

# EAZA Yearbook 2007/2008

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

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## EAZA Marine Mammal TAG

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## EAZA Marine Mammal TAG Annual Report 2007 - 2008



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

<b>TAG chair:</b>	Gerard Meijer, Rhenen	<a href="mailto:gerard.meijer@ouwehand.nl">gerard.meijer@ouwehand.nl</a>
<b>TAG vice-chair:</b>	Mats Amundin, Kolmarden	<a href="mailto:mats.amundin@kolmarden.com">mats.amundin@kolmarden.com</a>
<b>TAG members:</b>	Volker Gatz (Dortmund) Andrew Greenwood (Org-izvg_NE) Maria Krakowiak (Warszawa) John Ray (Twycross) Lorenzo von Fersen (Nurnberg) Olivia Walter (Org-izvg_NE)	
<b>Current EEPs:</b>	Caribbean manatee ( <i>Trichechus manatus</i> ) Bottle-nosed dolphin ( <i>Tursiops truncatus</i> )	
<b>Current ESBs:</b>	South American fur seal ( <i>Arctocephalus australis</i> ) Grey seal ( <i>Halichoerus grypus</i> ) Patagonian sealion ( <i>Otaria byronia</i> ) Californian sealion ( <i>Zalophus californianus</i> )	
<b>TAG meeting:</b>	Date of last meeting: 15 September 2009 Last meeting hosted at Copenhagen Zoo.	
<b>Regional Collection Plan:</b>	Has a RCP been published? No Next edition to be published in 2010.	
<b>Publications:</b>		

### 2. Information on developments during 2007 - 2008

- The husbandry guidelines for pinnipedia and true seals have been updated.
- Draft husbandry guidelines for manatee are developed.

### 3. TAG goals for 2009

- Evaluation of the Bottle-nosed dolphin EEP.
- Evaluation of the Caribbean manatee EEP.
- Assessment and update of the draft husbandry guidelines for bottle-nosed dolphins.



## South American fur seal ESB Annual Report 2007 - 2008



### 1. Programme information

South American fur seal

*Arctocephalus australis*

**ESB established in 1999.**

#### Goal(s)

Percentage of gene diversity 90% saved in 100 years.

### 2. Programme personnel

**European Studbook Keeper**

Volker Gatz (Dortmund)

### 3. Publications

#### Studbook

Recent edition: 2007

Next edition: 2010

#### Husbandry guidelines

Published in 2008.

### 4. Status

#### Status and developments over the year 2007 - 2008

South American fur seal

*Arctocephalus australis*

New	No reply	Participants	Status 1 Jan.	Births (DNS)	EAZA zoos		non-EAZA zoos		Deaths	31. Dec.
					In	Out	In	Out		
		BRISTOL	1.4.0	2.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	3.4.0
		DORTMUND	2.4.0	0.1.0 (0.0.0)	1.0.0	0.0.0	0.0.0	1.0.0	1.1.0	1.4.0
		DUISBURG	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
		DUSSELDORF	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	6.0.0	0.0.0 (0.0.0)	2.0.0	0.0.0	0.0.0	0.0.0	3.0.0	5.0.0
		HAMBURG	2.3.0	1.1.0 (0.0.0)	0.0.0	2.0.0	0.0.0	0.0.0	0.1.0	1.3.0
		LANDAU	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
		LEEWARDEN	1.3.0	0.0.1 (0.0.1)	0.2.0	0.0.0	0.0.0	0.0.0	0.1.0	1.4.0
		PAIGNTON	1.3.0	1.0.0 (0.0.0)	0.0.0	1.1.0	0.0.0	0.0.0	0.0.0	1.2.0
		Total (9)	14.22.0	4.2.1 (0.0.1)	3.2.0	3.2.0	0.0.0	1.0.0	4.4.0	13.20.0

#### Summary

As in previous years, a number of individuals have died because of reasons not yet fully explained, although bacterial infections seem to be at least partly responsible. Fortunately, rearing success was good and therefore the South American fur seal population within the ESB has only slightly decreased within the past 24 months.

One of the main goals for the studbook in the future is still to find additional holders. A second bachelor group would be very beneficial, but also facilities interested in a harem group are needed.



**Patagonian sealion**  
**ESB Annual Report 2007 - 2008**



**1. Programme information**

Patagonian sealion

*Otaria byronia*

**ESB established in 1999.**

**Goal(s)**

Percentage of gene diversity 90% saved in 100 years.

**2. Programme personnel**

**European Studbook Keeper**

Olivia Walter (Twycross)

**3. Publications**

**Studbook**

Recent edition: Not yet published.

Next edition: 2010

**Husbandry guidelines**

Published in 2008.



## Patagonian sealion ESB Annual Report 2007 - 2008



### 4. Status

#### Status and developments over the year 2007 - 2008

Patagonian sealion  
*Otaria byronia*

New	No reply	Participants	Status 1 Jan.	Births (DNS)	EAZA zoos		non-EAZA zoos		Deaths	31. Dec.
					In	Out	In	Out		
		AALBORG	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
*		AMNEVILLE	1.2.0	1.1.0 (1.1.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.1.0	1.1.0
*		BENALMADENA	3.5.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.1.0	0.0.0	3.4.0
*		BEWDLEY	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
		BREMERHAVEN	1.4.0	0.1.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.1.0	1.4.0
*		BUDAPEST	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
*		CALVIA	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
		COLCHESTER	0.5.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	0.5.0
		DEIGNE	4.6.0	1.1.0 (0.1.0)	0.0.0	0.0.0	0.0.0	1.0.0	0.0.0	4.6.0
		DOMPIERRE	0.4.0	0.0.0 (0.0.0)	2.1.0	0.3.0	0.0.0	0.0.0	0.1.0	2.1.0
		DUDLEY	1.3.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.1.0	0.0.0	1.2.0
*		EDINBURGH	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
		EMMEN	3.19.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	3.19.0	0.0.0
		HAMBURG	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
		HEIDELBERG	3.5.0	0.2.0 (0.2.0)	0.3.0	0.0.0	0.0.0	0.0.0	1.4.0	2.4.0
		KRAKOW	1.1.0	0.1.0 (0.0.0)	0.1.0	0.0.0	0.0.0	0.0.0	0.1.0	1.2.0
		KRISTIANSAND	2.2.0	0.0.0 (0.0.0)	0.0.0	0.2.0	0.0.0	0.0.0	2.0.0	0.0.0
		LIBEREC	1.3.0	0.2.0 (0.1.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.1.0	1.3.0
		LISBOA-ZOO	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
		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	2.9.0	1.0.0 (1.0.0)	0.0.0	0.2.0	0.0.0	0.0.0	0.1.0	2.6.0
		MULHOUSE	2.4.0	1.1.0 (0.1.0)	0.0.0	0.1.0	0.0.0	1.0.0	1.0.0	1.3.0
		MUNCHEN	2.6.0	2.2.0 (0.0.0)	1.0.0	3.0.0	0.0.0	0.0.0	0.0.0	2.8.0
*		PISTOIA	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
		PLAISANCE-TOUCH	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
		PONT-SCORFF	2.4.0	1.1.0 (0.0.0)	1.0.0	0.0.0	0.0.0	0.0.0	2.1.0	2.4.0
		ROMANECHE	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
		TWYXCROSS	1.1.0	1.0.0 (1.0.0)	0.1.0	0.0.0	0.0.0	0.0.0	0.1.0	1.1.0
*		VALENCIA-OCEA	7.14.0	4.1.0 (0.0.0)	0.0.0	2.0.0	0.0.0	5.4.0	0.0.0	4.11.0
		WIEN-ZOO	2.7.0	2.0.1 (0.0.1)	0.0.0	1.0.0	0.0.0	0.0.0	0.0.0	3.7.0
		ZLIN	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
		Total (31)	47.118.0	14.14.1 (3.6.1)	7.8.0	7.8.0	0.0.0	7.6.0	10.33.0	41.87.0

#### Summary

Despite 29 births (of which 10 did not survive), the population has decreased over 2007 and 2008. This is mainly due to outbreaks of sealion TB at several collections and the transfer of 13 animals to non EAZA zoos (though not necessarily out of the programme).

Sealion TB remains a serious issue for this population.

#### Notes

Beata Kuznair (Krakow Zoo) helped by the new studbook keeper from 2009 (Olivia Walter c/o Twycross Zoo) has made a concerted effort to track down many of the Patagonian sealions in Europe. The result of this and an increase in EAZA membership, has resulted in a marked increase in the number of holders.

Non EAZA members are not included in this report however their data is being kept in the SPARKS dataset.



**Californian sealion**  
**ESB Annual Report 2007 - 2008**



**1. Programme information**

Californian sealion

*Zalophus californianus*

**ESB established in 1993.**

**Goal(s)**

Percentage of gene diversity 90% saved in 100 years.

Target population size A= 400 and B= 400

**2. Programme personnel**

**European Studbook Keeper**

Gerard Meijer (Rhenen)

**3. Publications**

**Studbook**

Recent edition: 2008

Next edition: 2010

**Husbandry guidelines**

Published in 2007.

#### 4. Status

##### Status and developments over the year 2007 - 2008

Californian sealion  
*Zalophus californianus*

New	No reply	Participants	Status 1 Jan.	Births (DNS)	EAZA zoos		non-EAZA zoos		Deaths	31. Dec.
					In	Out	In	Out		
		ALBUFEIRA	3.3.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	1.2.0	0.0.0	2.1.0
		AMIENS	2.2.0	1.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	1.0.0	0.0.0	2.2.0
		AMSTERDAM	2.3.0	0.1.0 (0.0.0)	0.0.0	1.0.0	0.0.0	0.0.0	0.1.0	1.3.0
		ANTWERPEN	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
		BARCELONA-ZOO	2.4.0	1.2.0 (0.0.0)	0.0.0	0.0.0	0.0.0	1.2.0	0.0.0	2.4.0
		BASEL	2.5.0	1.1.0 (0.0.0)	0.0.0	1.1.0	0.0.0	1.1.0	0.0.0	1.4.0
		BELFAST	3.5.0	2.1.0 (0.0.0)	1.0.0	1.0.0	0.0.0	0.0.0	0.0.0	5.6.0
		BERLIN-ZOO	1.7.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	1.7.0
*		BEWDLEY	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
		BLACKPOOL	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
		BOULOGNE-MER	5.0.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	5.0.0
		BUDAPEST	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
		CHESSINGTON	5.3.0	0.0.0 (0.0.0)	1.0.0	0.0.0	0.0.0	0.0.0	0.0.0	6.3.0
		CHESTER	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
		COLWYN-BAY	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
		DORTMUND	0.3.0	0.0.0 (0.0.0)	1.0.0	0.0.0	0.0.0	0.0.0	0.0.0	1.3.0
		DUBLIN	1.3.0	0.1.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.1.0	1.3.0
		DUISBURG	3.6.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	3.6.0
		EDINBURGH	1.2.0	0.0.0 (0.0.0)	0.0.0	0.2.0	0.0.0	0.0.0	1.0.0	0.0.0
*		EMMEN	0.0.0	0.0.0 (0.0.0)	1.6.0	0.0.0	1.0.0	0.0.0	0.0.0	2.6.0
		GELSENKIRCHEN	10.7.0	1.2.0 (0.0.0)	0.1.0	1.0.0	0.0.0	2.0.0	0.2.0	8.8.0
		HANNOVER	1.4.0	0.0.0 (0.0.0)	0.1.0	1.0.0	0.0.0	0.0.0	0.0.0	0.5.0
		HARDERWIJK	1.9.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.1.0	1.8.0
		KARLSRUHE	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
		KOBENHAVN-ZOO	1.5.0	0.1.0 (0.0.0)	0.0.0	0.1.0	0.0.0	0.0.0	1.0.0	0.5.0
		KOLN	1.5.0	0.1.0 (0.0.0)	1.0.0	1.0.0	0.0.0	0.0.0	0.0.0	1.6.0
		KREFELD	3.3.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	3.3.0
		LA-FLECHE	4.0.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	4.0.0
		LES-MATHES	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
		LISBOA-ZOO	7.6.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	7.6.0
		MADRID-FAUNIA	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	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
		MOSKVA	1.7.0	0.0.0 (0.0.0)	1.0.0	0.0.0	0.0.0	0.0.0	0.0.0	2.7.0
		MUNCHEN	2.8.0	3.3.0 (2.0.0)	0.0.0	0.0.0	0.0.0	1.1.0	2.1.0	0.9.0
		NURNBERG	7.18.0	0.3.0 (0.0.0)	0.0.0	0.3.0	0.0.0	0.1.0	0.0.0	7.17.0
		ODENSE	2.2.1	0.1.1 (0.1.1)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	2.2.1
*		OPOLE	0.2.0	0.0.0 (0.0.0)	1.1.0	0.0.0	0.0.0	0.0.0	0.0.0	1.3.0
		OSNABRUCK	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
		PEAUGRES	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
		RHENEN	1.8.0	0.0.0 (0.0.0)	0.0.0	0.1.0	0.0.0	0.0.0	0.0.0	1.7.0
		ROTTERDAM	2.8.0	2.0.0 (1.0.0)	0.0.0	0.0.0	0.0.0	1.1.0	0.0.0	2.7.0
		ST-AIGNAN	3.5.0	1.2.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	4.7.0
		STUTTART	2.7.0	0.0.0 (0.0.0)	1.0.0	0.0.0	0.0.0	1.0.0	1.0.0	1.7.0
		USTI-NAD-LABEM	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
		WARMINSTER	5.6.0	2.2.0 (0.0.0)	0.0.0	1.0.0	0.0.0	1.0.0	0.0.0	5.8.0
		WHIPSNADE	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
		WOBURN	2.7.0	0.0.0 (0.0.0)	0.0.0	2.2.0	0.0.0	0.0.0	0.0.0	0.5.0
		WUPPERTAL	1.4.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0
		ZAGREB	1.1.0	2.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	3.1.0
		Total (49)	109.204.1	17.22.1 (3.1.1)	9.10.0	9.10.0	1.0.0	10.8.0	5.7.0	108.206.1



## Californian sealion ESB Annual Report 2007 - 2008



### Discrepancy notes

Californian sealion

*Zalophus californianus*

ALBUFEIRA	The status on 1 January 2007 is 3.3.0 instead of 4.3.0 as listed on 31 December 2006.
AMSTERDAM	The status on 1 January 2007 is 2.3.0 instead of 3.2.0 as listed on 31 December 2006.
BARCELONA-ZOO	The status on 1 January 2007 is 1.2.0 instead of 3.6.0 as listed on 31 December 2006.
OPOLE	The status on 1 January 2007 is 0.2.0 instead of 0.0.0 as listed on 31 December 2006.
STUTTART	The status on 1 January 2007 is 2.7.0 instead of 4.6.0 as listed on 31 December 2006.

### Summary

The Californian sealion ESB is doing well. The population as well as the number of holders are still growing slowly each year. There is a slight problem with surplus males, but so far programme has been able to place most males in non-EAZA institutions.



# Grey seal

## ESB Annual Report 2007 - 2008



### 1. Programme information

Grey seal

*Halichoerus grypus*

**ESB established in 2000.**

#### 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: 2004

Next edition: 2009

#### Husbandry guidelines

Not yet published.

### 4. Status

#### Status and developments over the year 2007 - 2008

Grey seal

*Halichoerus grypus*

New	No reply	Participants	Status 1 Jan.	Births (DNS)	EAZA zoos		non-EAZA zoos		Deaths	31. Dec.
					In	Out	In	Out		
		ALBUFEIRA	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
		BORAS	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
		CHOMUTOV	1.3.0	1.1.0 (0.1.0)	0.0.0	0.0.0	0.0.0	0.0.0	1.0.0	1.3.0
		GDANSK	1.3.0	1.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	2.3.0
		HARDERWIJK	2.4.0	0.1.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	1.0.0	1.5.0
		HELSINKI	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
		HOOR	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
		KALININGRAD_NE	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
		KAUNAS	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
		KOLMARDEN	3.2.0	3.0.0 (1.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	4.0.0	1.2.0
		LYCKSELE	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
		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	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
		PARIS-ZOO	0.3.0	0.0.0 (0.0.0)	0.0.0	0.3.0	0.0.0	0.0.0	0.0.0	0.0.0
		PLOCK	1.1.0	1.0.0 (1.0.0)	0.0.0	0.0.0	0.2.0	0.0.0	0.0.0	1.3.0
		RIGA	1.1.0	1.0.0 (0.0.0)	0.0.0	0.0.0	10.1.1	8.0.0	3.1.1	1.1.0
		ROMA	1.0.0	0.0.0 (0.0.0)	0.3.0	0.0.0	0.0.0	0.0.0	0.1.0	1.2.0
		STOCKHOLM-ZOO	3.3.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	1.0.0	2.3.0
		TALLINN	2.2.0	1.2.0 (1.2.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	2.2.0
		WARSAWA	1.3.0	2.2.0 (0.1.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	3.4.0
		ZAGREB	1.1.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.1.0	1.0.0
		Total (21)	26.45.0	10.6.0 (3.4.0)	0.3.0	0.3.0	10.3.1	8.0.0	10.4.1	25.46.0
		Non-EAZA Institutions (14)	20.35.0	6.6.0 (0.0.0)	0.0.0	0.0.0	4.7.0	6.9.0	2.2.0	22.37.0



## Grey seal

### ESB Annual Report 2007 - 2008



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#### Summary

##### Summary for 2007:

- One new holder (non-EAZA): Oceanarium "Planeta Neptun" Sint Petersburg – received 1,1 from Klaipeda and 0,1 from the wild.
- Two holders ceased the species from their collection (both non-EAZA): Monchengladbach (last animal died) and Forsmark (sent remaining 0.2 to Plock Zoo).

##### Summary for 2008:

- One new holder (non-EAZA): Marineland Antibes/France.
- One participant resigned (EAZA): Paris Zoo sent the last 0.3 animals to Rome.



# Bottle-nosed dolphin

## EEP Annual Report 2007 - 2008



### 1. Programme information

Bottle-nosed dolphin

*Tursiops truncatus*

**EEP established in 1994.**

#### Goal(s)

Percentage of gene diversity 90% saved in 100 years.

Target population size A= 300 and B= 300

#### Additional comments

A large proportion of the founder animals are getting old; and several of potential founder animals as well. It is urgent to make the latter reproduce.

### 2. Programme personnel

#### Species Coordinator

Mats Amundin (Kolmarden)

#### Species Committee members

Élio Vicente (Albufeira)

Pedro Roberto Lavia (Albufeira)

Tania Monreal Pawlowsky (Barcelona-zoo)

Kerstin Jurczynski (Duisburg)

Claudia Gili (Genova)

Niels van Elk (Harderwijk)

Arlete Sorgorb (Lisboa-zoo)

Miguel Bueno Brinkmann (Madrid-zoo)

Frank den Herder (Munster-aqua\_NE)

Birgitta Mercera (Non-eaza institutions)

Daniele Zanzi (Non-eaza institutions)

Pedro Magalhaes (Non-eaza institutions)

Dag Enke (Nurnberg)

Julia Scharpegge (Puerto-cruz)

Massimo Muccini (Rimini\_ne )

Timo Rahunen (Tampere\_NE)

#### Veterinary advisor

Manuel Garcia Hartmann (Antibes\_NE)

Andrew Greenwood (Org-izvg\_NE)

Jim McBain (San-diego-sw\_NE)

### 3. Activities

#### Species Committee

Last election: No election ever held.

Last meeting: 14 September 2008 Antwerpen

#### Conservation activities

Not specified.

#### Research activities

Ongoing research on:

- Neonate mortality - consorted effort by many institutions;

- Reproduction (AI) - Zoomarine, Harderwijk, Genova;

- Behaviour (dolphin personalities; social behaviour) - Parc Asterix, Fabienne Delfour;

- ELVIS acoustic touch screen (bioacoustics, cognitive studies)- Kolmarden, Lund Technical University, Sweden.

#### 4. Publications

##### Studbook

Recent edition: 2007

Next edition: 2009

##### Husbandry guidelines

Published in 2008.

#### 5. Status

##### Status and developments over the year 2007 - 2008

Bottle-nosed dolphin

*Tursiops truncatus*

New	No reply	Participants	Status 1 Jan.	Births (DNS)	EAZA zoos		non-EAZA zoos		Deaths	31. Dec.
					In	Out	In	Out		
*		ADEJE_NE	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
		ALBUFEIRA	9.4.0	1.0.0 (0.0.0)	0.3.0	0.0.0	0.0.0	0.0.0	1.0.0	9.7.0
		ANTIBES_NE	4.6.0	0.1.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	4.7.0
		BARCELONA-ZOO	4.3.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.0.0	4.3.0
		BENALMADENA	2.2.0	0.0.0 (0.0.0)	2.1.0	2.0.0	2.0.0	0.0.0	2.2.0	2.1.0
*		BRUGGE_NE	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
		CALVIA	1.3.0	0.0.0 (0.0.0)	0.3.0	0.2.0	0.0.0	0.0.0	0.1.0	1.3.0
		DUISBURG	1.3.0	1.3.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	1.1.0	1.5.0
		GENOVA	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
		HARDERWIJK	13.9.0	1.1.1 (0.0.0)	3.7.0	2.4.0	0.0.0	3.2.0	0.0.1	12.11.0
		KOLMARDEN	1.6.0	2.0.0 (0.0.0)	1.0.0	0.0.0	0.0.0	0.0.0	2.0.0	2.6.0
		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
		MADRID-ZOO	1.4.0	0.1.0 (0.0.0)	2.0.0	2.0.0	0.1.0	0.0.0	0.1.0	1.5.0
		MUNSTER-AQUA_NE	2.0.0	0.0.0 (0.0.0)	3.0.0	1.0.0	0.0.0	0.0.0	0.0.0	4.0.0
		NURNBERG	2.4.0	0.2.0 (0.0.0)	0.0.0	0.3.0	2.0.0	0.0.0	0.2.0	4.1.0
		PALAFOLLS_NE	2.2.0	0.1.0 (0.0.0)	0.2.0	0.3.0	0.0.0	0.0.0	0.1.0	2.1.0
		PLAILLY_NE	2.5.0	0.0.0 (0.0.0)	2.4.0	2.4.0	0.0.0	0.0.0	0.1.0	2.4.0
		PUERTO-CRUZ	3.6.0	1.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	1.0.0	3.6.0
		RICCIONE_NE	6.5.0	2.2.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	3.3.0	5.4.0
		TAMPERE_NE	3.2.0	0.1.1 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.1.1	3.2.0
		TARRAGONE_NE	1.2.0	0.0.2 (0.0.0)	0.2.0	0.2.0	0.0.0	0.0.0	0.1.2	1.1.0
		TORVAJANICA	3.5.0	0.0.0 (0.0.0)	0.0.0	0.3.0	0.0.0	0.0.0	0.0.0	3.2.0
		VALENCIA-OCEA	10.10.0	1.3.1 (0.0.0)	0.2.0	0.2.0	0.0.0	0.0.0	1.4.1	10.9.0
		Total (23)	72.86.0	9.15.5 (0.0.0)	13.24.0	9.23.0	4.1.0	3.2.0	11.19.5	75.82.0

##### Summary

The neonatal mortality remains a serious problem for the whole European bottle-nosed dolphin (BD) population, even though the last couple of years show some improvements. The causes for this mortality are still unknown, in spite of continuous, broad and deep-probing necropsies.

Programme recommendations: Since the problem with neonate mortality remains, it is recommended to continue a broad approach to the study of reproduction, in order to reveal the critical factors for survival. A large international workshop with emphasis on the reproduction of bottle-nosed dolphins in Europe was held at Parc Asterix, Paris, in October, 2005. This was a follow up of a similar workshop held in San Diego in 1999. All institutions are urged to prioritise breeding.

For many years, the management and redistribution of surplus young males has been discussed. The establishment of all male groups is a possible management option. Three such groups exists (Harderwijk - Netherlands, Zoomarine/Albufeira - Portugal, and Münster - Germany) and the establishment and maintenance of these and new such groups should be further studied. The involvement of these males in reproduction can be arranged by means of AI; thereby the group dynamics need not be disturbed by removing or adding males in connection with breeding.

Considerable progress has been achieved in the development of AI for odontocetes. Three EEP institutions so far are involved in this work with the bottlenose dolphin: Genova, Zoomarine/Albufeira, Harderwijk, and several other institutions have expressed interest to be involved. The birth of the



## Bottle-nosed dolphin

### EEP Annual Report 2007 - 2008



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first AI calf in Europe occurred ≤2007.

A space survey was initiated in 2008 and will be finalised in 2009.

#### Notes

The studbook is being converted to SPARKS. It will be ready and presented as a complete studbook for the participants in 2009.

So far approximately 2/3 of the bottle-nosed dolphin holders in Europe are members of this EEP (14 EAZA and 7 non-EAZA institutions). It is the clear strategy of this program to involve, if possible and pending approval by the EEP Committee, all holders in the programme in order to secure the long term management of the species.



# Caribbean manatee

## EEP Annual Report 2007 - 2008



### 1. Programme information

Caribbean manatee

*Trichechus manatus*

**EEP established in 2002.**

#### Goal(s)

Percentage of gene diversity 90% saved in 100 years.

### 2. Programme personnel

#### Species Coordinator

Lorenzo von Fersen (Nurnberg)

#### Species Committee members

Claus Pohle (Berlin-tierpark)

Bjarne Klausen (Odense)

Ole Sommer Bach (Randers)

Francoise Delord (St-aignan)

### 3. Activities

#### Species Committee

Last election: No election ever held.

Last meeting: 17 September 2008 Antwerpen

#### Conservation activities

Not specified.

#### Research activities

A genetic study was carried out in cooperation with the Technische Universität München, Germany - Prof. Ralph Kühn.

### 4. Publications

#### Studbook

Recent edition: 2008

Next edition: 2010

#### Husbandry guidelines

Not yet published.

### 5. Status

#### Status and developments over the year 2007 - 2008

Caribbean manatee

*Trichechus manatus*

New	No reply	Participants	Status 1 Jan.	Births (DNS)	EAZA zoos		non-EAZA zoos		Deaths	31. Dec.
					In	Out	In	Out		
*		ALBUFEIRA	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
		ARNHEM	2.2.0	0.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.1.0	2.1.0
		BERLIN-TIERPARK	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
*		MADRID-FAUNIA	0.0.0	0.0.0 (0.0.0)	0.0.0	0.0.0	1.1.0	0.0.0	0.0.0	1.1.0
		NURNBERG	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
		ODENSE	2.2.0	0.2.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	0.1.0	2.3.0
		RANDERS	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
		ST-AIGNAN	3.2.0	1.0.0 (0.0.0)	0.0.0	0.0.0	0.0.0	0.0.0	1.0.0	3.2.0
		Total (8)	13.11.0	1.2.0 (0.0.0)	0.0.0	0.0.0	1.1.0	0.0.0	1.2.0	14.12.0



## Caribbean manatee

### EEP Annual Report 2007 - 2008



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#### Summary

Three animals were born during the reporting period. One male at Beauval (FR) and two females at Randers (DK). Imports from other regions are needed to maintain the population in European zoos. Initial contacts to this extend with sanctuaries in South America have been made.

#### Notes

DNA study in cooperation with the Technische Universität München, Germany - Prof. Ralph Kühn