

## V. AWARENESS

V.1 Please indicate the actions that have been taken by your country during the reporting period to increase people's awareness of the values of migratory species, their habitats and migration systems (note that answers given in section XVIII may also be relevant).

V.2 Please provide details for the actions selected in the previous question and indicate any specific elements of CMS COP Resolutions which have been particularly taken forward by these actions.

### Campaigns on specific topics

#### Birds

- Global Big Day (May 13, 2023; October 14, 2023; May 11, 2024; October 12, 2024; May 10, 2025) – Promotion and encouragement of the international bird census event in Brazil.
- Neotropical Waterbird Census (activities in February and July of 2023, 2024, and 2025) – Promotion and encouragement of the South American waterbird census event in Brazil.

#### Migratory Freshwater Fish

- ICMBio/CEPAM, in collaboration with partners, has been promoting actions aimed at the conservation of Amazonian aquatic ecosystems, which are fundamental for the large migratory catfish *Brachyplatystoma vaillantii* and *B. rousseauxii*. As the coordinator of the Amazon Fish National Action Plan (PAN Peixes Amazônicos, Cycle 1), CEPAM held workshops and meetings with the Technical Advisory Group (GAT), involving researchers, managers, and civil society representatives to discuss threats and conservation strategies for Amazonian fish, including the importance of river connectivity, which is vital for migratory species. Significant engagement of stakeholders (researchers, managers, NGOs, and communities) was observed in events organized or supported by ICMBio/CEPAM (e.g., PAN Peixes workshops) and by partners (e.g., Amazon Waters Alliance dialogues), in which the conservation of migratory fish and river connectivity were key themes. The reach of partner-led publications and campaigns on digital platforms also suggests a broad dissemination of information. Although a formal impact assessment was not conducted by CEPAM specifically for these species during the period, available indicators point to an increased awareness regarding their importance and the threats they face.

#### Avian Influenza

Website of the Ministry of Agriculture and Livestock containing videos, informational materials, manuals, technical notes, a communication plan, confirmed cases, and updated reports.

<https://www.gov.br/agricultura/pt-br/assuntos/sanidade-animal-e-vegetal/saude-animal/programas-de-saude-animal/pnsa/influenza-aviaria>



ICMBio webpage on avian influenza – provides institutional updates, guidance documents, monitoring protocols, and other relevant information regarding avian influenza surveillance and response in Brazil. <https://www.gov.br/icmbio/pt-br/assuntos/centros-de-pesquisa/aves-silvestres/destaques/gripe-aviaria/gripe-aviaria-1>

## Teaching programmes in schools or colleges

### Birds

- **The “Shorebird-Friendly School” Initiative**, developed by the Brazilian Bird Conservation Association (SAVE Brasil), trains and supports teachers interested in incorporating the theme of *shorebird and habitat conservation* into their school routines. The initiative aims to empower educators to teach about this topic in ways that reflect local realities and nearby natural environments. It emphasizes the use of local examples to highlight the connection between conserving the surrounding environment and the well-being of both shorebirds and local communities — including the Lagoa do Peixe National Park, a site of International Importance in the Western Hemisphere Shorebird Reserve Network (WHSRN): <https://whsrn.org/escola-amigas-das-aves-limicolas-parcerias-firmadas-entre-a-save-brasil-e-municipios-na-lagoa-do-peixe/>
- SAVE Brasil is a partner of Nature Canada, a nature conservation organization, in a project aimed at training and connecting teachers and students from both countries. The initiative strengthens the commitment to protecting threatened shorebird species, promoting the exchange of knowledge between communities that share the same species along migratory routes: <https://www.savebrasil.org.br/post/escolas-do-brasil-se-unem-%C3%A0-escolas-ind%C3%ADgenas-cree-no-canad%C3%A1-para-protoger-aves-lim%C3%ADcolas-que-vive>
- The Flyways Brazil Project aims to conserve migratory shorebirds and their habitats in the Potiguar Basin (Rio Grande do Norte), contributing to their preservation at a hemispheric level and raising awareness among society and governments about the importance of their protection in the face of climate change. In schools located in Galinhos, Guamaré, and Macau, the initiative promotes activities to share environmental knowledge with students and teachers, including: workshops, lectures, thematic circuits, birdwatching sessions: <https://www.neoenergia.com/web/instituto-neoenergia/biodiversidade-e-mudancas-climaticas/flyways-brasil>
- Launch of a Children's Book Collection Related to the Species Covered by the Marine Birds National Action Plan (PAN Aves Marinhas). A collection of children's books was launched with the aim of raising awareness and educating young audiences about the marine bird species targeted by the National Action Plan for the Conservation of Marine Birds (PAN Aves Marinhas). The initiative uses storytelling to promote environmental education, encourage interest in biodiversity, and foster a culture of conservation from an early age. The books present the life, threats, and conservation efforts of these species in an accessible and engaging way for children.

[https://www.instagram.com/p/DB9k23jhb-q/?utm\\_source=ig\\_web\\_copy\\_link&igsh=MzRIODBiNWFIZA==](https://www.instagram.com/p/DB9k23jhb-q/?utm_source=ig_web_copy_link&igsh=MzRIODBiNWFIZA==)



## Aquatic Mammals

- The Humpback Whale Institute, through the Humpback Whale Project, carries out environmental education activities in schools in Salvador, Bahia.
- The Franca Austral Project (ProFRANCA) runs the program "On Vacation with the Whales," aimed at local children and tourists in the Imbituba/SC region.



## Press and media coverage

### Birds

Between the years 2023 and 2025, several specific articles involving migratory birds, projects under development for their research, monitoring, and conservation were produced by CEMAVE/ICMBio and collaborators. These were published on the websites and social media of the Ministry of the Environment and ICMBio, and forwarded by the Communication Office of ICMBio/MMA to third parties. Among these, we highlight the following list:

- Report on Migratory Bird Concentration Areas, 4th Edition – 01/31/2023
- Global Big Day and World Migratory Bird Day – ICMBio Instagram – 05/12/2023



### Global Big Day 2023 and 2024



### World Migratory Bird Day 2023 and 2024

- World Migratory Bird Day – CEMAVE Instagram – 05/12/2023
- Albatross Day – CEMAVE Instagram – 06/19/2023
- PLANACAP Workshop – CEMAVE Instagram – 07/10/2023
- PLANACAP – CEMAVE Instagram – 10/20/2023
- Migratory Shorebirds – CEMAVE Instagram Stories – 09/19/2023
- Migratory Shorebirds – CEMAVE Instagram – 09/29/2023

- PAN Campos Sulinos – CEMAVE Instagram – 04/02/2024
- World Albatross Day – CEMAVE/Projeto Albatroz Instagram – 06/19/2024
- World Migratory Bird Day – CEMAVE Instagram – 05/10/2024
- Migratory Birds Project – Aquasis NGO Instagram – 02/05/2025  
[https://www.instagram.com/p/DFspZz8P2E8/?utm\\_source=ig\\_web\\_copy\\_link&igsh=MzRIODBiNWFIZA==](https://www.instagram.com/p/DFspZz8P2E8/?utm_source=ig_web_copy_link&igsh=MzRIODBiNWFIZA==)



**World Albatross Day 2023 and 2024**



### Community-based celebrations, exhibitions and other events

#### Birds

- 1st “Vem Passarilhar” at Lagoa do Peixe National Park, 2024
- 1st Shorebird Festival of the Potiguar Basin in Diogo Lopes, Macau Municipality – RN, 2024
- 3rd Migratory Birds Festival: Celebrating Nature and Culture in Icapuí, Ceará, 2023
- 16th Brazilian Migratory Birds Festival, Lagoa do Peixe National Park, 2023
- 1st Shorebird Festival of the Potiguar Basin in Diogo Lopes, Macau Municipality – RN, 2024
- 3rd Migratory Birds Festival: Celebrating Nature and Culture in Icapuí, Ceará, 2023
- 16th Brazilian Migratory Birds Festival, Lagoa do Peixe National Park, 2023
- The Project Aves Limícolas/Wader Quest Brasil is a civil society and conduct research on the occurrence of

migratory shorebirds along the coastline of the Sao Paulo State, as well as create protection laws for these birds (e.g., a municipal law that designates shorebirds as Municipal Heritage of the city of Ilha Comprida). It also hosts the Coastal Birds Festival, providing information about the shorebirds to the community, and educational campaigns on the beaches to discourage the presence of dogs. This group also works with the Municipal Government of Peruibe to create a protection area for shorebirds at Peruibe’s beach. Since 2019 the group has been celebrating the World Migratory Bird Day (WMBD).



1st “Vem Passarinhar” at Lagoa do Peixe National Park, 2024

## Aquatic Mammals

- Humpback Whale Festival at Praia do Forte;
- Humpback Whale Cultural Week in Caravelas;

## Engagement of specific stakeholder groups

### Birds

- In 2023, SAVE Brasil conducted training activities for municipal technicians and teachers in the municipality of Raposa, Maranhão, with support from SEMA. These activities included a workshop on migratory shorebirds in the context of tourism at Praia da Raposa, as well as field activities for bird identification and school programs for children and adolescents focused on environmental education and shorebird conservation. SAVE Brasil also carried out practical shorebird identification activities in São Luís, in an important resting area that is also a tourist spot—the Espigão Costeiro da Ponta d'Areia region. In 2024, SAVE Brasil conducted activities themed around shorebirds and community-based tourism in the municipality of Cururupu/MA, within the APA das Reentrâncias Maranhenses.
- Workshops with Conservation Unit managers in Maranhão, 2024;
- Community-Based Tourism Project developed by Aquasis, 2024.  
<https://www.youtube.com/watch?v=EpFRVW-nJpA>

- Monitoring of a working group for impact mitigation on the species *Sterna dougallii* at power transmission lines in the state of Rio Grande do Norte, in partnership with CEMAM and UFRN, as part of the Marine Birds Action Plan (PAN Aves Marinhas).
- Aquasis projects monitoring *Sterna dougallii*;
- Main research underway through Felipe Braga's doctoral work, with field collections in communities of Rio Grande do Norte and Ceará conducted in 2024 and 2025, as well as feedback sessions with these communities. The initial results were presented by Felipe Braga at the PSG and Waterbird Society Congress in Costa Rica in 2025 (Voices of the Sea: Connections between Fishers and Conservation of Roseate Terns (*Sterna dougallii*) in Galinhos, Northeast Brazil).
- Progress has been made in discussions with the Municipal Environmental Councils and City Councils of Galinhos, Guamaré, and Macau in Rio Grande do Norte, through coordination by SAVE, CEMAM, PCCB-UERN, and IDEMA-RN, led by João Damasceno (SAVE). These efforts aimed to draft bills to amend the municipalities' master plans by creating zoning for sensitive areas important to marine megafauna, including birds.
- The Migratory Birds Project by Aquasis, together with the Icapuí city government, facilitated the creation of a bill regulating kitesurfing and wing foil activities on the beaches of Icapuí. This law regulates these practices in areas sensitive to birds (Municipal Law No. 1006, December 13, 2024 – Regulates/Controls the Practice of Kitesurfing and Wing Foil).

#### Aquatic Mammals

- Involvement of artisanal fishermen in a pilot project to reduce incidental captures of the franciscana dolphin (*Pontoporia blainvillei*) through the use of acoustic alarms (pingers) on fishing nets;

#### Migratory Freshwater Fish

- ICMBio/CEPAM, in collaboration with partners, has been promoting actions aimed at the conservation of Amazonian aquatic ecosystems, which are critical for the large migratory catfish *Brachyplatystoma vaillantii* and *B. rousseauxii*. As the coordinator of the National Action Plan for Amazonian Fish (Cycle 1), CEPAM has organized workshops and meetings with the Technical Advisory Group (GAT), involving researchers, managers, and civil society to discuss threats and conservation strategies for Amazonian fish, with a particular focus on river connectivity, which is vital for migratory species.
- Additionally, ICMBio supports and recognizes the relevance of partner-led initiatives, such as the Amazon Waters Alliance, a collaborative network aligned with CMS Decision 14.111 (Freshwater Fish). This alliance has carried out awareness campaigns and outreach events (including meetings, webinars, and online publications) to highlight the ecological and socioeconomic importance of dourada (*B. rousseauxii*) and piramutaba (*B. vaillantii*), especially following their inclusion in Appendix II of the CMS, reaching key audiences such as NGOs, researchers, and local communities.

#### Special publications

##### Birds

Publications involving the CEMAVE team or collaborators from the Action Plans (PANs):

- Canani, G. et al. 2023. Seabird Interactions with hook-and-line Southeast Brazilian small-scale fisheries: fleet dynamics and bycatch rates. 11<sup>a</sup> reunião do Grupo de Trabalho de Capturas Incidentais do Acordo Internacional para a Conservação de Albatrozes e Petréis.
- Daudt, N. W., Bugoni, L., & Nunes, G. T. 2023. Plastics and waterbirds in Brazil: A review of ingestion, nest materials and entanglement reveals substantial knowledge gaps and opportunities for research.

Environmental Pollution, 316, 120615.

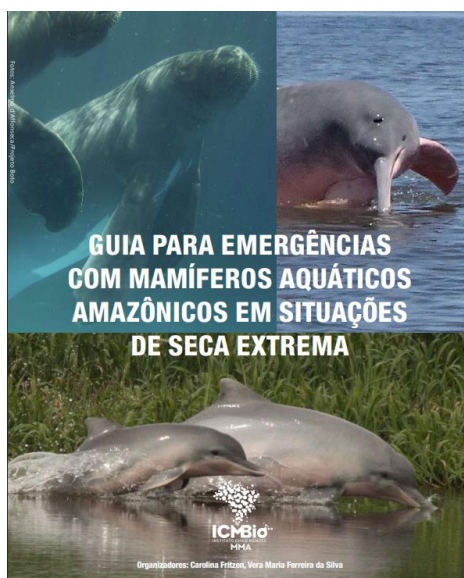
- Ralph E.T. Vanstreels, Isadora N.L. Piccinin, Marcelo Maraschin, Luciana Gallo, Patricia P. Serafini, Alice Pereira, Allan P. Santos, Leandro Egert, Marcela M. Uhart. 2023. Phthalate esters (plasticizers) in the uropygial gland and their relationship to plastics ingestion in seabirds along the coast of Espírito Santo, eastern Brazil, *Journal of Zoo and Wildlife Medicine*, 53(4), 733-743.
- Prado, J. H., Daudt, N. W., Perez, M. S., Castilho, P. V., & Monteiro, D. S. 2023. Intensive and wide-ranging beach surveys uncover temporal and spatial stranding patterns of marine megafauna. *ICES Journal of Marine Science*, 80(3), 492-506.
- FERNANDO AZEVEDO FARIA. 2023. Abundância, partição de recursos e movimento de aves costeiras migratórias e residentes na costa Sudeste da América do Sul. Tese de Doutorado. Universidade Federal do Rio Grande
- JOSE ONOFRE NASCIMENTO MONTEIRO. 2024. Padrões de Ocupação e uso de Habitats Costeiros por Aves Limícolas Migratórias na Porção Semiárida do Litoral Brasileiro. Tese Mestrado. Universidade Federal do Rio Grande do Norte
- Merchant, D., Lathrop, R.G., Santos, C.D., Paludo, D., Niles, L., Smith, J.A.M., Feigin, S., Dey, A. (2023). Distribution Modeling and Gap Analysis of Shorebird Conservation in Northern Brazil. *Remote Sensing*. 15: 452. <https://doi.org/10.3390/rs15020452>
- PORTO, LUCAS ROCHA MELO ; Mancini, Patrícia Luciano . Seasonal and spatial variation in bird diversity on rocky shores adjacent to oil exploration sites on the southeast coast of Brazil. *OCEAN & COASTAL MANAGEMENT*, v. 236, p. 106500, 2023. (<https://www.sciencedirect.com/science/article/abs/pii/S096456912300025X>)
- FARIA, FERNANDO A.; DIAS, RAFAEL A. ; BENCKE, GLAYSON A. ; BUGONI, LEANDRO ; SENNER, NATHAN R. ; ALMEIDA, JULIANA B. ; NUNES, GUILHERME TAVARES ; GONÇALVES, MAYCON S. S. ; LYONS, JAMES E. . Trends and population estimate of the threatened Buff-breasted Sandpiper *Calidris subruficollis* wintering in coastal grasslands of southern Brazil. *BIRD CONSERVATION INTERNATIONAL*, v. 33, p. E61, 2023. (<https://doi.org/10.1017/S0959270923000138> )
- FARIA, FERNANDO A.; BUGONI, LEANDRO ; NUNES, GUILHERME T. ; SENNER, NATHAN R. ; REPENNING, MÁRCIO . Spring migration of a Neotropical shorebird, the Rufous-chested Plover, *Charadrius modestus*, between southern Brazil and the sub-Antarctic Falkland/Malvinas Islands. *POLAR BIOLOGY*, v. 46, p. 373-379, 2023. (<https://link.springer.com/article/10.1007/s00300-023-03126-8>)
- MANCINI, P. L.; COSTA, T. V. V. ; DIAS, R. A. ; SILVEIRA, L. F. ; SCHUNCK, F. . Chapter 12: Mangrove and Salt Marsh's Migratory and Resident Birds. In: Yara Schaeffer-Novelli; Guilherme M O Abuchahla; Gilberto Cintrón-Molero. (Org.). *Brazilian Mangroves and Salt Marshes. Brazilian Marine Biodiversity*. 1ed.: Springer, 2023, v. , p. 1-
- ALDABE, JOAQUÍN ; PÍREZ, FEDERICO ; HACKEMBRUCK, SASHA ; MEDINA, AGUSTINA ; CASTELLI, DIEGO ; FARIA, FERNANDO A. ; FARIA, F. A. ; BOSI DE ALMEIDA, JULIANA ; LANCTOT, RICHARD B. ; ANDRES, BRAD . Merín Lagoon, Uruguay - a new important non-breeding site for the Buff-breasted Sandpiper *Calidris subruficollis*. *Wader Study*, v. 130, p. 18-24, 2023. (<https://www.waderstudygroup.org/article/16758/>)
- CEPEDA, N. L.; GUADAGNIN, DEMÉTRIO LUIS. Alert and flight initiation distances of Chilean Flamingo and American Oystercatcher to anthropogenic stimuli in a stopover site. *Journal of Ecotourism*, v. Online, p. 1-19, 2024.
- FERNANDO FARIA, MÁRCIO REPENNING, NATHAN SENNER, ET AL. Isotopic and conventional dietary approaches uncover niche partitioning among resident and migratory species in a shorebird assemblage. *Authorea*. September 12, 2024. DOI: 10.22541/au.172614019.93676777/v1
- THOMAZELLI, LUCIANO M.; PINHO, JOÃO RENATO REBELLO; DORLASS, ERICK G.; OMETTO, TATIANA; MENEGUIN, CARLA; PALUDO, DANIELL; FRIAS, RODOLFO TEIXEIRA; MANCINI, PATRICIA LUCIANO; MONTEIRO, CAIRO; AICHER, SOPHIE MARIE; WALKER, DAVID; SCAGION, GUILHERME P.; KRAUSS, SCOTT; FABRIZIO, THOMAS; PETRY, MARIA VIRGÍNIA; SCHERER, ANGELO L. ; SCHERER, JANETE; SERAFINI, PATRICIA ; NETO, ISAAC S. ; AMGARTEN, DEYVID EMANUEL. Evidence of reassortment of avian influenza A (H2) viruses in Brazilian shorebirds. *PLoS One*, v. 19, p. e0300862, 2024.

- DANIELLE PALUDO, MAXIMILIANO N. RODRIGUEZ, PAULO SILVESTRO, RODOLFO TEIXEIRA FRIAS, PATRICK JACOB RABELO, MARCELO BRAGA PESSANHA, CARLOS DAVID SANTOS, PATRÍCIA LUCIANO MANCINI. Aves Limícolas. (Shorebirds). In: Laura Shizue Moriga Masuda, Betânia Santos Fichino, Dárlison Fernandes Carvalho de Andrade, Katia Torres Ribeiro, Keila Rego Mendes, Rachel Klaczko Acosta, Tathiana Chaves de Souza. (Org.). Monitoramento da biodiversidade para conservação dos ambientes marinhos e costeiros [livro eletrônico]. (Biodiversity monitoring for conservation of marine and coastal environments [electronic book]). 1ed. Brasília: Instituto Chico Mendes, 2024, v. 1, p. 59-81.
- BARBOSA-FILHO, R.C.; G. FILHO, A.; Arantes, M.S.; SOUZA, A. E. Counting migratory shorebirds in the easternmost part of the Americas. 2024. 10th Western Hemisphere Shorebird Group Meeting, August 11-16, 2024, Mount Allison University, Sackville, Canada.
- BARBOSA-FILHO, R.C.; KRUL, R.; Arantes, M.S. ; SANTOS, L. P. S. ; DAMASCENO, J. P. T. Serão a riqueza, a abundância e a distribuição espacial de aves limícolas migratórias boas indicadores de avaliação de ações de manejo e preservação nas Unidades de Conservação do Arquipélago de Fernando de Noronha?. (Are the richness, abundance and spatial distribution of migratory shorebirds good indicators for evaluating management and preservation actions in the Protected Areas of the Fernando de Noronha Archipelago?). 2024. 17° Avistar - Encontro Brasileiro de Observação de Aves. 17 a 19 de maio, 2024. Universidade de São Paulo (USP), São PauloSP.
- LARA, MAICON PEGORARO DE. 2024. Influência das estratégias de alimentação e distribuição espacial sobre a contaminação por microplásticos em aves costeiras. universidade federal do rio grande do sul – UFRGS. Monografia apresentada como requisito parcial para a obtenção do título de Bacharel em Ciências Biológicas, com ênfase em Biologia Marinha e Costeira, na Universidade Federal do Rio Grande do Sul, convênio com a Universidade Estadual do Rio Grande do Sul. 35p.

## Aquatic Mammals

- Publication of the "Guide for Emergencies with Amazonian Aquatic Mammals in Extreme Drought Situations" by CMA/ICMBio:

[https://www.gov.br/icmbio/pt-br/assuntos/noticias/ultimas-noticias/instituto-chico-mendes-lanca-guia-com-orientacoes-em-emergencias-com-mamiferos-aquaticos-amazonicos-em-situacoes-de-seca-extrema/GuiaparaEmergenciascomMamferosAquticosAmaznicosemSituaesdeSecaExtrema\\_compressed2.pdf](https://www.gov.br/icmbio/pt-br/assuntos/noticias/ultimas-noticias/instituto-chico-mendes-lanca-guia-com-orientacoes-em-emergencias-com-mamiferos-aquaticos-amazonicos-em-situacoes-de-seca-extrema/GuiaparaEmergenciascomMamferosAquticosAmaznicosemSituaesdeSecaExtrema_compressed2.pdf)



Interpretation at nature reserves and other sites

## Birds

- Educational activities and guided birdwatching tours, as well as migratory bird censuses on land trails and boat trips, were carried out in various Federal Conservation Units, many of which were organized by the local teams themselves with participation from PAN partners.
- Interpretation and environmental education activities were conducted by Aquasis, focusing on the species *Sterna dougallii* along the coast of the state of Ceará.
- Rafael Revorêdo, in his doctoral research, has been identifying the main feeding areas of *Sterna dougallii* along the semi-arid coast of Rio Grande do Norte, Brazil. Through telemetry campaigns, consistent offshore foraging areas have already been identified. During the capture campaigns, feces and regurgitates were collected and will be analyzed by Cindy Barreto (UCONN), in partnership with Leandro Bugoni's laboratory, to identify prey items using metabarcoding techniques.

## Other

### Birds

Monitoring birds through citizen science

#### GUIDANCE TIP:

Awareness raising may include actions, steps, programmes, initiatives and/or activities described in various CMS documents, such as Resolution, [Res. 11.9 \(Rev.COP13\)](#) (World Migratory Bird Day), as well as a number of other resolutions and decisions which include specific provisions about awareness raising, including Resolutions [Res. 13.6](#) (Insect Decline), [Res. 14.18](#) (Avian Influenza), [Res. 14.17](#) (Communities and livelihoods), [Res. 14.16](#) (Ecological Connectivity), [Res. 14.15](#) (Action Plan to address aquatic Wild Meat Harvests), [Res. 14.14](#) (CMS Jaguar Initiative), [Res. 14.13](#) (Initiative for Central Asian Flyway), [Res. 14.12](#) (Single Species Action Plan for the Angelshark (*Squatina squatina*) in the Mediterranean Sea), [Res. 14.10](#) (Single Species Action Plan for the Atlantic Humpback Dolphin (*Sousa teuszii*)), [Res. 14.8](#) (Conservation and sustainable management of seagrass ecosystems), [Res. 14.5](#) (Reducing the risk of vessel strikes for marine megafauna), [Res. 14.1](#) (Samarkand Strategic Plan for migratory species 2024 – 2032), [Res. 12.6 \(Rev.COP14\)](#) (Wildlife health and migratory species), [Res. 12.11 \(Rev.COP14\)](#) (Flyways), [Res. 12.17](#) (Conservation and Management of Whales and their Habitats in the South Atlantic Region), [Res. 12.19 \(Rev.COP14\)](#) (Endorsement of the African Elephant Action Plan), [Res. 12.20](#) (Management of Marine Debris), [Res. 12.21 \(Rev.COP14\)](#) (Climate Change and Migratory Species), [Res. 12.25](#) (Promoting Conservation of Critical Intertidal and Other Coastal Habitats for Migratory Species), [Res. 11.16 \(Rev.COP14\)](#) (The Prevention of Illegal Killing, Taking and Trade of Migratory Birds), [Res. 11.17 \(Rev.COP.14\)](#) (Action Plan for Migratory Landbirds in the African-Eurasian Region), [Res. 11.24 \(Rev.COP13\)](#) (Central Asian Mammal Initiative), [Res. 11.31 \(Rev.COP14\)](#) (Illegal and unsustainable taking of wildlife), [Res. 8.12 \(Rev.COP12\)](#) (Improving the Conservation Status of Raptors and Owls in the African-Eurasian Region), and [Decision 14.194 \(Ecological Connectivity\)](#), [Decision 14.54 \(Marine Wildlife Watching\)](#) and [Decision 14.223 \(Impacts of Plastic Pollution on Aquatic, Terrestrial and Avian Species\)](#).

- 4 large positive impact
- Unknown

#### GUIDANCE TIP:

If the impact of awareness actions has been assessed by (for example) project evaluation studies or follow-up audience attitude surveys during the reporting period, those provide a basis for answering this question. If the assessment has involved any type of quantitative measure of the impact, please specify. It is recognized that such assessment studies may not always be available, in which case it is acceptable to base your answer on an informed subjective judgement. Alternatively, if there is genuinely no basis for forming such a judgement, please select "Unknown". Question V.4 gives you the opportunity to explain the basis on which you have answered question V.3.

make this assessment:

### Birds

V.3 Overall, how successful have these awareness actions been in achieving their objectives?

- 1 very little impact
- 2 small impact
- 3 good impact

V.4 Please identify the main form(s) of evidence that has/have been used to

- The forms of evidence used to quantify and assess the awareness-raising actions mentioned above included consultations with Conservation Units (UCs), program reports, photos/images/videos made available in reports, websites, blogs, social media, and other media platforms, as well as news features on television networks and publications such as manuals, books, and scientific papers.

#### **Freshwater Fish**

- Significant level of stakeholder engagement (including researchers, managers, NGOs, and local communities) was observed in events promoted or supported by ICMBio/CEPAM (such as the PAN Peixes workshops) and by partners (such as the Amazon Waters Alliance dialogues), where the conservation of migratory fish and river connectivity were central themes. The reach of partner-led publications and campaigns on digital media platforms also suggests a considerable dissemination of information. Although a formal impact assessment was not conducted by CEPAM/ICMBio specifically for these species during the reporting period, available indicators point to an increased awareness regarding the importance of these species and the threats they face.