



**21<sup>ST</sup> CENTURY TIGER**

giving wild tigers a future

# **21<sup>st</sup> Century Tiger**

## **Annual Report**

### **2004**

**21<sup>st</sup> Century Tiger is a unique wild tiger conservation partnership  
between the Zoological Society of London and Global Tiger Patrol.**

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## About 21st Century Tiger

21<sup>st</sup> Century Tiger was established in 1997 as a unique fundraising partnership between the Zoological Society of London and Global Tiger Patrol. The aim was to pool resources in order to raise money and to source and support tiger conservation projects in the wild. Since its inception, 21<sup>st</sup> Century Tiger has become one of the top six non-government organisations funding tiger conservation worldwide.



A panel of international tiger experts rigorously examines all projects submitted to 21st Century Tiger for funding. The projects must have sound practical scientific and/or conservation value and use local staff wherever possible. Reports from these projects are reviewed every six months to ensure that the funds are being used to the best possible advantage. 21<sup>st</sup> Century Tiger is proud of its record of funding new projects which keep up with ever-changing environmental situations.

### **Our Mission**

1. To raise funds, from government, the corporate sector and individuals, for projects which significantly contribute to the conservation of tigers in the wild.
2. To raise the profile of tigers through developing public awareness and educational programmes.
3. To work with the international conservation and scientific community.
4. To utilise the wide range of resources held by the partnership between Global Tiger Patrol and the Zoological Society of London.

## **Our Defining Features**

- 100% of donations go directly to wild tiger projects.
- Administration for the operation of 21st Century Tiger is funded separately, including through a percentage of sales income.
- 21<sup>st</sup> Century Tiger works closely with in-country counterparts in order to develop capacity within the country to sustain conservation work through the generations.
- All projects are reviewed by experts to ensure that they have sound practical conservation and/or scientific credibility, and are making a fundamental contribution to the conservation of wild tigers.

## **The Scope Of Our Work**

Since its inception, 21<sup>st</sup> Century Tiger has funded a total of 56 projects, distributing almost a million pounds and supporting projects in seven countries - India, Indonesia, China, Malaysia, Cambodia, Thailand and the Russian Far East. The projects cover a wide spectrum of requirements for tiger

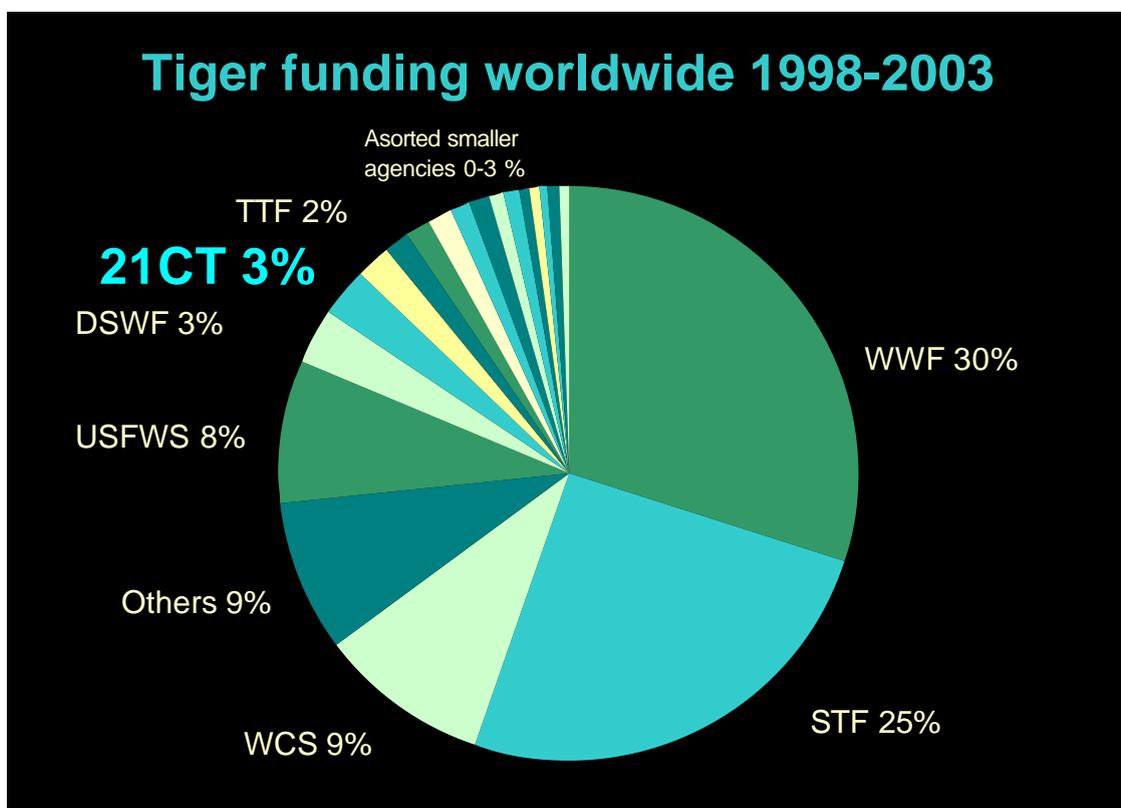


conservation, including training for wildlife rangers in the application of wildlife law, jungle survival and identification of endangered species, and support for anti-poaching units which deal directly with poachers, uncover networks of illegal trading, and even advise in cases of human-tiger conflict. In Russia and Indonesia we also fund scientific research, including studies of tiger home ranges and tiger prey densities. Comprehensive and thorough research provides a sound scientific basis for conservation planning and is an essential part of any conservation programme. Finally, 21<sup>st</sup> Century Tiger also funds education and awareness raising programmes within tiger range countries; vital for ensuring sustainable local support for wildlife conservation.

## Funding

### Sources for funding in 2004

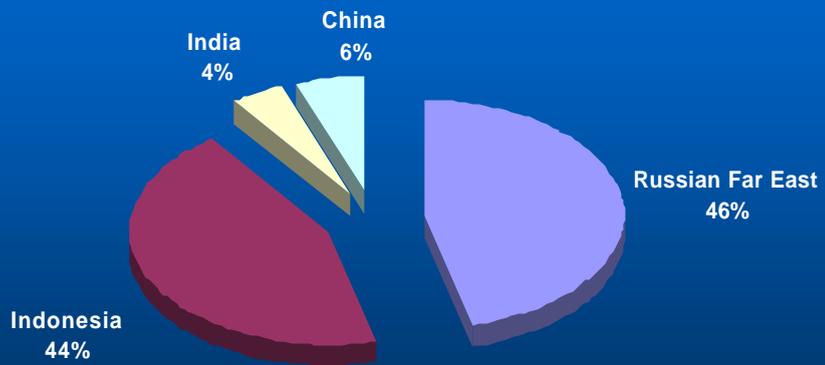
Funding Source	Amount Received
<b>Grants and Covenants</b>	
Grant from DEFRA	£46,000
Covenants to 21 <sup>st</sup> Century Tiger	£1,144
<b>Fundraising Activities</b>	
EAZA Tiger Campaign	£191,145
ExxonMobil: toy sales and staff donations	£3,348
Public donations	£1,865
Colchester Fundraising Day	£371
Sales of Meher Toorkey's CDs	£130
Meher Toorkey Concert	£356
<b>Total</b>	<b>£244,359</b>



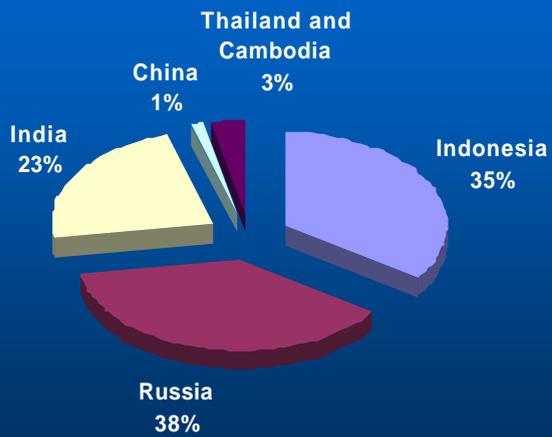
## Projects receiving funding from 21<sup>st</sup> Century Tiger in 2004

Project Title	Amount Donated	Grantee
Amur/Siberian Tiger Conservation in Verkhnebikinsky Wildlife Refuge (Russia)	£13,440	Phoenix
Mediating Conflicts Between Tigers and People (Russia)	£33,800	Wildlife Conservation Society (WCS), Russia
Winter Survey 2005 (Russia)	£27,500	Wildlife Conservation Society (WCS), Russia
Saving the Amur tiger for future generations (Russia)	£10,700	The Wildlife Foundation
Protection and Outreach (Russia)	£15,000	Phoenix
Amur tiger education & awareness (Russia)	£8,700	AMUR
Fire-fighting on the Sino-Russian Border	£4,000	Tigris Foundation
Amur tiger conservation in China	£10,675	Tigris Foundation
Community leadership for tiger conservation - Anshi-Dandeli (India)	£6,925	Sahyadri Wildlife and Forest Conservation Trust (SWIFT)
Community leadership for tiger conservation - Tadoba Andhari (India)	£13,540	Tiger Research and Conservation Trust (TRACT)
Kerinci Seblat Tiger Protection Project, Sumatra (Indonesia)	£28,961	Fauna and Flora International
Curbing Wildlife Crimes in Sumatra (Indonesia)	£24,270	Wildlife Conservation Society (WCS), Indonesia
Monitoring population trends in tiger and their species in Kerinci Seblat National Park (Indonesia)	£16,521	DICE (Durrell Institute of Conservation and Ecology) UNAS (National University of Indonesia)
Handling Human – Tiger Conflict to support Sumatran tiger conservation (Indonesia)	£2,500	Fauna and Flora International
Ranging Patterns in Sumatran Tigers (Indonesia)	£35,133	Zoological Society of London (ZSL)
<b>Total Donated</b>	<b>£251,665</b>	

### Countries in which projects were funded in 2004



### % 21st Century Tiger funds allocated to each country since 1997

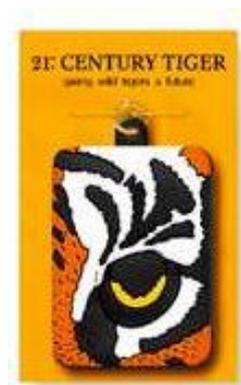


## Activities in 2004

### European and Australasian Zoo Association Conservation Campaigns

The European Association of Zoos and Aquaria (EAZA) runs annual conservation campaigns through which all EAZA members have an opportunity to support field conservation. The third of these began in 2002, focusing on tigers and channelling funds raised to field projects through 21<sup>st</sup> Century Tiger. The EAZA Tiger Campaign's aims included creating awareness of the threats to tigers and of the role of European zoos in tiger conservation, as well as raising funds for tiger conservation projects in tiger range states.

There was so much interest from supporting zoos in 2002/3 that it was decided to extend the campaign for a second year, until September 2004, with a new target of € 500,000. The certificate system was also continued and participating zoos could earn two sets of Bronze, Silver, Gold and Platinum awards.



At the beginning of the year a second Tiger Campaign CD was compiled and sent out to all participating zoos. New photographs, articles and video footage from the projects enabled zoos to update their displays and websites and, if desired, produce further articles for inclusion in their in-house publications and other promotional materials. 21<sup>st</sup> Century Tiger keyrings remained on sale in zoos in 2004, and proved so popular that they all sold out - an excellent fundraising tool. Many thanks to ExxonMobil plc for the original donation of over 100,000 keyrings.

Zoos belonging to the Australian Regional Association of Zoological Parks and Aquaria (ARAZPA) have also continued to raise funds and awareness through the ARAZPA Tiger Campaign. More than AU\$41,000 was raised by seven Australasian zoos for tiger conservation projects in 2004, amounting to an overall total of AU\$72,000. ARAZPA particularly focused on projects in Sumatra as their zoos only hold Sumatran tigers.

Other national associations also took part in promoting the campaign in their zoos, eg the Dutch zoo federation (SNOD) and the British zoo federation (BIAZA). Zoos belonging to the Euro-Asian Regional Association of Zoos and Aquariums (EARAZA) have also been

working to promote the campaign by raising awareness and funds for one of their own native species, the Amur tiger.

The campaign continued to support the nine projects from 2002/3, thanks to the extension through to 2004, with three of the nine projects receiving further funding in addition to the original amount pledged.

At the end of September 2004, the most successful EAZA Tiger Campaign to date was officially closed with a ceremony held at the EAZA Annual Conference in Kolmarden Zoo, Sweden. Sarah Christie gave a presentation on the progress made in the supported projects, followed by awards of certificate. Colchester Zoo received a commendation for raising more money than any other participating zoo – more than €60,000 – and a special prize was handed to Dominique Tropeano, Colchester Zoo's Director.



The Executive Director of EAZA, Koen Brouwer, announced that the preliminary total amount of funds collected in this EAZA campaign for *in situ* tiger conservation was the sum of €663, 853.61 . This fantastic total was more than €150,000 over target and 21<sup>st</sup> Century Tiger could therefore fund all currently approved grants and more.

21st Century Tiger is delighted to report that many zoos are continuing their support after the official closure of the EAZA Tiger Campaign. We are therefore continuing to provide participating zoos with pictures, reports and other useful information from the field projects via our website at [www.21stCenturyTiger.org](http://www.21stCenturyTiger.org).

## 21<sup>st</sup> Century Tiger stickers

21<sup>st</sup> Century Tiger stickers were produced in Moscow and sent to several zoos to sell to raise money for the tiger campaign. We would like to thank Sharon Miller and Tanya Arzhanova for organising the manufacturing and transport of the stickers from Russia to England.

## 21<sup>st</sup> Century Tiger's fundraising day at Colchester Zoo



© 21<sup>st</sup> Century Tiger

A crew of volunteers from 21<sup>st</sup> Century Tiger once again assisted Colchester Zoo with their very successful tiger day in the summer. We produced a display with information about the field projects, and Amanda Bright gave an interesting presentation in the zoo's auditorium.

Colchester Zoo arranged lots of activities for young and old and 21<sup>st</sup> Century Tiger had a table full of bags, mugs, key rings and other fun tiger inspired toys for sale (kindly donated by ExxonMobil). A friendly tiger (volunteers taking turns to wear the costume) was also around to raise some interest and awareness in the 25°C heat!



© 21<sup>st</sup> Century Tiger

## **ExxonMobil held two tiger toy sales in support of 21<sup>st</sup> Century Tiger**

ExxonMobile continued to support 21<sup>st</sup> Century Tiger in 2004 with a generous donation of £5000 for 21<sup>st</sup> Century Tiger to purchase a lovely selection of soft toys, mugs, bags and other tiger inspired items, to sell to ExxonMobil staff at their Leatherhead and central London offices. Staff could purchase some great Christmas gifts with all the proceeds being donated to 21<sup>st</sup> Century Tiger. Remaining items are used for other fundraising initiatives throughout the year.

## **Eminent pianist gives a concert to help raise money for 21<sup>st</sup> Century Tiger**

Meher Toorkey approached 21<sup>st</sup> Century Tiger in 2003 with the generous idea of recording a CD of classical pieces by Prokofiev and Rachmaninov and donating the proceeds to 21<sup>st</sup> Century Tiger. These proved popular and we are pleased to say that they have sold out and raised £2,800. In addition, Meher made space for a stall at one of her concerts, at the Fairfield Hall in Croydon, which generated more than £350.

## **Project Review Group**

All project proposals sent to 21<sup>st</sup> Century Tiger are carefully evaluated by our Project Review Group. One member of this group has sadly now stood down owing to other commitments; we would like to thank Sharon Ament, co-founder of 21<sup>st</sup> Century Tiger, for all her good work through the years and wish her the very best for the future.

We would also like to take this opportunity to welcome two new representatives to the Review Group - Koen Brower from European Association of Zoos and Aquariums (EAZA) and Caroline Lees from the Australasian Regional Association of Zoological Parks and Aquaria (ARAZPA). They represent the increasing contribution that is being made to 21<sup>st</sup> Century Tiger from zoos.

## **21<sup>st</sup> Century Tiger Newsletter**

The 21<sup>st</sup> Century Tiger Newsletter has, after a long hibernation period, started up again and was distributed in winter 2004/5. The newsletter will be distributed twice yearly in future.

## Projects funded in 2004

21<sup>st</sup> Century Tiger supported a total of fifteen projects in 2004, nine of them covered by the EAZA Tiger Campaign and six funded from other sources. Here is a selection:

### Russian Far East

#### **Mediating conflicts between tigers and people: Direct intervention and better understanding of tiger-prey relations. (WCS – Russia)**

The Amur tiger ranges across a variety of human-influenced landscapes in the Russian Far East, and because of the low productivity of the land it competes with the local people for resources. WCS Russia works closely with the State Inspection Tiger Response Team, trying to address two different types of conflicts; direct conflicts between tigers and people and also competition for prey species.

Their overall goal is to better understand the needs of Amur tigers in the Russian Far East in order to better protect them. Through radio-collaring and monitoring tigers they are defining tiger predation rates and are working together with the Response Team to avoid tiger-human conflicts. It is a very slow and difficult process to study tigers, but with the help of a database the project is increasing our understanding of such key the tiger's ecology, including population dynamics, predator-prey relationship, social structure, reproduction and survivorship.

In August 2004 scientists from WCS and their Russian colleagues from the Sikhote-Alin Reserve fitted three wild Amur tiger cubs under six weeks old with tiny radio-collars – the first time it has ever been possible to track tigers at this age. The collars are designed to expand and eventually break and fall off as the cubs grow. Almost half of all tiger cubs die in their first year, and this study



© John Goodrich/WCS

will give researchers crucial insights into how they live their lives in the Russian Far East. These cubs represent the third generation of radio-collared tigers for WCS Russia and their in country partners – the first tiger was collared in 1991.

## **Amur/Siberian Tiger Conservation in Verkhnebikinsky Wildlife Refuge (Phoenix)**



© Phoenix

Primorye in the south of the Russian Far East represents the only area in the world where both Amur tigers and leopards still survive. The main habitat of the Amur tigers is in small protected territories in the forests of the Sikhote-Alin mountains. The Verkhnebikinsky wildlife refuge is 746,482 hectares of virgin forest untouched by logging and situated in the north of Primorsky region. It not only represents an important habitat for tigers but also holds large populations of ungulates and wild boar.

In order to conserve the Amur tiger habitat in Verkhnebikinsky wildlife refuge and ensure long-term survival of the tigers in the region this

projects aims to strengnen protection activities in the tiger habitat by carrying out joint patrols consisting of state law enforcement officers and anti-poaching teams. The team also concentrate on gaining public support and fostering a positive attitude with the local people, involving them directly with conservation work.. Saving the Amur tiger depends ultimately on the Russian people, especially those living within the tiger habitat. With only about 400 Amur tigers left in the wild, environmental education and outreach can play a major role in tiger conservation, and this project is also stresses the involvement of local people, particularly the younger generations.

## **China**

### **Amur tiger Conservation in China (Tigris Foundation & WCS China)**

The majority of Amur tigers live in Russia and most conservation efforts have so far been focused on Russia. However, there are signs of tigers in China and several reasons to increase spread of the work. There are still large tracts of suitable forests, reduced logging, very low wages and prices. Many problems and threats to tigers that exist in Russia are absent in China such as forest fires, over-hunting, high density of illegal guns and complex land ownership structures and conservation responsibilities.

The Hunchun reserve is a narrow band of protected forest on the Sino-Russian border. Since the project commenced, more than 5100 snares have been removed. An essential aspect of this project is to improve the attitude of the villages towards the reserve and tiger protection in general. They are doing so through education, compensation of livestock kills and through active involvement of villagers in the protection of the reserve and its wildlife.



© Phoenix

A newsletter has been produced and distributed to the villages in and around the reserve, a training workshop for village leaders and a conservation education programme for schools with funding from 21<sup>st</sup> Century Tiger. The livestock compensation programme has been implemented and villagers received compensation for livestock killed even a few years back, well before the project was started.

## Indonesia

### **Ranging patterns in Sumatran Tiger density and ranging patterns in oil palm and neighbouring forest habitats. (Zoological Society of London)**

Most conservation effort is focused on protected areas, but in Sumatra as elsewhere a substantial proportion of the wild tiger population lives in unprotected areas. Commercial forestry and oil plantations are dominating the country, with oil palm particularly being an increasing industry and responsible for many environmental problems. However, tigers can continue to survive in such habitats under certain conditions. Areas around plantations attract tigers largely due to the high density of prey species, particularly wild pigs, which in turn are attracted to the plantation for the oil palm fruit

Work on an oil palm plantation in the Jambi province began in 2001, a collaboration between the Zoological Society of London and plantation owners PT Asiatic Persada. Together they established a research team that collects data on how tigers and their prey species survive in a commercial landscape and how the plantation can ensure that such conditions continue to exist. It has been discovered, using camera traps and tracks, that several tigers regularly use the plantation land and the adjacent logging concession.

In 2003, the team successfully captured and radio-collared the first ever Sumatran tiger, with funding from 21<sup>st</sup> Century Tiger. Important data were collected and will be very

valuable in designing management protocols for oil palm plantations that will enable them to include wildlife corridors in their planning.

In 2004, considerable problems with increased settlement, illegal logging and changes in plantation management caused a drop in tiger numbers around the site, due probably to both poaching and disturbance resulting in tigers moving deeper into the adjacent logging concession. Important research data are available even in such situations, which help us to learn how tigers and other wildlife respond (interestingly, records of some endangered species have increased). The protection component was reinforced during 2004 and patrols continue to be carried out every night, while the protection framework for the areas adjacent to the plantation is due to improve substantially during 2005. Camera-trapping and other survey work for tigers is ongoing, and the project team also radio tracked a sun bear and two tapir during the course of the year.

## **India**

### **Community Leadership for Tiger Conservation (Centre for Wildlife Studies)**

21<sup>st</sup> Century Tiger continued to fund these two projects in 2004.

#### **- Anshi Dandeli**

Increased human population and cultivation of most of the hilly region of Anshi National Park and Dandeli Wildlife Sanctuary has resulted in fragmentation of the forest. There are both legal and illegal human settlements inside the reserve and a large number of villages surrounding it, which are highly dependent on the forest for such things as fuel, wood etc. In addition, the project faces problems of commercial extractions of non-timber forest products (NTFPs), logging and hunting of the tiger's prey.

The project continues to improve public awareness and gain support through educational programmes, including information about the negative impacts of commercial harvesting of NTFP and poaching.

#### **- Tadoba Andhari**

This park is facing similar problems of poaching, poisoning of tiger kills, hunting of ungulates, forest fires, grazing and the collection of non-timber forest products. There are six villages inside the protected area and 53 villages surrounding the park. Some of these are to be resettled outside the park through a government implemented resettlement project.

CWS holds meetings with the villagers, arranges workshops and field monitoring of tigers and their prey, mobilises community support and works to improve the protection systems.



## **Acknowledgements**

21<sup>st</sup> Century Tiger is most grateful to all its supporters who provide donations, both large and small, as well as those given in kind. We would particularly like to thank the following: ExxonMobil, a founder supporter, continues to assist with occasional promotions, DEFRA (the UK Government's Department for Environment, Food and Rural Affairs), EAZA (European Association of Zoos and Aquaria) and ARAZPA (Australasian Regional Association of Zoological Parks and Aquaria)

We would also like to thank Nigel Hodgetts for the design and maintenance of our website, Candice Chitolie for the design and layout of 21<sup>st</sup> Century Tiger leaflets and this newsletter, and Meher Toorkey for generously donating CDs to raise funds and for her fundraising concerts.