



White rhinoceros EEP Annual Report 2003

1. Programme information

White rhinoceros

Ceratotherium simum simum

EEP established in 1992

2. Programme personnel

Species coordinator

Dr Kristina Tomasova, Dvur-Kralove

EEP studbook keeper

Dr Andreas Ochs, Berlin-zoo

Species Committee members

Drs Tom de Jongh, Arnhem
Mr Anthony Tropeano, Colchester
Dr Achim Winkler, Duisburg
Mr Richard Osterballe, Givskud
Mr Wim Verberkmoes, Hilvarenbeek
Mr Bengt Roken, Kolmarden
Mr Thierry Jardin, Lisieux
Mr Peter Bircher, Marwell
Mr Radoslaw Ratajszczak, Poznan
Dr Christian Walzer, Salzburg-zoo
Dr Jake Veasey, Woburn

Veterinary advisor

Dr Robert Hermes, IZW, Berlin
Dr Christian Walzer, Salzburg-zoo
Prof Franz Schwarzenberger, Institute of Biochemistry, Veterinary University Vienna

3. Activities

Species Committee

Last election: 2003
Last meeting: 18 September 2003, Leipzig.

Conservation activities

Not specified.

Research activities

Project on assisted reproduction by IZW, Vienna Veterinary University and Salzburg zoo team.

4. Publications

Studbook

Recent edition: 2001
Next edition: 2004

Husbandry guidelines

Recent edition: Husbandry guidelines for rhinoceroses by Dr Reinhard Goltenboth, Prof Dr Udo Ganslosser and Dr Kristina Tomasova are published in the International Studbook number 6 (1995). Husbandry guidelines for white rhinoceroses are also available on www.wreep.net (member area).

Other publications

Not specified.

White rhinoceros EEP Annual Report 2003



5. Status and developments over the year 2003

White rhinoceros *Ceratotherium simum simum*

Participants	Status 1 Jan.	Births (DNS)	Transfers between EEP zoos		Transfers with non-EEP zoos		Deaths	Status 31 Dec.
			In	Out	In	Out		
AALBORG	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
*AMNEVILLE	0.0.0	0.0.0 (0.0.0)	1.0.0	0.0.0	1.2.0	0.0.0	0.0.0	2.2.0
ARNHEM	2.4.0	0.0.0 (0.0.0)	0.1.0	0.0.0	0.0.0	0.0.0	0.1.0	2.4.0
AUGSBURG	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
BANDHOLM_NE	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
BARCELONA-ZOO	1.1.0	0.0.0 (0.0.0)	0.0.0	0.0.0	2.1.0	0.0.0	0.1.0	3.1.0
BORAS	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
BRATISLAVA	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
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
BURFORD	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
BUSSOLENGO	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	4.2.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	1.0.0	3.2.0
COLCHESTER	1.1.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.2.0	0.0.0	0.0.0	1.3.0
DALTON-FURNESS	2.0.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.2.0	0.0.0	0.0.0	2.2.0
DEIGNE	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
DUBLIN	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
DUISBURG	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
DVUR-KRALOVE	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
EDINBURGH	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
EMMEN	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
ERFURT	2.4.0	0.0.0 (0.0.0)	0.0.0	0.2.0	0.0.0	0.0.0	0.0.0	2.2.0
GIVSKUD	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
HILVARENBEEK	2.8.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	1.0.0	1.8.0
JERUSALEM	1.1.0	0.0.0 (0.0.0)	1.0.0	0.1.0	0.0.0	0.0.0	0.0.0	2.0.0
KATOWICE	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
KAUNAS	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
KESSINGLAND	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	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
*KOLMARDEN	0.0.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.2.0	0.0.0	0.0.0	0.2.0
KYIV	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
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
LIBEREC	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
LILLE	1.0.0	0.0.0 (0.0.0)	0.1.0	0.0.0	0.0.0	0.0.0	0.0.0	1.1.0
LISBOA-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
LISIEUX	3.1.0	0.0.0 (0.0.0)	0.1.0	1.0.0	0.0.0	0.0.0	0.0.0	2.2.0
LODZ	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
*MALTON_NE	0.0.0	0.0.0 (0.0.0)	2.0.0	0.0.0	0.0.0	0.0.0	0.0.0	2.0.0
MARWELL	2.2.0	0.1.0 (0.0.0)	0.0.0	1.0.0	0.0.0	0.0.0	0.0.0	1.3.0
MONTPELLIER	1.0.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.2.0	0.0.0	0.0.0	1.2.0
MUNSTER	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
OPOLE	1.1.0	0.0.0 (0.0.0)	0.0.0	0.1.0	0.0.0	0.0.0	0.0.0	1.0.0
OSNABRUCK	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
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
PAIGNTON	1.0.0	0.0.0 (0.0.0)	0.0.0	1.0.0	0.0.0	0.0.0	0.0.0	0.0.0
PARIS-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
PELISSANE	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
PLAISANCE-TOUCH	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
PORT-ST-PERE_NE	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
POZNAN	1.1.0	0.1.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	1.2.0
PRESCOT	3.4.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	3.4.0
RAMAT-GAN	5.6.0	0.0.0 (0.0.0)	0.1.0	1.0.0	0.0.0	0.0.0	0.0.0	4.7.0
ROMANECHÉ	1.1.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	1.0.0	0.1.0
ROSTOV_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
SALZBURG-ZOO	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	1.0.0	0.0.0 (0.0.0)	0.1.0	0.0.0	0.0.0	0.0.0	0.0.0	1.1.0
SIGÉAN	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
SOFIA_NE	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
ST-AIGNAN	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
THOIRY	1.2.0	0.0.0 (0.0.0)	1.0.0	0.0.0	0.0.0	0.0.0	0.0.0	2.2.0



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White rhinoceros <i>Ceratotherium simum simum</i> (continued)								
Participants	Status 1 Jan.	Births (DNS)	Transfers between EEP zoos		Transfers with non-EEP zoos		Deaths	Status 31 Dec.
			In	Out	In	Out		
USTI-NAD-LABEM	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
WARMINSTER	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
WHIPSNAD	2.8.0	0.1.0 (0.1.0)	0.0.0	0.1.0	0.0.0	0.0.0	0.1.0	2.6.0
WOBURN	2.1.0	0.0.0 (0.0.0)	0.1.0	0.0.0	0.0.0	0.0.0	0.0.0	2.2.0
WROCLAW	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
ZLIN	1.1.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	1.0.0	0.1.0
Total	85.114.0	0.3.0 (0.1.0)	5.6.0	5.6.0	3.11.0	0.0.0	4.4.0	84.123.0

* - new participant

Programme difficulties

Not specified.

Programme recommendations

Attention to welfare of rhinos especially older animals and acquire experience with chondroprotective treatment of joints.

Programme summary

Not specified.

Notes

At Dvur-Kralove 0.1 is a non-breeding hybrid *Ceratotherium s. simum* x *cottoni*.

Black rhinoceros EEP Annual Report 2003



1. Programme information

Black rhinoceros

Diceros bicornis

EEP established in 1985

2. Programme personnel

Species coordinator

DVM Andreas Ochs, Berlin-zoo

EEP studbook keeper

DVM Andreas Ochs, Berlin-zoo

Species Committee members

Dr Dana Holeckova, Dvur-Kralove

Dr Udo Ganslosser, Erlangen University_NE

Mr Nick Lindsay, Whipsnade

Dr Robert Zingg, Zurich

3. Activities

Species Committee

Last election: Over 5 years ago.

Last meeting: 31 May 2000, Paris-zoo.

Conservation activities

Not specified.

Research activities

Not specified.

4. Publications

Studbook

Recent edition: 2000

Next edition: 2005

Husbandry guidelines

Recent edition: 1995. These husbandry guidelines were published in volume 6 of the Black Rhino studbook.

Other publications

Not specified.

5. Status and developments over the year 2003

Please see table on the following page.



Black rhinoceros EEP Annual Report 2003

Black rhinoceros *Diceros bicornis*

Participants	Status 1 Jan.	Births (DNS)	Transfers between EEP zoos		Transfers with non-EEP zoos		Deaths	Status 31 Dec.
			In	Out	In	Out		
BERLIN-ZOO	1.4.0	0.1.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	1.5.0
CHESTER	3.4.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	3.4.0
DORTMUND	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
DVUR-KRALOVE	5.9.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	5.9.0
FRANKFURT	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
HANNOVER	1.3.0	0.0.0 (0.0.0)	0.1.0	0.1.0	0.0.0	0.0.0	0.0.0	1.3.0
KOLN	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
KREFELD	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
LEIPZIG	1.3.0	0.0.0 (0.0.0)	0.0.0	0.1.0	0.0.0	0.0.0	0.0.0	1.2.0
LYMPNE	11.14.0	0.1.0 (0.0.0)	0.0.0	1.0.0	0.0.0	0.0.0	1.0.0	9.15.0
MAGDEBURG	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
PAIGNTON	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
PONT-SCORFF	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
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
WHIPSNADÉ	1.0.0	0.0.0 (0.0.0)	0.1.0	0.0.0	0.0.0	0.0.0	0.0.0	1.1.0
ZURICH	1.3.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.1.0	1.2.0
Total	30.50.0	0.2.0 (0.0.0)	2.2.0	2.2.0	0.0.0	0.0.0	1.1.0	29.51.0

Programme difficulties

- Increased possibility of inbreeding in the future.
- The tendency of institutions wanting to switch from white to black rhinos will lead to a lack of animals.

Programme recommendations

Institutions keeping black rhinos should be reminded to provide facilities for at least three (1.2) animals plus the possibility for separating a sub-adult offspring.

Programme summary

Berlin-zoo had a birth of 0.1.
 Dortmund transferred 1.0 to Krefeld (owned by Zurich).
 Hannover transferred 0.1 to Whipsnade.
 Hannover received 0.1 from Leipzig.
 Krefeld received 1.0 from Dortmund (owned by Zurich)
 Leipzig transferred 0.1 to Hannover.
 Paignton received 1.0 from Lymphne.
 Lymphne transferred 1.0 to Paignton.
 Lymphne had a birth of 0.1
 1.0 death occurred at Lymphne.
 Whipsnade received 0.1 from Hannover.
 0.1 death occurred at Zurich.

The animals at Frankfurt are *Diceros bicornis minor* while all other animals within the table are *Diceros bicornis michaeli*.

Indian rhinoceros EEP Annual Report 2003



1. Programme information

Indian rhinoceros

Rhinoceros unicornis

EEP established in 1990

2. Programme personnel

Species coordinator

Dr Gerry Guldenschuh, Basel

EEP studbook keeper

Dr Gabriele Hlavacek, Basel

Species Committee members

Mr Marjo Hoedemaker, Amersfoort
Dr Friederike von Houwald, Basel
Dr Andreas Ochs, Berlin-zoo
Dr Kristina Tomasova, Dvur-Kralove
Mr Thierry Jardin, Lisieux
Mrs Marleen Huyghe, Mechelen
Dr Marianne Holtkotter, Stuttgart

3. Activities

Species Committee

Last election: 2002

Last meeting: 19 September 2003, Leipzig.

Conservation activities

Not specified.

Research activities

Not specified.

4. Publications

Studbook

Recent edition: 2003

Next edition: 2005

Husbandry guidelines

Recent edition: 2002

Other publications

Not specified.

5. Status and developments over the year 2003

Please see table on the following page.



Indian rhinoceros EEP Annual Report 2003

Indian rhinoceros *Rhinoceros unicornis*

Participants	Status 1 Jan.	Births (DNS)	Transfers between EEP zoos		Transfers with non-EEP zoos		Deaths	Status 31 Dec.
			In	Out	In	Out		
AMERSFOORT	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	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
BERLIN-TIERPARK	1.3.0	0.0.0 (0.0.0)	0.1.0	0.1.0	0.0.0	0.0.0	0.1.0	1.2.0
BERLIN-ZOO	1.1.0	0.0.0 (0.0.0)	0.1.0	0.1.0	0.0.0	0.0.0	0.0.0	1.1.0
DVUR-KRALOVE	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
LISBOA-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
LISIEUX	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
MECHELEN	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
MUNCHEN	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
NURNBERG	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
ROTTERDAM	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
STUTTGART	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
WHIPSDADE	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
Total	15.23.0	0.0.0 (0.0.0)	0.2.0	0.2.0	0.0.0	0.0.0	0.1.0	15.22.0

Programme difficulties

Not specified.

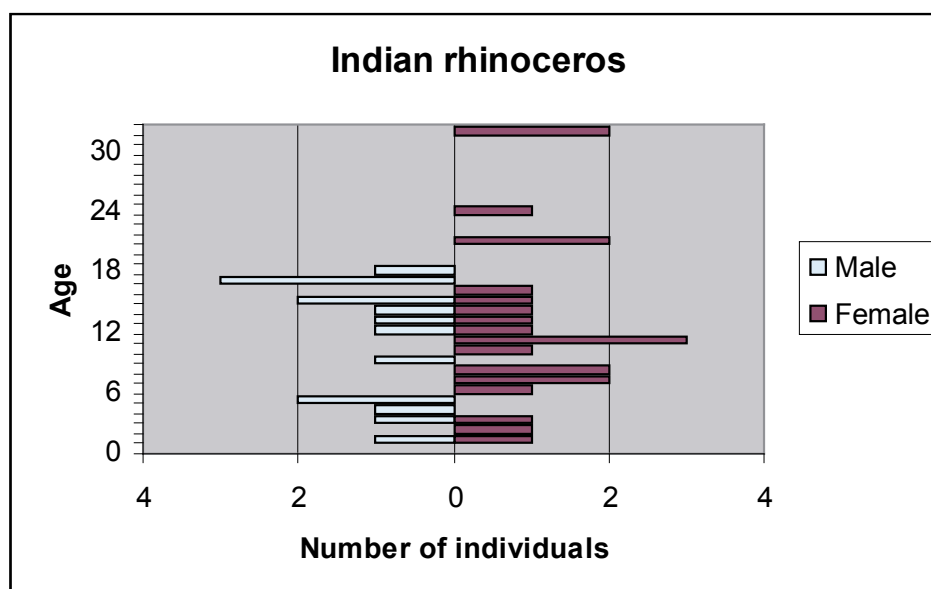
Programme recommendations

Not specified.

Programme summary

Not specified.

Age distribution



Notes

Thanks to Beatrice Steck for providing the annual report for 2003.