posters using a large jaguar photograph with the phrase ‘Corrientes vuelve a ser Corrientes’ (‘Corrientes returns to being Corrientes’). As a result of this campaign, CLT staff were surprised to receive messages of support and positive excitement about the idea. Most strikingly, several of these messages came from cattle ranchers and provincial government officials or politicians. What might be even more significant is the pervasive silence about this issue from Iberá Patrimonio de los Correntinos, a local anti-envi-
ronmentalist organization led mainly by cattle ranchers and wealthy farmers, who own TV and radio programs and have been extremely vocal in their anti-conservation messages. With this quantitative and qualitative information in hand, CLT decided to halt the campaign since there seemed to be little room for improvement in attitudes towards jaguar reintroduction.

Perceptions and attitudes are highly contextual and dynamic, depending not only on the species but on the specific geographical, ecological, and cultural setting, plus its conservation story, especially in the case of reintroductions. The relevance of differences in context was highlighted by a comparative study on attitudes towards jaguars in different regions within Brazil (Dos Santos et al. 2008, Marchini & Macdonald 2012). Similarly, Maji & Bath (2010) showed how attitudes towards wolf conservation are affected by space and time within the same country.

At a certain point, minority groups can become very vocal and create a vivid climate of confrontation around the presence of large predators. This seems to be the case for wolf reintroduction in the greater Yellowstone ecosystem, where years of wolf presence in the region have not helped to mitigate a conflict that is very much alive in the public arena (Smith & Bangs 2009). More than 20 yr after the release of the first wolf pack in the area, cattle ranchers and some conservative anti-government groups are actively promoting the removal of this predator, while some environmentalists actively show their discomfort towards wolves being killed outside protected areas (e.g. http://cryingwolfmovie.com/).

On the other hand, the reintroduction of brown bears in the Pyrenees stands out as an example where the level of conflict has decreased sharply since the first animals were released in 1996. At that time there was significant opposition towards this initiative (Palazón-Miñano et al. 2011). Thus, when in 2008, 1 of these animals attacked a hunter in the Spanish Pyrenees, at least 6 newspapers and radio programs in Catalonia conducted surveys on what people thought about bear reintroduction in the region. All the surveys showed more than 70% support for the initiative, which was higher than the level of support at the beginning of the reintroduction program (J. Ruiz-Olmo unpublished data). Even more noteworthy is that after this incident, the local associations of cattle ranchers, who had been highly vocal in their opposition to bear reintroduction in the late 1990s, did not participate in any debate or complaint supporting the withdrawal of local bears, including the specific individual that harmed the hunter. Seeing this, it would be advisable to carry out a before-and-after-impact-control study that measures changes in attitudes after jaguars return to Iberá.

A key question is why the Correntinos showed such widespread enthusiasm for the return of this large predator, an enthusiasm that was not affected by gender, age, or location, and was only mildly tempered by differences in education level and occupation. This is especially puzzling in a society that has a very poor tradition of conservation agencies or environmental groups, and that has also caused the largest extinction of large mammals in northern Argentina during the 20th century (Parera 2004). It is also especially puzzling in a province that has traditionally seen itself as a cattle-ranching society.

One possible explanation may come from linguistics. As mentioned, the rural Correntinos use aboriginal Guarani as their main language. Thus being able to speak Guarani fluently is still seen as proof of true local character and integration. The word ‘jaguar’ derives from the Guarani term ‘yaguareté’ (Chebez 2008), which is what this species is called throughout Argentina. Therefore, the name of the animal connects directly with Corrientes’ deeper linguistic and cultural roots.

There are also 2 relevant phrases by which Correntinos define themselves and are defined by other Argentineans: ‘Corrientes es una república aparte’ (‘Corrientes is its own republic’) and ‘Si Argentina va a la Guerra, Corrientes la ayudará’ (‘If Argentina goes to war, Corrientes will help her’). These 2 self-defining phrases underline the isolationist character of a self-referring society that does not feel that it has to follow what the rest of Argentina does, and they also highlight the bellicose character of the Corrientinos, who would be happy to support the larger, but intrinsically different, mother-nation in case of war.

Thus, Correntinos may consider the jaguar as a powerful metaphor of their own character because it is Guarani, and therefore authentic, and it is also aggressive and ‘guerrero’ (warrior-like), as are the Correntinos themselves. This hypothesis was supported by individual conversations with cattle ranchers and government officials who pointed out the jaguar image on a poster and proudly said: ‘This animal really represents the true Correntino character and its braveness.’

The previous explanation connects the jaguar with cultural roots that are related to Corrientes’ past. This would explain why 25% of the interviewees who supported jaguar reintroduction used their provincial heritage as the main explanation. There might be a complementary reason for such support that is not related to the past, but rather to the future. Thus, 44% of
CONCLUSIONS

Formal assessments of public attitudes have been widely recommended as a prerequisite for the reintroduction of large carnivores (Clark 2009, Macdonald 2009). However, to our knowledge, this is the first assessment of this kind carried out prior to the reintroduction of a large cat. There seems to be wide support from Correntinos of all ages, gender, and locations towards the return of the jaguar to INR. It is noteworthy that this positive attitude does not come as a result of any formal campaign promoting the return of the species. Hence, it looks like jaguars were already positioned as a positive theme for Correntinos, independently of any attempt to restore the species.

We propose that this widespread support may be explained by jaguars acting as a symbolic bridge that connects a proud provincial heritage based on pre-Hispanic roots with an alternative future based on wildlife tourism, an activity that could allow for economic growth without destroying such a cultural and natural heritage. This positive social environment is complemented by the existence of a continuous natural heritage. This positive social environment is thereby enhanced by the presence of jaguars as cultural and tourist icons. Such changes in attitudes should be measured after jaguars are reintroduced to Iberá. It is within this changing landscape of values and attitudes that the managers of the INR should base and adapt their future actions.

Caruso & Jiménez Pérez: Attitudes towards jaguar reintroduction

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