

EAZA Yearbook 2007/2008

Please note that this document is one chapter of the EAZA Yearbook 2007/2008. Please visit the EAZA website to download the other chapters or the complete Yearbook:

<http://www.eaza.net/activities/cp/Pages/yearbook.aspx>

EAZA Bear TAG

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Polar bear (*Ursus maritimus*) EEP (by Janos Szanthy)

Asiatic black bear (*Selenarctos thibetanus*) ESB (by Maria Krakowiak)

EAZA Bear TAG Annual Report 2007 - 2008



1. Information on organisation, structure and activities of the TAG

TAG chair:	José Kok, Rhenen	jose.kok@ouwehand.nl / jkok@alertis.nl
TAG vice-chair:		
TAG members:	Kenneth Ekvall (Orsa) Beatriz Gallego (Cabarceno) Lydia Kolter (Koln) Maria Krakowiak (Warszawa) Karin Linke (Rostock) Gloria Svampa Garibaldi (Fed-uiza) Janos Szantho (Amsterdam) Hans van Weerd (Leeuwarden) Lars Versteeg (Hilvarenbeek)	
TAG advisors:	General Nilüfer Aytug , University Bursa, Karacabey Magda Sindicic , University Zagreb Behavioural Gerard Baars, Private Alison Cronin, Monkey World - Ape Rescue Centre Graham Law, Kingsborough Gardens Hyndland Taxonomy G. Peters, Museum A. Koenig Veterinary Peter Dollinger, WAZA Executive Office Alexis Lecu, Parc Zoologique de Paris Nutritional Conservation Research Djuro Huber, Veterinary Faculty, Biology Department - Zagreb Andrew Kitchener, Royal Museum of Scotland Educational Irena Furlan, Zooloski vrt mesta Ljubljane	
Current EEPs:	Sloth bear (<i>Melursus ursinus</i>) Spectacled bear (<i>Tremarctos ornatus</i>) Polar bear (<i>Ursus maritimus</i>)	
Current ESBs:	Malayan sun bear (<i>Helarctos malayanus</i>) Brown bear (<i>Ursus arctos</i>) Asiatic black bear (<i>Ursus thibetanus</i>)	
TAG meeting:	Date of last meeting: 17 September 2008 Last meeting hosted at Antwerpen Zoo (Royal Zoological Society of Antwerp).	
Regional Collection Plan:	Has a RCP been published? No Next edition to be published in 2010.	
Publications:	The Ursid Husbandry Guidelines were partly revised and published.	

2. Information on developments during 2007 - 2008

The Bear TAG met several times during the reporting years:

2007

1. Mid year in Kiev
2. During EAZA Conference in Warsaw

2008

1. Mid year in Abruzzo National Park
2. During EAZA Conference in Antwerp

Minutes of these meetings are available on the EAZA website.

The TAG has been actively involved in developing and launching the EAZA European Carnivore Campaign.

3. TAG goals for 2009

- Publication of the Regional Collection Plan. A meeting dedicated to the RCP will be organised in Cologne.
- Election of a Species Committee for the Polar bear EEP and concentrate further on polar bear reproduction and linkage between in situ and ex situ conservation, amongst other by organising a polar bear workshop in Rhenen.
- Organisation of a large Carnivore TAG meeting in Amsterdam where representatives from Felid TAG, Canid TAG and Ursid TAG orientate on possible cooperation.
- Organise a TAG meeting during the EAZA Annual Conference in Copenhagen.
- Continue support and input to the EAZA European Carnivore Campaign



Malayan sun bear

ESB Annual Report 2007 - 2008



1. Programme information

Malayan sun bear

Helarctos malayanus

ESB established in 1994.

Goal(s)

Additional comments

Currently genetic and demographic goals are not defined, since the population is used for husbandry and conservation related research as well as for conservation education.

Goal of research:

- Reveal causes for the sterility in several males and the pathological changes in the reproductive tract of females;
- Contribute to reproduction biology;
- Determine thermal needs of sun bears.

2. Programme personnel

European Studbook Keeper

Lydia Kolter (Koln)

3. Publications

Studbook

Recent edition: 2007

Next edition: 2010

Husbandry guidelines

Published in 2007.

4. Status

Status and developments over the year 2007 - 2008

Malayan sun bear

Helarctos malayanus

New	No reply	Participants	Status 1 Jan.	Births (DNS)	EAZA zoos		non-EAZA zoos		Deaths	31. Dec.
					In	Out	In	Out		
*		ARNHEM	0.0.0	0.0.0 (0.0.0)	1.2.0	0.0.0	0.0.0	0.0.0	0.0.0	1.2.0
		BASEL	1.1.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	1.1.0
		BELFAST	1.1.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	1.1.0
		BERLIN-TIERPARK	1.3.0	0.1.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	1.4.0
		BERLIN-ZOO	2.1.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	2.1.0
*		DECIN	0.0.0	0.0.0 (0.0.0)	0.1.0	0.0.0	0.0.0	0.0.0	0.0.0	0.1.0
		FRANKFURT	1.1.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	1.1.0
		HILVARENBEEK	1.2.0	0.0.0 (0.0.0)	0.0.0	1.0.0	0.0.0	0.0.0	0.0.0	0.2.0
		JIHLAVA	1.1.0	0.0.0 (0.0.0)	0.0.0	1.1.0	0.0.0	0.0.0	0.0.0	0.0.0
		KOLN	2.5.0	0.1.0 (0.0.0)	0.0.0	0.2.0	0.0.0	0.0.0	1.0.0	1.4.0
		LODZ	1.1.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	1.1.0
		MADRID-ZOO	1.1.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	1.1.0
		MUNSTER	1.1.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	1.1.0
		OLOMOUC	1.2.0	0.0.0 (0.0.0)	0.0.0	0.1.0	0.0.0	0.0.0	0.0.0	1.1.0
		PARIS-ZOO	0.1.0	0.0.0 (0.0.0)	0.0.0	0.1.0	0.0.0	0.0.0	0.0.0	0.0.0
*		PRAHA	0.0.0	0.0.0 (0.0.0)	1.2.0	0.0.0	0.0.0	0.2.0	1.0.0	0.0.0
		ROMANECHE	1.2.0	0.0.0 (0.0.0)	0.0.0	1.0.0	0.0.0	0.0.0	0.0.0	0.2.0
		ST-MARTIN-PLAIN	0.1.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	0.1.0
*		TREGOMEUR	0.0.0	0.0.0 (0.0.0)	1.1.0	0.0.0	0.0.0	0.0.0	0.0.0	1.1.0
		USTI-NAD-LABEM	2.5.0	0.0.0 (0.0.0)	0.0.0	0.1.0	0.0.0	0.0.0	0.0.0	2.4.0
		ZAGREB	1.1.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	1.1.0
		Total (21)	18.30.0	0.2.0 (0.0.0)	3.6.0	3.6.0	0.0.0	0.2.0	2.0.0	16.30.0
		Non-EAZA Institutions (4)	2.1.0	0.0.0 (0.0.0)	0.0.0	0.0.0	1.3.0	0.0.0	0.0.0	3.4.0



Malayan sun bear

ESB Annual Report 2007 - 2008



Summary

The population remained almost stable. Two males died, one male was imported by a non-EAZA zoo, which also imported a female. This animal and the two females born led to a net increase of two animals. One third of the population will not contribute to the gene pool as they are beyond breeding age. Most of them never reproduced, several of them were proven to be infertile, due to low sperm quality resp. pathological changes in the vagina, which makes the affected females refusing to be mated.

There are four new EAZA participants, but only two of them will continue with the species. They created completely new enclosures. Two zoos were keeping the species only temporarily and one zoo stopped keeping sun bears. Of the four non-EAZA institutions two are new holders.



Sloth bear

EEP Annual Report 2007 - 2008



1. Programme information

Sloth bear

Melursus ursinus

EEP established in 1989.

Goal(s)

Percentage of gene diversity 90% saved in 100 years.

2. Programme personnel

Species Coordinator

Lars Versteeg (Hilvarenbeek)

Veterinary advisor

Jacques Kaandorp (Hilvarenbeek)

3. Activities

Species Committee

Last election:

Last meeting: 17 September 2004 Bristol

Conservation activities

Not specified.

Research activities

Not specified.

4. Publications

Studbook

Recent edition: 2005

Next edition: 2009

Husbandry guidelines

Published in 2008.

5. Status

Status and developments over the year 2007 - 2008

Sloth bear

Melursus ursinus

New	No reply	Participants	Status 1 Jan.	Births (DNS)	EAZA zoos		non-EAZA zoos		Deaths	31. Dec.
					In	Out	In	Out		
		BERLIN-ZOO	3.3.0	0.1.1 (0.0.1)	0.0.0	0.0.0	0.0.0	1.1.0	1.0.0	1.3.0
*		CHEMNITZ	0.0.0	0.0.0 (0.0.0)	0.2.0	0.0.0	0.0.0	0.0.0	0.0.0	0.2.0
		FRANKFURT	0.2.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	0.2.0
		HILVARENBEEK	3.0.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	3.0.0
		LEIPZIG	2.6.0	0.1.1 (0.0.1)	0.0.0	0.2.0	0.0.0	0.0.0	0.1.0	2.4.0
		LONDON	1.2.0	0.0.0 (0.0.0)	0.0.0	1.2.0	0.0.0	0.0.0	0.0.0	0.0.0
		MOSKVA	1.1.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	1.1.0
		MYKOLAYIV	1.1.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.1.0	1.0.0
*		WHIPSNADE	0.0.0	0.0.0 (0.0.0)	1.2.0	0.0.0	0.0.0	0.0.0	0.0.0	1.2.0
		Total (9)	11.15.0	0.2.2 (0.0.2)	1.4.0	1.4.0	0.0.0	1.1.0	1.2.0	9.14.0



Sloth bear

EEP Annual Report 2007 - 2008



Summary

The animals at London and Moskva are of the Sri-Lankan subspecies (*M. u. inornatus*).

The future of this EEP is very doubtful. Without import of new bloodlines from India the continuation of this EEP is subject for debate.

Problems

There is now a lack of animals. There is only one unrelated animal in the population left and there is a desperate need for new blood. Serious effort needs to be undertaken to import new animals from India.

The inbreeding coefficient of many bears is alarming. Many "ursinus" bears descend from 1 sire and few unrelated animals are present in the EEP population.

Because there are so few participants, the EEP is very dependent on the cooperation and determination of all holders to continue with sloth bear. Every participant is needed desperately as well as money and time to import new bloodlines.



Spectacled bear

EEP Annual Report 2007 - 2008



1. Programme information

Spectacled bear

Tremarctos ornatus

EEP established in 1987.

Goal(s)

Percentage of gene diversity 90% saved in 100 years.

Additional comments

Percentage of gene diversity to be preserved and thus target population size, will have to be reviewed, when the conservation potential of the European population has been determined. It depends on the geographic origin of its founders. Genetic analyses by M. Ruiz Garcia, Bogota, demonstrated that the population of the Northern Andes and that of the Southern Andes are sufficiently different to treat them as management units (MU), perhaps even as evolutionary significant units (ESU), which have to be managed separately.

Of only four founders contributing to the EEP population the country of origin was mentioned in documents. The other six, which dominate the current population, are of unknown origin. In order to trace them back to one of the identified MU analyses of mt- and nuclear DNA of founder resp. F1 specimens preserved in museums are necessary. The geographic origin of these founders, their representation in the currently living animals and their linkages will be decisive for the potential conservation role of the EEP population and thus its population size. More information on that issue including references are to be found in the "Summary of the closed meeting on "strategies for the management of the ex situ populations of Andean bears" during the 2nd Andean Bear Conference in Lima", spectacled bear studbook 2008, 9-8.

2. Programme personnel

Species Coordinator

Lydia Kolter (Köln)

Species Committee members

Sander Hofman (Antwerpen)

Mark Challis (Belfast)

Frank Brandstatter (Dortmund)

Pierre Gay (Doue-fontaine)

Quentin Bloxam (Jersey)

Gerd Nötzold (Leipzig)

Francois-Pierre Huyghe (Lisieux)

Jesus Fernandez Moran (Madrid-zoo)

Robert Zingg (Zürich)

Veterinary advisor

Alexis Lecu (Paris-zoo)



Spectacled bear

EEP Annual Report 2007 - 2008



3. Activities

Species Committee

Last election: 2006
Last meeting: 12 September 2007 Warszawa

Conservation activities

Activities by different EEP members continued (see last annual report).

Financial support by Chester, Cologne and Leipzig for the 2nd International Symposium on the Andean Bear, Lima, 10-12. November 2008, which was held to re-new and strengthen links between the in situ and ex situ community working on the conservation of the species, to summarise and present latest findings of bear research and conservation activities in range countries and to inform on developments in zoos.

Research activities

Those mentioned in the last annual report are going on.

Presentations during the 2nd International Symposium on the Andean Bear, Lima, 10.-12.Nov. 2008:
Kolter, L.: Ex Situ conservation of Andean bears includes more than genetic and demographic management. (Oral presentation)

Brayshaw, M. & Hall, A.L.: Experiences and enclosure design and structuring requirements, when running mixed exhibitions. (Poster presentation)

Hofman, S.; Galbusera, P. & Velez-Liendo, X.: Description of new enclosures and their use by Andean bears at Antwerp zoo, Belgium (Poster presentation)

Touzet, J.-M.: Handling of two male Andean bears at De La Ville de Lyon zoo. (Poster presentation)

Jewgenow, K.; Knauf, T.; Hildebrandt, T.; Kolter, L.; Dehnhard, F. & Göritz, F.: Comparative reserach on the reproductive biology of bears (Ursidae). (Poster presentation)

4. Publications

Studbook

Recent edition: 2008
Next edition: 2010

Husbandry guidelines

Published in 2007.

5. Status

Status and developments over the year 2007 - 2008

Spectacled bear
Tremarctos ornatus

New	No reply	Participants	Status 1 Jan.	Births (DNS)	EAZA zoos		non-EAZA zoos		Deaths	31. Dec.
					In	Out	In	Out		
*		AMSTERDAM	0.0.0	0.0.0 (0.0.0)	0.1.0	0.0.0	0.0.0	0.0.0	0.0.0	0.1.0
		ANTWERPEN	1.1.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	1.1.0
		ASCHERSLEBEN_NE	2.0.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	2.0.0
		BASEL	2.0.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	2.0.0
		BELFAST	2.1.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	2.1.0
		BERLIN-TIERPARK	1.3.0	4.0.1 (0.0.1)	1.1.0	2.1.0	0.0.0	0.0.0	0.0.0	4.3.0
		BERLIN-ZOO	1.1.0	0.0.0 (0.0.0)	0.0.0	1.1.0	0.0.0	0.0.0	0.0.0	0.0.0
		BUSSOLENGO	2.1.0	0.1.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	2.2.0
		CHESTER	1.1.0	0.0.0 (0.0.0)	1.0.0	0.0.0	0.0.0	0.0.0	1.0.0	1.1.0
		DALTON-FURNESS	0.4.0	0.0.0 (0.0.0)	1.0.0	0.0.0	0.0.0	0.0.0	0.0.0	1.4.0
		DORTMUND	0.2.0	0.0.0 (0.0.0)	1.0.0	0.1.0	0.0.0	0.0.0	0.0.0	1.1.0
		DOUE-FONTAINE	2.2.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	2.2.0
*		HERBERSTEIN	0.0.0	0.0.0 (0.0.0)	2.1.0	0.0.0	0.0.0	0.0.0	0.1.0	2.0.0
		JERSEY	1.1.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	1.1.0
		JOHANNESBURG_NE	1.1.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	1.1.0
		LEIPZIG	2.3.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	2.3.0
		LISIEUX	3.4.0	0.0.0 (0.0.0)	0.0.0	2.0.0	0.0.0	0.0.0	0.0.0	1.4.0
		LYON	2.0.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	2.0.0
		MADRID-ZOO	1.1.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	1.1.0
		MOSKVA	3.2.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	1.0.0	2.2.0
		NURNBERG	0.2.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	0.2.0
		PONT-SCORFF	1.1.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	1.1.0
		STUTTGART	1.1.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	1.1.0
		THOIRY	1.1.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	1.1.0
		WIEN-ZOO	1.2.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	1.2.0
		ZURICH	1.4.0	2.1.0 (0.0.0)	0.0.0	1.0.0	0.0.0	0.0.0	2.1.0	0.4.0
		Total (26)	32.39.0	6.2.1 (0.0.1)	6.3.0	6.3.0	0.0.0	0.0.0	4.2.0	34.39.0

Summary

There was a net increase of two males. Of the nine cubs only three were born to two pairs with breeding recommendations. The other four recommended pairs did not breed. Two of the animals which died were genetically high ranking specimens in breeding age. There are two new holders, one offering one space for current surplus animals and one offering a breeding facility. The capacity problems are going on but might slightly decrease in the next years, when some of the animals now well above twenty years will die. Nevertheless the population has the demographic potential to grow, but there are genetic risks like an increase in inbreeding after most of the lines have been combined and a decrease in genetic diversity, in particular as several of the less represented founders might disappear from the population.



Brown bear

ESB Annual Report 2007 - 2008



1. Programme information

European brown bear
Kamchatka brown bear
Grizzly bear
Isabel brown bear
Kodiak bear
Syrian brown bear
Hybrid brown bear

Ursus arctos arctos
Ursus arctos beringianus
Ursus arctos horribilis
Ursus arctos isabellinus
Ursus arctos middendorffi
Ursus arctos syriacus
Ursus arctos HYBRID

ESB established in 1994.

Goal(s)

Percentage of gene diversity 90% saved in 100 years.

2. Programme personnel

European Studbook Keeper
José Kok (Rhenen)

3. Publications

Studbook

Recent edition: 2006
Next edition: 2009

Husbandry guidelines

Published in 1997.



Brown bear

ESB Annual Report 2007 - 2008



BOCHUM	0.1.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	0.1.0
BRATISLAVA	1.1.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	1.1.0
CABARCENO	2.0.60	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	2.0.60
CHOMUTOV	2.2.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	2.2.0
COLWYN-BAY	0.1.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	0.1.0
DARICA	1.1.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	1.1.0
DEIGNE	1.5.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	1.5.0
EBERSWALDE	2.1.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	2.1.0
GDANSK	0.2.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	0.2.0
HALLE	0.1.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	0.1.0
HANNOVER	0.1.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	0.1.0
INNSBRUCK	0.1.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	0.1.0
KATOWICE	1.2.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	1.2.0
LA-FLECHE	0.2.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	0.2.0
LANDAU	0.2.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	0.2.0
LANGNAU	1.1.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	1.1.0
LIGNANO	0.1.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	0.1.0
LISBOA-ZOO	1.3.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	1.3.0
LISIEUX	1.0.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	1.0.0
MADRID-ZOO	3.5.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	3.5.0
MULHOUSE	0.1.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	0.1.0
MUNCHEN	1.1.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	1.1.0
NEUNKIRCHEN	1.1.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	1.1.0
PLZEN	1.0.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	1.0.0
RHENEN	1.4.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	1.4.0
ROMA	5.4.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	5.4.0
SANTILLANA	2.3.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	2.3.0
SCHWERIN	0.2.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	0.2.0
ST-AIGNAN	0.2.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	0.2.0
WARSZAWA	1.2.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	1.2.0
WHIPSNADDE	0.4.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	0.4.0
WROCLAW	0.1.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	0.1.0
Total (38)	34.70.60	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	34.70.60
Non-EAZA Institutions (23)	25.41.2	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	25.41.2

Discrepancy notes

Kodiak bear

Ursus arctos middendorffi

ROSTOCK

The status on 1 January 2007 is 1.1.0 instead of 1.2.0 as listed on 31 December 2006. 0.1 died in 2006 but was not previously reported.

Summary

There is still a problem with getting correct data in time from non EAZA institutions.



Polar bear
EEP Annual Report 2007 - 2008



1. Programme information

Polar bear

Ursus maritimus

EEP established in 2006.

Goal(s)

Percentage of gene diversity 90% saved in 100 years.

2. Programme personnel

Species Coordinator

Janos Szantho (Amsterdam)

Species Committee members

Dag Enke (Nurnberg)

Pavel Brandl (Praha)

Gerard Meijer (Rhenen)

Antje Zimmerman (Rostock)

Martin van Wees (Rotterdam)

Natalia Popova (St-petersburg)

Ulrike Rademacher (Stuttgart)

Mati Kaal (Tallinn)

Maria Krakowiak (Warszawa)

Harald Schwammer (Wien-zoo)

Jens Lilleor (Aalborg)

3. Activities

Species Committee

Last election: No election ever held.

Last meeting:

Conservation activities

Not specified.

Research activities

Not specified.

4. Publications

Studbook

Recent edition: Not yet published.

Next edition: 2010

Husbandry guidelines

Published in 1998.

5. Status

Status and developments over the year 2007 - 2008

Polar bear
Ursus maritimus

New	No reply	Participants	Status 1 Jan.	Births (DNS)	EAZA zoos		non-EAZA zoos		Deaths	31. Dec.
					In	Out	In	Out		
*		AALBORG	0.2.0	2.0.0 (1.0.0)	1.0.0	0.0.0	0.0.0	0.0.0	0.0.0	2.2.0
*		AMNEVILLE	3.0.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	1.0.0	2.0.0
*		AMSTERDAM	0.1.0	0.0.0 (0.0.0)	0.0.0	0.1.0	0.0.0	0.0.0	0.0.0	0.0.0
*		BERLIN-TIERPARK	1.1.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	1.1.0
*		BERLIN-ZOO	2.3.0	0.0.1 (0.0.1)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	2.3.0
*		BREMERHAVEN	1.1.0	0.0.0 (0.0.0)	0.1.0	0.0.0	0.0.0	0.0.0	0.0.0	1.2.0
*		BRNO	1.1.0	3.0.0 (0.0.0)	0.0.0	3.0.0	0.0.0	0.0.0	0.0.0	1.1.0
*		BUDAPEST	1.1.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	1.1.0
*		DEIGNE	2.1.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	2.1.0
*		EDINBURGH	0.1.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	0.1.0
*		FASANO_NE	1.2.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.1.0	0.0.0	1.1.0
*		GELSENKIRCHEN	1.3.0	0.0.0 (0.0.0)	2.1.0	0.0.0	0.0.0	0.0.0	1.1.0	2.3.0
*		HAMBURG	0.2.0	0.0.0 (0.0.0)	0.0.0	0.2.0	0.0.0	0.0.0	0.0.0	0.0.0
*		KARLSRUHE	1.2.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	1.2.0
*		KOBENHAVN-ZOO	0.1.0	0.0.0 (0.0.0)	1.0.0	0.0.0	0.0.0	0.0.0	0.0.0	1.1.0
*		LA-FLECHE	1.1.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	1.1.0
*		LES-MATHES	1.1.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	1.1.0
*		MIERLO	0.3.0	0.0.0 (0.0.0)	2.1.0	0.0.0	0.0.0	0.0.0	0.0.0	2.4.0
*		MOSKVA	1.3.0	0.0.0 (0.0.0)	0.0.0	1.0.0	0.0.0	0.0.0	0.0.0	0.3.0
*		MULHOUSE	1.1.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	1.1.0
*		MUNCHEN	0.1.0	0.0.0 (0.0.0)	1.0.0	0.0.0	0.1.0	0.0.0	0.0.0	1.2.0
*		MYKOLAYIV	1.1.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	1.1.0
*		NEUMUNSTER	1.1.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	1.1.0
*		NOVOSIBIRSK	1.0.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	1.0.0
*		NURNBERG	1.2.0	0.1.1 (0.0.0)	0.0.0	1.1.0	0.0.0	0.0.0	0.0.1	0.2.0
*		NYIREGYHAZA	1.1.0	0.0.0 (0.0.0)	0.0.0	0.0.0	1.0.0	0.0.0	0.1.0	2.0.0
*		ORSA	0.0.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0
*		PALIC	2.1.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	1.0.0	0.0.0	1.1.0
*		PEAUGRES	1.2.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.1.0	1.1.0
*		PISTOIA	1.1.0	0.0.0 (0.0.0)	0.0.0	1.0.0	0.0.0	0.0.0	0.0.0	0.1.0
*		PRAHA	0.2.0	0.0.1 (0.0.1)	1.0.0	0.0.0	0.0.0	0.0.0	0.0.0	1.2.0
*		RANUA	1.2.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	1.2.0
*		RHENEN	3.3.0	0.0.2 (0.0.1)	0.0.0	2.1.0	0.0.0	0.0.0	0.0.0	1.2.1
*		RIGA	0.0.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0
*		ROSTOCK	1.3.0	0.0.0 (0.0.0)	0.1.0	0.0.0	0.0.0	0.0.0	0.1.0	1.3.0
*		ROTTERDAM	0.0.0	0.0.0 (0.0.0)	3.2.0	2.1.0	0.0.0	0.0.0	0.0.0	1.1.0
*		ST-PETERSBURG	1.1.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	1.1.0
*		STUTTGART	1.2.0	1.0.0 (0.0.0)	0.0.0	0.1.0	0.0.0	0.0.0	0.0.0	2.1.0
*		TALLINN	1.0.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	1.0.0
*		THOIRY	0.1.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	0.1.0
*		WARSAWA	0.1.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.1.0	0.0.0
*		WIEN-ZOO	1.2.0	0.0.2 (0.0.0)	0.1.0	1.0.0	0.0.0	0.0.0	0.1.0	0.2.2
*		WROCLAW	0.1.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	0.1.0
*		WUPPERTAL	1.1.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	1.1.0
		Total (44)	37.60.0	6.1.7 (1.0.3)	11.7.0	11.7.0	1.1.0	1.1.0	2.6.1	40.55.3



Polar bear
EEP Annual Report 2007 - 2008



Summary

Not specified.



Asiatic black bear

ESB Annual Report 2007 - 2008



1. Programme information

Asiatic black bear
Ussuri black bear

Ursus thibetanus
Ursus thibetanus ussuricus

ESB established in 1994.

Goal(s)

Percentage of gene diversity 90% saved in 100 years.

2. Programme personnel

European Studbook Keeper

Maria Krakowiak (Warszawa)

3. Publications

Studbook

Recent edition: 2003

Next edition: 2009

Husbandry guidelines

Not yet published.

4. Status

Status and developments over the year 2007 - 2008

Asiatic black bear
Ursus thibetanus

New	No reply	Participants	Status 1 Jan.	Births (DNS)	EAZA zoos		non-EAZA zoos		Deaths	31. Dec.
					In	Out	In	Out		
		AMERSFOORT	0.1.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	0.1.0
		BERLIN-ZOO	1.2.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	1.2.0
	*	DEIGNE	1.1.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	1.1.0
		DUDLEY	0.2.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	0.2.0
		FARJESTADEN	1.2.0	1.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	1.0.0	1.2.0
		HALLE	1.1.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	1.1.0
		KATOWICE	1.2.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	1.2.0
		KOLN	1.0.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	1.0.0
		LISBOA-ZOO	1.1.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	1.1.0	0.0.0	0.0.0
		LODZ	0.3.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	0.3.0
		MADRID-ZOO	1.2.0	0.0.0 (0.0.0)	0.0.0	0.0.0	1.0.0	0.0.0	0.0.0	2.2.0
		NYIREGYHAZA	1.1.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	1.1.0
		OSNABRUCK	1.0.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	1.0.0	0.0.0
		OSTRAVA	1.1.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	1.1.0
		RAMAT-GAN	1.1.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	1.1.0
	*	WARSAWA	0.0.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.1.0	0.0.0	0.1.0	0.0.0
		WROCLAW	1.2.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	1.2.0
		ZLIN	2.1.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	2.1.0
		Total (18)	15.23.0	1.0.0 (0.0.0)	0.0.0	0.0.0	1.1.0	1.1.0	2.1.0	14.22.0
		Non-EAZA Institutions (27)	36.33.0	0.0.0 (0.0.0)	0.0.0	0.0.0	2.2.0	1.1.0	4.5.0	33.29.0

Summary

- One EAZA member (Lisbon) - resigned from the programme and sent 1.1 to Mierlo/NL. Amersfoort, Lodz, Madrid-Zoo and Ramat-Gan also indicated their wish cease the species and resign from the programme.



Asiatic black bear

ESB Annual Report 2007 - 2008



-
- Four new holders were found in 2008: Ludwiglust, Napoli, Pitesti and Ploiesti (all four non-EAZA). These institutions already keep Asiatic black bear for a longer time.
 - New enclosures are planned (or under construction) in Torun, Gelsenkirchen, Dresden and Skopje.
 - No reply received from six non-EAZA institutions and one EAZA institution (Deigne).