

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 Elephant TAG

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EAZA Elephant TAG Annual Report 2007 - 2008



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

TAG chair:	Anton H. Dorresteyn, Rotterdam	directie@rotterdam.nl
TAG vice-chair:	Amelia Terkel, Ramat-gan	amelia@safari.co.il
TAG members:	Rob Belterman (Rotterdam) Harald Schwammer (Wien-zoo) Martin van Wees (Rotterdam)	
Current EEPs:	Asian elephant (<i>Elephas maximus</i>) African elephant (<i>Loxodonta africana</i>)	
Current ESBs:		
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	
Publications:	Not specified.	

2. Information on developments during 2007 - 2008

Not specified.

3. TAG goals for 2009

- Appoint a new coordinator for the African elephant EEP, following to Amelia Terkel stepping down from this position.
- Appoint a new coordinator for the Asian elephant EEP, following to the retirement of Ton Dorresteijn.
- Appoint a new TAG chair following to both Amelia and Ton laying down the chair and vice-chair position in 2009.
- Evaluate the African elephant EEP.



Asian elephant
EEP Annual Report 2007 - 2008



1. Programme information

Asian elephant

Elephas maximus

EEP established in 1991.

Goal(s)

Percentage of gene diversity 90% saved in 100 years.

2. Programme personnel

Species Coordinator

Anton H. Dorresteyn (Rotterdam)

Species Committee members

Marjo Hoedemaker (Amersfoort)

Daniel Sanchez (Benidorm)

Mark Pilgrim (Chester)

Sonja Tortschanoff (Dompierre)

Pierre de Wit (Emmen)

Heiner Engel (Hannover)

Bengt Holst (Kobenhavn-zoo)

Ryszard Topola (Lodz)

Martin van Wees (Rotterdam)

Rob Belterman (Rotterdam)

John Ray (Twycross)

Harald Schwammer (Wien-zoo)

Robert Zingg (Zurich)

Nutritional advisor

Joeke Nijboer (Rotterdam)

Veterinary advisor

Ann-Katrine Oerke (Gottingen_NE)

Thomas Hildebrandt (Org-izw)

Willem Schaftenaar (Rotterdam)



Asian elephant

EEP Annual Report 2007 - 2008



3. Activities

Species Committee

Last election: 2006
Last meeting: 18 September 2008 Antwerpen

Conservation activities

Not specified.

Research activities

Ongoing research related to TB and Herpes.

Publications:

Cracknell J., R. A., Field D., Schaftenaar W., Fickel J., Hildebrandt T.B., Hewitt S. (2007). "Elephant endotheliotropic herpesvirus (EEHV) in the United Kingdom: an update including the development of the national EEHV management programme." *Erkrankungen der Zootiere* 43: 60-63

Kolk, van der J.H. , Leeuwen, J.P.T.M. van, Belt, A.J.M. van den, Schaik, R.H.N. van, Schaftenaar, W. 2008. Subclinical hypocalcaemia in captive Asian elephants (*Elephas maximus*). *The Veterinary Record*, 162, 475 – 479.

Hermes, R., Saragusty, J., Schaftenaar, W., Göritz, F., Schmitt, D.L., Hildebrandt, T.B. 2008. Obstetrics in elephants. *Theriogenology*, 70, 131 – 144.

Reid, C., Schaftenaar, W., Martina, B., Osterhaus, A. 2008. Development of a recombinantbased ELISA for detection of EEHV: an improvement on the peptide based ELISA to increase sensitivity and reproducibility. *Proceedings of the 2008 International Elephant Conservation and Research Symposium, Pattaya, Thailand*, 62.

Schaftenaar, W., Reid, C., Martina, B., Osterhaus, A. 2008. Epithelial lesions in a group of captive Asian elephants (*Elephas maximus*) associated with the endotheliotropic elephant herpes virus. *Proceedings of the 2008 International Elephant Conservation and Research Symposium, Pattaya, Thailand*, 64.

4. Publications

Studbook

Recent edition: 2008
Next edition: 2010

Husbandry guidelines

Published in 2005.

5. Status

Status and developments over the year 2007 - 2008

Asian elephant
Elephas maximus

New	No reply	Participants	Status 1 Jan.	Births (DNS)	EAZA zoos		non-EAZA zoos		Deaths	31. Dec.
					In	Out	In	Out		
		ALMATY	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
		AMERSFOORT	1.4.0	1.0.0 (1.0.0)	1.0.0	1.0.0	0.0.0	0.0.0	0.0.0	1.4.0
		AMIENS	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
		AMSTERDAM	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
		ANTWERPEN	0.4.0	0.0.0 (0.0.0)	1.0.0	1.0.0	0.0.0	0.0.0	0.0.0	0.4.0
		ARNHEM	0.2.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.2.0	0.0.0	0.0.0	0.4.0
		AUGSBURG	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
		BELFAST	0.3.0	0.0.0 (0.0.0)	0.0.0	0.2.0	0.0.0	0.0.0	0.0.0	0.1.0
		BENIDORM	2.11.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	1.0.0	0.1.0	1.10.0
		BERLIN-TIERPARK	3.7.0	0.1.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	3.8.0
		BERLIN-ZOO	1.6.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	1.6.0
		BLACKPOOL	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
		BUDAPEST	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
		CHESTER	3.7.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	3.7.0
		COTTBUS_NE	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
		DOMPIERRE	1.4.0	0.1.0 (0.0.0)	0.0.0	0.1.0	0.0.0	0.0.0	0.0.0	1.4.0
		DRESDEN	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
		DUBLIN	0.3.0	1.1.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	1.4.0
		EMMEN	6.8.0	2.1.1 (0.0.1)	0.0.0	2.0.0	0.0.0	0.0.0	0.0.0	6.9.0
		ESTEPONA	1.2.0	1.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	2.2.0
		GDANSK	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
		GIVSKUD	0.3.0	0.0.0 (0.0.0)	0.1.0	0.0.0	0.0.0	0.0.0	0.1.0	0.3.0
		HAMBURG	2.7.0	1.1.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	3.8.0
		HANNOVER	2.8.0	1.0.0 (0.0.0)	1.0.0	1.0.0	0.0.0	0.0.0	0.0.0	3.8.0
		HEIDELBERG	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
*		IEPER	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
		JERUSALEM	2.4.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	2.4.0
		KALININGRAD_NE	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
		KARLSRUHE	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
		KHARKIV_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
*		KIRIAT-MOTZKIN	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
		KOBENHAVN-ZOO	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
		KOLMARDEN	0.2.0	0.0.0 (0.0.0)	0.1.0	0.0.0	0.0.0	0.0.0	0.0.0	0.3.0
		KOLN	4.9.0	1.1.1 (0.0.1)	0.0.0	0.0.0	0.0.0	2.0.0	0.0.0	3.10.0
		KRAKOW	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
		KREFELD	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
		LEIPZIG	2.6.0	0.0.0 (0.0.0)	1.0.0	0.0.0	0.0.0	0.0.0	0.1.0	3.5.0
		LES-MATHES	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
		LIBEREC	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
		LJUBLJANA	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
		LODZ	0.2.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.1.0	0.1.0
*		LYON	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	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
		MAGDEBURG	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
*		MAUBEUGE_NE	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
*		MIERLO	0.0.0	0.0.0 (0.0.0)	3.0.0	0.0.0	0.0.0	0.0.0	0.0.0	3.0.0
		MOSKVA	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	1.5.0	1.0.0 (1.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	1.5.0
		MUNSTER	1.6.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	1.6.0
		NEUNKIRCHEN	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



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	NURNBERG	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
	OSTRAVA	0.2.0	0.0.0 (0.0.0)	0.2.0	0.0.0	0.0.0	0.0.0	0.0.0	0.4.0
	PAIGNTON	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
*	PALIC	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
	PELISSANE	0.2.0	0.0.0 (0.0.0)	0.0.0	0.1.0	0.0.0	0.0.0	0.0.0	0.1.0
	PERM_NE	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
*	PISTOIA	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
	PLOCK	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
	PONT-SCORFF	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
	PRAHA	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
	RAMAT-GAN	3.5.0	0.0.0 (0.0.0)	0.0.0	0.2.0	0.0.0	1.0.0	0.0.0	2.3.0
	ROMA	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
	ROMANECHE	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	2.4.0	0.0.0 (0.0.0)	1.0.0	2.0.0	1.0.0	0.0.0	0.0.0	2.4.0
	SOFIA_NE	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
	STUTTGART	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
	TWYXCROSS	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
	USTI-NAD-LABEM	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
	WHIPSNADE	2.5.0	1.1.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	3.6.0
	WOBURN	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
	WROCLAW	0.1.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.2.0	0.0.0	0.0.0	0.3.0
*	YEKATERINBUR_NE	0.0.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.1.0	0.0.0	0.0.0	0.1.0
	YEREVAN_NE	1.0.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.1.0	0.0.0	0.1.0	1.0.0
	ZURICH	2.5.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	2.5.0
	Total (74)	58.215.0	10.7.2 (2.0.2)	8.6.0	8.6.0	1.6.0	4.0.0	0.6.0	63.222.0

Summary

Stable population.

Notes

Studbook keeper: Rob Belterman, Rotterdam Zoo



African elephant

EEP Annual Report 2007 - 2008



1. Programme information

African elephant

Loxodonta africana

EEP established in 1993.

Goal(s)

Percentage of gene diversity 90% saved in 100 years.

2. Programme personnel

Species Coordinator

Amelia Terkel (Ramat-gan)

Species Committee members

Antony Tropeano (Colchester)

Achim Winkler (Duisburg)

Lars Versteegen (Hilvarenbeek)

Thomas Kauffels (Kronberg)

Eric Bairrao Ruivo (St-aignan)

Mati Kaal (Tallinn)

Harald Schwammer (Wien-zoo)

Ulrich Schürer (Wuppertal)

Jens Lilleor (Aalborg)

Behavioural advisor

Miranda Stevenson (Fed-biaza)

Bengt Holst (Kobenhavn-zoo)

Harald Schwammer (Wien-zoo)

Nutritional advisor

Mark Pilgrim (Chester)

Heiner Engel (Hannover)

Thomas Hildebrandt (Org-izw)

Joeke Nijboer (Rotterdam)

Martin van Wees (Rotterdam)

Veterinary advisor

Willem Schaftenaar (Rotterdam)

3. Activities

Species Committee

Last election: 2006

Last meeting: 17 September 2008 Antwerpen

Conservation activities

Vienna Zoo:

In situ and ex situ elephant conservation project in Sri Lanka - ASERC (Austrian Sri Lankan Elephant Research and Conservation Project).

www.aserc.org

Research activities

Not specified.

4. Publications

Studbook

Recent edition: 2008

Next edition: 2009

Husbandry guidelines

Published in 2004.

5. Status

Status and developments over the year 2007 - 2008

African elephant
Loxodonta africana

New	No reply	Participants	Status 1 Jan.	Births (DNS)	EAZA zoos		non-EAZA zoos		Deaths	31. Dec.
					In	Out	In	Out		
		AALBORG	1.3.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	1.0.0	0.3.0
		AMNEVILLE	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
		AUGSBURG	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
		BARCELONA-ZOO	0.2.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.1.0	0.1.0
		BASEL	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
		BEKESBOURNE	3.9.0	0.2.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	3.11.0
		BERLIN-TIERPARK	1.7.0	1.1.0 (0.0.0)	0.0.0	0.3.0	0.0.0	0.0.0	0.0.0	2.5.0
		BEWDLEY	2.2.0	0.0.0 (0.0.0)	0.0.0	1.0.0	0.0.0	0.0.0	0.0.0	1.2.0
		BOJNICE	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
		BORAS	1.4.0	1.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	2.4.0
		CABARCENO	3.10.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	1.0.0	2.10.0
		COLCHESTER	3.4.0	1.0.0 (0.0.0)	0.0.0	1.0.0	0.0.0	0.0.0	1.1.0	2.3.0
		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
		DRESDEN	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
		DUISBURG	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
		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
		ERFURT	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
		FASANO_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
		GDANSK	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
		HALLE	1.2.0	0.0.0 (0.0.0)	0.3.0	0.0.0	0.0.0	0.0.0	0.0.0	1.5.0
		HILVARENBEEK	1.5.0	0.0.0 (0.0.0)	0.1.0	0.0.0	0.0.0	0.0.0	0.0.0	1.6.0
		JEREZ-FRONTERA	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	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
*		KRONBERG	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
		LA-FLECHE	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
		LISBOA-ZOO	2.5.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	1.0.0	1.5.0
		LYMPNE	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
		MAGDEBURG	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
		MOSKVA	1.3.0	0.0.0 (0.0.0)	0.0.0	0.2.0	0.0.0	0.0.0	1.1.0	0.0.0
		MYKOLAYIV	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
		NURNBERG	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
		NYIREGYHAZA	2.1.0	1.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	3.1.0
		OSNABRUCK	1.4.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.1.0	1.3.0
		PAIGNTON	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
		PEAUGRES	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
		PORT-ST-PERE_NE	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
		PRESCOT	1.6.0	0.2.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.2.0	1.6.0
		RAMAT-GAN	5.5.0	1.0.0 (0.0.0)	0.0.0	2.0.0	0.0.0	0.0.0	1.2.0	3.3.0
		RHENEN	0.2.0	0.0.0 (0.0.0)	1.0.0	0.0.0	0.0.0	0.0.0	0.0.0	1.2.0
		ROSTOCK	0.2.0	0.0.0 (0.0.0)	0.1.0	0.1.0	0.0.0	0.0.0	0.0.0	0.2.0
		SIGEAN	2.3.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	1.0.0	1.3.0
		ST-AIGNAN	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
		TALLINN	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)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	1.2.0
*		VALENCIA-PARC	0.0.0	0.0.0 (0.0.0)	1.2.0	0.0.0	0.7.0	0.0.0	0.0.0	1.9.0
		VERGEL_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
		WARSZAWA	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
		WIEN-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
		WUPPERTAL	2.5.0	1.1.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	3.6.0
		ZLIN	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



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Total (50)	48.146.0	6.6.0 (0.0.0)	4.8.0	4.8.0	0.7.0	0.0.0	7.10.0	47.149.0
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Summary

Recommendations for Population Sustainability

1. Place all potential breeding bulls in a breeding situation.
2. Exchange breeding bulls that have sired an adequate number of viable offspring in one institution.
3. Place all potential breeding females - especially those under 25 years old - in a breeding situation.
4. Monitor reproductive cycles of all individuals in breeding situations.
5. Encourage development of matriarchal family units including female offspring, and keep these units intact. However, to promote additional stable female groups or prevent young cows from breeding with their fathers, it is acceptable in some cases to move groups of sibling or half-sibling females away from their matriarchal unit.
6. Facilities without a bull that are temporarily sending potential breeding females to be inseminated at another zoo should send whole female groups, or relevant units of a group, to the host zoo.
7. Further development of artificial insemination (AI) techniques should be encouraged; however it should never replace the most important method of reproduction: 'natural' reproduction. AI must be carried out only upon recommendation and approval of the EEP coordinator, just as with any other breeding recommendation.
8. All zoos that rebuild elephant facilities should design new enclosures that can hold at least one bull and four cows. If a zoo is not able to start keeping a bull within a reasonable period of time, the zoo will be considered a non-breeding facility and recommendations for that institution will be to only obtain/house non-reproductive females.
9. Development of facilities for bachelor herds of several adult bulls is urgently needed. Bulls should be kept in bachelor herds when they are temporarily not in a breeding situation or before they reach that stage. Bachelor herd facilities should stimulate relevant social behaviour between the surplus bulls, and serve as a genetic reservoir.
10. While it may be desirable, keeping young elephants in their family group until they reach puberty is often not practical for breeding management. Young elephants should preferably not be transferred out of their family units before they are four to five years of age. A young elephant being transferred should be accompanied by at least one other member of the herd in which it was born.
11. When an animal is transferred, it is recommended that an elephant keeper from the receiving institution spend some time working with the animal at the sending institution first. Additionally, a keeper from the sending institution should accompany the animal to the receiving institution for a suitable period of time when possible.
12. New/renovated enclosures should be constructed to provide flexibility for all management styles in such a way that maximises animal welfare and keeper safety.
13. Close cooperation between regional breeding programs, e.g. exchange of bulls, is vital to the sustainability of elephant populations.
14. Disease has an impact on populations (e.g., TB, EEHV) and further research is needed. Veterinary experts should continue to work on minimizing and managing disease.
15. Dissemination of information (e.g., veterinary, management) is essential for the success of cooperative programmes.
16. All institutions holding elephants should contribute to the conservation of elephant in the wild.

Notes

In 2009 Dr. Amelia Terkel will step down as African elephant EEP coordinator and Dr. Harald Schwammer (Vienna-Zoo) is proposed to take over as EEP coordinator as of then. Thanks to Harald Schwammer for providing the annual report 2007-2008.