

gypaète barbu



Life GypHelp



**20 years of Bearded Vulture in Italy
after the extinction**

**Action plan to reduce poisoning and intoxication
risks for large raptors, the bearded vulture in
particular**

Update from lead free ammunition tests

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Life GypHelp



La Région
Auvergne-Rhône-Alpes

haute
savoie
le Département

ENEDIS
L'ÉLECTRICITÉ EN RESEAU

Rte



French action plan to protect the Bearded Vulture (PNA) 2010 – 2019

Life GypHelp: conservation of the population of the French Alps by the implementation of PNA actions 2014 - 2018



- ➡ securing the increase of the population of Bearded Vultures in the project area
- ➡ reducing the anthropogenic mortality risks in the project area

➡ ***1 principal axis: reduce of poisoning and intoxication risks***

Elaboration of an action plan to reduce poisoning and intoxication risks for large raptors, ***the bearded vulture in particular***

➡ ***taking into account the results and recommendations from the following actions***

- **Evaluation report on the illegal use of poison in nature and anti-poison activities within the project area** (action A4)
- **International saturnism symposium in Annecy 2015** (action A5)
- **Saturnism study** (action A6) « *Identification of lead sources in the study area and evaluation of lead poisoning risks for large raptors, bearded vultures in particular, in the LIFE GypHelp project study area* »
- **Poisoning case analysis data collected throughout the project** (action D3)

➡ **These measures will be readopted and integrated then into the bearded vulture national action plan after 2019.**

One action already in progress

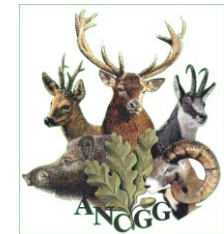


Test of lead free ammunition piloted by the hunting federation of Haute-Savoie *in shooting range and under field conditions*



Objectives: Evaluation of the efficiency of alternative ammunition types and the possibility for hunters to converse to those within the LIFE GypHelp project area, notably in Haute-Savoie

- Shooting range: 2017/2018 *in progress*
 - collaboration with the national association of big game hunters (ANCGG) and their departmental branch (ASDCGG)
- Under field conditions: 2 hunting seasons 2017/2018 et 2018/2019 *in progress*
 - evaluation of satisfaction following a scientifically validated method (Gremse 2015)
 - accompanied by a German ballistic expert (*elaboration of test protocol, fire protocol and analyses to evaluate satisfaction*)



Lead free ammunition test in **shooting range of Arcebuse de Douvaine (74)**

- **Objective: proposition of well adapted alternative ammunition types for big game hunting in mountain ranges!**
 - ✓ Verification of the efficiency of lead-free ammunition for the hunt of big game in mountain ranges
 - ✓ Verification of the absence of mechanic and ballistic disorders of lead-free ammunition with arms used at present for the hunt of big game in mountain ranges

Action C5 : Test of lead-free ammunition piloted by the hunting federation of Haute-Savoie

- Collaboration between hunting federation 74 and the departmental branch of the national association of big game hunters
- Test of several lead free ammunition brands (**GMX & Remington Copper Solid**) and 5 different calibers: **270 W, 7x64, 7 RM, 30.06, 300 WM**



- A fire protocol was designed for the shooting range in order to allow a most objective evaluation under shooting range conditions
- Communication of results before summer 2018



Sensibilisation campaign for hunters in mountain areas where the bearded vulture is present for the test and use of lead-free ammunition!!!


Action C5 : Test of lead-free ammunition piloted by the hunting federation of Haute-Savoie

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Motivated team at the shooting
range of Arcebuse de Douvaine (74)



					
Fiche réglage (balles sans plomb) - Stand de tir					
Informations balistiques : Calibre : _____ Type de balle : _____ Poids : _____ Marque : _____ Type d'arme : <input type="radio"/> A bascule (type : _____) <input type="radio"/> Semi-automatique <input type="radio"/> A verrou Marque : _____ Long. Canon : _____ mm				Munitions rechargées : <input type="radio"/> Oui <input type="radio"/> Non <input type="checkbox"/> Par vous-même <input type="checkbox"/> Par un autre Vo : _____	
Distances de tir		Nombre de balles utilisées pour parvenir au réglage optimum		Stand de tir :	
< 50 m	013	< 5	075	_____	
51 – 100 m	014	5 - 10	076	_____	
101 – 150 m	015	11 - 20	077	_____	
151 – 200 m	016	21-30	078	_____	
201 – 250 m	017	>30	079	_____	
>250 m : _____ m	018			_____	
Problèmes rencontrés : _____					
Comportement de la balle : <input type="radio"/> Très bon <input type="radio"/> Bon <input type="radio"/> Satisfaisant <input type="radio"/> Mauvais <input type="radio"/> Très mauvais					
Entretien de l'arme en fin de séance : <input type="radio"/> Oui <input type="radio"/> Non					
Raisons : _____					
Coût supplémentaire par rapport à une munition traditionnelle : <input type="radio"/> Oui <input type="radio"/> Non					
Estimation de la différence : _____ €					
Appréciation générale : _____					
Rapport qualité/prix des balles : <input type="radio"/> Satisfaisant <input type="radio"/> Non satisfaisant					
Nom : _____			Téléphone : _____		
Société de chasse : _____			Date du tir : _____		

Etude de l'effet létal des balles sans plomb – période 2016 à 2018 – Action C5 Life13 Nat/FR/000093 Gyp'Help
Fédération Départementale des Chasseurs de Haute Savoie – Association Nationale des Chasseurs de Grand Gibier – Association Sportive Départementale des Chasseurs de Grand Gibier de Haute Savoie – Gremse Wildlife Studies & Management (De)

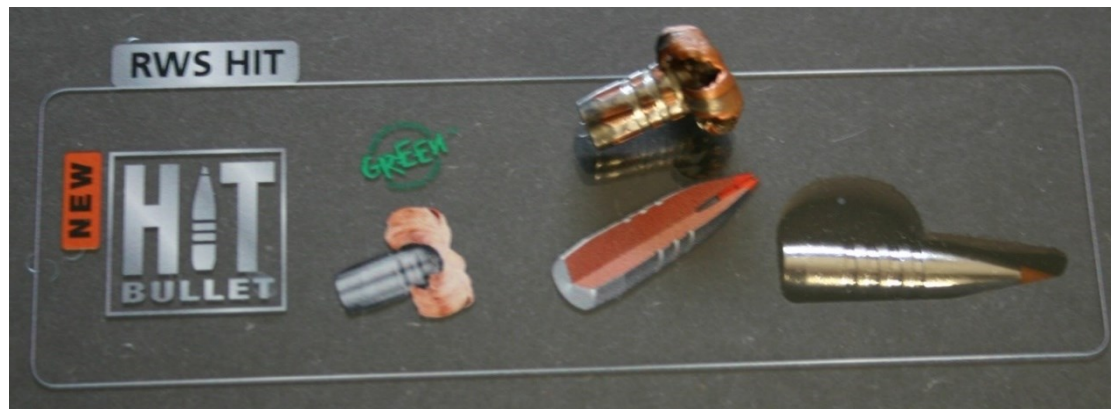
First results:

- **Good efficiency** when used with magnum calibers (powerful calibers)
- **Poor efficiency** with a particular caliber (7x64)
- **Potential security risk** for hunters, dogs or game in driven hunting due to *rebound effects*



Example RWS Hit:

- Lead free bullet
- Mass constant
- Non fragmenting



Lead free ammunition test under field conditions in mountain ranges of Haute-Savoie

- ✓ Hunting area: **mountain range** of Haute-Savoie (above 1500m altitude)
- ✓ Number of participants: **14**
difficulty → still trying to increase the number to allow a highest possible number of fire protocols
- ✓ 5 calibers tested: **270 W, 270 WSM, 7x64, 7 RM et 300 WM** (*most frequently used following the results of local investigation 2016*)
- ✓ Brand of tested lead-free ammunition: **RWS** – *special price negotiation*
- ✓ Price: **28% less than ordinary lead ammunition** = same price premium ammunition

One fire protocol per bullet

Analyses allow



**Evaluation of hunters satisfaction
of a hunting event with a lead free
ammunition type in the most
objective way**

GRILLE DE TIR (Balles sans plomb)

Informations balistiques :
Calibre : _____ Type de balle : _____ Poids : _____
Marque : _____
Type d'arme : ☐ A bascule (type : _____)
☐ Semi-automatique ☐ A verrou
Marque : _____ Long. Canon : _____ mm

Nom : _____
Téléphone : _____
Société de chasse : _____
Lieu du tir : ☐ Alpagnes/rochers ☐ Forêt
Altitude : _____
Date du tir : _____

X POINT D'IMPACT
O SORTIE

Positionnez et indiquez la direction de l'angle de tir par une flèche

Espèce tirée : ☐ Chevreuil 001 ☐ Cerf 002 ☐ Sanglier 003 ☐ Chamois 004 ☐ Mouflon 006 Sexe ☐ Femelle ☐ Mâle

Mode de Chasse : ☐ Chasse en battue ☐ Chasse à l'affût ☐ Chasse à l'approche ☐ Autre : _____

Poids après éviscération	Distance de tir	Distance de fuite	Organes touchés	Nombre de balles :
< ou = 10 kg 007	< 50 m 013	resté sur place 019	Coeur 038	Tirées : _____ Atteint : _____
11-20 kg 008	51 – 100 m 014	< 15 m 020	poumon 039	
21-45 kg 009	101 – 150 m 015	16 – 40 m 021	Intestin 043	
46 - 75 kg 010	151 – 200 m 016	41 – 75 m 022	Pansee 042	
76 – 120 kg 011	201 – 250 m 017	76 – 150 m 023	Foie 040	
>120 kg 012	>250 m 018	>150 m 024	Os 070	

Sortie de balle (environ)	Etat de la venaison	Comportement de l'animal avant le tir	Comportement de l'animal après le tir, si touché
aucune 025	bon 047	Calmé 050	Pas de réaction 055
< 20 mm 026	satisfaisant 048	Fuyant 051	Marque le coup 056
21-35 mm 027	insatisfaisant 049	Stressé/Alarmé 053	Obligation 2 ^e tir 072
36-60 mm 028	Utilisation télémètre	Devant le chien 054	Tombe sur place 058
61-100 mm 029	Oui 073		Titube et tombe 059
>100 mm 030	non 074		Fuite 060

Si animal blessé : traces de sang
pas de sang 061
peu de sang 062
beaucoup de sang 063
sang régulier 064
recherche OK 065
recherche néant 066

Si animal blessé : Appel au conducteur de chien de sang
☐ Oui ☐ Non
Fuite vers : ☐ Zone boisée ☐ Zone dégagée

Note générale (à remplir absolument) :
☐ très bon ☐ bon ☐ satisfaisant ☐ mauvais ☐ très mauvais

Autres informations éventuelles : _____

La personne qui remplit le rapport de tir a dépouillé l'animal : ☐ Oui ☐ Non

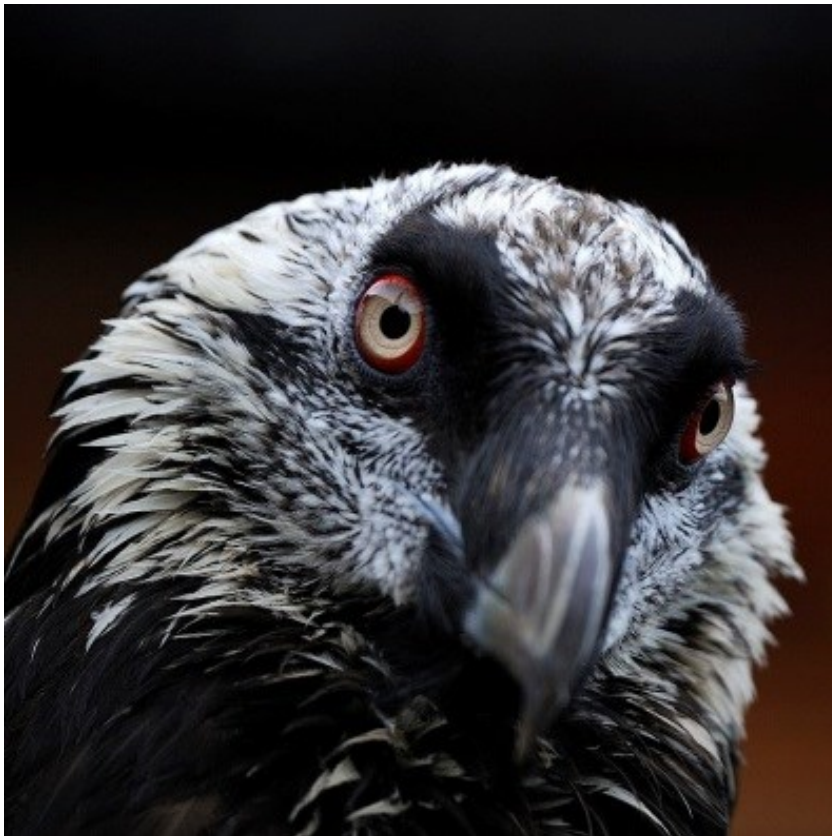
The action plan

Nov 2017: first workshop with stakeholders closely related to the intoxication and poisoning issues in large raptors



Next steps:

- **Meeting of an expert group** in spring 2018 to identify the actions to elaborate *in coherence with operating disease surveillance networks, the vigilance poison plan and other species action plans*
- **Elaboration of actions** in coherence with all important interlocutors
- **Steering committee of strategic partners and stakeholders** for validation of the action plan in autumn 2018



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**Thank you for
attention**

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