Situation of large carnivores in the Alps

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KORA – Coordinated Research Projects for the Conservation and Management of Carnivores

Situation of large carnivores in the Alps

1. Situation of brown bear, lynx and wolf in the Alps

2. Outlook and challenges: What do we have to expect?

3. Scientific programmes, organisation and cooperation



4. Sources of information and references



Brown bear – status and distribution











Lynx – status and distribution



Distribution of confirmed lynx signs of presence 2005-2007 in the Alps

Estimated resident lynx:

France	15
Italy:	10-15
Switzerland	50-80
Liechtenstein	0-1
Germany	0
Austria	5-10
Slovenia	4-8
Alps	80-130





Wolf – status and distribution



Wolf Online Information System for Europe **Distribution 2005** http://www.kora.ch/sp-ois

Estimated wolves 2005:

Alps	114-183
Switzerland	3
Italy:	~50
France	61-130



Outlook and challenges: What do we have to expect?

2. Outlook





2. Outlook

3. Programmes

4. References



Situation:

- Favourable ecological conditions (habitat, prey abundance)
- High fragmentation (local clusters, subpopulations)

Conflicts:

- Competition to hunters
- Losses in free-ranging livestock
- Fear of people

Challenges:

- Wildlife management (harvest vs forestry) not adapted to LC presence
- Countries/regions with different priorities

Question:

How can we maintain viable populations with an accepted level of local abundance?

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1. Situation	2. Outlook	3. Programmes	4. References









1. Situation	2. Outlook	3. Programmes	4. References

Coexistence is...



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2. Outlook

3. Programmes



1. Situation	2. Outlook
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Population peak: ~2.6 indep. lx/100 km²

Illegal killings: ≥2.0 indep. lx/100 km²

Population minimum: ~0.9 - 1.1 indep. lx/100 km²





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Coexistence with large carnivores:

- There is no general consensus in our society about the acceptance of large carnivores
- Disagreement between interest groups reflect underlying conflicts and differences in value system
- Compromise: Viable (meta)populations with "low" local abundance
- Consistent management of LC populations over a large area (metapopulation)
- Consensus and cooperation between countries and regions

Guidelines for Population Level Management Plans for Large Carnivores



Prepared by Large Carnivore Initiative for Europe c/o Istituto di Ecologia Applicata, May 2007 Via Cremona 71 – IT 00161 Rome

Final Draft 7th May 2007

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A possible way for	orward						
• Populations sho	ould <i>in principle</i> be allo	wed to expand over al	l suitable habitats.				
 Limitation of expansion/abundance is possible if minimum requirements are fulfilled (viability, "favourable conservation status"). 							
 Limits(abundan agriculture, local 	ce, expansion) need to al acceptance).	o consider conflicts of l	and use (hunting,				

• Fulfilment of minimum requirements is easier on (meta)population level than on country level.



- Countries with shared populations share also responsibility and...
- ...allow merging of isolated populations,
- ...avoid development of "black holes",
- ...prevent (per country) drop below threshold of viability ("favourable conservation status").



Scientific programmes, organisations and cooperation

Alpine large carnivore working groups







Coordinator:	Anja Molinari-Jobin
Italy:	Paolo Molinari
France:	Eric Marboutin
Switzerland:	Urs & Christine Breitenmoser
Germany:	Manfred Wölfl, Sybille Wölfl
Liechtenstein:	Michael Fasel
Austria:	Thomas Huber, Christian Fuxjäger
Slovenia:	Iztok Koren, Ivan Kos, Mateja Blažič

Alpine Wolf Workshop

1st AWW – Briançon, France, 5-6 November 2001
2nd AWW – Boudevilliers, Switzerland, 17–18 March 2003
3rd AWW – Entracque, Italy, july 2004
4th AWW – St. Martin de Vesubie, France, November 2005
5th AWW – La Fouly, Switzerland, 2–3 October 2007

Brown Bear in the Alps

I° International Workshop, Trento, Italy, July 2006 II° International Workshop, Chur (CH), 4–5 September 2006 III ° International Workshop, Triesenberg (FL) 14–16 Mai 2007 IV° International Workshop, Munich, Germany, 28–30 April 2008

ightarrow Platform large mammals in the Alps "Wildlife and Society"



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1. Situation		2. Outlook	3. Programmes	4. References
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Alps	National monitoring	g programmes		
Brow	ın bear:			M M J Y
I	PACOBACE (AP brow	vn bear C-E Alps)	P. Genovesi (INFS), C. Groff (Trento	o) 3 years
СН	Projekt Bär (Coexist	ence)	P. Molinari/KORA	2005-2009
СН	Bärenprojekt URSIN	A	J. Schönenberger/WWF Schweiz	
SLO	LIFE Co-op project: ment of an Alpine b	Principles for the establish- rown bear metapopulation	M. Jonozovič, SLO Forest Service K. Jerina, Biotech. Fac./Forest Dpt	01.01.2005- . 31.12.2005
SLO	Interreg III a/Phare	CBC Italy-Slovenia	M. Jonozovič, K. Jerina	2002-2007
Α	Schutz und Manage Österreich (LIFE2002	ement des Braunbären in 2NAT/A/8519REV)	WWF Österreich <u>http://www.wwf.at/de/braunbaer</u>	2002-2005
Wolf	:			
I	Progetto Lupo Pierr	nonte	F. Marucco	1999 ongoing







http://www.kora.ch/sp-ois/



2. Outlook

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