



# EUROPEAN ASSOCIATION OF ZOOS AND AQUARIA

Annual Report 2021

# CONTENTS

1	REPORT FROM THE EAZA CHAIR	4
2	REPORT FROM THE EAZA EXECUTIVE DIRECTOR	5
3	COMMUNICATIONS COMMITTEE	10
4	CONSERVATION COMMITTEE	11
5	CONSERVATION EDUCATION COMMITTEE	16
6	EEP COMMITTEE	18
7	MEMBERSHIP AND ETHICS COMMITTEE	22
8	NATIONAL ASSOCIATIONS COMMITTEE	24
9	RESEARCH COMMITTEE	26
10	TECHNICAL ASSISTANCE COMMITTEE	29
11	VETERINARY COMMITTEE	32
12	EAZA ACADEMY	35
13	TREASURER'S REPORT	37
14	FINANCIAL REPORT	38
15	PARTNERSHIP AND FUNDING	40
16	GOVERNANCE AND ORGANISATIONAL STRUCTURE	41
17	EAZA COUNCIL (FROM APRIL 2021)	42
18	EAZA EXECUTIVE OFFICE	43
19	THE EAZA CONSERVATION DATABASE	44
20	EAZA MEMBERS	66

## GLOSSARY

**BIAZA:** the British and Irish Association of Zoos and Aquariums

**CfM:** Candidate for Membership

**Chester Zoo:** North of England Zoological Society (NESZ) / Chester Zoo

**CITES:** Convention on International Trade in Endangered Species of Wild Fauna and Flora

**EAZWV:** European Association of Zoo and Wildlife Veterinarians

**EEO:** EAZA Executive Office

**EEP:** EAZA Ex situ Programme

**ESB:** European Studbook

**NA:** National Association

**RCP:** Regional Collection Plan

**TAG:** Taxon Advisory Group

**ZIMS:** Zoological Information Management System

**ZSL:** Zoological Society of London

## Cover image

Together with biologists, veterinarians and researchers from the United States, Japan and Australia, the Koala EAZA Ex situ Programme participants joined a three-day online workshop dedicated to the Koala Retrovirus and its implications for the future management of this EEP © Daniel Zupanc / Vienna Zoo

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# MISSION AND VISION

## OUR VISION

*“Progressive Zoos and Aquariums Saving Species Together With You”*

## OUR MISSION

*“EAZA is the membership organisation that sets the standard for progressive zoos and aquariums and other partners across Europe, Western Asia and beyond. We strive continuously to define and demonstrate excellence in integrated species conservation through a transparent and collaborative approach to population management, wild animal care and welfare, representation with international organisations, conservation education, and scientific research.”*



In the Native Fish project, led by Vasco da Gama Aquarium (Portugal) in collaboration with the European Union of Aquarium Curators (EUAC), primary school children are appointed as “river guardians”. After learning about local species, such as the Western ruivaco, and the importance of vegetation for their survival and for water quality, they helped experts release human-bred fish into the river  
© Vasco da Gama Aquarium

# 1 REPORT FROM THE EAZA CHAIR



**THOMAS KAUFFELS**  
OPEL-ZOO, KRONBERG,  
GERMANY

## ZOOS AND AQUARIUMS DURING THE CRISIS – SUCCESS THROUGH FLEXIBILITY AND STRENGTH OF COMMUNITY

At the beginning of the COVID-19 pandemic in February 2020 nobody expected that things would continue into 2021 and beyond. Across every sector of society, EAZA, our Member zoos and aquariums, and all their personnel had to adjust to the situation and find the best way forward in their individual situations.

Due to the strong community across the EAZA region, our Members were keen to exchange experiences and share different approaches to solve the developing problems but, very rarely the solutions could be used in exactly the same way.

So, flexibility was the key to overcome the problems of the pandemic, and the different solutions which evolved are a very good example of the diversity of the EAZA membership that covers such a big region of our planet. Overall it can be stated that zoos played an important role in helping their local communities to get through the crisis. The value of zoos as locations where you can flee the confines of your home and access a “window” to nature was tested by the pandemic and came through stronger than ever. People returned to zoos and aquariums as soon as they were able to re-open, with some zoos even having the best visitations in their history, despite the fact that they were closed for some time.

During the first period of the pandemic, quite a few people were badly affected, and you would read about or hear from people who suffered due to lack of social contacts. Financial implications and uncertainties also played a large role. There is no doubt these social and financial aspects affected our Members too, but the EAZA Executive Office (EEO) and myself, had the strong impression that Members understood the necessity of the measurements taken by the different governments and tried to stay connected as much as possible. At this point I would like to express my thankfulness to the EEO colleagues who embraced the challenges, built platforms for interaction between the membership, arranged various meetings and conferences online, and made it possible that the communication, essential for the productivity and identification with the EAZA work, continued through this special period.

Our existing EAZA community network was the key to communicate across all different levels, mostly via online meetings. I also have to thank the colleagues in Vienna, Wrocław, Prague and Helsinki zoos, which were well prepared to host the 2021 Nutrition Conference, Education Conference, Directors’ Days and the Annual Conference.

All their work in organizing these important events for the EAZA membership to come-together in-person had to be sacrificed and rebuilt online as a result of the regulations to avoid the spreading of the COVID-19 virus.

Whilst writing the introduction to this annual report the Russian war against Ukraine started. EAZA reacted immediately and the EAZA Executive Committee agreed a published statement with a strong condemnation of the war and the promise to help Ukrainian colleagues. EAZA not only made promises but developed a fund, which was immediately used to help the colleagues in Ukraine to assure care for their animals. We thank the hundreds of institutions and thousands of individual donors who have contributed to the fund to date. It was not only EAZA as an Association who coordinated support, but also individual Member zoos, who helped in practical coordination of delivering supplies. We thank the colleagues of Łódź, Warsaw, Gdańsk, Wrocław, Berlin, Prague and Košice zoos, for their exemplary actions to get help to Ukrainian zoos.

This war and the ongoing pandemic situation make it difficult to predict the future, even for a short period. First of all I hope that the war stops and the Ukrainians find ways back to a normal life. EAZA as an Association will do its best so that zoos will be supported in their needs to regain their activities for animal care and management, education and conservation. Furthermore I hope that the pandemic will not again have such an impact on EAZA zoos and aquariums, but that these important conservation institutions regain their visitations and activities they had before.

As we hopefully return to more stable times, the ambitions of the EAZA Strategy needs prioritisation again. When this Annual Report is published, my term will have come to an end and EAZA will have elected a new Council and a new Chair at the Directors’ Days 2022 in Beauval. I wish the new steering bodies of EAZA all the best and hope that they will have as much satisfaction with their new responsibilities as I had during my time as Chair.

# 2

## REPORT FROM THE EAZA EXECUTIVE DIRECTOR



**MYFANWY GRIFFITH**  
EAZA EXECUTIVE OFFICE,  
AMSTERDAM, THE NETHERLANDS

When the COVID-19 pandemic started, I do not think that many of us thought it would go on as long as it has. Things eased slightly throughout 2021 however, many EAZA Members were still closed and/or experiencing restricted visitor entry for much of the year. Nevertheless, as the Chair alluded to in his section, people were keen to return once zoos and aquariums were able to open again. Overall, whilst many Members saw an increase in visitors in 2021 compared to 2020, there were still 34% who remained in lower EAZA visitor number categories compared to pre-COVID-19 times.

This was not the start to our new EAZA Strategy 2021-2025 and the release of our new vision *progressive zoos and aquariums saving species together with you* which I had imagined. Yet, despite the ongoing challenges, EAZA and our Members embraced this vision and continued activities with strong resilience and collaboration. I could not be prouder of all the great work carried out by everyone involved in EAZA. From our population management activities to our engagement with national, EU and global processes, our work continues to be as diverse as our membership. I am delighted to be able to share some of the many positive achievements of 2021 with you in this report.

### LEADING IN ZOO AND AQUARIUM ANIMAL MANAGEMENT AND CARE

This is one of our most active areas of work. We continued successfully delivering new style Regional Collection Plan (RCP) meetings in an online format and completed them for the following nine Taxon Advisory Groups (TAGs): Elasmobranch, Reptile – crocodiles, Raptor – vultures and eagles, Pigeon and Dove, Monotreme and Marsupial, Great Ape, Small carnivore, Bear, Marine mammal, and Antelope and Giraffid. The online format helped inclusion of the widest possible representation from additional stakeholders such as IUCN SSC Specialist Groups. Whilst we are keen to get back to in-person meetings we also recognise the need to maintain these opportunities for input in future.

RCPs are the basis of deciding the roles and goals of subsequent EAZA Ex Situ Programmes (EEPs) and, by the end of 2021, 202 new style EEPs had been approved. I would like to thank everyone involved for their contributions and commitment to making sure the programmes we choose to manage are based on scientific, collaborative decision-making towards positive ex situ and in situ impacts. I urge all Members to look at the published RCPs in the EAZA Member Area and utilise the vast amount of information contained within to aid their own institutional collection planning.

Each EEP will be guided by a Long-Term Management Plan (LTMP). 2021 saw LTMPs finalised for species ranging from Meller's duck to Gaur to Western lowland gorilla. Increased capacity in the EAZA Population Management Centre brought about by the generous hosting of staff by Prague Zoo (Czechia) and Mulhouse Zoo (France) meant that we were also able to increase the number of LTMP meetings and 'pre-LTMP check-in' meetings that were carried out. Reports are promoted in the internal EAZA eNews and available from the EAZA Member Area.

We also want to make our programme management processes and decisions more viable to all and thus the first 35 [EEP pages were launched on the EAZA website](#). These are being added to all the time and provide an excellent overview of the programme and information on the conservation roles it can fulfil.

Of course, good programme management also requires good data collection and record keeping. EAZA holds a seat on the Species360 Board of Trustees and has also been providing input into various Species360 ZIMS (Studbooks in Zoological Information Management System) products; from veterinary input into ZIMS for Medical to the substantial task of developing and transitioning studbooks into ZIMS for Studbooks. By the end of 2021 there were 520 EAZA Studbooks in ZIMS. This is an excellent achievement by all involved. Key ZIMS enhancements were added, and a variety of training resources were made available.

Leading in animal management and care also involves sharing our knowledge, and EAZA continued to openly publish Best Practice Guidelines (BPG) on a range of species. 2021 impacts slowed our usual publication rate and I congratulate all who were involved in the nine that were published; ranging from Montserrat tarantula to Sea turtles to Virus Management for Parrots species. All the BPGs can be found on the [Conservation > Programmes page](#) of the EAZA public website.



Red-bellied lemurs are one of the species to have an EEP page on the EAZA website © Chester Zoo

Part of this strategic focal area also relates to expanding animal welfare knowledge. Our in-person training and conference activities moved online, and we delivered a range of Animal Welfare Webinars and our first 'Slice of Science' video highlighting a piece of recent research. All these recordings are available on the [EAZA Video YouTube channel](#). We continued to expand the range of freely available animal welfare assessments (including translations) and started work on an EAZA Animal Welfare Assessment e-course that will be available to all in 2022.

Our scientific work via the activities of the EAZA Biobank and Reproductive Management Group (RMG) continued. The work of the Biobank can be summarised by 'more samples, more species, more institutions' as we promoted ZIMS sample storage for Biobanks, integrated thousands of historical samples from institutions, and expanded our connections with cryopreservation services. The RMG focused on adding data and factsheets to their [website](#) and answering hundreds of queries. They also delivered engaging online training with the EAZA Academy and at the joint European Association of Zoo and Wildlife Veterinarians (EAZWV) and American Association of Zoo Veterinarians (AAZV) conference.

Another important way we lead in zoo and aquarium management and care is through our extensive Standards, Guidelines, and accreditation procedures. Carrying out Member screenings as part of the EAZA Accreditation Programme is an established cornerstone of our work.

This was clearly one area of EAZA activities hit worst by the pandemic. We had a small travel window in the summer when a few screenings could occur before restrictions were brought back in; the new aim is to complete screenings for all outstanding Members by the end of 2023.

### MAXIMIZING CONSERVATION IMPACT AND ENGAGEMENT

Our Which Fish? Campaign (2020-2021) had the potential to be another casualty of the pandemic however, we were pleased to see 149 institutions join, 27 of whom were non EAZA Members. The Campaign focused on sustainable use of aquatic resources and ran in partnership with the European Association for Aquatic Mammals (EAAM) and the European Union of Aquarium Curators (EUAC). Participants signed up to an average of six commitments across options related to improving sustainable consumption by people and animals, and sustainable collection planning. The Resources Centre and *Green list of sustainable European marine species* are still accessible on the [Which Fish? website](#). The Annual Conference saw the launch of our next Campaign, EAZA21+. You can read more about the campaign in the Conservation Committee section of this report.

One of the key tools in helping us measure our conservation activities is the [EAZA Conservation Database](#). EAZA Members continue to add their projects to help create an overview of all our Members' conservation activities. 2021 also saw the launch of our interactive [Conservation Database Map](#) where anyone can search for projects in the database by

year, species, location and Member. These tools enable EAZA to give a more complete picture of the extensive scope of the conservation work our Members are involved in. An infographic of 2021 contributions is given on page 44. It is good to see that EAZA Members continued to carry out conservation activities in all regions of the world and across a vast range of species despite the challenges the year brought. However, it continues to be disappointing that more EAZA Members do not add their data. The information in the database aids many decisions and is invaluable in our communication efforts to raise the profile of EAZA and the work of our Members. Members should be aware that after many years of positive encouragement and support to add data, we are now at the stage where sanctions will be issued in future for non-compliance. I encourage every Member to contribute their data as part of their regular activities so that we can share the true representation of all the great conservation work carried out by all.

The 'engagement' aspect of this strategic focal area is largely overseen by our Conservation Education Committee. They embraced the continuing need for online activities and were active in a variety of training events and conference. We were able to combine our planned EAZA Education Conference with a request from the International Zoo Educators Association (IZE) and successfully deliver an International Conservation Education Conference to nearly 300 delegates from 55 countries. The global online event took place continuously from 8-10 October with hosts from around the world taking over as their time zones allowed! There was an excellent representation from EAZA-affiliated delegates and presenters, and I applaud everyone's dedication to the 24-hour programme and sharing our work with a global audience.

One of the few in-person events that took place in 2021 was the twice-postponed International Union for the Conservation of Nature (IUCN) World Conservation Congress in Marseille, France. Staff from the EAZA Executive Office and EAZA Members joined the 5,000+ attendees on site; a further 4,200 delegates joined online. The Congress consisted of many high-profile presentations and panels, as well as the important tasks of agreeing motions that were unable to reach consensus during the online process, approving numerous positions within IUCN structures, and the general business of approving budgets and work plans for the next quadrennium and beyond. I want to take this opportunity to thank all Members who took part in the programme, supported the Reverse the Red Pavilion, and contributed to key votes. I can confidently say that our representation built massively on what we were able to achieve at the previous Congress. We have really set the stage for EAZA and zoos and aquariums to be part of integrated solutions to maximise conservation impact and engagement.

### **REPRESENTING OUR COMMUNITY AT NATIONAL, EUROPEAN UNION, AND INTERNATIONAL LEVELS TO INFLUENCE POLICY AND GOOD PRACTICE**

Our EU Policy team continued to successfully coordinate our engagement with the EU, working closely with many of our Committees, TAGs, and individual Members to provide specialist input. Work at the national level was especially important to raise awareness of the needs of zoos and aquariums and vital animal care and conservation work they continued to carry out we started to emerge from the pandemic. Our National Association members were especially good at coordinating and sharing experiences.



EAZA zoo and aquarium representatives gathering at the Reverse the Red Pavilion during the IUCN World Conservation Congress  
© Sandrine Camus

We continued to engage on the EU Biodiversity Strategy for 2030. This involved different activities such as approaching MEPs prior to the European Parliament response to the Strategy and integrating potential involvement into the next EAZA Campaign: EAZA21+. A key element of this campaign is for EAZA and our Members to strengthen our position as a trusted partner in the biodiversity policy frameworks.

The easing of the pandemic restrictions also brought post-Brexit issues back to the fore. It was good to see EAZA Members working with staff from the Executive Office and colleagues at BIAZA to address problems that have severely impacted the animal transfers between the UK-EU and vice versa. Running alongside this was the roll out of the new EU Animal Health Law. Whilst this brought a welcome harmonisation of many pieces of veterinary and health legislation to the EU, it also threw up another potential complication to movements of animals between UK-EU. Our thanks to the EAZA Veterinary Committee and colleagues at the EAZWV for their involvement in lobby work to raise our concerns and offer solutions.

EAZA continued our work as part of an EU-funded, IUCN-led consortium, with the Animal & Plant Health Agency, Eurogroup for Animals, Newcastle University, and the European Alliance of Rescue Centres and Sanctuaries on Identification, Assessment, Sharing and Dissemination of Best Practices for Humane Management of Invasive Alien Species. This involved coordinating with experts and assisting in the delivery of three virtual workshops to Boreal, Atlantic, and Pannonian regions to disseminate information. Finalisation of this project will occur in 2022 with production of a manual of regional practices and summary stakeholder workshop. We also worked on another EU-funded project with VetEffect and Milieu regarding better implementation of the EU Zoos Directive. The planned face-to-face workshops had to be adapted to an online format of half day sessions over a number of weeks. These were delivered twice, and we were pleased with the high number of national licencing authorities and other stakeholders from across the EU who attended. We look forward to being able to deliver face-to-face training at EAZA Member institutions in 2022.

Thanks to additional capacity brought about by actions in the previous EAZA Strategy we continued our work towards the CITES Conference of the Parties 'CoP 19' due in 2022. Representatives attended Standing Committee and Animals Committee meetings and were involved in ongoing discussions about Source Codes and Purpose Codes, Appropriate and Acceptable Destinations, and taxa specific matters on species such as tigers and songbirds. Our increasing engagement is important to make sure our interests are represented, and our vital *in situ* and *ex situ* conservation work and knowledge is shared and our animal movements are not unnecessarily restricted.

## FACILITATING, GUIDING AND PROMOTING OUR VALUES AND SCIENTIFIC WORK

With the ever-increasing activities of EAZA it is vital that our internal and external communications reflect this. To ensure we uphold our standards of openness and transparency, EAZA publishes our finalised Standards, Guidelines and Position Statements on the public website. We use our guiding documents to inform not only our Members but also the wider world about our values and positions. The Annual General Meeting in 2021 saw approval of updates to the EAZA Membership and Accreditation Manual and a new Position Statement on Reintroduction of Elephants from Zoos.

Social media play an increasingly visible part in how people receive and relay information and EAZA is utilising this through the [EAZA LinkedIn page](#) and [our main Facebook page](#) (@EAZA01), 'EAZA Academy' Facebook page, and 'EAZA Animal Welfare' Facebook group. In 2020 we launched our '[EAZA official](#)' Instagram page and this continued to grow in 2021. If you are not connected, then I urge you to follow these feeds and stay up to date with EAZA developments.

Promoting EAZA should be carried out by more than just the social media managed by the Executive Office. To help EAZA Members speak in a coordinated voice on their own social media channels, the Communications Committee gave presentations on this topic at events and launched a Social Media Toolkit for Beginners. The Committee also launched the EAZA Communicators' Network. Quarterly meetings of the network will provide an opportunity for communications professionals from across the community to discuss emerging topics and identify possible synergies to amplify our values and scientific work with a strong, united, voice.

Zooquaria remains an informative and popular magazine and our open-access Journal of Zoo and Aquarium Research (JZAR) continues to be a resource for novel, peer-reviewed research papers, reviews, technical reports and evidence-based case studies that are relevant to all aspects of our community.

Usually in this section I mention the success of our Annual Conference as another example of how we communicate our values and expertise. Once again, we needed to hold this event online. We engaged the services of an external company and were able to plan and deliver an extensive programme across six channels, including many livestreamed sessions. Whilst we were delighted to welcome nearly 1,000 delegates from 321 institutions across 67 countries and territories, I am sure I am not alone in looking forward to the time when we will be able to be back in-person again, nevertheless, we should not forget some of the inclusivity and extended reach benefits that the online formats have provided us with.



## MANAGING OPERATIONS TO REDUCE OUR ENVIRONMENTAL FOOTPRINT

This fifth focal area of our new EAZA Strategy 2021-2025 is all about evidencing that we 'walk the talk'. In essence, if we are encouraging policymakers and citizens to reduce their impact on the environment then we should be doing this as an Association and in our individual institutions as well. We carried out a baseline survey in 2020 to understand existing practices and strategies and used this to help guide actions in 2021. High numbers of Members are already avoiding the use of harmful pesticides and chemicals in their operations, reducing energy usage, and reducing waste to landfill whereas only a handful had established CO<sub>2</sub> offset schemes in place. Many Members have developed their own sustainable procurement policies, but disappointingly low numbers were aware of the EAZA Guidelines in this area that could have helped them. Over 70% of respondents knew about the Sustainable Development Goals in concept form, and many asked for support in integrating them into their institution policy and practice. All these results helped guide content for Zooquaria articles and presentations at conferences. The Executive Committee also started the process of reviewing ALL current EAZA policies to assess what advice was in place about managing operations and if/where there were gaps and what would be the best way to address them. Keep checking our various communication channels and events for further good practices and inspiration.

## THE PEOPLE OF EAZA

Last but not least I come to the people of EAZA. This is not a specific focal area identified in our new Strategy however, without the dedication, expertise, and enthusiasm of people throughout our community we would not be able to achieve the vast amount of work shared in this Annual Report. I extend my heartfelt thanks to everyone who engages with EAZA and our activities; from attending an event or completing a survey request, to running an EEP or chairing a Committee, to the whole host of other activities too numerous to mention here. I would also be remiss if I did not make special mention of the amazing team in the EAZA Executive Office who I feel immensely privileged and proud to work with.

It has undoubtedly been a tough few years, and it will likely be a few more before we establish our 'new normal'. As Thomas has mentioned in his Chair's report, the horrible war in Ukraine at the start of 2022 has brought even more challenges to our world. Nevertheless, I truly believe that the values which brought EAZA together at the start still hold true today; a desire for collaboration for the greater good, an openness to sharing good practice, encouraging each other to always strive to do better, and that species conservation is intrinsically valuable and should be above political manoeuvrings. By staying true to these values we will continue as a strong Association fulfilling our new vision to be *progressive zoos and aquariums saving species together with you*.



Water management is a focus for operational sustainability in EAZA zoos – one example is this reed bed filtration provided by Twycross zoo's constructed wetlands, which also provide a habitat for local species © Nicola Williscroft

# 3 COMMUNICATIONS COMMITTEE

In 2021, with the start of the new strategic period, the EAZA Communications Committee undertook several of the measures proposed in 2020 to progress the quantity of voices and quality of messaging celebrating the conservation, engagement, scientific research and other work of progressive zoos and aquariums.

The first such measure was to encourage staff working at EAZA Members to speak up about their work on their own social media channels, and the Committee was glad to launch a *Social Media Toolkit for Beginners* to assist network users to create interesting content and build networks. The toolkit is available in the Documents section of the EAZA public website ([www.eaza.net/about-us/eazadocuments](http://www.eaza.net/about-us/eazadocuments)).

Also in 2021, the Committee launched the EAZA Communicators' Network, which aims to bring together communications professionals from across the community to discuss possible synergies and joint projects. The Network's first meeting took place as part of the Committee's meeting at the EAZA Annual Conference and discussed the need for progressive zoos and aquariums to support each other by promoting each other's successes. This aims to show that a coherent community of such institutions continues to have the potential to contribute strongly to public understanding of nature and to the conservation of species. The Network will meet quarterly throughout 2022 and beyond.

The EAZA Strategy 2021-2025 also calls for the creation of a panel of experts from across the community with the aim of placing relevant testimony from zoos and aquariums in contexts where it can be most helpful for the conservation of species, the building of coherent policy to protect and restore nature and the guiding of future educational and scientific advances. The list was opened in 2021, and the Committee urges Members to contact the Executive Office to put staff in touch with experts who may be willing to share their time and knowledge for the advancement of the community and its aims.

Evidently, the ongoing pandemic meant that communications about the successes of zoos and aquariums were overshadowed by the need to address challenges faced by Members, from the management of visitor numbers to meet requirements of social distancing, to the financing and support of institutions. Nonetheless, the community's continued commitment to its core missions has meant that there has been no significant interruption in the flow of information from institutions, and only a minor delay in the implementation of the communications tasks in the EAZA Strategy.



**SANNA HELLSTRÖM**  
HELSINKI ZOO, HELSINKI,  
FINLAND, CHAIR

Committee meetings were held in June and September, both online, and the Committee looks forward to meeting again in person in 2022 – the first such meetings for the Committee as constituted at the end of 2019. In the meantime, the Committee urges Members to add their communications staff to the Communicators' Network, to review the tasks set out in the Strategy, and to continue the good work of mutual promotion, engagement of new voices from the community, and the placement of experts in relevant forums. We look forward to a productive 2022 and hope to see as many Members as possible at the meetings of the Network and the Committee during the year.



Feel free to share the Social Media Toolkit for Beginners with your staff and encourage them to talk about their work on their personal accounts © EAZA Communications

# 4. CONSERVATION COMMITTEE

The EAZA Conservation Committee aims at:

- Promoting and encouraging an increase in (field) conservation activities by EAZA Members
- Developing, coordinating, and supporting EAZA-organised conservation activities
- Supporting and evaluating Members in meeting the EAZA Conservation Standards
- Facilitating the link between EAZA, its Members and other conservation organisations and field conservationists to increase conservation impact and activity
- Communicating the good conservation work that EAZA and its Members do both internally and externally

During the year 2021, Radosław Ratajszczak (Wrocław Zoo, Poland) stepped down from the Conservation Committee. Several meetings were held online to progress with a number of topics outlined in the EAZA Strategy 2021-2025. Even though like everyone, the Committee experienced the continued limitations in working abilities due to the restrictions and impact of COVID-19 on capacity within the membership, the Committee managed to continue its important work of which the activities and progress made are presented below.

## EAZA CONSERVATION CAMPAIGNS

During 2021, the general guidance and setup of EAZA Conservation Campaigns was finetuned and new guidelines are now available to the membership. The main adaptations focus on getting more detailed proposals with specific focus on importance of recruitment of campaign teams and integration into the EAZA Conservation Database. The guidance material is now also providing approaches/ topics that should be considered for inclusion in a proposal as well as information about the selection procedure and involvement of other EAZA structures, like the EAZA Conservation Education Committee.

During 2020, the idea of creating a different campaign came about following the adoption of EAZA's new vision statement: "Progressive zoos and aquariums saving species together with you". It places us in the complicated global puzzle of biodiversity conservation, just as a new piece is being added to the puzzle: the global post-2020 framework of biodiversity conservation. This post-2020 framework can be a real game changer, if it manages to unite all actions under the common goal, and if it causes a true transformative change in people's approach to nature. For this to happen, all citizens and all sectors of the economy and society need to be on board, and this includes modern zoos and aquariums as well



**ERIC BAIRRÃO RUIVO**  
BEAUVAL ZOO, ST AIGNAN,  
FRANCE, CHAIR

as NGOs like EAZA. An internally focussed campaign was consequently launched in September 2021 – the EAZA21+ Campaign (2021-2023) – were we want to try and define the role of our community in this challenge and in the new global framework. At the end of the campaign the staff in EAZA Members should have many practical ideas for the coming years and decades, so that we can profit from the opportunities of the framework. This will allow the EAZA community to make the biggest possible contribution to the ultimate goal of "saving species together".

## EAZA CONSERVATION FORUM

The next EAZA Conservation Forum is scheduled for Spring 2022 and Zagreb Zoo (Croatia) has kindly agreed to host the event again, after it was cancelled in 2020 due to COVID-19 restrictions. In 2021 the preparations restarted, registrations were opened, and the programme is under development.

During the event we will aim to highlight themes that illustrate collaborations between zoos/aquariums and partners, projects supported with (EU LIFE or other) funding mechanisms and opportunities for raising and receiving conservation funds/grants. As the Forum will be held in Croatia, special attention will be paid to conservation efforts from Croatia and surrounding countries. Following EAZA's new vision statement, we also want to explore and showcase the potential of zoos and aquariums in the context of ongoing conservation work towards species-oriented goals of species action plans. Finally, we want to showcase methods to measure or monitor impact of conservation efforts, small and large.

## EAZA FIELD CONSERVATION STANDARDS

The Committee reviewed the existing Conservation Standards in 2021 and decided to work towards Standards that describe what involvement in field conservation



No-contact activity developed to raise awareness of the Which Fish Campaign which ended in December 2021 © Leningrad Zoo

is expected from EAZA Members. The proposed Field Conservation Standards are intended for EAZA Member activities involving the planning, management (incl. evaluation), financing or implementation of field conservation activities; and should be considered alongside other EAZA Standards, Guidelines and Strategy, especially the Conservation Education Standards and the EAZA Population Management Manual, which describe *ex situ* conservation standards, to guide the development and delivery of integrated holistic strategies for positive conservation impact. The draft Field Conservation Standards will be discussed in 2022 by EAZA Council.

### EAZA CONSERVATION DATABASE

The entry of conservation activities of EAZA Members into the EAZA Conservation Database (ECD) continued in 2021. The information gathered is a resource for the community itself and for the Association. On the EAZA public website and social media, conservation activities of our Members are highlighted monthly as Conservation Database Snapshots. The information gathered so far has informed EAZA Taxon Advisory Groups (TAGs), individual Members and the Executive Office. Information from the ECD was used in documentation and publications to inform TAGs, (responses to) press releases, presentations and articles. In August 2020, a survey was distributed among the

Conservation Contacts and Directors at EAZA Member institutions with the aim to help identify opportunities to improve uptake and input into the ECD. In 2021, the preliminary results have been used to develop a proposal towards EAZA Council for a framework to highlight and monitor the obligatory annual entry of information.

An interactive [EAZA Conservation Map](#) illustrating our Members' conservation efforts across the world, based on the information in the ECD, was launched in May 2021. Now all visitors of the [EAZA website](#) can browse the conservation activities of our Members.

### CONSERVATION TRANSLOCATION GROUP

The year has been challenging for this Working Group (WG), no new activities were reported to have taken place during 2021.

### IMPORTED DEFORESTATION AND SUSTAINABLE AGRICULTURE WORKING GROUP

The WG has produced white paper guidelines for Imported Deforestation and Sustainable Agriculture which will provide the EAZA membership with context on deforestation relating to agricultural commodities and will give recommendations to Members. Initial discussions with the membership will take place at the EAZA Conservation Forum in May 2022.

The guidelines currently include palm oil, meat and soya and timber as forest risk commodities, but these will be expanded in scope as more information on commodities such as cocoa, coffee, maize, rubber and coconut oil come to the fore. Both the EU and UK have new legislations focused on forest risk commodities coming into legislation. The WG and EAZA Executive Office (EEO) continue to be in the loop on this and engage where required. The group is also linked into the BIAZA and WAZA respective working groups, ensuring a flow of information across the sector.

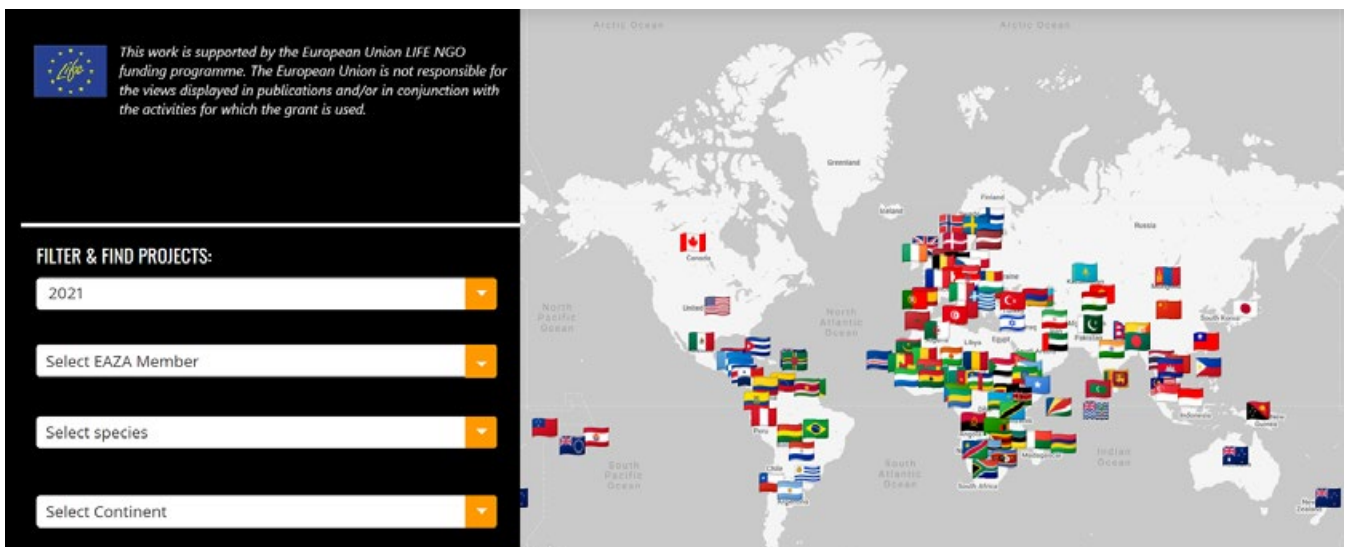
### WILDLIFE TRADE WORKING GROUP (WTWG)

Due to the persistent COVID-19 pandemic, the WTWG was forced to postpone its first annual meeting again. The 2020 plan of producing an “EAZA Position Statement” concerning wildlife trade and COVID-19 was abandoned, because its relevance in 2021 had receded. The draft Position Statement was rewritten into a short piece, *In the Shadow of COVID-19*, and was published in Zooquaria 113.

In addition, a planned “Preliminary status review of EAZA Members and wildlife trade” was put on temporary hold to coordinate and contribute with overlapping CITES activities EAZA is involved in as well as to redesign the status review to become a component as a wider EAZA exercise. The WTWG Chair and several WG members participated in a number of joint meetings with those involved in CITES, the EAZA EU Policy team and the EEO in formulating and developing the EAZA21+ Campaign which aims at “looking inwards” to better familiarise all Members with the existing EAZA acquisition and disposition policies and Standards as well as improve possible advocacy engagement with the European Union.

### FUTURE WORK

Looking ahead, the Conservation Committee is looking forward to advancing the objectives included in the new EAZA Strategy for 2021-2025. Most importantly, the Committee will work towards getting the Field Conservation Standards approved, support delivering the EAZA21+ Campaign while also looking for the next campaign topic, continue to increase visibility and completion of the EAZA Conservation Database as well promote and encourage the conservation efforts across the EAZA community.



Visit the EAZA Conservation Map at <https://map.eaza.net> © EAZA

# EAZA CONSERVATION DATABASE

The EAZA Conservation Database is an online tool to facilitate and coordinate cooperation and communication on conservation efforts of our Members within as well as outside of the zoo and aquarium community.

Each month we highlight the database or one of the projects it contains. The main achievements of the projects highlighted in 2021 for the Conservation Snapshots are summarised below. For a breakdown of all the projects submitted in 2021, please see the list on pages 44 to 65.



© Limbe Wildlife Centre

## AFRICAN GREY PARROT REHABILITATION

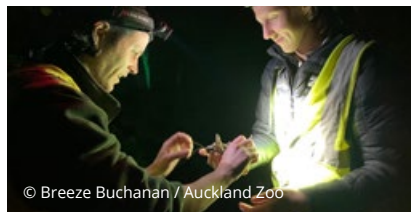
- In 2021, 400 African grey parrots (AGP) were rescued from illegal trade and 171 were reintroduced into the wild
- Vets performed 1,200 full health checks on AGP
- 10 large billboards with environmental education and anti-poaching slogans were placed at major roads
- Completion of the first rehabilitation aviary for AGP in Cameroon



© SwaraOwa

## COFFEE AND PRIMATE CONSERVATION PROJECT

- The 8<sup>th</sup> Sokokembang Primate Field Course was held in May 2021 providing training in basic methods of gibbon survey and in capacity building for young primatologists and conservationists
- A gibbon vocalisation-based survey and monitoring were conducted in three new locations in the Dieng Mountains (Indonesia) and five groups were found
- A report about the negative impact of COVID-19 on the activity of Owa Coffee sustainable enterprises was published in the Oryx Journal



© Breeze Buchanan / Auckland Zoo

## WĒTĀPUNGA BREED AND RELEASE PROGRAMME

- Six experts searched the Hauturu-o-Toi Island (New Zealand) for five days to find 12 founder wētāpunga of the correct age and sex. They were collected to provide additional bloodlines to the breeding programme. Pairs quickly established at the zoo and the first nymphs hatched by early January 2022
- 81 wētāpunga (offspring of previously collected individuals) were released onto three islands
- Thanks to collaborations with Project Island Song and the Department of Conservation, the releases generated media interest and great support from representatives of Māori, the various Island caretakers, students from local schools and naturalist Ruud Kleinpaste



© Okapi Conservation Project

## OKAPI CONSERVATION PROJECT - EPULU CENTRE

- The Epulu Women's Centre (Democratic Republic of Congo) opened on International Women's Day to empower women reducing impact on surrounding forests
- Over 400 households benefited from sustainably grown gardens, eliminating incursion into- and destruction of- critical okapi habitat
- New radio equipment in Epulu now allows the Okapi Conservation Project to broadcast their conservation messages to communities in the Southern part of the Reserve



© marinecultures.org

## CORALS AND SPONGES IN ZANZIBAR

- In September, a young coral protection ranger team was trained and coached by marinecultures.org
- In November, marinecultures.org entered into a new partnership with Oceans Without Borders (OWB), a non-profit organisation committed to marine conservation in Africa
- The aim of the partnership is to reforest damaged reefs around Mnemba Island on Zanzibar



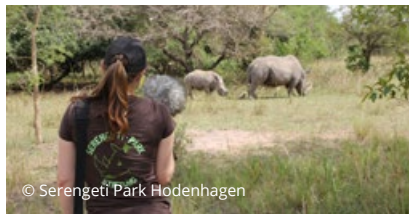
# SNAPSHOTS 2021



© GaiaZOO

## STICHTING PAINTED DOG CONSERVATION

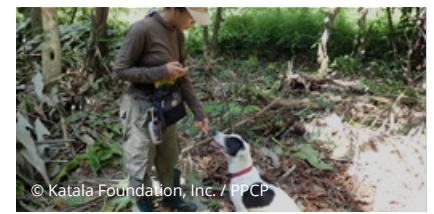
- As the COVID-19 restrictions got lifted, GaiaZOO was able to organise a Painted Dogs Conservation (PDC) sale in the summer of 2021. With a stall installed at the zoo, the team raised awareness and funds: an impressive € 2,350 were collected in two days
- The amount was doubled by Gaia Nature Fund and donations went to PDC to help their anti-poaching teams



© Serengeti Park Hodenhagen

## RESEARCH IN WHITE RHINOCEROS COMMUNICATION

- Due to COVID-19 restrictions, little progress was made in terms of collecting new data
- However, a lot was done in data analysis with the project leader analysing all previously collected videos of 10 wild rhinos (70 hours in total) to mark behaviours and calls, as well as 45 hours of audio recordings
- A scientific article was also written for publication in 2022



© Katala Foundation, Inc. / PPCP

## PALAWAN PANGOLIN CONSERVATION PROGRAMME (PPCP)

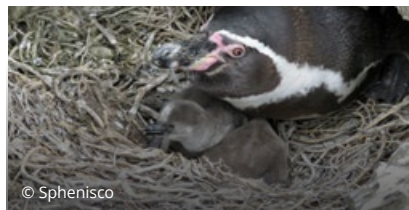
- All three dogs of the PPCP showed potential to be detection dogs but the COVID-19 restrictions negatively affected activities, including training schedules
- The decision was made to concentrate efforts on Pantas, as this female was able to receive the most consistent training and had a good performance record
- Pantas made good progress and was able to locate a rehabilitated pangolin that was released in the forest



© Darryn Epp - ANCOT

## TECHNICAL ASSISTANCE FOR MARKHOR CONSERVANCY SARSARAK

- Experts from the Association of Nature Conservation Organisations of Tajikistan (ANCOT) conducted multiple field trips across Tajikistan to implement strategically important projects, including one in the Baljuvan region focusing on conservation of Urial sheep and wild fruit trees
- Thanks to ZGAP's support, ANCOT was able to conduct various solo projects. Others were conducted in partnership with other NGOs
- ANCOT continues to provide assistance (on a voluntary basis) to the Environmental Ministry to develop a Snow Leopard Management Plan



© Sphenisco

## CONSERVATION OF THE HUMBOLDT PENGUIN IN CHILE AND PERU

- Sphenisco-funded research on population surveys and breeding success started in Chile and Peru
- In October, the systematic survey of the population numbers in the five most important Chilean breeding areas started and counting is still ongoing
- Research on population numbers and developments on the Peruvian Ballestas Islands started in November
- When islands are hard to reach, breeding success is monitored with the help of drone imagery



© marinecultures.org

## AFRESH PROJECT

The AFRESH team successfully:

- conducted a seven-day field trip to assess the current country-wide status of six threatened endemic fish species of Greece and two top alien invasive species, targeted with both conventional fish sampling and the eDNA method
- transferred 48 Corfu killifish to a spring habitat in the Acheron basin, acting as an *in situ* refugia
- collected individuals of the threatened Trichonis dwarf goby, Trichonis blenny and the Greek stickleback to test the viability of setting up aquarium stocks for breeding purposes
- launched their website (<https://afresh.hcmr.gr>)



# 5 CONSERVATION EDUCATION COMMITTEE



**ANTONIETA COSTA**  
LISBON ZOO, LISBON,  
PORTUGAL, INTERIM CHAIR

Once again, this was a year of primarily online activity for the EAZA Conservation Education Committee (CEC). All events and major meetings took place online, including two formal Committee meetings which took place in May and November.

## EAZA STRATEGY 2021-2025

The Committee's work focused largely on strategic objectives from the new EAZA strategy. For the CEC, the action plan links not only to the overall strategic objectives for EAZA, but also to the EAZA Conservation Education Standards with an emphasis on supporting Members in achieving the standards.

The Committee has broken down its planned activities into several categories: animal programme liaison, professional development, communication, conservation, sustainability, events, Conservation Education Standards, research and evaluation, and networking. Subgroups within the Committee have been assigned to work on these areas, with the groups meeting independently in between full Committee meetings to complete tasks.

Some important achievements from the different subgroups in 2021 were the successful delivery of an online Conservation Education Evaluation course offered by Chester Zoo (UK) and the EAZA Academy, production of several articles for Zooquaria, support on wrapping up the Which Fish? Campaign and developing aspects of



the EAZA21+ Campaign, and production of guidelines on conservation education planning. Further work linked to events and communication is detailed below.

## CONSERVATION EDUCATION AT CONFERENCES

Again in 2021, all conference activities took place online. The Committee had two major targets for the year. The first was a plenary session on the topic of 'Building Cohesive Engagement Strategies in Zoos and Aquariums' at the EAZA Annual Conference in September, which featured a mixture of education and communication specialists and examined ways we can improve engagement and communication both within and between our institutions.



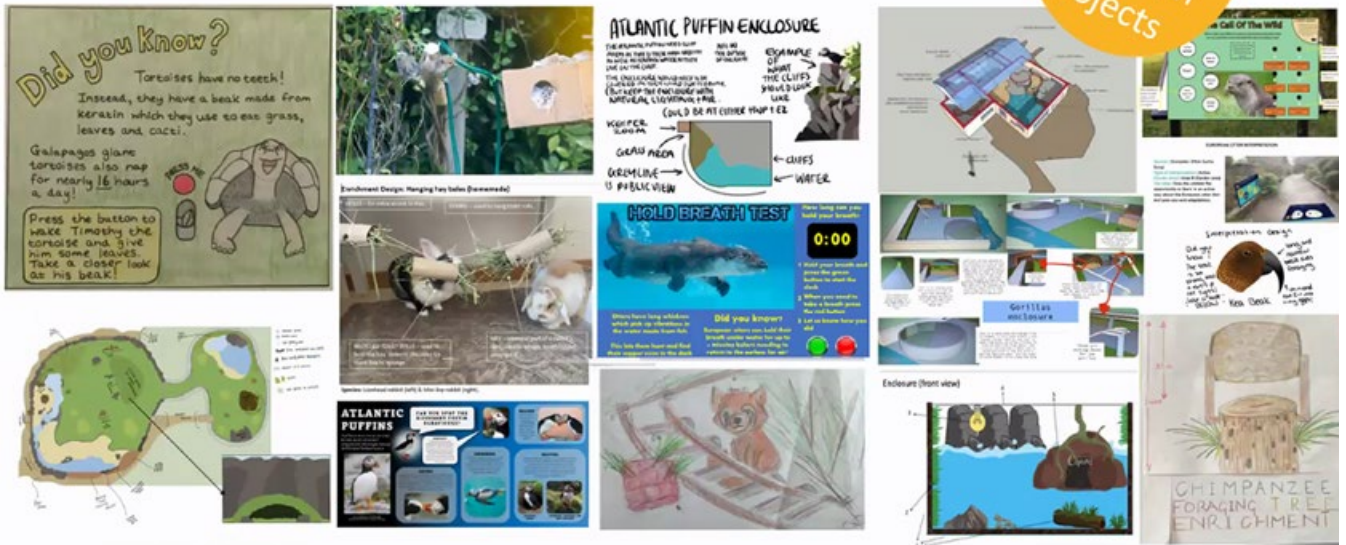
Jamboard of evaluation barriers, identified during the first online Conservation Education Evaluation course © EAZA Academy





# Assessment Evidence

~500 Unique Lockdown Projects



Discussing assessment evidence with Blair Cockburn during the talk *Converting Onsite Learning to Online Learning*  
© The Royal Zoological Society of Scotland

The second target for the year was the successful delivery of the International Conservation Education Conference which replaced the planned EAZA Education Conference in Wrocław (Poland). This event was jointly organised by the CEC, Wrocław Zoo, and the International Zoo Educators Association (IZE). The Committee has maintained links with IZE for many years, but this was the first time we organised a joint event. The Conference took place online from 8-10 October and featured 294 delegates from 55 countries. Just under half of the delegates were EAZA-affiliated and around 50% of the presentations were delivered by EAZA-affiliated presenters, providing an excellent opportunity for us to share our work with a global audience. The conference was very well-received by delegates, but the Committee is looking forward to a return to in-person meetings for the next EAZA Education Conference in 2023.

## EAZA CONSERVATION EDUCATION FACEBOOK GROUP

The EAZA Conservation Education Facebook group continued to be a valuable tool for the Committee and the wider conservation education community in 2021. The membership of the group expanded from 3,400 members at the end of 2020 to 3,850 at the end of 2021, and the group received a total of 538 posts through the year, sharing information about events and research, celebrating successes and seeking support.

## CHANGES TO THE COMMITTEE

The largest change to the Committee in 2021 was the departure of Arlete Sogorb (Lisbon Zoo, Portugal) as Chair. Antonieta Costa (Lisbon Zoo) was appointed as Interim Chair in her place. Zsuzsa Petró (Sóstó Zoo, Hungary) also stepped down as a regional representative. The Committee would like to thank Arlete and Zsuzsa for all of their hard work and contributions to the Committee. The Committee also welcomed two new Committee members in 2021, Christian Dienemann (Nuremberg Zoo, Germany) joined as a regional representative and Steve Nash (Paignton Zoo, UK) re-joined the Committee to act as the Animal Programme Liaison.

# 6

## EEP COMMITTEE



**ACHIM JOHANN**  
NATURZOO RHEINE, RHEINE,  
GERMANY, CHAIR

The EAZA EEP Committee, with support of the team at the EEO, made further progress on a variety of topics included in the EAZA Strategic Plan 2021-2025 as approved in 2021. The Committee met multiple times online: at the mid-year meeting in March, at the end of August, in early September and during the EAZA Annual Conference.

There were several personal changes in 2021. Due to unforeseen circumstances the Chair, Mark Pilgrim (Chester Zoo, UK) had to resign from his position. Achim Johann (NaturZoo Rheine, Germany), Vice Chair at the time, was willing to step in, supported by Ewa Wikberg (Nordens Ark, Sweden) who volunteered to step in as interim Vice Chair. Radosław Ratajszczak (Wrocław Zoo, Poland) was at the end of his term in September and retired shortly after that. Two new EEP Committee members were recruited to fulfil the resulting vacancies - Kirsten Pullen (Wild Planet Trust, UK) and Severin Dressen (Zürich Zoo, Switzerland) – and both joined the Committee in September after approval by EAZA Council.

There were a number of challenges for the EEP Committee to deal with in 2021. First, there was the continued impact of the COVID-19 pandemic and the resulting practical consequences and limitations. Secondly, the consequences of the UK leaving the EU, mostly linked to streamlining the new EU Animal Health Law with the legislation in the UK. This caused a significant drop in animal transports between mainland Europe and the UK and vice versa, impacting on the functioning of our Population Management Programmes. For both issues, the EEP Committee proactively supported the community on population management-related topics and stepped up where and when needed.

We are pleased that we managed to continue making progress with the implementation of the new population management structure. A good number of Regional Collection Plan (RCP) workshops were conducted in an online format, and a good number of RCP reports were published. Consequently, 202 new style EEPs were approved as of 31 December 2021. The new structure puts the *needs of the population at the core* and leaves the *'one size fits all'* approach as was present in the former structure. The revised Population Management Manual (2021), including all the relevant working procedures and policies, is publicly available on the EAZA website as one of the governing documents.

### ADDITIONAL KEY ACHIEVEMENTS IN 2021

The EEP Committee was kept informed about the successful efforts of the EEO to appoint the additional roles that were required to help support the launch of the new population management structure. Prague Zoo (Czechia) and Mulhouse Zoo (France) stepped in to host the required missing capacity to build the EAZA Population Management Centre (1.6 FTE).

The earlier COVID-19-related publications were updated (['Reducing negative implications of COVID-19 related economic challenges for members on population management in EAZA'](#) and in the ['EAZA Animal Management and COVID-19 Information sheet'](#)) and continue to be available on the Member Area. The special COVID-19 subgroup, established to provide support from a population management point of view in cases of bankruptcy or otherwise, stayed in place for the just-in-case scenarios.

Further RCPs under the new structure were developed and published for the Freshwater Teleost TAG, Amphibian TAG – Caudata, Penguin TAG, Raptor TAG – Owls, Tapir and Suiform TAG. These will be followed by the Elasmobranch TAG, Reptile TAG – crocodiles, Raptor TAG – vultures and eagles, Pigeon and Dove TAG, Monotreme and Marsupial TAG, Great Ape TAG, Small carnivore TAG, Bear TAG, Marine mammal TAG, and Antelope and Giraffid TAG publications. These TAGs all had a successful RCP workshop and the RCP reports are in different stages of development. In parallel, the EEO and relevant TAGs started working on the preparations for the RCPs scheduled in 2022.

Nine EAZA Best Practice Guidelines (BPG) were approved according to the respective procedure and template for a variety of taxa (e.g. Montserrat tarantula, Noble chafer, Lake Patzcuaro salamander, Fire salamander, European pond turtle, Sea turtles, Virus Management for Parrots, Gelada baboons and White-faced saki) and are available on the EAZA website.



The Freshwater Teleost, Penguin and Tapir and Suiform TAGs were three of the five TAGs to publish a Regional Collection Plan in 2021  
© Zoo Duisburg / J. Tegge; Daniel Zupanc; Nuremberg Zoo / Zsuzsanna Helgeth

The EEP Committee launched the second round of TAG evaluations. The results of the first three evaluations were used to fine-tune the procedure including a new approach to sit together with the respective (Vice) Chair to review the results and best way forward. Fifteen TAG (Vice) Chairs have been confirmed into their positions for the coming five years according to the Terms of Office procedure for TAG (Vice) Chairs (as approved and launched in September 2020).

The Committee dealt with a variety of specific cases, for example, developing a Letter of Intent between the Association of German-speaking Zoological Gardens (VdZ) and EAZA on inclusion of private holders in EEPs, sanctioning categorically and/or repeatedly not following EEP (non-)breeding recommendations, criteria to approve non-EAZA institutions for EEP participation, and complaints on practices for which there is less clarity in EAZA guidelines and rules. All these topics required a considerable amount of time for constructive discussions; some of which did not always result in satisfying solutions. However, this must not diminish the overall positive outcome of the inspired and ambitious work of the EEP Committee for the EAZA community.

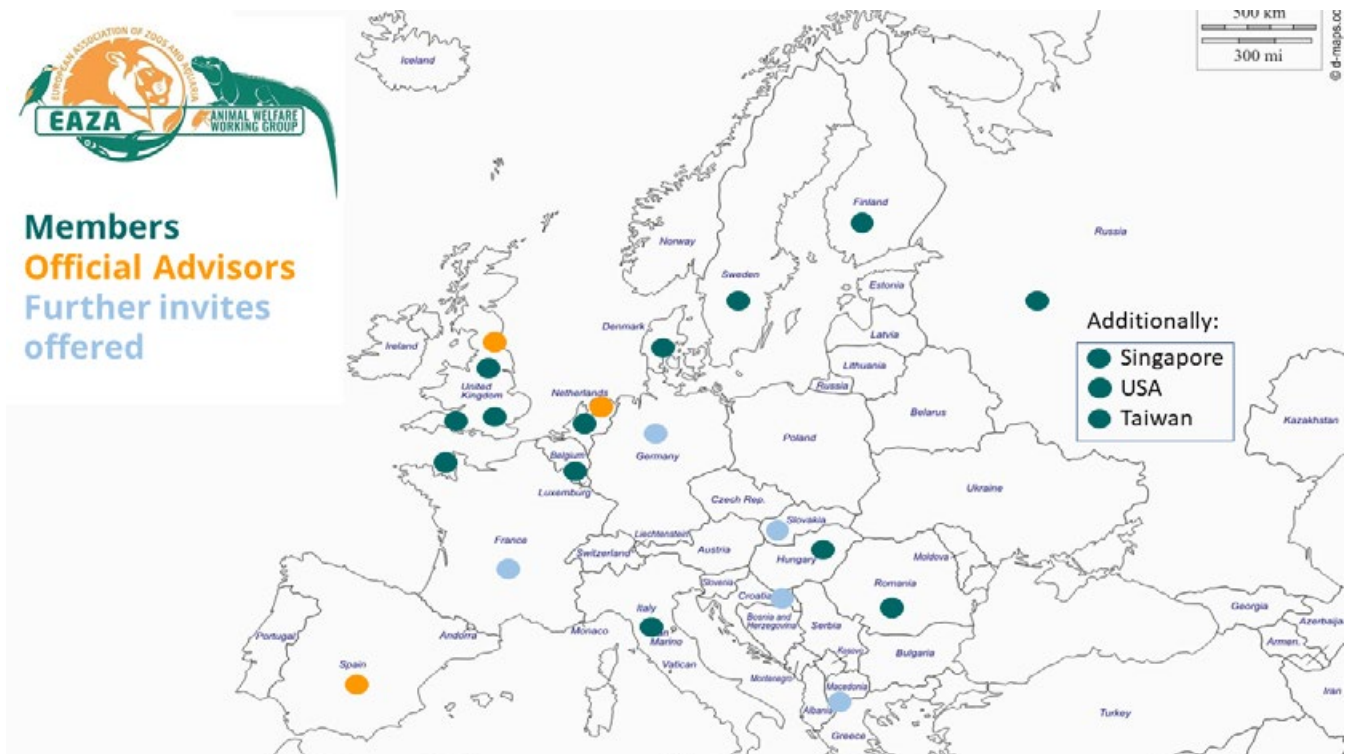
The EEP Committee finalised their 2021-2025 Action Plan including the key actions of the Working Groups for the coming years, as input for the EAZA Strategy. The Committee also reviewed the modus operandi with the four Working Groups falling under its umbrella and agreed upon a renewed way forward.

- **The EAZA Population Management Advisory Group** (EPMAG), chaired by Kristin Leus (Copenhagen Zoo, Denmark) met in August 2021 and developed an action plan to launch a new start for the group. The focus of the group for 2021 and 2022 is on developing a structure for a mentor system for EEP Coordinators and providing support and resources for the 'soft skills' that are important for EEP management. Work also continued on the development of group-based population management strategies, with guidelines planned to become available in 2022.

- **The Animal Training Working Group (ATWG)**, chaired by Annette Pedersen (Copenhagen Zoo), hosted a thematic session during the EAZA Annual Conference, mainly focusing on the economic and public relations benefits of animal training. The ATWG contributed to produce training guidelines for the Callitrichid TAG and provided training videos and support for their virtual talk series. Training guidelines were provided for the Antelope and Giraffid TAG as well as a case study for the duiker BPG. Under the umbrella of the EAZA Academy the group provided an online webinar on the welfare benefits of animal training in zoos (1,500+ views). Three members of the Working Group had articles about training in zoos published in Operants Magazine (the publication of the BF Skinner Foundation).
- **The EAZA Animal Welfare Working Group (AWWG)**, chaired by Holly Farmer (Paignton Zoo, UK), expanded in members (15) and Official Advisors, being external experts (four). 2021 continued to be a difficult year with ongoing impact on capacity through furlough and zoo restructurings resulting in changing work commitments. This meant that the TAG Welfare Liaisons initiative was not able to progress as planned and will roll into next year. However, the AWWG has continued to successfully push forward and work alongside the

EAZA Animal Welfare Coordinator in support of many joint welfare objectives. With the postponement of the EAZA Animal Welfare Forum to new dates, the AWWG continued to support through members continuing their commitment to deliver workshops, presentations and posters. The launch of EAZA's first [Slice of Science](#) (see EAZA's YouTube channel) was delivered by a member of the AWWG and onward 'Slices' have been confirmed with further members. Members have contributed numerous videos to EAZA's Animal Welfare Assessment e-course, offered comments on the course content, alongside translating assessments for the animal welfare assessment library (i.e. the Wild Planet Trust's assessment is now available in 16 languages).

- **The newly established Records Working Group (RWG)**, chaired by Hannah Jenkins (ZSL London Zoo, UK), focussed on establishing and maintaining a recordkeeping communication platform for the EAZA region. Secondly, the group designed a survey for EAZA Members to better understand training needs. The RWG was also involved, together with the EAZA EU Policy team, in reporting on the consequences of Brexit in relation to animal transports. The group published an article in Zooquaria on data standards and its ambitions.



Map of EAZA Animal Welfare Working Group members © EAZA

Long-term Management Plans (LTMP) were finalised for 29 species. These covered 22 primates (Prosimians, Callitrichids, Afro-Eurasian monkeys and one Great Ape), four birds (Penguin, Hornbill, Waterfowl), four turtles and the Gaur EEP. This is a major improvement in the number of LTMPs developed in one year; the previous record was 10. This increase is due to a shift from all-day workshops to more focused online meetings and the help of two external Population Biologists at Prague Zoo and Mulhouse Zoo.

By the end of 2021, there were 520 EAZA Studbooks in ZIMS. Important enhancements include the ability for Studbook keepers to assign others, e.g. the Species Committee, Advisors or interested holders, access to the Studbook. More training resources are now in place too: an EAZA ZIMS for Studbooks manual was developed and a self-paced online ZIMS for Studbooks course is available to all interested.

The first 35 [EEP pages](#), consisting of a public and Member part, were launched on the EAZA website ([www.eaza.net/conservation/programmes/EEP-pages](http://www.eaza.net/conservation/programmes/EEP-pages)), providing background information on the respective EEP (roles, goals, actions), and further developments within the programme.

The 4<sup>th</sup> WAZA Joint TAG Chairs meeting, has been rescheduled for April 2022 hosted by the American Association of Zoos and Aquariums (AZA, USA). Invites were circulated and the first preparations for the programme started.

The EEP Committee continued to be supportive towards the Species Conservation Toolkit Initiative (SCTI). EAZA cooperated with the SCTI team throughout the year in follow up to a strategic planning workshop that was held in December 2019 in Brookfield Zoo, Chicago, USA.

In cooperation with the EAZA Academy, the Introduction to EAZA *Ex situ* management courses were taught twice online, and well received by the course participants. The courses focus on the use of ZIMS for Studbooks and highlight the consequences of the new population management structure.

One of the main ongoing tasks of the EEP Committee is overseeing the TAG and EAZA Population Management Programme structure on behalf of EAZA Council. There were 42 TAGs in 2021. The EEP Committee approved five RCP reports in 2021. Consequently 59 new style EEPs were approved in 2021 bringing the total to 202 by the end of the year. During 2021, four programmes were discontinued. At the end of 2021 we had in total 202 EEPs (new style) and 122 EEPs (old style) and 122 ESBs.



The EEP page for the Desertas wolf spider was one of the many created in 2021 © Emanuele Biggi

In total the EEP Committee reviewed 128 changes to TAGs/ EEPs/ESBs in 2021. A further 83 non-EAZA EEP participation requests were reviewed, and the number of non-EAZA facilities officially involved increased to 267 (including EAZA Temporary Members). Again, some non-EAZA EEP participation requests from EEPs required extensive discussions by the Committee to evaluate the need for the EEP population and the needs and reputation of EAZA as an organisation as well as a review of the available population management tools and the implementation of these (e.g. culling).

The EEP Committee dealt with a few EEP complaints in 2021, and three zoos received one or more official warnings. The remaining cases were solved after discussion among the parties and/or received a strong letter from the EEP Committee.

A full picture of the hard work of the EAZA TAGs is presented in the TAG Annual Reports, published in addition to this annual report. The Committee thanks the many dedicated colleagues running the TAGs, EEPs, ESBs, Working Groups and from the EEO. Their work benefits the EAZA community at large. The Committee looks forward to continuing the implementation of the new structure in close cooperation with all of them in 2022!

# 7 MEMBERSHIP AND ETHICS COMMITTEE

Despite another challenging year in 2021, the dedicated members of the EAZA Membership and Ethics (M&E) Committee have continued to provide their excellent insight and knowledge to move the Committee's actions forward.

Unfortunately, 2021 was another nearly lost year on the screening front. Due to COVID-19 travel safety restrictions the Accreditation Team was unable to begin screenings until August, and then were paused again when travel restrictions kicked in again in November. This has, unfortunately, had a large impact on EAZA's goal of completing all existing Member screenings by 2022; now an impossibility. The new aim is to complete all screenings by 2023. The travel restrictions have also now caused a backup in new Member screenings, with 10 potential Members waiting for a screening and eight additional potential Members in the application process. We hope to get started as soon as possible in 2022 to tackle this backlog and look forward to working again with our excellent screeners and Members on this important goal.



**ENDRE ÁKOS PAPP**  
SÓSTÓ ZOO, NYÍREGYHÁZA,  
HUNGARY, CHAIR

Another piece of important work is around the Future of Accreditation post-2023 and the procedures and policies that must be in place before the next cycle of accreditation begins. The Committee participated in a review and revision of the Code of Ethics and the Standards of Accommodation and Care, both processes still ongoing in conjunction with other Committees. These updates will be important drivers of progressive change as EAZA continues to lead the worldwide zoo community on topics of animal welfare, safety and care.

There were also a number of ethical issues that involved the M&E Committee related to legal challenges, complaints and sanctions. These issues are always changeable and challenging for the Committee members, needing much discussion and analysis. The Chair thanks the EEO for their continued professionalism and commitment to ethical behaviour despite the difficult nature of these actions.



CERZA (France) and Landau Zoo (Germany) were two of the few institutions screened in 2021 © April Adams

The Committee held four online meetings in 2021. In January there was a meeting to discuss topics around the post-2023 accreditation programme, including topics such as terminology, how to make the programme more 'bespoke' and how these actions tied to the EAZA Strategy. There were also decisions on the timelines of sanctions and appeals, and how a Member can be reinstated after restriction. There was also a second meeting in January tied to an appeal to a membership decision.

In April there was an online meeting tied to the online Directors' Days where membership topics around sanctions were discussed, Temporary Members were approved - one was elevated to Full Member -, legal issues discussed, and Corporate Member topics addressed. Updating the process of work between the M&E Committee and National Associations was completed. New complaints and ethical issues were also addressed.

In September at the virtual EAZA Annual Conference meeting, the ongoing discussion around umbrella companies of Corporate Members continued, and the procedure to restrict or remove benefits from Members for lack of membership fee payments was agreed upon. Temporary Members Under Construction were approved for Full Membership and continuing Temporary Membership, and new Temporary Members Under Construction were approved. Good cooperation with BIAZA and Israeli Zoo Association through the Pathways of Communications document was also discussed and actions planned. And as always, the topic of new and existing complaints and ethical concerns was addressed.

The Committee plans to hold a special workshop sometime in the Summer of 2022 to further crystallise the actions and procedures around the new accreditation cycle, as well as the ongoing work of the Committee around new applicants, existing Member screenings and complaints.

The Committee thanks the EEO for their work, enthusiasm, and high professionalism in adapting to the inevitable long-term implications of the pandemic and other circumstances impacting our collaborative work.

In 2021, EAZA received nine new Member applications: six for Full Membership, two for Temporary Under Construction and one for Candidate for Membership to be upgraded to Full. Due to COVID-19 restrictions and prioritisation of existing Member screenings, no new applicants were screened. EAZA carried out two existing Member accreditation screenings, three Temporary Under Construction to Full and one Temporary to Full rescreening.

	01/01/2021	+/-	31/12/2021
Full Members	302	+2	304
Temporary Members	17	+1	18
Associate Members	35	=	35
Candidate for Membership	24	=	24
Corporate Members	47	+5/-5	47
Honorary Members	5	=	5
<b>Total Members</b>	<b>430</b>	<b>+3</b>	<b>433</b>

# 8

# NATIONAL ASSOCIATIONS COMMITTEE



### VOLKER HOMES

VOLKER HOMES, ASSOCIATION OF GERMAN-SPEAKING ZOOLOGICAL GARDENS (VDZ), BERLIN, GERMANY, CHAIR

Although the pandemic still made in-person meetings impossible, the EAZA National Associations Committee (NAC) continued fruitful work virtually. In 2021, the NAC held two big virtual meetings, in April at the EAZA Directors' Day and a two-part meeting in September at the EAZA Annual Conference, accompanied by several ad-hoc consultations through the mailing group. The Chair thanks all Committee members for staying committed even during these challenging times. Together the NAC would like to congratulate again Wineke Schoo (Dutch Zoo Association, NVD, the Netherlands) for taking over the position of the Vice Chair in 2021.

### CORONAVIRUS

The pandemic remained high on the Committee's agenda. As zoos and aquariums throughout the EAZA regions were reopening in spring after extended periods of lockdown, the NAC members continued helping each other with information about government support and compensations.

### EAZA STRATEGY FOR 2021-2025

The virtual meetings helped transition from the former EAZA Strategy to the new one. In the new period, the NAC and its members play an increasing role in supporting and strengthening EAZA's policy work. While EAZA has been active on the EU and global levels, the NAC coordinates the policy engagement on the national level. Information was exchanged about hot topics and changes in legislation that affect zoos. The Committee continued promoting EAZA Standards in our countries, and maintained contacts with politicians and officials in our countries, as well as with Members of the European Parliament, so that they understand our role and our concerns.

To name just one example of such policy contacts: At the beginning of 2021, the European Parliament was drafting its response to the EU Biodiversity Strategy for 2030. This Strategy was adopted in 2020 as the umbrella above all biodiversity efforts the EU will undertake in this decade. It is also the European Union's "homework" for the global post-2020 biodiversity framework whose delayed negotiations should conclude in 2022.

What is most important for the EAZA community is that the Strategy should enable the integration of *in situ* and *ex situ* conservation, and should not omit saving genetic diversity of species. These were our recommendations that we laid out in our response to the EU Biodiversity Strategy in 2020, and in our lobbying towards the EU Member States. Now it was time to bring the same messages to the MEPs. Coordinated by EAZA's EU Policy Manager Tomasz Rusek, NAC members approached a group of MEPs involved in this topic and successfully promoted our main points of concern.



The NAC is made up of representatives of 13 national zoo and aquarium associations (NAs). Countries where there is no NA or whose association is not an EAZA Associate Member are represented by their EAZA Council members © EAZA



## IMPORTANT LEGISLATIVE TOPICS

The NAC worked on the following topics in 2021:

- Post-Brexit animal transfers: Several NAC members supported the efforts of BIAZA and EAZA to solve the post-Brexit obstacles that have severely impacted the animal transfers across the UK-EU border, such as the lack of export health certificates and insufficient number of border inspection posts
- Invasive alien species (IAS): Six years after the EU IAS Regulation came into force, the EU was reviewing how the Member States have implemented it. Based on input from the NAC, EAZA contributed to this review and made a repeated call to the EU countries to apply the Regulation in a more harmonized way to enable the EAZA community to fulfil its roles
- EU Action Plan against Wildlife Trafficking, which complements the EU CITES Regulations: Similar to the IAS process, the EU reviewed how effective its action plan against illegal wildlife trade has been since it was created in 2016. EAZA was selected for an expert consultation, and NAC took part in formulating our community's responses
- Positive lists: To manage and regulate the keeping of exotic animals by private holders, some countries announce lists of species that may not be kept. Meanwhile, several (approximately 10) European countries have chosen the path of a 'positive list', a list

of animal species which may be kept by private holders. While this listing doesn't apply to zoos, it has certain implications for our community, and so the NAC is monitoring the establishment of positive lists in the region

- Keeping of cetaceans and new regulations in France: The use of wild animals in circuses was banned which had implications for rehoming animals retired from circuses
- Supply of one-day chicks: changes in regulating the production of one-day chicks in several EU countries have led to a disrupted food supply for some zoo species, requiring coordinated lobbying of the authorities

## ADDITIONAL TOPICS

The NAC and the EAZA Communications Committee worked together on the requirements for a poll of public opinions about zoos and aquariums in Europe that EAZA intends to conduct, via an external polling company, starting from 2022.

The NAC supported the EAZA21+ Campaign. The aim of this internal campaign is to maximise our impact in biodiversity conservation. To do that, the EAZA community needs to strengthen our position as a trusted partner in the biodiversity policy frameworks. That is an important shared task of all EAZA Members and EAZA as their association, but also of each of the National Associations. Thus, the NAC has included the campaign as a standing point on the agenda in all our meetings in the period 2021-2023.



The bearded vulture has been adopted as the emblem of the EAZA21+ Campaign © Richard Bartz

# 9 RESEARCH COMMITTEE



**ZJEF PEREBOOM**  
ANTWERP ZOO / PLANCKENDAEL  
ZOO, ANTWERP, BELGIUM, CHAIR

The purpose of the EAZA Research Committee (RC) is to help further develop appropriate and excellent research and training within the European zoo and aquarium community and among its many partners, and to encourage and support all EAZA Members to adopt a scientific approach to zoo management and participate in worthwhile and ethical research. As such, the role of the Committee is to assist zoos and aquariums in establishing an infrastructure for research activities, help to guide research and set research priorities. At the same time, they aim to establish and support networks of researchers in zoos, aquariums, universities, museums, and wildlife researchers, and make resources, guidelines, and other science-related documentation available to EAZA Members.

The RC organised an online mid-year meeting in March, devoted to the implementation of the Research Committee Action Plan, which was incorporated in the overall 2021-2025 EAZA Strategy. The EAZA Nutrition Group, the EAZA Biobank Working Group, and the Journal of Zoo and Aquarium Research each contributed their own specific actions to the EAZA Strategy.

During the online EAZA Annual Conference in September, the Committee organised a successful plenary session on Data Science which attracted many more participants than the usual Committee meetings at in-person EAZA Annual Conferences. During this session a range of international speakers explored the potential for zoo data to be utilised in research projects, for example through post-hoc analyses of in-house zoo records, multi-institution databases, Studbook data, and most importantly the collective aggregated zoo and aquarium data held in ZIMS.

In close collaboration with the Association of German-speaking Zoological Gardens (VdZ), the RC worked on the development of an online repository of scientific publications. This 'Zoo Science Library' will provide an overview of scientific publications in international peer-reviewed journals to which zoos and aquariums contributed directly or indirectly. The repository aims to promote knowledge transfer and scientific exchange and provides a searchable resource that will showcase the overall contribution of modern zoos and aquariums to science.

The RC also finalised revising the long overdue EAZA Research Standards, which should become available on the EAZA website after approval by the AGM in spring 2022. In addition, the Committee continues to build close relationships and structural collaborations with other EAZA Committees and Working Groups, such as the EAZA Veterinary Committee and the Animal Welfare Working Group.

## JOURNAL OF ZOO AND AQUARIUM RESEARCH (JZAR)

The RC continued to work towards the further development of EAZA's 'diamond open access' scientific journal, JZAR. It is progressing rapidly under the expert guidance of the journal's Managing Editor, Vicky Melfi (Hartpury College, UK), who has over the recent years built a team of dedicated editors and volunteers. The latest addition to the team is Alice Doyle (Drayton Manor Park, UK) who provides day-to-day support as an Assistant Editor on a voluntary basis. As of 2021, the editorial team has started to organise Editorial Board meetings on a regular basis to discuss progress, ongoing developments, and future directions. In the recent two years, JZAR saw a further increase in the number of submissions, as well as an increase in publications accepted. The number of articles published now averages 10 articles per issue.

In 2021 several new features were implemented on the journal's website. For example, the unique Digital Object Identifier (DOI) for each article is now included on the PDFs and the JZAR website offers options for sharing, liking, and tweeting, as well as the possibility to export different citation formats. The import of user profile information from ORCID was also recently included. JZAR now also provides an 'online early' feature to make accepted articles available pre-publication.

Stiffer competition in the world of journals has evolved due to the start of new open access journals targeting zoo scientists. However, all these journals require authors to pay considerable fees to get their articles published. We believe the double open access that is provided by JZAR, i.e. no charges to publish or access articles, is still the best concept. These new players in the field require EAZA and JZAR to further invest in improving the publishing process of the journal and to stay competitive enough and move forward financially.



# JZAR PUBLICATIONS

**OPEN ACCESS**  
**SINCE ITS LAUNCH IN 2013**  
 10 VOLUMES  
 34 issues published



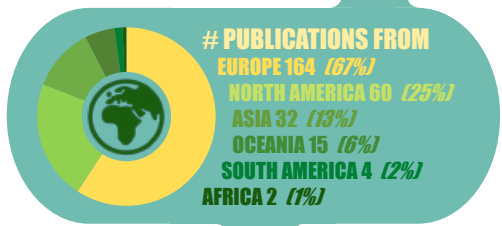
**563 submissions received**  
**247 publications accepted**  
**PER YEAR on average**  
 64 submissions received  
 28 articles published



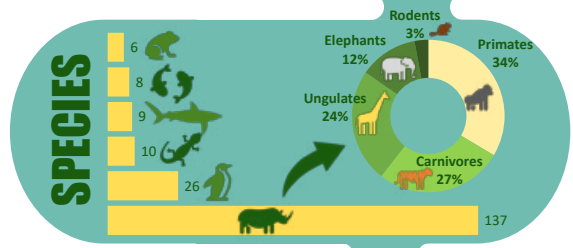
2013	16
2014	32
2015	48
2016	64

**ACCEPTANCE RATE 57%\***  
 Desk reject rate 10%  
 After review reject rate 33%

\* All years. Current (20-21) acceptance rate is 44%



**@EAZA**  
**EAZA ZOOS CONTRIBUTED TO 47.4%**  
 OF JZAR PUBLICATIONS



**JOIN OUR TEAM:** reviewers, board members, section editors, copy editors, typesetters, social media experts etc.

[www.jzar.org](http://www.jzar.org)  
[editor@jzar.org](mailto:editor@jzar.org)

## EAZA NUTRITION GROUP

The EAZA Nutrition Group (ENG) seeks to improve communication and coordination among all those engaged in research, education, or application of comparative zoo nutrition, and those requiring nutrition information, chiefly within zoological institutions of Europe. In 2021, the ENG continued the development of nutrition guidelines and protocols, making resources available on the EAZA Website, and providing support and advise to TAGs and EEPs in nutrition related topics.

The ENG Chair Anouk Fens (Apenheul, the Netherlands) stepped down as co-Chair in 2021, and Lauren Samet (Marwell Wildlife, UK) took over as Chair. Anouk did a fantastic job over the last few years of organising and coordinating ENG activities and conferences. She kindly continued to support Lauren in her role while the ENG went through the transition of responsibilities.

A key activity of the ENG is the organisation of biennial conferences on zoo animal nutrition that are open to anyone interested in comparative and zoo animal nutrition. Due to the ongoing complications caused by the COVID-19 pandemic, the European Zoo Nutrition Conference was hosted virtually, for the first time, in January 2021, resulting in a larger audience than is normally reached in the live editions. Overall, the whole conference, with approximately 570 delegates from over 40 countries across the globe attending, was one of the most successful nutrition meetings ever. Delegates consisted of zoo nutritionists, veterinarians, researchers, curators, animal keepers, other zoo staff and higher education students as well as private individuals. All presentations were recorded and are available on the [EAZA website](http://EAZA website). The next European Zoo Nutrition Conference will be hosted by Riga Zoo (Latvia) from 19 to 22 January 2023.

Within 2021 the ENG continued to actively recruit members, established an ENG Funding committee ready to support the ENG fund (coming soon), and saw members presenting talks for both the EAZA Welfare Webinar series and the EAZA Annual Conference.

## BIOBANKING WORKING GROUP

The purpose of the EAZA Biobank is to be a primary resource for genetically supporting population management and conservation research. The EAZA Biobank Working Group (Biobanking WG) oversees the further development of the EAZA Biobank for the European zoo and aquarium community. Given the expanding needs and possibilities for the use of molecular tools in population management, the EAZA Biobank aims to ensure the optimal and long-term storage of high-quality samples and connect researchers to the available samples. The EAZA Biobank consists of four banking hubs, located in Antwerp Zoo (Belgium), Edinburgh Zoo (UK), the Leibniz Institute for Zoo and Wildlife Research (IZW, Germany), and Copenhagen Zoo (Denmark). Each hub has adequate and dedicated facilities and staff available to ensure the keeping, curating and registering of samples, supporting the aim of the EAZA Biobank.

The Biobanking WG is chaired by Christina Hvilsom (Copenhagen Zoo) with the full-time support of a dedicated Biobank Coordinator at the EEO: Ania Brown transitioned out of this role in November 2021 and handed over her responsibilities to Anna Mekarska. Through her endless dedication and hard work, Ania has contributed immensely to the implementation and the success of the EAZA Biobank and ensured the standardisation of working procedures across the four Biobank hubs.

The new Biobank feature in ZIMS, co-developed by the Species360 and the EAZA Biobanking WG, and funded by Antwerp Zoo, Beauval Zoo (France) and EAZA, hugely improved the centralisation of the registration and management of the samples collected and stored in the Biobank. The number of samples continued to grow exponentially with increasing numbers of institutions donating them. In 2021 two large legacy collections were

donated which included valuable samples that can be of direct use to help improve species conservation. The number of samples stored in the EAZA Biobank exceeded 10,000 towards the end of 2021. In addition, the Biobanking WG received and evaluated 17 requests for use of samples, and samples were sent out to various research projects. More applications are being reviewed and the Biobanking WG is also helping EEPs and researchers to drive sample collection for some of these projects.

The Biobanking WG organised its mid-year meeting online in April, as well as two online meetings in October. Some key activities of the Biobanking WG in 2021 focussed on working towards the increased participation of aquariums in the EAZA Biobank initiative, and increased sample collection from aquatic species. To this end, a strategy and species-specific sampling protocol were developed in close collaboration with the European Union of Aquarium Curators (EUAC), and with EAZA aquatic TAGs. The EAZA Biobank WG also continued the further development of a Cryopreservation Network. The EAZA Biobank recognises the need for cryopreservation of live cells (e.g. gametes, cell lines etc.) within the EAZA community, but is unable to offer these services at the time. In collaboration with the EAZA Reproductive Management Group, the Population Management Centre and the EAZA Population Management Advisory Group, the Biobank WG are seeking to develop close relationships and collaborations with partners and initiatives globally that can provide appropriate and dedicated resources, expertise and storage. This 'Cryo-coalition' also strives to provide information and guidance to benefit the pursuit of cryopreservation services by EAZA Members. A template Memorandum of Understanding, and Material Transfer Agreement have been created for EAZA Members to ensure that they and their samples are protected.



Samples collected for the EAZA Biobank © Antwerp Zoo

# 10 TECHNICAL ASSISTANCE COMMITTEE



**ANDRÉ STADLER**  
ALPENZOO INNSBRUCK,  
INNSBRUCK, AUSTRIA, CHAIR

The EAZA Technical Assistance (TA) Committee provides assistance to institutions that have been accepted into EAZA's Candidate for Membership (CfM) programme and to Temporary Members where this has been recommended by the Membership and Ethics Committee. The role of the TA Committee is to guide zoos and aquariums to achieve the EAZA Standards required for Full Membership. The Committee is made up of experienced EAZA zoo professionals, most of whom are appointed as a mentor to one or more CfMs or Temporary Members.

## ACTIVITIES

The ongoing coronavirus pandemic continued to have a strong influence on the activities of the TA Committee. As in 2020, the Committee was not able to meet in-person, but met twice in an online format, in April and September. Standard agenda items for these meetings are a review of the progress of CfMs, the various challenges that mentors are encountering, and the objectives in the Committee's action plan for 2021-2025.

Under normal circumstances mentors would visit their mentor institution at least once a year, to evaluate progress made and to set future development targets that the institution needs to achieve in order to reach EAZA Standards. Restrictions on travel and other activities meant that most mentors were forced to continue carrying out their mentoring activities remotely via video calls, emails and various other communication methods.

## KEY DEVELOPMENTS AND ACHIEVEMENTS

The CfM Progress Presentations that are traditionally held during the EAZA Annual Conference made their debut as an online event this year. In three sessions, 23 Candidates for Membership gave presentations about the progress that they were able to make over the past year, and also discussed the challenges that they were facing and plans for the near future. The sessions brought together representatives of CfMs, members of the TA Committee and other interested Conference delegates, and provided a great opportunity to share experiences and solutions with peers. It was encouraging to see that despite all the challenges that 2021 presented, lots of good progress was also reported in many different areas – from the construction of new, modern enclosures to improved safety measures, and from the recruitment of essential staff members to an increased participation in conservation efforts and projects.



Braşov Zoo (Romania) was one of the CfMs presenting at CfM Progress Presentations session during the EAZA Annual Conference © EAZA Executive Office

The TA Committee also accomplished the first objectives in its action plan for 2021-2025, which is part of the overall EAZA Strategy. Among other things, an online Mentor Guide was developed to assist current and future EAZA mentors with their mentoring activities. Another notable achievement was the addition of a chapter about Technical Assistance to the EAZA Membership and Accreditation Manual. In this publicly available document people can now also find clear information about EAZA's technical assistance programmes.

### CANDIDATES FOR MEMBERSHIP

Several Candidates for Membership are in the final stage of the CfM programme and are working on or have already submitted their application for Full EAZA Membership. The circumstances in 2021 did not permit the planning of accreditation screening visits to CfM institutions, but hopefully this will be possible in 2022. No new CfMs joined EAZA in 2021, so the total number of institutions in the CfM programme is still 24.

### TEMPORARY MEMBERS

Since 2017, it is also possible for Temporary Members to receive the guidance and support of an EAZA mentor. The total number of mentored Temporary Members decreased to four in 2021, when Slottsskogen Zoo (Sweden) achieved Full Membership and EAZA accreditation.

### COMMITTEE MEMBERS

The TA Committee welcomed Terry Hornsey (Zoological Society of East Anglia, UK) as a new member and potential mentor. At the end of the year Paul Vercammen (Arabia's Wildlife Centre, United Arab Emirates) stepped down from the Committee after having been a valued member for 13 years. This left the number of Committee members unchanged at 25.

### FUTURE WORK

In the coming year the TA Committee will continue supporting CfMs and Temporary Members while they are working towards achieving Full EAZA Membership and accreditation. The Committee's mentors hope to be able to fully pick up their mentoring activities again in 2022.

As part of its action plan for 2021-2025, the TA Committee will look into ensuring that CfMs are well informed about topics such as population management regulations, animal welfare science and resources, and improving their relationships with local government bodies and involvement in national conservation projects.

Another thing that the TA Committee will continue to work on in 2022 is the improvement of the format for mentor reports, to make it easier to use and at the same time clear and useful to all parties involved.



European elk (*Alces alces alces*) at Slottsskogen Zoo (Sweden), previously Temporary Member with an EAZA mentor  
© EAZA Executive Office

CfM institution	Country	Mentor
Almaty Zoo	Kazakhstan	Mats Höggren
Belgrade Zoo	Serbia	Endre Sós
Parc Animalier de Bouillon	Belgium	Franck Haelewyn
Braşov Zoo	Romania	Nick Lindsay
Gan-Garoo Australian Park	Israel	Nili Avni-Magen
Kaunas Zoo	Lithuania	Tom de Jongh
Kharkiv Zoo	Ukraine	Marjo Hoedemaker
Krasnoyarsk Park	Russia	Gary Batters
Kyiv Zoo	Ukraine	Marc Damen
Leningrad Zoo	Russia	Radosław Ratajszczak
Negev Zoo	Israel	Ziv Ayalon
Nikolaev Zoo	Ukraine	Douglas Richardson
Novosibirsk Zoo	Russia	Dag Encke
Osijek Zoo	Croatia	Davorka Maljković
Palić Zoo	Serbia	José Dias Ferreira
Qalqilia Zoo	Palestine	Ammar Obaidat
Sarajevo Zoo	Bosnia-Herzegovina	Jörg Junhold
Sibiu Zoo	Romania	Endre Sós
Skopje Zoo	North Macedonia	Marjo Hoedemaker
Sofia Zoo	Bulgaria	Jean-Jacques Lesueur
Tbilisi Zoo	Georgia	Marjo Hoedemaker
Tehran Zoo	Iran	Bo Kjellson
Tîrgu-Mureş Zoo	Romania	Franck Haelewyn
Yerevan Zoo	Armenia	Paul Vercammen



In 2021, EAZA mentor Marc Damen was finally able to visit CfM Kyiv Zoo (Ukraine) © Kyiv Zoo

# 11 VETERINARY COMMITTEE



**MADS FROST BERTELSEN**  
COPENHAGEN ZOO,  
COPENHAGEN, DENMARK, CHAIR

Despite the continued challenges that 2021 has brought for many, the EAZA Veterinary Committee managed to stay largely on track. The Committee members progressed in several actions as outlined in the Committee's action plan for 2021-2025, and discussions on the areas of importance for the coming year were finalised.

In 2021, the Veterinary Committee Core Group membership consisted of:

- **Mads Frost Bertelsen** (Copenhagen Zoo, Denmark): Committee Chair
- **Stephanie Sanderson** (European Association of Zoo and Wildlife Veterinarians, EAZWV, Belgium): Committee Vice Chair and Subgroup Chair Veterinary Advisors
- **Arne Lawrenz** (Wuppertal Zoo, Germany): Former Committee Chair and Subgroup Chair Legislation
- **Alexis Lecu** (Paris Zoo, France): Subgroup Chair Infectious Diseases
- **Baptiste Mulot** (Beauval Zoo, France): Subgroup Chair Biological Resources and Data Sharing
- **Sanna Hellström** (Helsinki Zoo, Finland): Subgroup Vice Chair Legislation
- **Ulrike Rademacher** (Wilhelma Zoo, Germany): Transport representative
- **Veronica Cowl** (Chester Zoo, UK): EAZA Reproductive Management Group
- **Jacques Kaandorp** (Beekse Bergen, the Netherlands): Former Committee Chair

During the online EAZA Annual Conference in September 2021, the Veterinary Committee held an open meeting to provide interested parties with an update on the Committee's actions and progress. The minutes of this meeting are available on the EAZA Member Area. Two thematic sessions were furthermore organised to inform all about the new EU Animal Health Law (AHL), and the role of Veterinary Advisors (VAs).

Overall, the Veterinary Committee worked on the following tasks in 2021:

- Finalisation of the Veterinary Committee Action Plan 2021-2025 in accordance with the new EAZA Strategic Plan for 2021-2025
- EAZA-EAZWV Memorandum of Understanding (MoU) renewal: EAZA and EAZWV finalised their MoU for 2016-2021, and successfully renewed it for 2021-2026. EAZA and the Veterinary Committee look forward to continuing the unique and fruitful collaborations with EAZWV



**Carsten Grøndahl and crew working on Asian elephant**  
© Mads Bertelsen

In line with their MoU for 2016-2021 and for 2021-2026, EAZA and EAZWV continued working together to deliver shared parts of their respective strategies. The action plan is delivered through four joint subgroups:





Sara Abreu working on an Amazon parrot © Mads Bertelsen

#### JOINT EAZA/EAZWV LEGISLATION SUBGROUP

The Legislation Subgroup had a busy year in 2021. The group focused on the new AHL, which came into force in April 2021. Currently, there is an ongoing project on creating an AHL guidance handbook that is due for completion in 2022. The handbook is focused on introducing the legislation and showing which parts are applicable to zoos and which parts are not. At present, there are 15 co-authors to the AHL guidance handbook from nine Member States.

They produced two one-page guidance documents on AHL. The first [document](#) highlights some key parts of the new AHL legislation and is available on the Member Area. The second [document](#) is a public EAZA statement, which was created by the legislation subgroup, on the AHL coming into force.

The group gave feedback for a European chemicals' agency consultation on the use of lead ammunition in the EU. The impact that lead toxicity has on conservation efforts is part of this feedback.

They also corrected the wording on health certificates associated with ungulate movements into the EU, which is going to have more significance as a result of Brexit. Positive conversations about changes and getting certificates updated have been held to better reflect the legislation for zoos.

#### JOINT EAZA/EAZWV VETERINARY ADVISOR SUBGROUP

Amongst others, the Veterinary Advisor Subgroup reviewed the available guidance for Vet Advisors (VA) which was last done in 2017. This has led to some important updates on the policies for data ownership and confidentiality, approval procedures for veterinary documents, and a new requirement for all VAs to obtain institutional support from an EAZA Member institution. The new guidance for VAs can be found in the recently updated [EAZA Population Management Manual](#) (available on the EAZA website) and the [VA Resource Manual](#), available on the Member Area with accompanying materials.

In partnership with EAZWV, the subgroup launched the Vet Guidelines Directory, which collates all guidelines and other animal health-related documents that are stored on the TAG and EEP pages of the EAZA Member Area. The directory can be found on the [Veterinary Committee page of the EAZA Member Area](#), and on the EAZWV Member Area ([www.eazwv.org/Login.aspx](http://www.eazwv.org/Login.aspx)). This Vet Guidelines Directory is a great tool for ensuring that vets on the ground have access to the information and resources that VAs produce.

## JOINT EAZA/EAZWV BIOLOGICAL RESOURCES AND DATA SHARING SUBGROUP

The subgroup focused on ZIMS for Medical usage and the need to actively promote this in EAZA Members. By the end of 2021, 66.3% of EAZA Member institutions used ZIMS for Medical. As most institutions only add limited data, the subgroup aims to improve ZIMS for Medical usage in 2022.

They worked on a VA pilot study in ZIMS for Medical, where institutions were asked to share their (medical) data with selected (EAZA and AZA) VAs for their animals. This pilot study aimed to find out how this would work, whether this would be helpful, and what would be missing in terms of implementing this fully in ZIMS. The pilot study has now been completed, and the pilot was well-received globally. Discussions on next steps will commence shortly.

## JOINT EAZA/EAZWV INFECTIOUS DISEASES SUBGROUP

2021 marked a productive year for the Infectious Diseases Subgroup. They continuously updated the SARS-COV-2 factsheet, which can be found [here](#) and collates scientific evidence associated with the infection in non-domestic species, and potential management recommendations within zoos. The factsheet is now in its 8<sup>th</sup> version, is freely available to all, and is cited by others (e.g. the World Organisation for Animal Health, OIE) as a reliable source of information.

The group also regularly updated the Transmissible Diseases Handbook (TDH) with new factsheets and chapters (e.g. on Parrot Virus Management). Various other factsheets and chapters are nearing completion (e.g. on Avian Influenza), which will be uploaded soon. The TDH is a great resource for veterinarians and can be found on the EAZWV website ([www.eazwv.org/page/inf\\_handbook](http://www.eazwv.org/page/inf_handbook)).

## EAZA REPRODUCTIVE MANAGEMENT GROUP (RMG)

It was another busy year for the RMG in 2021, with their main tasks including:

- Improving the amount of resources that are available to the RMG members on the RMG website (<https://eazarmg.org>) and the [EAZA Member Area](#)
- Drafting and publishing research papers based on data that has been contributed by the community
- Preparing and running a reproductive management course in October 2021 in partnership with the EAZA Academy
- Preparing and running a reproductive management workshop during the (online) joint EAZWV and American Association of Zoo Veterinarians (AAZV) conference in October / November 2021
- Answering a record number of queries coming in to the RMG; 214 queries were received, and this included a broad range of questions not limited to contraception, but also including reproductive management, pregnancy diagnosis, etc. The RMG can be contacted on [contraception@chesterzoo.org](mailto:contraception@chesterzoo.org)

## TRANSPORT

In 2021, EAZA's transport representative to the Veterinary Committee focused amongst others on:

- Providing the International Air Transport Association with information and updates on the Life Animal Regulations (LAR) for transportation through the cooperation with WAZA
- Developing feedback to an EU consultation on Regulation 1/2005, which concerns the welfare of animals in transport
- Working on the Export Health Certificates (EHC) for ungulates
- Cooperating with BIAZA to resolve complications surrounding animal transport between the EU and the UK



# 12 EAZA ACADEMY

2021 presented many challenges for the Academy in light of the continuing COVID-19 pandemic. There were initial plans to return to in-person training by the end of the year, but ultimately with the rise of new COVID-19 variants and continuing uncertainty over restrictions on travel and meetings these plans were suspended and all activity in 2021 was carried out online.

There was a good level of engagement despite these challenges, 262 people participated in some form of formal training, representing 139 institutions and 34 countries. Six formal training opportunities were available, representing a mix of live online training offered via Zoom and self-paced online modules.

Population management training continued to be an important focus, two *Introduction to EAZA Ex situ Programme Management* courses were held via Zoom, and the separate self-paced ZIMS for Studbooks module was available for all interested participants from the EAZA community.

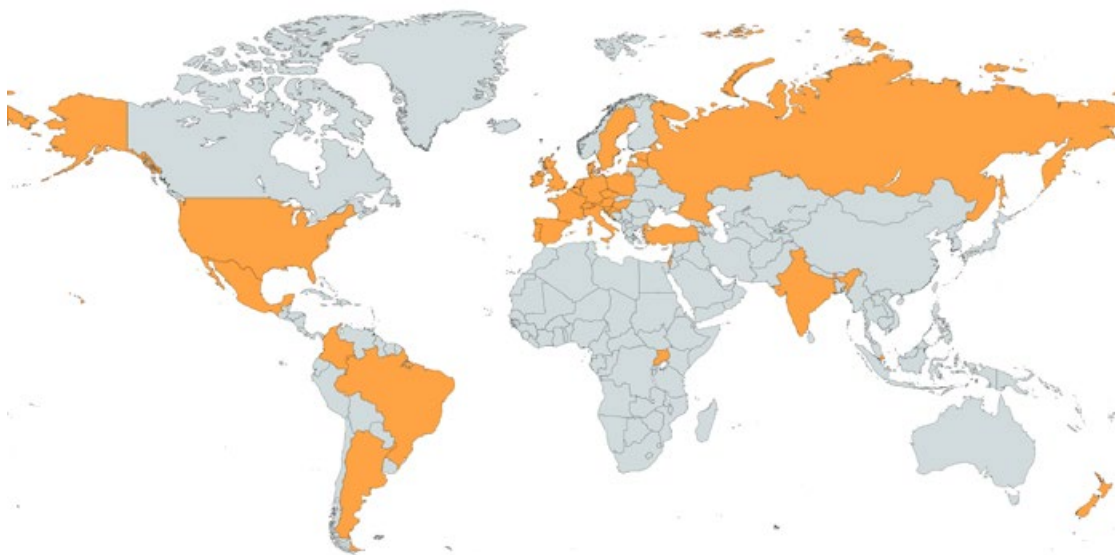
The EAZA Academy also broke new ground during 2021, delivering a collaborative online course with Chester Zoo (UK) focused on *Conservation Education Evaluation*, offering the long-awaited *Introduction to Reproductive Management* course via Zoom, and delivering conference workshops encouraging Members to think about mental health in the workplace.



**LAURA MYERS**  
EAZA EXECUTIVE OFFICE,  
AMSTERDAM, THE NETHERLANDS,  
ACADEMY MANAGER

One of the most significant developments in 2021 was the design and launch of our first full length self-paced Massively Open Online Course (MOOC). Thanks to a grant from the Morris Animal Foundation (USA) and the hard work of the Amphibian TAG, our course on *Batrachochytrium salamandrivorans* (Bsal) was launched in June 2021. This emerging disease threat was an important topic to cover, and the course helped expand the reach of the Academy considerably, generating interest from around the world and also from sectors such as academia that do not normally see high levels of engagement. Although a relatively small proportion of participants opted to download a certificate (only these numbers are included in the formal engagement map below), around 500 participants requested access to the course.

This course provided a useful blueprint for designing future self-paced trainings, and the successful delivery of trainings in this format and via Zoom has made it clear that these should continue to be part of the Academy offering even after a return to face-to-face training in 2022.



Map showing extended global reach of online training, in orange © EAZA Academy

Welfare engagement work continued despite the challenging environment, in particular the successful Welfare Webinar series. A total of eight webinars were delivered, with several hundred participants attending each session live and more people engaging with the recordings available on our website. 2021 also saw significant developments in preparing self-paced welfare training, with animal welfare fundamentals and welfare assessments being the top priority. EAZA Animal Welfare Coordinator Sally Binding also developed a new format for social media engagement with welfare research – *Slice of Science*. *Slice of Science* and the welfare e-course were both scheduled to launch in 2022.

Participants continued to report broadly positive experiences with EAZA Academy content, even in another very challenging year. A selection of comments is shown below:

*“I manage a museum population of amphibians and there isn't much out there that covers all the aspects of BSAL so coherently and comprehensively. Thank you.”*

Bsal MOOC participant

*“I really enjoyed the course and there are definitely elements that I have taken that I will use in both my EEP management and to share with my institution.”*

Introduction to Reproductive Management course participant

*“It was great to see some real examples and to get ideas. It was also very useful to hear about how to begin embedding evaluation into your team.”*

Conservation Education Evaluation course participant

**Batrachochytrium salamandrivorans online course**

10% COMPLETE

- ▼ INTRODUCTION TO THE SALAMANDER FUNGUS
- ≡ Aim of the module
- ≡ Global Amphibian Crisis
- ≡ Chytridiomycosis
- ≡ Global Conservation Implications
- ≡ Passive & active surveillance and monitoring
- ≡ Legislation

Around 500 requested access to the Massively Open Online Course on *Batrachochytrium salamandrivorans*  
© EAZA Academy

# 13 TREASURER'S REPORT



**SEAN MCKEOWN**  
FOTA WILDLIFE PARK, CORK,  
IRELAND, TREASURER

This report covers a period of 12 months from 1 January 2021 to 31 December 2021. The COVID-19 crisis continued and resulted in a revised budget being developed. The following measures were put in place to be considerate to Members and offer maximum flexibility: extending the payment deadline from 1 March to 30 June 2021, not applying 3% annual increase as per usual, and putting in place a subgroup to consider requests to defer payments.

Costs were restricted wherever possible and spending carefully monitored. Savings were made on areas such as delaying recruitment of replacement staff, reduced travel and accommodation however, additional expenses occurred due to legal fees. It was pleasing to note that the majority of anticipated income was received by the end of the year and only a few Members needed additional time or support. The receipt of EU funding as part of the EU LIFE NGO Operating grant programme also provided stability to the budget.

It should be noted that since the 2013/2014 financial year, and in accordance with Dutch RJ 640 reporting requirements, Campaign funds are also required to be part of the statement of income and expenses. These Campaign funds are managed separately to the core operating budget and so are represented as separate lines in the presentation of the accounts. Unless specifically stated, comments in the following text relate to the operating budget and not the overall accounts where operating budget and campaign funds are combined.

Total income relating to the operating budget for the 12-month period was €2,083,849 exclusive of interest and third party charged wages. The majority of income (88%) came from Membership related fees, with the remaining income relating to sources such as external funding (9%), publications and EAZA Annual Conference (2%).

Operational expenses were €1,737,968. Much of the expenses related to staffing costs (72%) followed by 'Communication and representation' (12%). This budget line includes items such as European Union representation, Zooquaria magazine and Journal of Zoo and Aquarium Research (JZAR) costs. Accommodation costs were anticipated to double however, the move to a new office was postponed until 2022. The final operating result for 2021 was €345,881.

Understandably, significantly less donations from the membership were received into the EAZA Development Fund compared to previous years. The lack of opportunities to carry out many (in-person) activities in 2021 mean that the fund was not used. As of 31 December 2021, a total of €178,733 remains in this fund.

During this reporting period €95,730 was received in Campaign donations and €159,381 was given out in grants. A large proportion of the donations and grants were related to the Silent Forest Campaign 2018-2019. The additional income gathered via the Campaign meant that new projects were able to be supported as part of ongoing work related to songbird conservation. Donations were received, and grants given out, from the ongoing funds for the Red Panda Population and Habitat Viability Assessment (PHVA) work, Elephant Endotheliotropic Herpes Virus (EEHV) research. New funds were set up for Vietnam pheasant and Scaly-sided merganser. The total amount of funds remaining across all Campaign accounts equals €125,849.

When the Campaign funds and Operating budgets are combined, as per the new RJ 640 Dutch legal regulations for entities without profit, the net result for 2021 was a surplus of €272,126.

EAZA has a working capital of €1,680,040, and the total assets on 31 December 2021 were €2,606,572. Consequently, EAZA is in healthy position and the financial stability of the organization continues to be good.

We gratefully acknowledge the work of Phidra Accountants & Adviseurs in the compilation of the annual accounts and Londen & Van Holland in carrying out the audit of EAZA.

I have no hesitation in commending these accounts to Members.

# 14. FINANCIAL REPORT

## PROFIT AND LOSS ACCOUNT 2021

	€	%
<b>OPERATING BUDGET</b>		
<b>Revenue</b>	2,083,849	100.0
<b>Expenses</b>		
Wages and salaries	892,614	42.8
Social security premiums and pension costs	229,847	11.0
Depreciation of intangible and tangible assets	9,243	0.4
Other staff expenses	129,997	6.3
Accommodation expenses	73,876	3.6
Communications and representation expenses	213,586	10.2
Office expenses	46,899	2.3
General expenses	141,906	6.8
<b>Total operating expenses</b>	<b>1,737,968</b>	<b>83.4</b>
<b>Operating result</b>	<b>345,881</b>	<b>16.6</b>
Financial income and expense	-10,104	-0.5
<b>Net operating result</b>	<b>335,777</b>	<b>16.1</b>
<b>CAMPAIGN FUNDS</b>		
Campaign donations	95,730	100.0
Campaign grants	-159,381	-166.5
<b>Campaign funds result</b>	<b>-63,651</b>	<b>-66.5</b>
<b>OVERALL TOTAL NET RESULT</b>		
Result Operating budget	335,777	
Result Campaign funds	-63,651	
<b>Total net result</b>	<b>272,126</b>	

## FINANCIAL POSITION

A summary of the overall financial position as of 31 December 2021 in comparison with prior year is as follows:

	2021	2020
<b>OPERATING BUDGET</b>	€	€
<b>Equity</b>		
Capital	120,001	120,001
Other Reserves	1,500,943	1,165,166
Campaign funds	125,849	189,500
<b>Total Equity</b>	<b>1,746,793</b>	<b>1,474,667</b>
<b>Assets</b>		
Tangible fixed assets	66,753	20,067
Receivables	232,467	219,029
Cash at bank and in hand	2,307,352	2,235,865
<b>Total Assets</b>	<b>2,606,572</b>	<b>2,474,961</b>
<b>Available on short term</b>		
Receivables	232,467	219,029
Cash at bank and in hand	2,307,352	2,235,865
Short-term liabilities	-859,779	-1,000,294
<b>Working capital result</b>	<b>1,680,040</b>	<b>1,454,600</b>

A copy of the complete audited EAZA accounts for 2021 is available to EAZA Members in the Annual General Meeting Folder on the Member Area.

# 15 PARTNERSHIP AND FUNDING

One of the greatest strengths of EAZA is our ability to work with partners to enhance our collective impact. Our commitment to working together across diverse cultures and at all levels is especially evident through our Memoranda of Understanding (MoUs). EAZA currently has renewable 5-year MoUs with the European Association of Zoo and Wildlife Veterinarians (EAZWV), European Association for Aquatic Mammals (EAAM) and European Union of Aquarium Curators (EUAC). These MoUs highlight areas of mutual interest and where cooperative working enhances our common goals, for example by allocating seats on respective committees, collaborating on species and collections management, joint communications, and lobby work.

Although 2019 saw the end of our Conservation Campaign, Silent Forest: Asian songbird crisis, the MoUs with partners IUCN Species Survival Commission (SSC) Asian Songbird Trade Specialist group, Birdlife International, and TRAFFIC continued into 2021 as we explored further collaborative opportunities.

EAZA also partners with other zoo and aquarium associations, including having MoUs with the Asociación Latinoamericana de Parques Zoológicos y Acuarios, the Pan-African Association of Zoos and Aquaria, and between the Association of Zoos and Aquariums (AZA) Reproductive Management Centre and EAZA Reproductive Management Group on collaboration in the reproductive management of managed populations of animals. These MoUs make sure our increasingly international work occurs in a comparative and collaborative environment. EAZA also holds seats on the Boards of international organisations such as the World Association of Zoos and Aquaria (WAZA), Species360 and the Amphibian Survival Alliance.

EAZA has an MoU with the Rwanda Development Board (RDB) and the Akagera Management Company (AMC) running from 2018-2023. This important MoU concerns EAZA, RDB and AMC working together to release and monitor Eastern black rhinoceroses from the EEP to the Akagera National Park (Rwanda).

EAZA plays an important part in many Global Species Management Plans (GSMPs) under the auspices of WAZA. Since 2014, EAZA has a renewable MoU with the Indonesia Zoo and Aquarium Association, AZA, IUCN SSC Asian Wild Cattle Specialist Group, and IUCN SSC Wild Pig Specialist Group concerning GSMPs for anoa, banteng, babirusa and Sumatran tiger. EAZA has a MoU with Stichting AAP for the period 2020-2025 about cooperation regarding the Barbary macaque EEP.

An MoU between EAZA, IUCN SSC and the Ministry of Natural Resources and Environment of the Russian Federation on the restoration (reintroduction) of the Persian leopard in the Western Caucasus runs from 2017-2023. Members and staff from the EEO continue to have strong links with the IUCN SSC and hold seats on Specialist Groups such as the Conservation Planning Specialist Group and the Asian Species Action Partnership.

The EAZA Biobank became fully established in 2019 and 10-year MoUs were agreed with the four hubs based at Antwerp Zoo, Copenhagen Zoo, Leibniz Institute for Zoo and Wildlife Research and the Royal Zoological Society of Scotland. An MoU with Cardiff University on CryoArks biobanking collaboration was extended into 2022; our cryobanking partnership work also expanded with a new MoU with Nature's Safe (2021-2022).

Financial support from the European Union LIFE NGO Operating grant was received in 2021. This beneficial funding supported many EAZA activities including development and delivery of Regional Collection Plans, the EAZA Conservation Database, the Which Fish? Campaign, EU and CITES policy activities and capacity building. EAZA was part of two consortia working on EU funded tenders: one with VetEffeCT and Milieu on better implementation of the EU Zoos Directive, and one with IUCN, Animal & Plant Health Agency, Eurogroup for Animals, Newcastle University, and EARS on Identification, Assessment, Sharing and Dissemination of Best Practices for Humane Management of Invasive Alien Species. EAZA was the grateful recipient of funding from the Morris Animal Foundation, which was used to create a Massive Open Online Course on management of the disease causing *Batrachochytrium salamandrivorans*.





# 16 GOVERNANCE AND ORGANISATIONAL STRUCTURE

## EXECUTIVE COMMITTEE

### Chair

Thomas Kauffels

### Vice Chair

Endre Papp (Interim)  
replaced Mark Pilgrim\*

### Secretary

Brice Lefaux

### Treasurer

Sean McKeown

and Chairs of the EEP,  
Membership and Ethics,  
Communications, National  
Associations and Technical  
Assistance Committees, and  
Aquarium Representative.



**Chair:**  
Thomas Kauffels  
(Opel-Zoo)



**Vice Chair:**  
Endre Papp  
(Sóstó Zoo) \*



**Secretary:**  
Brice Lefaux  
(Mulhouse Zoo)



**Treasurer:**  
Sean McKeown  
(Fota Wildlife Park)

## EAZA FULL MEMBERS

(Please see the list of EAZA Members on page 66)

## EAZA COUNCIL

(Please see the list of Council Members on page 42)

## STANDING COMMITTEES

### COMMUNICATIONS

Sanna Hellström

### EEP

Achim Johann  
replaced Mark Pilgrim\*

### MEMBERSHIP AND ETHICS

Endre Papp

### NATIONAL ASSOCIATIONS

Volker Homes

### TECHNICAL ASSISTANCE

André Stadler

## SPECIALIST COMMITTEES

### CONSERVATION

Eric Bairrão Ruivo

### CONSERVATION EDUCATION

Antonieta Costa  
replaced Arlete Sogorb\*\*

### RESEARCH

Zjef Pereboom

### VETERINARY

Mads Frost Bertelsen

\* from 30 June 2021

\*\* from 20 April 2021

# 17 EAZA COUNCIL (FROM APRIL 2021)

Country	Name	Institution
<b>Austria</b>	Andreas Artmann	Schmiding Zoo
<b>Belgium</b>	Linda Van Elsacker	Antwerp Zoo
<b>Croatia</b>	Davorka Maljković	Zagreb Zoo
<b>Czechia</b>	Miroslav Bobek	Prague Zoo
	David Nejedlo	Liberec Zoo
<b>Denmark</b>	Bengt Holst	Copenhagen Zoo
<b>Estonia</b>	Tiit Maran*	Tallinn Zoo
<b>Finland</b>	Sanna Hellström	Helsinki Zoo
<b>France</b>	Eric Bairrão Ruivo	Beauval Zoo
	Brice Lefaux	Mulhouse Zoo
	Xavier Vaillant	Lyon Zoo
	Angélique Chaulet	Zoo de Guyane
	Sébastien Laurent	Zoo Boissière du Doré
<b>Germany</b>	Andreas Knieriem	Berlin Zoo/Tierpark
	Theo Pagel	Cologne Zoo
	Thomas Kauffels	Opel-Zoo
	Jörg Junhold	Leipzig Zoo
	Thomas Kölpin	Wilhelma Zoo
<b>Greece</b>	Jean-Jacques Lesueur	Attica Zoo
<b>Hungary</b>	Endre Papp	Sóstó Zoo
<b>Ireland</b>	Sean McKeown	Fota Wildlife Park
<b>Israel</b>	Nili Avni-Magen	Jerusalem Zoo
<b>Italy</b>	Gloria Svampa	La Torbiera Zoo
<b>Latvia</b>	Jānis Rudzītis	Riga Zoo
<b>Luxembourg</b>	Guy Willems	Parc Merveilleux

Country	Name	Institution
<b>Netherlands</b>	Rembrandt Sutorius	Artis Zoo
	Robin de Lange	Ouwehands Zoo
<b>Norway</b>	Tor Erik Standal	Ålesund Atlantic Park
<b>Poland</b>	Radosław Ratajszczak	Wrocław Zoo
<b>Portugal</b>	Carlos Agrela Pinheiro	Lisbon Zoo
<b>Russia</b>	Svetlana Akulova	Moscow Zoo
<b>Slovakia</b>	Erich Kočner	Košice Zoo
<b>Slovenia</b>	Barbara Mihelic	Ljubljana Zoo
<b>Spain</b>	Jesús Fernández Morán	Madrid Zoo
	Javier Almunia	Loro Parque
<b>Sweden</b>	Jens Larsson	Järvzoo
	Mats Höggren	Nordens Ark
<b>Switzerland</b>	Caspar Bijleveld	Papiliorama
<b>Turkey</b>	Afşin Şahin	Izmir Wildlife Park
<b>United Arab Emirates</b>	Paul Vercammen	Arabia's Wildlife Centre
<b>United Kingdom</b>	Gary Batters	Banham Zoo
	Mark Pilgrim / David Field**	Chester Zoo / RZSS
	Charlotte MacDonald	Edinburgh Zoo
	Lesley Dickie	Jersey Zoo
	Kirsten Pullen	Paignton Zoo

## Co-opted Committee Chairs

<b>Aquarium Representative</b>	João Falcato	Oceanário de Lisboa
<b>Conservation Education Committee</b>	Arlete Sogorb / Antonieta Costa***	Lisbon Zoo (observer status)
<b>National Associations Committee</b>	Volker Homes	Association of German-speaking Zoological Gardens (VdZ)
<b>Research Committee</b>	Zjef Pereboom	Antwerp Zoo
<b>Technical Assistance Committee</b>	André Stadler	Alpenzoo Innsbruck
<b>Veterinary Committee</b>	Arne Lawrenz	Wuppertal Zoo

\* from September 2021

\*\* from 30 June 2021

\*\*\* from 20 April 2021

# 18 EAZA EXECUTIVE OFFICE



**Executive Director**  
Myfanwy Griffith



**Deputy Director/ Director of Conservation and Population Management**  
Danny de Man



**Director of Communications and Membership**  
David Williams-Mitchell



**Office Manager**  
Lilian Fiolet



**Office Coordinator**  
Laura Kluff-Hogervorst



**Funding Coordinator**  
Dalilla Frasson



**Species360 European Regional Coordinator**  
Sander Cozijn



**EU Policy Manager**  
Tomasz Rusek



**EU Policy Coordinator**  
Allan Muir



**Animal Programmes and Conservation Manager**  
William van Lint



**Animal Programmes and Conservation Coordinator**  
Merel Zimmermann



**Animal Programmes and Conservation Coordinator**  
Kelly Lavooij-van Leeuwen



**Animal Programmes and Conservation Coordinator**  
David Aparici Plaza



**Animal Programmes and Conservation Support Officer**  
Lauren Florisson



**Reproductive Biology Coordinator**  
Veronica Cowl



**Biobank Coordinator**  
Ania Brown\*



**Biobank Coordinator**  
Anna Mekarska\*\*



**Population Management Centre Manager**  
Raymond van der Meer



**Population Biologist**  
Kristin Leus



**Population Biologist**  
Elmar Fienieg



**Population Biologist**  
Maria Paula Balcazar-Vargas



**Population Biologist**  
Iva Martincová



**Population Biologist**  
Charlotte Desbois



**Assistant Population Biologist**  
Maaïke Voorham##



**Assistant Population Biologist**  
Nora Hausen



**Assistant Population Biologist**  
Marie Corlay



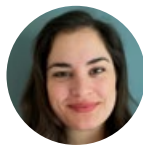
**Academy Manager**  
Laura Myers



**Animal Welfare Coordinator**  
Sally Binding



**Communications Officer**  
Sandrine Camus



**Communications Officer**  
Minoou Kristiansen#



**Events and Member Services Coordinator**  
Mirko Marseille



**Accreditation and Membership Manager**  
April Adams



**Accreditation Coordinator**  
Joni Hut



**Bsal MOOC Coordinator**  
Annemarieke Spitzen\$

\* until November 2021

\*\* from November 2021

# until June 2021

## until July 2021

\$ Short term funded contract

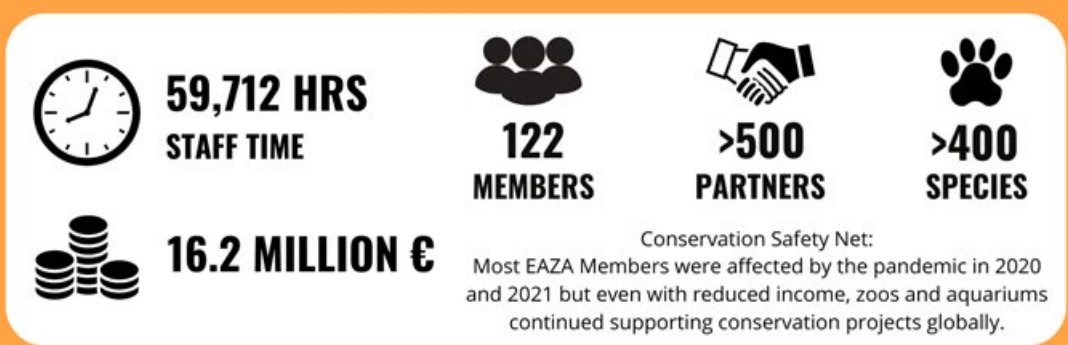
# 19 THE EAZA CONSERVATION DATABASE

The EAZA Conservation Database enables collation of data from all the various conservation activities EAZA Members are involved in. For a full breakdown of projects supported in 2021 and entered by our Members into the EAZA Conservation Database, please see the list on the following pages and/or explore the [EAZA Conservation Map](#).



## CONTRIBUTIONS TO CONSERVATION TOTAL SUPPORT 2021

**i** Based on information available in the EAZA Conservation Database on 7 June 2022



## AREAS OF FINANCIAL SUPPORT



\*include plant, habitat conservation, conservation tool development

**Progressive Zoos and Aquariums Saving Species Together with You**

Project or activity	Region of aim	Supporting EAZA Member
<b>TERRESTRIAL INVERTEBRATES</b>		
Clouded apollo conservation	Europe	Nordens Ark
Natural England - Fisher's Estuarine Moth Breeding Programme	Europe	Colchester Zoo
Saving the greater Capricorn beetle - <i>Cerambyx cerdo</i>	Europe	Nordens Ark
Kleinformelverein eV - Immeninsel	Europe	Halle Zoo
Breeding and reintroduction of the longhorn beetle ( <i>Plagionotus detritus</i> )	Europe	Nordens Ark
Native Invertebrate Programme	Europe	Royal Zoological Society of Scotland (Edinburgh Zoo, Highland Wildlife Park)
Conservation of the Alpine longhorn beetle ( <i>Rosalia alpina</i> )	Europe	Alpenzoo Innsbruck
Desertas Wolf Spider	Europe	Bristol, Clifton & West of England Zoological Society (Bristol Zoo and Wild Place)
Silky wave moth conservation	Europe	Bristol, Clifton & West of England Zoological Society (Bristol Zoo and Wild Place)
The Status, threats, and conservation of Ladybirds in Ireland	Europe	Fota Wildlife Park (The Zoological Society of Ireland)
Breeding and reintroduction of the Assmann's fritillary ( <i>Melitaea britomartis</i> )	Europe	Nordens Ark
Chequered blue wing conservation	Europe	Nordens Ark
Conservation of the rattle grasshopper ( <i>Psophus stridulus</i> )	Europe	Nordens Ark
Conservation of the Reverdin's blue ( <i>Plebejus argyrognomon</i> )	Europe	Nordens Ark
Třesina, z.s. - Reintroduction of the eastern baton blue ( <i>Pseudophilotes vicrama</i> ) in Prague	Europe	Prague Zoo
Development of a breeding instruction for the Alpine beetle ( <i>Rosalia alpina</i> )	Europe	Nordens Ark
Zoos Victoria - Conservation of the critically endangered Lord Howe stick insect	Oceania	Prague Zoo
Wētāpunga Breed and Release Programme	Oceania	Auckland Zoo
Captive breeding of extinct land snails ( <i>Partula sp.</i> )	Oceania	Riga Zoo
<b>ELASMOBRANCH</b>		
Ludwig-Maximilians-Universität München (LMU) - Elasmobranch Project Angola	Africa	Oceanário de Lisboa
Universidad de Las Palmas de Gran Canaria - CanBio - Angelsharks	Europe	Loro Parque
Elasmobranch bycatch project	Europe	Oceanogràfic Valencia
IMAR- Instituto do Mar - Fly with bull rays	Europe	Oceanário de Lisboa
Universidad de Las Palmas de Gran Canaria - CanBio - Mantelinas	Europe	Loro Parque
<b>MARINE TELEOSTS</b>		
University of Lisbon - TUNAPRINT: the Tuna behind the can	Europe	Oceanário de Lisboa
Release European eel	Europe	Berlin Zoo   Berlin Tierpark
<b>FRESHWATER TELEOSTS</b>		
Sustainable Lake Tanganyika - Nkondwe Island marine sanctuary and research facility at Lake Tanganyika	Africa	Zoological Society for the Conservation of Species and Populations - ZGAP
Morelia University - Mexico Fish Arks Project	Central America	Chester Zoo (North of England Zoological Society)
Goodeid Working Group - Reintroduction of the crescent splitfin and other goodeids in Mexico	Central America	Wilhelma Zoo, Beauval Zoo
Directions Régionales de l'Environnement, de l'Aménagement et du Logement (DREAL) - European programme Life Apron II	Europe	Besaçon Zoo
Fish Net - Research and protection of <i>Aphanius</i> spp.	Europe	Vienna Zoo

Insurance population of freshwater fish Dor's loach ( <i>Nemacheilus dori</i> )	Middle East	Jerusalem Zoo
<b>CORALS</b>		
Marinecultures.org - Corals and Sponges in Zanzibar	Africa	Basel Zoo
Coral reef and mangrove restoration in Bali	Asia	Beauval Zoo
SECORE - worldwide coral reef conservation	Multiple regions or not region specific	Antwerp Zoo / Planckendael Zoo
<b>AQUATIC INVERTEBRATES</b>		
Edelkrebsprojekt NABU NRW- Reintroduction of <i>Astacus astacus</i>	Europe	Aquazoo Düsseldorf
Southwest crayfish project	Europe	Bristol, Clifton & West of England Zoological Society (Bristol Zoo and Wild Place)
Marine Education Centre Pula - Assessing condition of noble pen shell ( <i>Pinna nobilis</i> ) south Adriatic Sea	Europe	Aquazoo Düsseldorf
Saving stone crayfish ( <i>Austropotamobius torrentium</i> )	Europe	Besançon Zoo
Restoring a local European lobster ( <i>Homarus gammarus</i> ) population	Europe	Nordsøen Oceanarium
White-clawed crayfish conservation	Europe	Paignton Zoo (Wild Planet Trust)
<b>AMPHIBIANS</b>		
University of Mahajanga - Securing the population of <i>Mantella viridis</i> , frog in Northern of Madagascar	Africa	Stiftung Artenschutz
Conservation research and action for amphibians of Uganda & Cameroon	Africa	Royal Zoological Society of Scotland (Edinburgh Zoo, Highland Wildlife Park)
Conservation assessment of hyper-endemic amphibian species in the Uzungwa Scarp, Eastern Arc Mountains, Tanzania	Africa	Paignton Zoo (Wild Planet Trust)
Talarak Foundation - Determining the presence of Bd in populations of the Negros cave frog	Asia	Chester Zoo (North of England Zoological Society)
Amphibian conservation on the roof of Indochina	Asia	ZSL London Zoo and ZSL Whipsnade Zoo (Zoological Society of London)
Michoacana University - Conservation and long-term management of the achoque and its habitat	Central America	Chester Zoo (North of England Zoological Society)
Lemur leaf frog conservation	Central America	Shaldon Wildlife Trust
Ligue pour la Protection des Oiseaux (LPO)	Europe	Besançon Zoo
<i>Batrachochytrium salamandrivorans</i> (Bsal) in Austrian salamanders	Europe	Vienna Zoo
Habitat restoration and local amphibian conservation	Europe	Oceanogràfic Valencia
Reptielen Amfibieën Vissen Onderzoek Nederland (RAVON) - Saving the European fire salamander	Europe	GaiaZOO
Reintroduction of the green toad in Sweden	Europe	Nordens Ark
Comité Départemental de Protection de la Nature et de l'Environnement (CDPNE) - Conservation of common spadefoot in Loir et Cher	Europe	Beauval Zoo
Census of European tree frog population in Latvia	Europe	Riga Zoo
Natagora - Breeding and release of European yellow-bellied toad ( <i>Bombina variegata</i> )	Europe	Pairi Daiza
Natterjack Toads Head-starter Project in County Kerry	Europe	Fota Wildlife Park (The Zoological Society of Ireland)
Association Hyla - PROTEUS-Olm conservation	Europe	Zagreb Zoo
Fédération Aude Claire - Inventory, preservation, sensitisation for the <i>Pelobates cultripes</i>	Europe	Sigean African Reserve
Société Herpétologique de France - Amphibians of Sologne - eradication of the bullfrog	Europe	Beauval Zoo
Zoo, Kultur und Bildungs Hoyerswerda gGmbH - Creation of amphibian hibernation places	Europe	Hoyerswerda Zoo
Frogs & Friends - Citizen Conservation - Amphibian Conservation	Multiple regions or not region specific	Vienna Zoo

Amphibian Survival Alliance	Multiple regions or not region specific	Leipzig Zoo
Amphibian Ark	Multiple regions or not region specific	Nordens Ark, Leipzig Zoo
Zoos Victoria - Conservation of the critically endangered Southern Corroboree frog	Oceania	Prague Zoo
Museo de Historia Natural Alcide d'Orbigny - Kayra Center	South America	Aquazoo Düsseldorf
ONG Ranita de Darwin - Implementation of the national conservation strategy for Darwin's Frog	South America	Leipzig Zoo
Breeding and research station for the Darwin's frog ( <i>Rhinoderma darwinii</i> ) in Concepción, Chile	South America	Leipzig Zoo
Wildlife Conservation Society (WCS) - Conservation centre of amphibians in Southwest Colombia	South America	Zürich Zoo
Fundación Jambatu - Jambatu Harlequin Frog	South America	Wilhelma Zoo
Conservation of the mountain chicken frog	The Caribbean	Nordens Ark
<b>REPTILES</b>		
Soptom Village des Tortues - SOS Sulcata	Africa	Amiens Zoo
Associação Programa Tatô - Sea turtle conservation in São Tomé e Príncipe Islands	Africa	Oceanário de Lisboa
Soptom Village des Tortues - Radiated Tortoise Conservation Project	Africa	Bioparc Doué la Fontaine
Turtle Survival Alliance (TSA) - Radiated tortoises in Madagascar	Africa	Eskilstuna Zoo
Rehabilitation of spur-thighed tortoise in Tunisia	Africa	Marwell Wildlife
Combatting Illegal trade of spur-thighed tortoise	Africa	Royal Zoological Society of Scotland (Edinburgh Zoo, Highland Wildlife Park)
Aktionsgemeinschaft Artenschutz - Marine Turtle Conservation in Watamu Kenya	Africa	Wilhelma Zoo
Tomistoma Task Force	Asia	Dresden Zoo
Gharial Conservation Alliance - Saving the Gharials on the Chambal River	Asia	Prague Zoo
Conservation of Gharial (through CEPa)	Asia	Berlin Zoo   Berlin Tierpark
Nesting and reproductive ecology of gharials in Bardia NP	Asia	Heidelberg Zoo
Kura Kura - Sea Turtles in danger	Asia	Brno Zoo
Komodo Survival programme Wae Wuul nature reserve	Asia	Parco Natura Viva, Pairi Daiza, Eskilstuna Zoo, Chester Zoo (North of England Zoological Society), Fundación Bioparc (Bioparc Fuengirola, Bioparc Valencia), Leipzig Zoo, Rotterdam Zoo, Frankfurt Zoo, Antwerp Zoo / Planckendael Zoo, Paignton Zoo (Wild Planet Trust), Beauval Zoo, Faunia
Project Batagur baska	Asia	Vienna Zoo
University of Bangor - KESS PhD NZS	Europe	Welsh Mountain Zoo
Sanctuary for slider turtles	Europe	Riga Zoo
AG Sumpfschildkröte - Release of European pond turtles ( <i>Emys orbicularis</i> ) in Hesse, Germany	Europe	Frankfurt Zoo, Opel-Zoo
Pavol Jozef Safarik University in Kosice - Conservation of European pond turtle in east Slovakia, NPR Tajba	Europe	Košice Zoo
Nest-adoptions of <i>Emys orbicularis</i> at the Donau-Auen Nationalpark	Europe	Vienna Zoo
Pond turtle ( <i>Emys orbicularis</i> ) reintroduction in Northeast of France	Europe	Mulhouse Zoo
University of Zagreb - Italian wall lizard ( <i>Podarcis sicula</i> ) - Genomic changes under rapid evolution	Europe	Zagreb Zoo
Universidad de Las Palmas de Gran Canaria - CanBio -Turtles	Europe	Loro Parque
ARCHELON - The Sea Turtle Protection Society of Greece	Europe	Parc Merveilleux

Refuge des tortues - Creation of a breeding center dedicated to the <i>Mauremys leprosa</i>	Europe	La Barben Zoo
Sand lizard breeding & reintroductions	Europe	Marwell Wildlife
Association Hyla - Western Caspian turtle ( <i>Mauremys rivulata</i> )	Europe	Zagreb Zoo
Zootier des Jahres Campaign   Zoo Animal of the Year Campaign (Germany)	Multiple regions or not region specific	Halle Zoo, Hoyerswerda Zoo, Bochum Zoo, Heidelberg Zoo, Walter Zoo, Dresden Zoo, Landau Zoo, Marlow Birdpark
Physiology of marine vertebrates (Health status / Field work, modelling, and Neural processing of marine vertebrates)	Multiple regions or not region specific	Oceanogràfic Valencia
Turtle Foundation - Protecting endangered sea turtles	Multiple regions or not region specific	Serengeti-Park Hodenhagen
Northern Striped Gecko Surveys	Oceania	Auckland Zoo
Department of Conservation (DOC), NZ Govt. - Alborn skink population surveys	Oceania	Auckland Zoo
Department of Conservation (DOC), NZ Govt. - Muriwai Gecko Survey	Oceania	Auckland Zoo
Department of Conservation (DOC), NZ Govt. - Rangitoto Reptile Monitoring	Oceania	Auckland Zoo
<b>RATITES</b>		
Red-necked ostrich ( <i>Struthio camelus camelus</i> ) reintroduction in Tunisia	Africa	Marwell Wildlife
Förderverein Großtrappenschutz - Conservation of the great bustard in Germany	Europe	Berlin Zoo   Berlin Tierpark
Operation Nest Egg - Kiwi Recovery	Oceania	Auckland Zoo
<b>PENGUINS</b>		
SANCOBB - Chick Bolstering Project for African penguin	Africa	Zoo de la Palmyre, Basel Zoo
SANCOBB - Rehabilitation of Jackass penguin in South Africa	Africa	Pistoia Zoo, Zoo Duisburg, Artis Zoo, Aachen Zoo
University of Pisa - Geneflow between the world's seven colonies of Northern rockhopper penguin	Europe	Royal Zoological Society of Scotland (Edinburgh Zoo, Highland Wildlife Park)
Habitat monitoring, research and protection of King penguins	Multiple regions or not region specific	Zürich Zoo
Punta San Juan Conservation Center - Humboldt penguin conservation	South America	Givskud Zoo
Sphenisco - Conservation of the Humboldt penguin ( <i>Spheniscus humboldti</i> ) in Chile and Peru	South America	Ouwehands Zoo, Peak Wildlife Park, Landau Zoo, Marlow Birdpark, Frankfurt Zoo, Dresden Zoo, Parc Merveilleux, Košice Zoo, Halle Zoo, Neumünster Zoo, Bochum Zoo
Center of Ecosystem Sentinels - Penguin Conservation at Punta Tombo	South America	Augsburg Zoo
<b>CICONIIFORMES AND PHOENICOPTERIFORMES</b>		
Birdlife South Africa - Protecting lesser flamingo in South Africa	Africa	GaiaZOO
GREPROM - Conservation of waldrapp ibis in Morocco	Africa	GaiaZOO
Aaranyak - Greater Adjutant Conservation Project	Asia	Rotterdam Zoo, Beauval Zoo, Wilhelma Zoo
Synchronicity Earth - Breeding ecology of the white-bellied heron	Asia	Stiftung Artenschutz
Vogelringstation de Haar - Banding project for black-crowned night herons in Dutch zoos	Europe	Avifauna Birdpark
Waldrappteam - Reintroduction of the waldrapp ibis in central Europe	Europe	Vienna Zoo, Heidelberg Zoo
Reintroduction project: Proyecto Eremita	Europe	Halle Zoo, Berlin Zoo   Berlin Tierpark, Opel-Zoo, Bioparc Doué la Fontaine, Nordens Ark
Foundation Stork Research and Knowhow (STORK)	Europe	Avifauna Birdpark
Stork Switzerland - SOS Stork Hrvatska	Europe	Zagreb Zoo



Svenska Storkprojektet - Reintroduction of white storks in Southern Sweden	Europe	Nordens Ark
EEREPAMI Regenwaldstiftung Guyana - Sun parakeet conservation	South America	GaiaZOO
<b>WATERFOWL AND PELECANIFORMES</b>		
Madagascan pochard captive breeding and release project	Africa	Fota Wildlife Park (The Zoological Society of Ireland)
Conservation of two species of pelicans <i>in situ</i> and <i>ex situ</i>	Asia	Moscow Zoo
Swedish Association for Hunting and Wildlife Management - Restocking of the lesser white-fronted goose	Europe	Nordens Ark
Latvijas Gulbju izpetes biedriba - Whooper swan ( <i>Cygnus cygnus</i> ) scientific banding	Europe	Riga Zoo
Conservation of the ferruginous duck ( <i>Aythya nyroca</i> ) in Israel	Middle East	Jerusalem Zoo
Zooparque Itatiba - Brazilian merganser captive reproduction project	South America	Prague Zoo
<b>RAPTORS</b>		
VulPro Vulture Conservation	Africa	Wilhelma Zoo, Blair Drummond Zoo
Savanna vulture project	Africa	Hawk Conservancy Trust
Foret Modele de Tlemecen - Monitoring of Egyptian vulture	Africa	Bioparc Doué la Fontaine
Nature en Occitanie - Monitoring of Egyptian vulture	Africa	Bioparc Doué la Fontaine
Peregrine fund - Saving Africa's Vultures	Africa	Rotterdam Zoo
Poison response action campaign	Africa	Hawk Conservancy Trust
Lomonosov Moscow State University - Assessment of the current state and conservation of the Steller's sea eagle	Asia	Kolmården Zoo
The Pakistan Vulture Restoration Project (PVRP)	Asia	Hawk Conservancy Trust
Vulture Conservation Foundation (VCF) - Bearded vulture reintroduction	Europe	Vienna Zoo, Parco Natura Viva, Helsinki Zoo, Frankfurt Zoo, Berlin Zoo   Berlin Tierpark, Beauval Zoo, Liberec Zoo
Ligue pour la Protection des Oiseaux (LPO) - Unrestricted support	Europe	Beauval Zoo
Vulture Conservation Foundation (VCF) - Unrestricted support	Europe	Dresden Zoo
Hegalaldia - French rescue center for vultures	Europe	Bioparc Doué la Fontaine
Ligue pour la Protection des Oiseaux (LPO) - Cinereous vulture reintroduction in Verdon (France)	Europe	La Barben Zoo
Vulture Conservation Foundation (VCF) - Black vulture reintroduction	Europe	Antwerp Zoo / Planckendael Zoo
Raptor nest box project	Europe	Hawk Conservancy Trust
Artificial nesting sites for owls	Europe	Avifauna Birdpark
Buzzard and red kite activity in relation to land use	Europe	Hawk Conservancy Trust
CEN-PACA Conservatoire d'Espaces Naturels de Provence Alpes Côte-d'Azur - Conservation of the Egyptian vulture in France	Europe	Bioparc Doué la Fontaine
Egyptian vulture reintroduction in the Balkans	Europe	Prague Zoo
BRINZAL - Conservation release of autochthonous Nocturnal birds of prey in Madrid	Europe	Madrid Zoo Aquarium
Reintroduction of Eurasian eagle owl ( <i>Bubo bubo</i> ) in Sweden	Europe	Orsa Zoo, Järvzoo, Skansen Zoo
Reintroduction of the Eurasian eagle owl	Europe	Nordens Ark
Kestrel conservation monitoring	Europe	Hawk Conservancy Trust
Beli Visitor Centre and Rescue Centre for Griffon Vultures	Europe	Zagreb Zoo
University of Sassari - Life under griffon wings	Europe	Artis Zoo
Fund for Wild Flora and Fauna - Griffon vulture reintroduction in Kresna Gorge (Bulgaria)	Europe	Parc Animalier de Sainte-Croix

Nordvorpommersche Waldlandschaft - North-Western Pomerania woodlands for lesser spotted eagles	Europe	Marlow Birdpark
Collectif Préversons la Biodiversité	Europe	Parc Animalier de Sainte-Croix
ČSOP Břeclav - Little owl ( <i>Athene noctua</i> ) conservation in Southern Moravia	Europe	Brno Zoo
Förderverein Nuthe Nieplitz - <i>Athene noctua</i> reintroduction in Nuthe Nieplitz, Germany	Europe	Hoyerswerda Zoo
Zoo, Kultur und Bildungs Hoyerswerda gGmbH - <i>Athene noctua</i> reintroduction in Saxony, Germany	Europe	Hoyerswerda Zoo
Red Kite Ecology	Europe	Hawk Conservancy Trust
Conservation programme of Ural owl ( <i>Strix uralensis</i> )	Europe	Opel-Zoo, Vienna Zoo
Conservation of the griffon vulture ( <i>Gyps fulvus</i> ) in Israel	Middle East	Jerusalem Zoo
Conservation of the lesser kestrel ( <i>Falco naumanni</i> ) in Israel	Middle East	Jerusalem Zoo
Genetic analysis of Steller's sea eagle from the wild and from zoos	Multiple regions or not region specific	Brno Zoo
Fundacion Bioandina - Andean condors in Argentina	South America	Bioparc Doué la Fontaine, Beauval Zoo
National Institute for Amazonian Research (INPA) - Conservation of the harpy eagle in Brazil	South America	Beauval Zoo
<b>GALLIFORMES</b>		
Beira Association - Djiboutian Francolin Conservation	Africa	Beauval Zoo
Viet Nature - Vietnam pheasant conservation in Vietnam	Asia	Berlin Zoo   Berlin Tierpark, Stiftung Artenschutz,
Using genetic research to help secure long-term future of capercaillie	Europe	Royal Zoological Society of Scotland (Edinburgh Zoo, Highland Wildlife Park)
Alpine meadow conservation in the Osterzgebirge	Europe	Dresden Zoo
The World Pheasant Association (WPA) - Western Hazel Grouse - Project Rhenana	Europe	Marlow Birdpark
Kea Conservation Trust	Oceania	Bremerhaven Zoo
<b>GRUIFORMES</b>		
Eurasian Regional Association of Zoos and Aquariums (EARAZA) - Conservation of Eurasian Cranes	Asia	Moscow Zoo
Repatriation programme for two crane species in the Far East	Asia	Brno Zoo
Conservation of Eastern cranes along Northeast Asian Flyway	Asia	Nordens Ark
Naturschutzbund Deutschland (NABU) - Land for Cranes	Europe	Marlow Birdpark
Irish corncrake captive breeding and wild population augmentation project	Europe	Fota Wildlife Park (The Zoological Society of Ireland)
Department of Conservation (DOC), NZ Govt. - Takahē Recovery Programme	Oceania	Auckland Zoo
<b>CHARADRIIFORMES</b>		
Association de sauvegarde du littoral des Orpellières - Preservation of the biodiversity on the Biterrois coast	Europe	Sigean African Reserve
Fundación Jocotoco - Improving nesting sites of Galapagos petrels	South America	Marlow Birdpark
<b>PIGEONS AND DOVES</b>		
Philippine Reef and Rainforest Conservation Foundation, Inc - Assessment for potential conservation introduction of Negros bleeding heart dove	Asia	Chester Zoo (North of England Zoological Society)
Nias Heritage Museum - Silvery pigeon conservation breeding and research	Asia	Marlow Birdpark
SAVE Brasil - Conservation action for the blue-eyed ground-dove	South America	Marlow Birdpark
<b>PARROTS</b>		
Limbe Wildlife Centre - Rehabilitating and reintroducing confiscated African grey parrots	Africa	Marlow Birdpark

Species recovery programme for the echo parakeet	Africa	Chester Zoo (North of England Zoological Society)
Survey on recent situation of Enggano endemic birds after El Nino 2019	Asia	Zoological Society for the Conservation of Species and Populations - ZGAP
Katala Foundation - Philippine Cockatoo Conservation Project (PCCP)	Asia	Heidelberg Zoo, Augsburg Zoo, Loro Parque, Beauval Zoo, Chester Zoo (North of England Zoological Society)
Conservation of <i>Ara militaris</i> in the Zicuiran-Infiernillo Biosphere Reserve	Central America	Loro Parque
Universidad Michoacana de San Nicolás de Hidalgo - Monitoring and conservation of the military macaw in the El Chocolate community	Central America	Kolmården Zoo
Community surveillance and protection of the Military Macaw	Central America	Loro Parque
Wildlife Conservation Society (WCS) - How many macaws?	Central America	Loro Parque
Belize Bird Conservancy - Determining the status of <i>Amazona oratrix belizensis</i> in Belize	Central America	Loro Parque
Loro Parque Fundación	Europe	Wuppertal Zoo
University of Giessen - When chicks produce endangered parrots	Europe	Loro Parque
University of La Laguna - Oxidative damage and telomere dynamics in psittacines	Europe	Loro Parque
Estación Biológica de Doñana (CSIC) - Assessing the large-scale impacts of habitat loss and poaching on parrots	Multiple regions or not region specific	Loro Parque
Kākāpō Recovery	Oceania	Auckland Zoo
Bush heritage - Conservation of Carnaby's Cockatoo	Oceania	Loro Parque
The Ecuadorian amazon parrot educational programme	South America	Chester Zoo (North of England Zoological Society)
Jocotoco Reserve Las Balsas, Lilacine Amazon project	South America	Marlow Birdpark
Fundación Pro-Bosque - Ecuador Amazon parrot research and monitoring programme	South America	Chester Zoo (North of England Zoological Society)
Armonia - Blue-throated macaws nest boxes project	South America	Artis Zoo
Loro Parque Fundación Conservation Centre for the blue-throated macaw	South America	Loro Parque
Reintroduction of the great green macaw in western Ecuador	South America	Loro Parque
An ecological corridor for the endangered El Oro parakeet in Ecuador	South America	Loro Parque
Hyacinth Macaw Institute - Conservation of the largest refuge of hyacinth macaws in Brazil	South America	Loro Parque
Projeto Arara Azul: conservation of the hyacinth macaw	South America	Bioparc Doué la Fontaine
Habitat protection and population monitoring of hyacinth macaws	South America	Zürich Zoo
The hyacinth macaw ( <i>Anodorhynchus hyacinthinus</i> ) in Bolivia	South America	Loro Parque
Plinio Ferreira Mantovani Eireli - Saving the wild population of endangered Lear's Macaw in Brazil	South America	Prague Zoo
Sintese Cervicos Veterinários - Lear's macaw rescue programme	South America	Wuppertal Zoo
Sociedad Ornitológica de Córdoba - In search of the Sinu Parakeet ( <i>Pyrrhura picta subandina</i> )	South America	Loro Parque
Armonia - Conservation of the red-fronted macaw	South America	Bioparc Doué la Fontaine
Conservation of the red-tailed amazon and Vinaceous amazon	South America	Loro Parque
Instituto Espaço Silvestre - Reintroduction of <i>Amazona vinacea</i> at the Araucárias National Park	South America	Wilhelma Zoo
Waita - Research and Conservation Institute - Voar Project: Vinaceous-breasted Amazon parrot	South America	Loro Parque
Projeto Periquito Cara-Suja - Grey-breasted parakeet	South America	Loro Parque, Marlow Birdpark
Protecting the yellow-eared Parrot reserve in Cotopaxi province, Ecuador	South America	Loro Parque

Fundación Vida Silvestre - Rediscovering yellow-eared parrot in the country?	South America	Loro Parque
Monitoring a surprising new population of Fuerte's parrot	South America	Loro Parque
A new monitoring point of yellow-eared parrot	South America	Loro Parque
Ecology and conservation of endemic psittacids, Cuba	The Caribbean	Loro Parque
Towards the long-term survival of the endemic Hispaniolan amazon	The Caribbean	Loro Parque
<b>TOUCAN AND TURACO</b>		
Swedish Society for Nature Conservation (SSNC) - Restocking of the white-backed woodpecker ( <i>Dendrocopos leucotos</i> ) in Sweden	Europe	Järvzoo
<b>HORNBILLS</b>		
Mabula Ground Hornbill Research and Conservation	Africa	Zoo Boissière du Doré, Montpellier Zoo, Augsburg Zoo, Beauval Zoo, Kolmården Zoo
HUTAN - Hornbill Conservation Project (HHCP)	Asia	Chester Zoo (North of England Zoological Society), Beauval Zoo
Wanicare Foundation - rehabilitation of hornbills in Cikepuh Wildlife Reserve	Asia	Ouwehands Zoo
Hornbill Research Foundation -Thailand hornbill project	Asia	Wilhelma Zoo
Hornbill watch	Asia	Amiens Zoo
Nature Conservation Foundation - Hornbill Nest Adoption programme	Asia	Zoo Boissière du Doré
Protection of Eurasian hoopoe ( <i>Upupa epops</i> ) and its habitat	Europe	Brno Zoo
<b>SONGBIRDS</b>		
Mauritian Wildlife Foundation - Conservation of Mauritian passerines	Africa	Chester Zoo (North of England Zoological Society)
Silent Forest Group - Asian Songbird Crisis (post campaign)	Asia	Marlow Birdpark
Cikananga Conservation Breeding Centre (CCBC) - Songbirds	Asia	Montpellier Zoo, Chester Zoo (North of England Zoological Society), Prague Zoo
KASI Foundation - Prigen Conservation Breeding Ark	Asia	Marlow Birdpark, Basel Zoo, Wuppertal Zoo, Heidelberg Zoo, Leipzig Zoo
Save Magjao - Nias Hill Myna	Asia	Marlow Birdpark
Yayasan Ekosistem Lestari (YEL) - Sumatran Songbird Sanctuary	Asia	Beauval Zoo
EAZA Silent Forest Campaign (2017 - 2019) - unrestricted support	Asia	Dresden Zoo
Swallow protection action plan in towns and villages in South of France	Europe	Sigean African Reserve
Committee action against bird slaughter	Europe	Bioparc Doué la Fontaine
Monitor Songbird Lab	Multiple regions or not region specific	Marlow Birdpark
Recovery of Fatu Hiva Monarch through community engagement	Oceania	Marlow Birdpark, Stiftung Artenschutz
Kōkako Population Census - Ark in the Park	Oceania	Auckland Zoo
SAVE Brasil - Conservation action for the Alagoas antwren	South America	Marlow Birdpark
Instituto de Ensino Pesquisa e Preservação Ambiental Marcos Daniel - Nest protection for the extremely rare cherry-throated tanager	South America	Marlow Birdpark
<b>MONOTREMES AND MARSUPIALS</b>		
Yayasan Kolaborasi Inklusi Konservasi (KONKLUSI) - Conservation of Attenborough's long-beaked echidna	Asia	Stiftung Artenschutz
PROGRES Sulawesi - Conservation of the Talaud bear cuscus in North Sulawesi	Asia	Stiftung Artenschutz
Zoos Victoria - Southern brush-tailed rock-wallaby conservation programme	Oceania	Prague Zoo

Woodland Park Zoo - Conservation of tree kangaroos Papua New Guinea	Oceania	Beauval Zoo
Tenkile Conservation Alliance (TCA)	Oceania	Frankfurt Zoo, Berlin Zoo   Berlin Tierpark
Australian Koala Foundation	Oceania	Madrid Zoo Aquarium, Antwerp Zoo / Planckendael Zoo
Conservation and research of koala	Oceania	Beauval Zoo
Tasmanian Department of Primary Industries, Parks, Water and Environment - Maria Island Tasmanian devil management programme	Oceania	Prague Zoo
Royal Zoological Society of South Australia	Oceania	Mulhouse Zoo

## PROSIMIANS

AEECL - Association Européenne pour l'Etude et la Conservation des Lémuriens	Africa	Mulhouse Zoo, Shaldon Wildlife Trust, Berlin Zoo   Berlin Tierpark, Besançon Zoo, NaturZoo Rheine, Dublin Zoo (The Zoological Society of Ireland), Zoo de la Palmyre, Parc Animalier de Sainte-Croix, Beauval Zoo, Fundación Bioparc (Bioparc Fuengirola, Bioparc Valencia), Bristol, Clifton & West of England Zoological Society (Bristol Zoo and Wild Place), Montpellier Zoo, Heidelberg Zoo, Curraghs Wildlife Park
U-Onlus - Maromizaha Forest conservation project	Africa	Pistoia Zoo, Parco Natura Viva
Conservation of the lemurs of Adriantantely forest	Africa	Beauval Zoo
Antongil Lemur Conservation in Madagascar	Africa	Parc Animalier d'Auvergne
Sifaka Conservation Project	Africa	Mulhouse Zoo, NaturZoo Rheine, Berlin Zoo   Berlin Tierpark, Heidelberg Zoo
Helpsimus Bamboo Lemur Programme	Africa	CERZA, Ménagerie du Jardin des Plantes, NaturZoo Rheine, African Safari Plaisance-Touche, Mulhouse Zoo, Zoo Boissière du Doré, Montpellier Zoo, Beauval Zoo, Parc Animalier de Sainte-Croix, Zoo de la Palmyre
Zoos for zoos for lemurs	Africa	NaturZoo Rheine
University of Torino - Volohasy-Bambù Project	Africa	Punta Verde Zoo
Groupe d'étude et de recherche sur les primates (GERP) - Red ruffed lemur reintroduction	Africa	Zoo de la Palmyre
Madagascar Fauna Group (MFG)	Africa	Leipzig Zoo, Zürich Zoo
SEED Madagascar - Project Ala	Africa	Paradise Wildlife Park
Feedback Madagascar	Africa	Blair Drummond Zoo
Groupe d'étude et de recherche sur les primates de Madagascar (GERP) - general support	Africa	Bioparc Doué la Fontaine
Masoala Rainforest (Madagascar)	Africa	Aquazoo Düsseldorf, Zürich Zoo
The Kukang Rescue programme	Asia	Ouwehands Zoo, NaturZoo Rheine, Liberec Zoo
Little Fireface Project	Asia	Shaldon Wildlife Trust, NaturZoo Rheine, Augsburg Zoo

## CALLITRICHIDS

Custodian of the Lion Tamarins of Brazil Fund	South America	Zoo de la Palmyre, Frankfurt Zoo, Beauval Zoo
Sociedade de Pesquisa em Vida Selvagem e Educação Ambiental (SPVS) - Yellow fever risk assessment and management to the black-faced lion tamarin	South America	Punta Verde Zoo
Instituto Biomas - Conservation of mountain marmosets in Brazil	South America	Beauval Zoo
Fundación Proyecto Tití	South America	Amiens Zoo, Shaldon Wildlife Trust, Borås Zoo, Zoo de la Palmyre, Paradise Wildlife Park, Besançon Zoo, Rotterdam Zoo, Parco Natura Viva, Beauval Zoo, Artis Zoo,
Associação Mico-Leão Dourado (AMLD) - Cotton-top tamarin conservation in Colombia	South America	La Barben Zoo
Associação Mico-Leão Dourado (AMLD) - Save the Golden lion Tamarin	South America	Ménagerie du Jardin des Plantes, Copenhagen Zoo, Curraghs Wildlife Park

Project BioBrasil	South America	Antwerp Zoo / Planckendael Zoo
Conservation of the pied tamarin	South America	Shaldon Wildlife Trust
International conservation programme for the white-footed tamarin ( <i>Saguinus leucopus</i> )	South America	Beauval Zoo, Fautia, Mulhouse Zoo, Parc Merveilleux, CERZA, Zoo de la Palmyre
<b>LARGER NEW WORLD MONKEYS</b>		
Proyecto Washu	South America	Amiens Zoo, Bioparc Doué la Fontaine
Proyecto Caparo	South America	Parc Animalier d'Auvergne, Bioparc Doué la Fontaine
Ikamaperu - Woolly monkey education and rehabilitation centre in Moyobamba, Peru	South America	Ménagerie du Jardin des Plantes
Laboratório de Zoologia e Laboratório de Ecologia e Conservação de Mamíferos (LECOM) - Yellow-breasted capuchin conservation programme in the dry forests of Brazil	South America	Zoo de la Palmyre
Le Conservatoire pour la Protection des Primates - Proyecto Mono Tocón	South America	Avifauna Birdpark, Mulhouse Zoo, Zoo Boissière du Doré, Parc Animalier de Sainte-Croix,
<b>AFRO-EURASIAN MONKEYS</b>		
Barbary Macaque Awareness & Conservation (BMAC)	Africa	Vienna Zoo, NaturZoo Rheine, Parco Natura Viva, Blair Drummond Zoo, Vienna Zoo, Helsinki Zoo, Beauval Zoo
Barbary macaque conservation in collaboration with DEPANA and BMAC	Africa	GaiaZOO
Conservation of three primate species in eastern Democratic Republic of Congo	Africa	Barcelona Zoo
Pandrillus - Rettet den Drill e.V. / Save the Drill	Africa	Eskilstuna Zoo, Hannover Zoo
University of Pisa - Geladas to understand humans, herps to understand their environment	Africa	Besançon Zoo, Rotterdam
ATO Center for primates in Benin	Africa	La Barben Zoo
Centre Suisse de Recherches Scientifiques en Côte-d'Ivoire - Conservation of the Roloway guenon in Ivory Cost	Africa	Mulhouse Zoo
West African Primate Conservation Action (WAPCA)	Africa	Mulhouse Zoo, Dublin Zoo (The Zoological Society of Ireland), Paradise Wildlife Park, Košice Zoo, Zoo Duisburg, GaiaZOO, Fundación Bioparc (Bioparc Fuengirola, Bioparc Valencia), Rotterdam Zoo, Zoo de la Palmyre, Ouwehands Zoo, Landau Zoo, Paradise Wildlife Park, Mulhouse Zoo, Heidelberg Zoo
Sanje mangabey project	Africa	Bristol, Clifton & West of England Zoological Society (Bristol Zoo and Wild Place)
Libassa Wildlife Sanctuary	Africa	Amersfoort Zoo
Reinforcement of Javan langurs populations in Indonesia	Asia	Beauval Zoo
Selamatkan Yaki	Asia	Paignton Zoo (Wild Planet Trust), Mulhouse Zoo, Rotterdam Zoo, Dublin Zoo (The Zoological Society of Ireland), CERZA,
Flora and Fauna International - Tonkin snub-nosed monkey in Quan Ba District, Vietnam	Asia	Fota Wildlife Park (The Zoological Society of Ireland)
Cat Ba Langur Conservation Project	Asia	Leipzig Zoo
Chances for Nature - Conservation of popa langurs in Myanmar	Asia	Dublin Zoo (The Zoological Society of Ireland)
<b>GIBBONS</b>		
Kalaweit Care Center	Asia	Ménagerie du Jardin des Plantes, La Barben Zoo
Flora and Fauna International - Western black-crested gibbon in Mu Cang Chai, Vietnam	Asia	Fota Wildlife Park (The Zoological Society of Ireland)
Endangered Asian Species Trust	Asia	Shaldon Wildlife Trust, Parc Animalier de Sainte-Croix
Conservation of the yellow-cheeked crested gibbon in Vietnam (ZGF)	Asia	Bratislava Zoo, Pistoia Zoo, Parco Natura Viva, Prague Zoo
Stiftung Artenschutz / Species Conservation Foundation - Gibbon project	Asia	Wilhelma Zoo, Pairi Daiza

Anoulak - general support	Asia	Besaçon Zoo, La Barben Zoo, CERZA, Mulhouse Zoo
HURO - conservation of Western hoolock gibbon	Asia	CERZA, Zoo de la Palmyre
Northern buff-cheeked gibbons in Vietnam	Asia	Loro Parque
<b>GREAT APES</b>		
Equatorial Guinea Conservation Programme	Africa	Bristol, Clifton & West of England Zoological Society (Bristol Zoo and Wild Place)
Wandering bus Project	Africa	Prague Zoo
LuiKotale Bonobo Project	Africa	Antwerp Zoo / Planckendael Zoo
Bonobo Alive - Protection of bonobos in Salonga N.P.	Africa	Berlin Zoo   Berlin Tierpark, Wilhelma Zoo, Ouwehands Zoo
Sanctuary Lola Ya Bonobo	Africa	Ménagerie du Jardin des Plantes, Wilhelma Zoo, Beauval Zoo
African Conservation - Chimpanzee conservation Cameroon	Africa	Amersfoort Zoo
African Nature Investors Foundation - Protecting the chimpanzees of Gashaka Gumti National Park, Nigeria	Africa	Chester Zoo (North of England Zoological Society)
Bulundi Chimpanzee Conservation	Africa	Blair Drummond Zoo
Project H.E.L.P (Habitat Ecologique et Liberté des Primates) Congo	Africa	Beauval Zoo, Ménagerie du Jardin des Plantes
Jane Goodall Institute (JGI) - Africa Programmes	Africa	Madrid Zoo Aquarium, Faunia, Selwo Marina, Beauval Zoo
Jane Goodall Institute (JGI) - Chimpanzee Uganda	Africa	Walter Zoo
Pan African Sanctuary Alliance (PASA) - Chimpanzee rescue in Guinea-Bissau	Africa	Beauval Zoo
Projet Primates France - Center for Chimpanzee Conservation	Africa	Parc Merveilleux, Sigean African Reserve
Tacugama Chimpanzee Sanctuary	Africa	Dublin Zoo (The Zoological Society of Ireland), Walter Zoo
Projet Primates France (PPF) - Centre de Conservation pour Chimpanzés	Africa	Zoo Boissière du Doré
West African chimpanzee conservation programme in Senegal	Africa	Fundación Bioparc (Bioparc Fuengirola, Bioparc Valencia)
Wild Chimpanzee Foundation	Africa	Serengeti-Park Hodenhagen
Projet Grands Singes (PGS)	Africa	Antwerp Zoo / Planckendael Zoo
Berggorilla und Regenwald Direkthilfe - Conservation of the mountain gorilla ( <i>Gorilla beringei beringei</i> ) and its habitat	Africa	Heidelberg Zoo, Wilhelma Zoo
Virunga Foundation - Protecting mountain gorillas in Virunga National Park	Africa	Zoo de la Palmyre
Virunga Conservation Project	Africa	Frankfurt Zoo
DodoBahati Stiftung - Congohounds	Africa	Wilhelma Zoo
ITOMBWE	Africa	Zoo Boissière du Doré
Reintroduction of gorillas in Congo and Gabon	Africa	Barcelona Zoo, Beauval Zoo
Protection of Western lowland gorillas and local livelihoods in Gabon	Africa	Chester Zoo (North of England Zoological Society)
Max Planck Institute for Evolutionary Anthropology - Conservation, research, and tourism of Western gorillas in Loango NP	Africa	Heidelberg Zoo
San Diego Zoo Global - Ebo Forest Research Project	Africa	Zoo de la Palmyre
Wildlife Conservation Society (WCS) - Community conservation in the Mbe mountain, Nigeria	Africa	Zoo de la Palmyre
Wildlife Conservation Society (WCS) - Critically Endangered Cross River gorilla ( <i>Gorilla gorilla diehli</i> ) in Afi Mountain, Nigeria	Africa	Kolmården Zoo
World Conservation Society (WCS) - Mbeli Bai Study	Africa	Rotterdam Zoo
Borneo Orangutan Survival Foundation (BOSF)	Asia	

HUTAN - Environmental Awareness Programme (HEAP)	Asia	Chester Zoo (North of England Zoological Society)
HUTAN - General support to Kinabatangan Orangutan Conservation Project (KOCP)	Asia	Vienna Zoo, Ménagerie du Jardin des Plantes, Zoo de la Palmyre, Chester Zoo (North of England Zoological Society), Beauval Zoo, Basel Zoo
Orangutan Foundation UK	Asia	Wilhelma Zoo, Dublin Zoo (The Zoological Society of Ireland)
Orangutan Information Centre - Yayasan Orangutan Sumatera Lestari	Asia	Opel-Zoo
Orangutan Veterinary Advisory Group (OVAG)	Asia	Chester Zoo (North of England Zoological Society)
Conservation of rainforest in Sumatra with the highest known population density of Orangutan / PANECO & SOCP	Asia	Zürich Zoo
Orangutan rescue and rehabilitation center in Sintang	Asia	Loro Parque
<b>SMALL MAMMALS</b>		
Preventing extinction of the giant pangolin in Uganda	Africa	Chester Zoo (North of England Zoological Society)
Conservation of the endangered Hildegard's tomb bat at Kenyan coastal areas	Africa	Zoological Society for the Conservation of Species and Populations - ZGAP
Rehabilitation Center for winter keeping of bats in the Moscow Zoo	Asia	Moscow Zoo
Future For Nature Foundation - Rehabilitation of pangolins and breeding of Owston's civet in Vietnam	Asia	Royal Burgers' Zoo
AutoBAT Counter: digital monitoring and conservation of bats in the Philippines	Asia	Chester Zoo (North of England Zoological Society)
Foundation for Bat Conservation in Switzerland	Europe	Zürich Zoo
Hamster conservation	Europe	Heidelberg Zoo
Rescue, breeding and release of the common hamster ( <i>C. cricetus</i> ) in Germany	Europe	Opel-Zoo
Wageningen University - Conservation of common hamster in the Netherlands	Europe	GaiaZOO
Conservation of German bat species	Europe	Serengeti-Park Hodenhagen
Protection of bats species in Loir-et-Cher, "Sauve-souris" programme	Europe	Beauval Zoo
Chester Zoo small mustelid research project	Europe	Chester Zoo (North of England Zoological Society)
Mitigation of human-beaver conflict	Europe	Brno Zoo
Beaver conservation	Europe	Royal Zoological Society of Scotland (Edinburgh Zoo, Highland Wildlife Park)
Micromys28	Europe	Besançon Zoo
Repopulation of red squirrel ( <i>Sciurus vulgaris</i> ) in Zrinski's Park in Čakovec	Europe	Zagreb Zoo
Establishment of new breeding sites for European souslik	Europe	Opel-Zoo, Brno Zoo, Nordens Ark
Zoogdierverseniging - Conservation of the garden dormouse in the Netherlands	Europe	GaiaZOO, Artis Zoo
Hazel dormouse North Wales	Europe	Welsh Mountain Zoo
<i>Dinaromys bogdanovi</i> - physiology, ethology and genetics research	Europe	Zagreb Zoo
Life+ Desman	Europe	African Safari Plaisance-Touche
Hedgehog hospital	Europe	Paradise Wildlife Park
Hedgehog rescue	Europe	Hoyerswerda Zoo
Ancient Woodland Flora and Fauna	Europe	Marwell Wildlife
Wildlands Consultants - Taxonomic resolution of the Kupe skink and Lakes skink	Oceania	Auckland Zoo
Instituto de Conservação de Animais Silvestres - Understanding impacts of roads on giant anteater populations in Brazil	South America	Chester Zoo (North of England Zoological Society), Beauval Zoo
Anteaters and Highways Project	South America	Wilhelma Zoo



Institute for the Conservation of Wild Animals (ICAS) - Giant Armadillo Conservation programme	South America	Parc Animalier d'Auvergne, Wilhelma Zoo, CERZA, Augsburg Zoo, Beauval Zoo, Royal Zoological Society of Scotland (Edinburgh Zoo, Highland Wildlife Park)
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### CANIDS AND HYAENIDS

Foundation Painted Dog Conservation - General support	Africa	Borås Zoo, GaiaZOO
Himalayan wolf ecology and genetics	Asia	Royal Zoological Society of Scotland (Edinburgh Zoo, Highland Wildlife Park)
Arctic fox project in Slottsskogen	Europe	Slottsskogen Zoo
Stockholm University - Swedish arctic fox project	Europe	Skansen Zoo, Järvzoo
Support to Wolf Watch UK	Europe	Paradise Wildlife Park
Slovak Wildlife Society (SWS) - Carpathian Wolf Watch	Europe	Paradise Wildlife Park
Collectif Renard Grand Est - Conservation of the red fox in Eastern France	Europe	Parc Animalier de Sainte-Croix

### BEARS

Gadoli and Manda Khai Wildlife Conservation Trust - The Himalayan black bear ecological research and conservation	Asia	Zoological Society for the Conservation of Species and Populations - ZGAP
Free the Bears Foundation	Asia	Parc Animalier d'Auvergne
Giant Panda Conservation - Chengdu Research Base of giant panda breeding	Asia	Beauval Zoo, Berlin Zoo   Berlin Tierpark,
China Wildlife Conservation Association (CWCA) - Giant panda conservation	Asia	Vienna Zoo, Ouwehands Zoo
Research project of the behavior and reproduction of giant panda	Asia	Madrid Zoo Aquarium
EAZA Bear TAG Conservation Education programme - social media	Europe	Sóstó Zoo
Happy Bear's Day	Europe	Sóstó Zoo
Ap'OURS	Europe	Parc Animalier de Sainte-Croix
FERUS - Pyrenean brown bear conservation programme	Europe	Zoo Boissière du Doré
Biodiversity and climate change in the Pyrenees	Europe	Parc Animalier de Sainte-Croix
University of Gent - Metabolomics in the giant panda: unravelling the reproductive biology	Multiple regions or not region specific	Pairi Daiza
Polar Bears International (PBI) - Svalbard Den Monitoring	Multiple regions or not region specific	Berlin Zoo   Berlin Tierpark, Ouwehands Zoo
World Nature Fund (WNF) - Polar bear tracking	Multiple regions or not region specific	Rotterdam Zoo
IUCN SSC Bear Specialist Group - Education programme	Multiple regions or not region specific	Sóstó Zoo
Polar Bears International (PBI) - Arctic Ambassador Center	North America	Vienna Zoo, Orsa Zoo, Vienna Zoo, Pairi Daiza
Polar Bears International (PBI) - Bear Tracker programme	North America	Hannover Zoo
Conservation through coexistence: Andean bears and people in Bolivia	South America	Chester Zoo (North of England Zoological Society)
Fundación Jocotoco - Expansion Reserve Tapichalaca, Andean Bear project	South America	Wilhelma Zoo
WWF Germany - Team Andenbär	South America	Zoo Dortmund

### SMALL CARNIVORES

ABCConservation - Binturong conservation in Palawan	Asia	Pistoia Zoo, Ménagerie du Jardin des Plantes, CERZA, Zoo Boissière du Doré, La Barben Zoo, Parc Animalier d'Auvergne
International Otter Survival Fund	Asia	Amersfoort Zoo
Save Vietnam's wildlife - carnivore and pangolin conservation	Asia	Newquay Zoo (Wild Planet Trust)

Red Panda Conservation - Red Panda Network	Asia	Parc Merveilleux, La Barben Zoo, Parc Animalier de Sainte-Croix, Kolmården Zoo, Halle Zoo, GaiaZOO, Artis Zoo, Ménagerie du Jardin des Plantes, Rotterdam Zoo, Pistoia Zoo, Antwerp Zoo / Planckendael Zoo, Berlin Zoo   Berlin Tierpark, Zoo Boissière du Doré, Ouwehands Zoo, Amiens Zoo, Mulhouse Zoo, Wuppertal Zoo, Parco Natura Viva, Bioparc Doué la Fontaine, Paradise Wildlife Park, Magdeburg Zoo, Beauval Zoo, Leipzig Zoo, Dresden Zoo, Rotterdam Zoo, Helsinki Zoo, Amersfoort Zoo, Curragh's Wildlife Park, Parc Animalier d'Auvergne, Fota Wildlife Park (The Zoological Society of Ireland), Nordens Ark
Red Panda Network - Forest Guardians Programme	Asia	Faunia, Borås Zoo, Eskilstuna Zoo, Chester Zoo (North of England Zoological Society), Opel-Zoo, Welsh Mountain Zoo, Givskud Zoo, Dublin Zoo (The Zoological Society of Ireland), Punta Verde Zoo
WWF Germany - Red Panda Project	Asia	African Safari Plaisance-Touche
Blaireau et Sauvage - Badger conservation in France	Europe	Parc Animalier de Sainte-Croix
Harlow Badger Trust	Europe	Paradise Wildlife Park
Euro Nerz e.V. - Reintroduction of the European mink in Germany	Europe	Opel-Zoo, Heidelberg Zoo
Foundation Lutreola - Conservation of European mink in Estonia	Europe	Riga Zoo, GaiaZoo
Irish Wildlife Trust - Cork otter survey	Europe	Fota Wildlife Park (The Zoological Society of Ireland)
Hedgehog sanctuary, Walter Zoo	Europe	Walter Zoo
CPEPESC Lorriane - Bat conservation	Europe	Parc Animalier de Sainte-Croix
Conservation of the Eurasian otter ( <i>Lutra lutra</i> ) in Israel	Middle East	Jerusalem Zoo
<b>FELIDS</b>		
Cheetah Conservation Fund (CCF) - unrestricted support	Africa	GaiaZOO, Parco Natura Viva, Paradise Wildlife Park, Montpellier Zoo, Serengeti-Park Hodenhagen, Borås Zoo, Bioparc Doué la Fontaine, Safari de Peaugres
Big Life Foundation - Predator Compensation Fund (PCF)	Africa	Parc Animalier d'Auvergne, Basel Zoo
Panthera - Protection and Conservation of lions in the Niokolo Koba National Park, Senegal	Africa	Bellewaerde, Sigean African Reserve, Beauval Zoo
African Wildlife Foundation - Manyara Ranch Conservancy	Africa	Paradise Wildlife Park
Namibian Lion Trust (formerly Africat)	Africa	Blair Drummond Zoo
KAZA Project: Securing Wildlife Populations around Hwange National Park	Africa	Loro Parque
Genetic survey of the African lion in the Okavango Delta of Botswana	Africa	Royal Zoological Society of Scotland (Edinburgh Zoo, Highland Wildlife Park)
Cheetah Conservation Fund (CCF) - Somaliland	Africa	Fota Wildlife Park (The Zoological Society of Ireland)
The Urban Fishing Cat Project	Asia	Curragh's Wildlife Park
Monitoring of Javan leopard	Asia	Bioparc Doué la Fontaine
Far Eastern Leopard conservation	Asia	Nordens Ark
Wilderness & Wildlife Conservation Trust - Leopard project	Asia	CERZA
Wildlife Conservation Society (WCS) - Monitoring the recovery of the of the Amur leopard	Asia	Stiftung Artenschutz
The Wilderness and Wildlife Conservation Trust	Asia	La Barben Zoo
Mitigating human-big cat conflicts in Terai through community participation	Asia	Chester Zoo (North of England Zoological Society)
PICA2- Continuing to enhance the global conservation efforts on Pallas's cats	Asia	Royal Zoological Society of Scotland (Edinburgh Zoo, Highland Wildlife Park)
Transboundary Snow Leopard Conservation	Asia	Marwell Wildlife
Snow leopard conservation	Asia	Wilhelma Zoo

Snow Leopard Trust (SLT)	Asia	Parco Natura Viva, Wuppertal Zoo, Safari de Peaugres, Zoo Boissière du Doré, Welsh Mountain Zoo, Orsa Zoo, Paradise Wildlife Park, Helsinki Zoo, Berlin Zoo   Berlin Tierpark, Dresden Zoo, Bioparc Doué la Fontaine, Basel Zoo, Kolmården Zoo, Nordens Ark
International Snow Leopard Trust - unrestricted support	Asia	Ménagerie du Jardin des Plantes, Dublin Zoo (The Zoological Society of Ireland), Parc Animalier d'Auvergne
The Corbett Foundation - Tiger	Asia	Blair Drummond Zoo
Sumatran Tiger Trust (PKHS)	Asia	Bioparc Doué la Fontaine
WildCats Conservation Alliance - Restricted support for wild Amur tiger & leopard conservation	Asia	Orsa Zoo, Besançon Zoo, Mulhouse Zoo, Parc Animalier d'Auvergne, Bellewaerde, Walter Zoo, Kolmården Zoo, Helsinki Zoo
WildCats Conservation Alliance - Restricted support for wild Sumatran tiger conservation	Asia	NaturZoo Rheine, Amiens Zoo, Parco Natura Viva, La Barben Zoo, Welsh Mountain Zoo, Paradise Wildlife Park, Punta Verde Zoo, Wilhelma Zoo, Fota Wildlife Park (The Zoological Society of Ireland)
Wildlife Vets International (WVI) - Wild Tiger Health Centre Website	Asia	Paradise Wildlife Park
WWF Sweden - The Northern Tiger Project	Asia	Nordens Ark
Confiscated big cats programme	Europe	Riga Zoo
Paroles de Lynx	Europe	Besançon Zoo
Release of European wild cats in Hessen and Bavaria, Germany	Europe	Opel-Zoo
Saving Wildcats (#SWA for Life)	Europe	Nordens Ark, Royal Zoological Society of Scotland (Edinburgh Zoo, Highland Wildlife Park)
Wildcat genetics	Europe	Royal Zoological Society of Scotland (Edinburgh Zoo, Highland Wildlife Park)
Research on the European wild cat	Europe	Serengeti-Park Hodenhagen
Wilderness in Germany Initiative	Europe	Frankfurt Zoo
Panthera - unrestricted support	Multiple regions or not region specific	Zoo Boissière du Doré, CERZA, Ménagerie du Jardin des Plantes
Pallas's cat International Conservation Alliance (PICA)	Multiple regions or not region specific	Helsinki Zoo, Berlin Zoo   Berlin Tierpark, Nordens Ark
Rewilding Ibéra and reintroducing the jaguar	South America	Artis Zoo
Pró Carnívoros - Jaguars of Iguazu	South America	Beauval Zoo
<b>MARINE MAMMALS</b>		
African Aquatic Conservation Fund - Comprehensive surveys of the Critically Endangered Atlantic humpback dolphin	Africa	Loro Parque
Whale bay: monitoring and conservation of North Atlantic humpback whale	Africa	Loro Parque
CBD Habitat Foundation - Mediterranean monk seal conservation	Africa	Faunia, Selwo Marina, Madrid Zoo Aquarium
SEMARNAT / VAQUITA CPR - Vaquita Conservation	Central America	Nuremberg Zoo
Wildtracks - Manatee rehabilitation Belize	Central America	Royal Burgers' Zoo
Rescue and health assessment in bottlenose dolphins ( <i>Tursiops truncatus</i> )	Europe	Oceanogràfic Valencia
Rescue, rehabilitation, tagging and release of grey and common seals	Europe	Welsh Mountain Zoo
Environmental pollution study on orphaned seal puppies	Europe	Riga Zoo
Hunting behavior and energetics in the killer whales (Gibraltar)	Europe	Loro Parque
MOM - Mediterranean Monk Seals	Europe	Blair Drummond Zoo
The Finnish Association for Nature Conservation (FANC) - Saimaa ringed seal	Europe	Helsinki Zoo
Detection and quantification of viruses that affect marine mammals	Europe	Oceanogràfic Valencia

Universidad de Las Palmas de Gran Canaria - Can Bio - MacPAM	Europe	Loro Parque
IUSA postgraduate grants to train experts in marine mammal welfare	Multiple regions or not region specific	Loro Parque
Yaqu Pacha – unrestricted support	Multiple regions or not region specific	Heidelberg Zoo
University of Rio Grande - Proyecto Botos - Conservation of a bottlenosed dolphin population in Brazil	South America	Nuremberg Zoo
Yaqu Pacha - Proyecto Tursiops - Uruguay	South America	Nuremberg Zoo
Franciscana dolphin rehabilitation	South America	Nuremberg Zoo
Proyecto Sotalia - Brazil and Venezuela	South America	Nuremberg Zoo
<b>ELEPHANTS</b>		
Big Life Foundation - African Elephants	Africa	Wuppertal Zoo, Beauval Zoo, Ouwehands Zoo, Dresden Zoo, Basel Zoo
Save Elephants	Africa	Liberec Zoo
Wild Is Life - ZEN Project	Africa	Paradise Wildlife Park
Biodiversity and Elephant Conservation Trust (BECT) - School Awareness Programme	Asia	Hannover Zoo
Creating human-elephant coexistence in Assam	Asia	Chester Zoo (North of England Zoological Society)
Lao elephant conservation center	Asia	La Barben Zoo
Thai Elephant Alliance	Asia	Loro Parque
WWF Germany - KuiBuri NationalPark	Asia	Heidelberg Zoo
Elephant Transit Home Sri Lanka	Asia	Heidelberg Zoo
Kaeng Krachan NP Thailand, Asiatic Elephant	Asia	Zürich Zoo
EAZA Elephant TAG Fund	Multiple regions or not region specific	Ouwehands Zoo
<b>EQUIDS</b>		
Grevy's Zebra Trust	Africa	Bioparc Doué la Fontaine
Grevy's Zebra Conservation in Kenya	Africa	Marwell Wildlife, Amersfoort Zoo, Montpellier Zoo, Frankfurt Zoo, Antwerp Zoo / Planckendael Zoo, Mulhouse Zoo
Grevy's zebra survey in Ethiopia	Africa	Wilhelma Zoo
Northern Kenya Grevy's zebra Project (NKGZP)	Africa	Marwell Wildlife, Kolmården Zoo
Hartmann Mountain Zebra Project	Africa	GaiaZOO
Great Gobi B Strictly Protected Area - Nutrition for Przewalski's horses in Mongolia	Asia	Prague Zoo
Norwegian Institute for Nature Research (NINA) - Kulanstep	Asia	Parc Animalier d'Auvergne
Return of the Wild Horses	Asia	Prague Zoo
Support of a scientific study on ticks and tick-borne diseases in Mongolia	Asia	Prague Zoo
<b>RHINOCEROS</b>		
Big Life Foundation - Protection and monitoring of black rhinoceros in Chyulu Hills National Park, Kenya	Africa	Chester Zoo (North of England Zoological Society)
Project Ngulia	Africa	Kolmården Zoo
Lewa Wildlife Conservancy - Black rhinoceros ( <i>Diceros bicornis michaeli</i> ) conservation	Africa	Zürich Zoo
Rhino monitoring in Pilanesberg National Park	Africa	Copenhagen Zoo
Poaching Prevention Academy - Rhino anti-poaching in Africa	Africa	Beauval Zoo
Save the Rhino - Lowveld Rhino Trust	Africa	Dublin Zoo (The Zoological Society of Ireland)

Save the Rhino - Ol Jogi	Africa	Hannover Zoo
OSCAP - Rhino Conservation	Africa	Blair Drummond Zoo
ZIWA Rhino Sanctuary	Africa	Augsburg Zoo
Save the Rhino - Stopping illegal markets	Asia	La Barben Zoo
Rhino Monitoring Unit (RMU) Javan Rhino	Asia	Rotterdam Zoo
International Rhino Foundation (IRF) - Indian Rhino Vision 2020 (IRV 2020)	Asia	CERZA
International Rhino Foundation (IRF) - Sumatran Rhino Survival Alliance	Asia	Basel Zoo
Save the Rhino International - unrestricted support	Multiple regions or not region specific	Parco Natura Viva, Zoo Boissière du Doré, Madrid Zoo Aquarium, Montpellier Zoo, Rotterdam Zoo, Bioparc Doué la Fontaine
<b>TAPIRS AND SUIFORMES</b>		
Big Game Parks - Hippo and Nile crocodile human wildlife conflict mitigation	Africa	Wuppertal Zoo
IBREAM Pygmy Hippo Project	Africa	Eskilstuna Zoo
Conservation of the babirusa in the Nantu Forest, Sulawesi, Indonesia	Asia	Wuppertal Zoo
Javan Species Recovery Programme (JaSpeR)	Asia	Chester Zoo (North of England Zoological Society)
Malayan Tapir Conservation Project	Asia	CERZA
Lembaga Javan wildlife institute - Developing a monitoring programme for the endangered Togeian <i>Babyrousa</i>	Asia	Zoological Society for the Conservation of Species and Populations - ZGAP
Pygmy Hog Conservation Programme	Asia	Beauval Zoo
Visayan Warty Pig Conservation Programme (PBCFI) - ZGAP	Asia	Antwerp Zoo / Planckendael Zoo, Besançon Zoo, Leipzig Zoo, Wilhelma Zoo
El Centro Chaqueño para la Conservación e Investigación (CCCI) - Chacoan peccary conservation	South America	Mulhouse Zoo, Berlin Zoo   Berlin Tierpark, Leipzig Zoo, Prague Zoo
Lowland Tapir Conservation Initiative (LTCI)	South America	Currags Wildlife Park, Vienna Zoo, Parco Natura Viva, Paradise Wildlife Park, Vienna Zoo, CERZA, Parc Animalier d'Auvergne, Chester Zoo (North of England Zoological Society), Beauval Zoo, Givskud Zoo, Kolmården Zoo
<b>CATTLE AND CAMELIDS</b>		
Investigating the conservation status of bongo in two Ugandan landscapes	Africa	Chester Zoo (North of England Zoological Society)
IUCN SSC Asian Wild Cattle Specialist Group	Asia	Leipzig Zoo, Chester Zoo (North of England Zoological Society)
Wild Camel Protection Foundation	Asia	Helsinki Zoo, GaiaZOO
WWF Germany - Reintroduction of European Bison to Shahdag National Park (Azerbaijan)	Asia	Berlin Zoo   Berlin Tierpark, Kolmården Zoo,
IUCN SSC Saola Working Group	Asia	Wilhelma Zoo, Prague Zoo
The Saola Foundation	Asia	Opel-Zoo, Prague Zoo, Beauval Zoo, Givskud Zoo
D'aboville Foundation - Mangya, Tamaraw Driven Landscape programme	Asia	Berlin Zoo   Berlin Tierpark
Mindoro Biodiversity Conservation Foundation, Inc. (MBCFI) - Dietary analysis of Critically Endangered tamaraw in Mindoro Island, Philippines	Asia	Chester Zoo (North of England Zoological Society)
WWF Romania - Rewilding European bison in Romania	Europe	Neumünster Zoo
Reintroduction of European bison ( <i>Bison bonasus</i> )	Europe	Skansen Zoo
<b>DEER</b>		
Philippines Biodiversity Conservation Foundation Programme (PBCFI) - Alfred's spotted deer conservation	Asia	Mulhouse Zoo

Indonesian Institute of Sciences (LIPI) - Rescue facility for endangered Bawean deer in Indonesia	Asia	Zoological Society for the Conservation of Species and Populations - ZGAP
Global Wildlife Conservation - Rediscovery of Vietnam mouse deer	Asia	Wroclaw Zoo
Philippine Spotted Deer Conservation Programme (PSDCP)	Asia	Landau Zoo
Reintroduction of the Forest reindeer	Europe	Lycksele Zoo, Järvzoo
WildForestReindeerLIFE	Europe	Helsinki Zoo
Reintroduction of the Mesopotamian fallow deer to the Jerusalem Mountains	Middle East	Jerusalem Zoo

#### ANTELOPES AND GIRAFFIDS

Genomics for long term Addax meta-population management in Tunisia and globally	Africa	Royal Zoological Society of Scotland (Edinburgh Zoo, Highland Wildlife Park)
North African Project for scimitar-horned oryx & other antelopes	Africa	Marwell Wildlife
Gueumbeul Special Wildlife Reserve	Africa	Bioparc Doué la Fontaine
Bongo Surveillance Programme	Africa	Dublin Zoo (The Zoological Society of Ireland)
Identification of calves of Western Derby eland to keep the studbook up to date	Africa	Derbianus Conservation
Western Derby eland ( <i>Taurotragus derbianus derbianus</i> ) conservation	Africa	Košice Zoo
Giraffe Conservation Project, Niger (ASGN)	Africa	Ménagerie du Jardin des Plantes, La Barben Zoo, Bioparc Doué la Fontaine
Giraffe Conservation Foundation (GCF)	Africa	Parco Natura Viva, Zoo Boissière du Doré, Blair Drummond Zoo, Dresden Zoo, Wilhelma Zoo, Beauval Zoo, Fota Wildlife Park (The Zoological Society of Ireland), Bellewaerde
Kordofan giraffe conservation project	Africa	Bristol, Clifton & West of England Zoological Society (Bristol Zoo and Wild Place)
Ecology and conservation of the endangered Rothschild's giraffe	Africa	Parc Animalier d'Auvergne, Chester Zoo (North of England Zoological Society)
Glenmorangie Giraffe Conservation in East Africa Partnership	Africa	Royal Zoological Society of Scotland (Edinburgh Zoo, Highland Wildlife Park)
Wildlife Nature Institute - Research and Conservation of Masai Giraffe	Africa	Berlin Zoo   Berlin Tierpark
Oсотua Foundation	Africa	Amersfoort Zoo
Epulu Conservation and Research Center - Okapi conservation	Africa	Mulhouse Zoo, Antwerp Zoo / Planckendael Zoo, Berlin Zoo   Berlin Tierpark, Chester Zoo (North of England Zoological Society), Bioparc Doué la Fontaine, Beauval Zoo, Wuppertal Zoo, Leipzig Zoo, Basel Zoo,
National Park Authority (ICN) of the Democratic Republic of Congo - Okapi Conservation programme (OCP)	Africa	Dublin Zoo (The Zoological Society of Ireland), Rotterdam Zoo
Conservation of scimitar-horned oryx & their arid steppe habitat in Tunisia	Africa	Dublin Zoo (The Zoological Society of Ireland)
MOYO - Protection of the Rothschild giraffe	Africa	Bioparc Doué la Fontaine
Plains to Peaks - Goitered Gazelle Conservation	Asia	Marwell Wildlife
The research of epizootic situations, parasitic diseases in the Russian saiga	Asia	Moscow Zoo
Source population of the locally CR Arabian oryx	Middle East	Jerusalem Zoo
The Genomics of Arid Land Species	Multiple regions or not region specific	Royal Zoological Society of Scotland (Edinburgh Zoo, Highland Wildlife Park)

#### CAPRINAE

Mountain Ungulates in Tajikistan	Asia	Dresden Zoo
Monitor Conservation Research Society - Tacking the illegal trade of Sumatran serow in Indonesia	Asia	Zoological Society for the Conservation of Species and Populations - ZGAP
Myskoxe 2030	Europe	Järvzoo, Lycksele Zoo

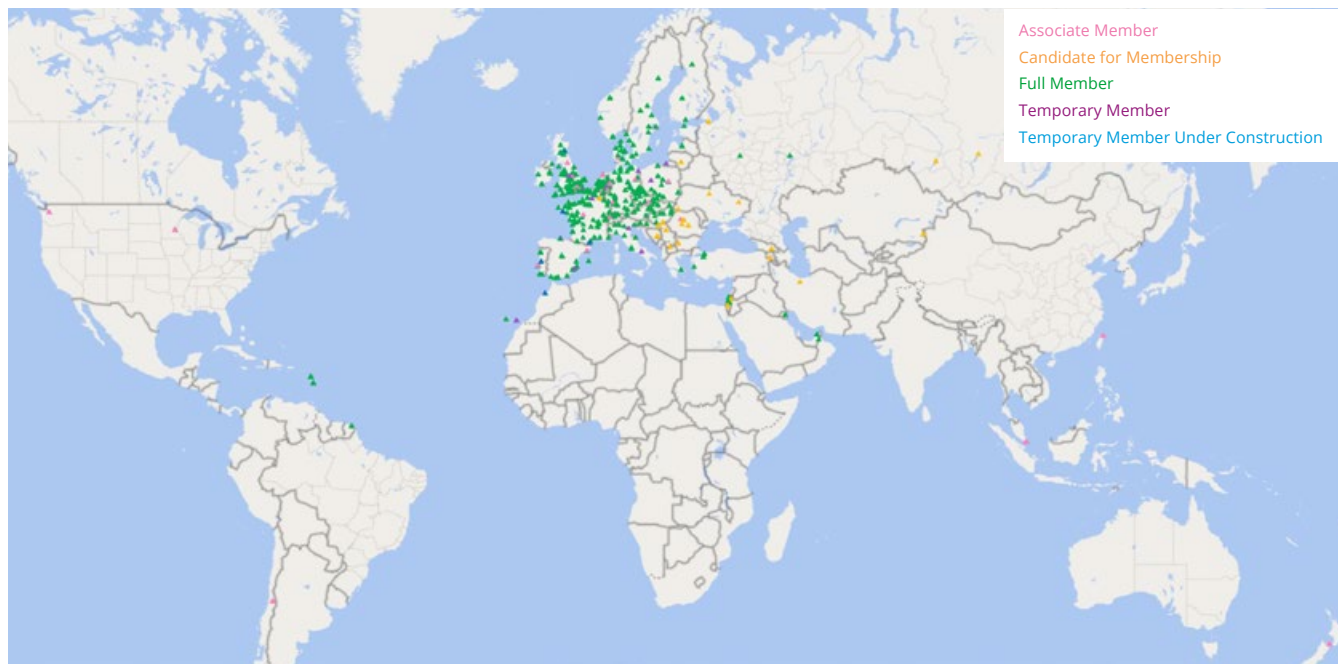
Conservation of the locally endangered „Leineschaf“	Europe	Serengeti-Park Hodenhagen
Ethological study of Mishmi takin ( <i>Budorcas taxicolor taxicolor</i> )	Europe	Riga Zoo, Košice Zoo
Rewilding Europe - Return of the Apennine chamois	Europe	Parc Animalier d'Auvergne
<b>SUPPORT IDENTIFIED TO FOCUS ON MULTIPLE TAXONOMIC GROUPS</b>		
Ruaha Carnivore Project - Resolving conflict between humans and threatened carnivores around Ruaha National Park, Tanzania	Africa	Rotterdam Zoo
Sahara Conservation Fund (SCF)	Africa	Zoo Boissière du Doré, Montpellier Zoo, Hannover Zoo
Uganda Wildlife Education Centre Trust	Africa	Paradise Wildlife Park
Kilimangiaro Animal C.R.E.W - Wildlife Rescues	Africa	Pistoia Zoo
Giant Eland Conservation at Niokolo Koba National Park in Senegal	Africa	Beauval Zoo
“Art against poaching” - “Kunst gegen Wilderei”	Africa	Wuppertal Zoo
Omo Forest Project in Nigeria	Africa	Paignton Zoo (Wild Planet Trust)
Ecological Balance - Community led conservation of the Bakingili Community Forest	Africa	Stiftung Artenschutz
Mukutan Conservancy	Africa	Paradise Wildlife Park
Hoopers Africa Trust	Africa	Paradise Wildlife Park
Madagasikara Voakajy - Sustainable management of Mangabe-Ranomena-Sahasarotra Protected Area	Africa	Chester Zoo (North of England Zoological Society), Welsh Mountain Zoo, Rotterdam Zoo
Refuge DECAN - Protected areas in Djibouti	Africa	Beauval Zoo
Chances for Nature - Madagascar	Africa	Marlow Birdpark, Augsburg Zoo, Berlin Zoo   Berlin Tierpark
Serengeti Conservation Project	Africa	Frankfurt Zoo
Dambari Wildlife Trust	Africa	Paignton Zoo (Wild Planet Trust)
Maasailand Preservation Trust - Maasai Olympics	Africa	Chester Zoo (North of England Zoological Society)
Black-Footed Cat Working Group	Africa	Wuppertal Zoo
General support for PASA - Pan African Sanctuary Alliance	Africa	Heidelberg Zoo, Artis Zoo, Kolmården Zoo,
Budongo Conservation Field Station (BCFS)	Africa	Augsburg Zoo, Royal Zoological Society of Scotland (Edinburgh Zoo, Highland Wildlife Park)
Pandrillus - “Rettet den Drill”	Africa	Wuppertal Zoo
Bijagos, Nature and Culture	Africa	Beauval Zoo
Northern Madagascar	Africa	Bristol, Clifton & West of England Zoological Society (Bristol Zoo and Wild Place)
Limbe Wildlife Centre - general support	Africa	Zoo Boissière du Doré, Givskud Zoo
J.A.C.K.- Jeunes Animaux Confinés au Katanga	Africa	GaiaZOO, Zoo de la Palmyre, Sigean African Reserve
Talarak Foundation - Philippine biodiversity protection	Asia	Berlin Zoo   Berlin Tierpark, Chester Zoo (North of England Zoological Society), Heidelberg Zoo, Liberec Zoo
Palm oil plantations biodiversity evaluation	Asia	Beauval Zoo
Cambodian Conservation Genetics Project	Asia	Royal Zoological Society of Scotland (Edinburgh Zoo, Highland Wildlife Park)
Genetic analysis of threatened Indonesian deer and pig species	Asia	Chester Zoo (North of England Zoological Society)
Pro Natura - Sungai Wain Protection Forest	Asia	Ouwehands Zoo
Association Regards d'Ailleurs - Tangkoko Conservation Education Programme	Asia	Amiens Zoo
Endangered Primate Rescue Center (EPRC)	Asia	Leipzig Zoo
Ecosystem Impact Foundation - Treasure Island: Saving the hidden avian treasures of Bangkaru	Asia	Liberec Zoo, Marlow Birdpark
Ecosystems Impact Foundation - Simeulue Conservation Bird Breeding & Environmental Awareness Programme	Asia	Marlow Birdpark

Pesisir Balikpapan	Asia	Liberec Zoo
Panay and Negros Island, Philippines Project	Asia	Bristol, Clifton & West of England Zoological Society (Bristol Zoo and Wild Place)
Orangutan Project Bukit Tigapuluh/Sumatra	Asia	Frankfurt Zoo, Dresden Zoo
Green-books.org	Asia	Liberec Zoo
Project Palaka	Asia	Stiftung Artenschutz
Wildlife Alliance	Asia	Paradise Wildlife Park
Borneo Nature Foundation (BNF)	Asia	Parc Animalier d'Auvergne, Amersfoort Zoo
Corozal Sustainable Future Initiative	Central America	Parc Animalier d'Auvergne
Ligue pour la Protection des Oiseaux (LPO) - CARELI	Europe	Besançon Zoo
Use keratin/mineral matrices for evaluation of cortisol levels	Europe	Oceanogràfic Valencia
Marine fauna rescue and rehabilitation centre	Europe	Oceanogràfic Valencia
Project ijsvogel - Project Kingfisher	Europe	Avifauna Birdpark
CEN Franche-Comté - Assistance in maintaining a dry lawn in Franche-Comté, France	Europe	Besançon Zoo
Fish Net - Greece	Europe	Bristol, Clifton & West of England Zoological Society (Bristol Zoo and Wild Place)
Wild Place Native Species Strategy	Europe	Bristol, Clifton & West of England Zoological Society (Bristol Zoo and Wild Place)
Conservation of Spanish species	Europe	Madrid Zoo Aquarium
Local species propagation - Head starting	Europe	Oceanogràfic Valencia
Gough Island rodent eradication	Europe	Royal Zoological Society of Scotland (Edinburgh Zoo, Highland Wildlife Park)
Rescue center of native wildlife	Europe	Riga Zoo
Breeding Bird Populations Monitoring Project (BMP)	Europe	Avifauna Birdpark
BirdWatch Ireland	Europe	Dublin Zoo (The Zoological Society of Ireland)
Promoting pollinators in Gothenburg	Europe	Slottsskogen Zoo
GORNA - Centre de Sauvegarde de la Faune Sauvage - Rescue and rehabilitation of Alsatian native fauna	Europe	Parc Animalier de Sainte-Croix
Gothenburg Global Biodiversity Centre	Europe	Slottsskogen Zoo
Rehabilitation of injured wildlife	Europe	Helsinki Zoo
Zoologické záhrady bez hraníc	Europe	Košice Zoo
Buoux Centre for protection of local wildlife (France)	Europe	La Barben Zoo
Ligue pour la Protection des Oiseaux (LPO) - Wildlife Rescue Center in Villeveyrac (France)	Europe	Sigean African Reserve
CanBio - Installation of buoys around the Canary Islands	Europe	Loro Parque
Manx Wildlife Trust – MOTUS receiver	Europe	Curraghs Wildlife Park
Define behavioural indicators of animal welfare relevant to aquatic animals	Europe	Oceanogràfic Valencia
Forensic medicine in marine fauna: Evaluation and monitoring of diseases	Europe	Oceanogràfic Valencia
Universidad de Las Palmas de Gran Canaria - CanBio - BioAcu	Europe	Loro Parque
Universidad de Las Palmas de Gran Canaria - CanBio - CanOA	Europe	Loro Parque
University of La Laguna - CanBio - BuoyPAM	Europe	Loro Parque
University of La Laguna - CanBio - Cold coastal refuges	Europe	Loro Parque
Wild bird rescue and rehabilitation center, St. Gallen	Europe	Walter Zoo
Safe flight (Bird collision)	Europe	Zagreb Zoo



Centre de Soins l'Hirondelle	Europe	Safari de Peaugres
Wildlife care center project - Faunalis	Europe	Zoo Boissière du Doré
Wildlife Center Panse-Bêtes	Europe	Parc Animalier d'Auvergne
Awely Wildlife and People	Multiple regions or not region specific	Zoo de la Palmyre
Academy for the Protection of Zoo Animals and Wildlife E.V - Practice, Teaching & Research	Multiple regions or not region specific	Pistoia Zoo
Wildlife Vets International (WVI)	Multiple regions or not region specific	Paradise Wildlife Park
French Association of Zoos - AFdPZ Conservation Fund	Multiple regions or not region specific	Bioparc Doué la Fontaine, Mulhouse Zoo, Safari de Peaugres, Zoo Boissière du Doré, Lyon Zoo, Sigean African Reserve, La Barben Zoo, Beauval Zoo, Zoo de la Palmyre
Understanding of animal movement	Multiple regions or not region specific	Fota Wildlife Park (The Zoological Society of Ireland)
EAZA Which Fish? campaign	Multiple regions or not region specific	Besaçon Zoo
Stiftung Artenschutz / Species Conservation Foundation	Multiple regions or not region specific	Halle Zoo, Marlow Birdpark, Eskilstuna Zoo, Wuppertal Zoo, Walter Zoo, Heidelberg Zoo, Opel-Zoo, Hannover Zoo, Wilhelma Zoo, Dresden Zoo, Basel Zoo, Leipzig Zoo
World Pheasant Association (WPA)	Multiple regions or not region specific	Lyon Zoo
Wild Welfare	Multiple regions or not region specific	Paradise Wildlife Park
Conservation via Verband der Zoologischen Gärten	Multiple regions or not region specific	Hoyerswerda Zoo
Zoologische Gesellschaft Frankfurt (ZGF) Conservation Projects	Multiple regions or not region specific	Hoyerswerda Zoo
Conservation of biological and cultural diversity of the Manú landscape	South America	Frankfurt Zoo

# 20 EAZA MEMBERS



## ARMENIA

Foundation for the Preservation of Wildlife and Cultural Assets (FPWC)

Yerevan Zoo

## AUSTRIA

Alpenzoo Innsbruck

Herberstein Zoo

Salzburg Zoo

Schmiding Zoo

Vienna Aquarium

Vienna Zoo

## BELGIUM

Antwerp Zoo

Bellewaerde

Cracid Breeding and Conservation Center

Han-sur-Lesse Zoo

Monde Sauvage

Pairi Daiza

Parc Animalier de Bouillon

Planckendael Zoo

Tournai Vivarium

## BOSNIA-HERZEGOVINA

Sarajevo Zoo

## BULGARIA

Sofia Zoo

## CHILE

Latin American Association of Zoological Parks and Aquariums (ALPZA)

## CROATIA

Osijek Zoo

Zagreb Zoo

## CZECHIA

Brno Zoo

Chomutov Zoopark

Děčín Zoo

Derbianus Conservation

Hluboká Zoo

Hodonín Zoo

Jihlava Zoo

Liberec Zoo

Olomouc Zoo

Ostrava Zoo

Plzeň Zoo

Prague Zoo

Union of Czech and Slovak Zoological Gardens (UCSZOO)

Ústí nad Labem Zoo

Zlín-Lešná Zoo

Zoo Dvůr Králové

## DENMARK

Aalborg Zoo

Copenhagen Zoo

Danish Association of Zoos and Aquaria (DAZA)

Den Blå Planet

Givskud Zoo

Hansenberg School

Jesperhus Jungle Zoo

Kattegatcentret

Knuthenborg Safaripark

Nordsøen Oceanarium

Odense Zoo

Randers Rainforest  
Ree Park Safari  
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Tallinn Zoo  
**FINLAND**  
Ähtäri Zoo  
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Ranua Wildlife Park  
**FRANCE**  
African Safari Plaisance-Touche  
Amiens Zoo  
Association of French Zoological Parks (AFdPZ)  
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Besançon Zoo  
Bioparc Doué la Fontaine  
Biotropica  
Calviac Zoo  
CERZA  
Champrépus Zoo  
Ecozonias  
Fort-Mardyck Zoo  
Jurques Zoo  
La Barben Zoo  
La Bourbansais Zoo  
La Vallée des Singes  
Le Parc de Clères  
Le Parc des Félines  
Les Terres de Nataé  
Lille Zoo  
Lyon Zoo  
Marineland Antibes  
Martinique Zoo  
Maubeuge Zoo  
Ménagerie du Jardin des Plantes  
Montpellier Zoo  
Mulhouse Zoo  
Natur'Zoo Mervent  
Nausicaa  
Océanopolis  
Parc Animalier d'Auvergne  
Parc Animalier de Branféré  
Parc Animalier de Sainte-Croix  
Parc Animalier des Pyrénées  
Parc des Mamelles Guadeloupe  
Parc des Oiseaux Villars-Dombes  
Parc d'Isle  
Paris Zoo  
Parrot World  
Réserve de la Haute-Touche  
Reynou Zoo  
Safari de Peaugres

Saint-Malo Aquarium  
Sigean African Reserve  
Thoiry Zoo  
Touroparc  
Trégomeur Zoo  
Zoo Bassin d'Arcachon  
Zoo Boissière du Doré  
Zoo de Guyane  
Zoo de La Flèche  
Zoo de la Palmyre  
Zoo des Sables d'Olonne  
Zoo Le PAL  
Zoo Saint-Martin-la-Plaine  
Zoodyssée  
**GEORGIA**  
Tbilisi Zoo  
**GERMANY**  
Aachen Zoo  
Aquazoo Düsseldorf  
Association of German-speaking Zoo Educators (VZP)  
Association of German-speaking Zoological Gardens (VdZ)  
Augsburg Zoo  
Berlin Tierpark  
Berlin Zoo  
Bochum Zoo  
Bremerhaven Zoo  
Chemnitz Zoo  
Cologne Zoo  
Darmstadt Vivarium  
Dresden Zoo  
Eberswalde Zoo  
Erfurt Zoo  
Frankfurt Zoo  
Görlitz Zoo  
Hagenbeck Zoo  
Halle Zoo  
Hannover Zoo  
Heidelberg Zoo  
Hoyerswerda Zoo  
Karlsruhe Zoo  
Krefeld Zoo  
Landau Zoo  
Leibniz Institute for Zoo and Wildlife Research (IZW)  
Leipzig Zoo  
Magdeburg Zoo  
Marlow Birdpark  
Munich Zoo  
Münster Zoo  
NaturZoo Rheine  
Neumünster Zoo  
Neunkirchen Zoo

Neuwied Zoo  
 Nordhorn Zoo  
 Nuremberg Zoo  
 Opel Zoo  
 Osnabrück Zoo  
 Rostock Zoo  
 Saarbrücken Zoo  
 Schwerin Zoo  
 Serengeti-Park Hodenhagen  
 Stiftung Artenschutz  
 Straubing Zoo  
 Ueckermünde Zoo  
 Walsrode Birdpark  
 Wilhelma Zoo  
 Wuppertal Zoo  
 Zoo Dortmund  
 Zoo Duisburg  
 Zoological Society for the Conservation of Species and Populations (ZGAP)  
 Zoom Erlebniswelt Gelsenkirchen

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 Debrecen Zoo  
 Győr Zoo  
 Jászberény Zoo  
 Pécs Zoo  
 Sóstó Zoo  
 Szeged Zoo  
 Veszprem Zoo

**IRAN**  
 Tehran Zoo

**IRELAND**  
 Dublin Zoo  
 Fota Wildlife Park  
 Galway Atlantaquaria  
 Tayto Park

**ISRAEL**  
 Gan-Garoo Australian Park  
 Hai Park  
 Haifa Educational Zoo and Biological Institute  
 Jerusalem Zoo  
 Negev Zoo  
 Zoological Center Ramat Gan

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 Bioparco Rome  
 Falconara Zoo  
 Genoa Aquarium  
 La Torbiera Zoo  
 Le Cornelle Zoo

Parco Natura Viva  
 Pistoia Zoo  
 Punta Verde Zoo  
 Union of Italian Zoos and Aquaria (UIZA)  
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 Zoo delle Maitine  
 Zoom Torino  
 Zoomarine Italy

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**KUWAIT**  
 The Scientific Centre

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 Riga Zoo

**LITHUANIA**  
 Kaunas Zoo

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 Apenheul  
 AquaZoo Friesland  
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 Avifauna Birdpark  
 Beekse Bergen  
 Dierenrijk  
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 GaiaZOO  
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 Rotterdam Zoo  
 Royal Burgers' Zoo  
 Van Hall Larenstein

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**NEW ZEALAND**  
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 Bergen Aquarium  
 Kristiansand Zoo

**PALESTINE**  
 Qalqilia Zoo

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 Chorzow Zoo  
 Gdańsk Zoo  
 Krakow Zoo

Łódź Zoo

Opole Zoo

Płock Zoo

Poznań Zoo

Toruń Zoo

Warsaw Zoo

Wrocław Zoo

Zamość Zoo

**PORTUGAL**

Association of Portuguese Zoos and Aquaria (APZA)

Bark-Biopark Barquinha

Lagos Zoo

Lisbon Zoo

Lourosa Bird Park

Oceanário de Lisboa

Santo Inácio Zoo

Vasco da Gama Aquarium

ZooMarine

**ROMANIA**

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Romanian Zoo and Aquaria Federation (RZAF)

Sibiu Zoo

Tîrgu-Mureş Zoo

**RUSSIA**

Kaliningrad Zoo

Kazan Zoo

Krasnoyarsk Zoo

Leningrad Zoo

Moscow Zoo

Novosibirsk Zoo

**SERBIA**

Belgrade Zoo

Palić Zoo

**SINGAPORE**

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Singapore Zoo

**SLOVAKIA**

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Bratislava Zoo

Košice Zoo

**SLOVENIA**

Ljubljana Zoo

**SPAIN**

Barcelona Zoo

Bioparc Fuengirola

Bioparc Valencia

Cabárceno Zoo

Experimental Station of Arid Zones (EEZA) - CSIC

Faunia

Iberian Association of Zoos and Aquaria (AIZA)

Jerez Zoo

Loro Parque

Madrid Zoo Aquarium

Marineland Mallorca

Oasis Wildlife Fuerteventura

Oceanogràfic Valencia

Río Safari Elche

Santillana Zoo

Selwo Aventura

Selwo Marina

Tabernas Oasys Park

Terra Natura Benidorm

Terra Natura Murcia

**SWEDEN**

Borås Zoo

Eskilstuna Zoo

Furuvikspark

Slottsskogen Zoo

Järvzoo

Kolmården Zoo

Lycksele Zoo

Nordens Ark

Ölands Zoo

Orsa Zoo

Skånes Zoo

Skansen Aquarium

Skansen Zoo

Swedish Association of Zoological Parks and Aquaria (SAZA)

Universeum

**SWITZERLAND**

AQUATIS Aquarium-Vivarium

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Bern Zoo

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Papiliorama

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Zoo de Servion

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Blair Drummond Zoo  
Bristol Zoo  
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Chester Zoo  
Colchester Zoo  
Cotswold Wildlife Park  
Curraghs Wildlife Park  
Drayton Manor Park  
Drusillas Park  
Dudley Zoo  
Edinburgh Zoo  
Exmoor Zoo  
Fife Zoo  
Flamingo Land  
Folly Farm  
Hawk Conservancy Trust  
Highland Wildlife Park  
Howletts Wild Animal Park  
Jersey Zoo  
Knowsley Safari Park  
Linton Zoo  
Living Coasts  
Longleat Safari Park  
Manor Wildlife Park  
Marwell Wildlife  
Monkey World  
Newquay Zoo  
Nottingham Trent University (NTU)  
Paignton Zoo  
Paradise Park  
Paradise Wildlife Park  
Peak Wildlife Park  
Port Lympne Wild Animal Park  
Shaldon Wildlife Trust  
Shepreth Wildlife Park  
The Big Cat Sanctuary  
The World Pheasant Association (WPA)  
Thrigby Hall Wildlife Gardens  
Twycross Zoo

Waddesdon Manor Aviary  
Welsh Mountain Zoo  
West Midland Safari Park  
Wild Acres  
Wild Place  
Wingham Wildlife Park  
Woburn Safari Park  
Woodside Wildlife Park  
Yorkshire Wildlife Park  
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ZSL Whipsnade Zoo  
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