

The policy of Biodiversity conservation of the French MoD

19/12/2018

Ms Perret
head of environment office

Ms LE TOUZE
in charge of biodiversity affairs in
environment office
French ministry of Defense



I.

**The environmental
policy of the french
MoD**

II.

**Project Life Defense
Nature 2 Mil**

III.

**Project Life
Naturarmy**

I.

Key Figures of French MOD

□ Defence budget :

- Budget allocation : about 39 billion €
- Budget for biodiversity : about 300 000 €

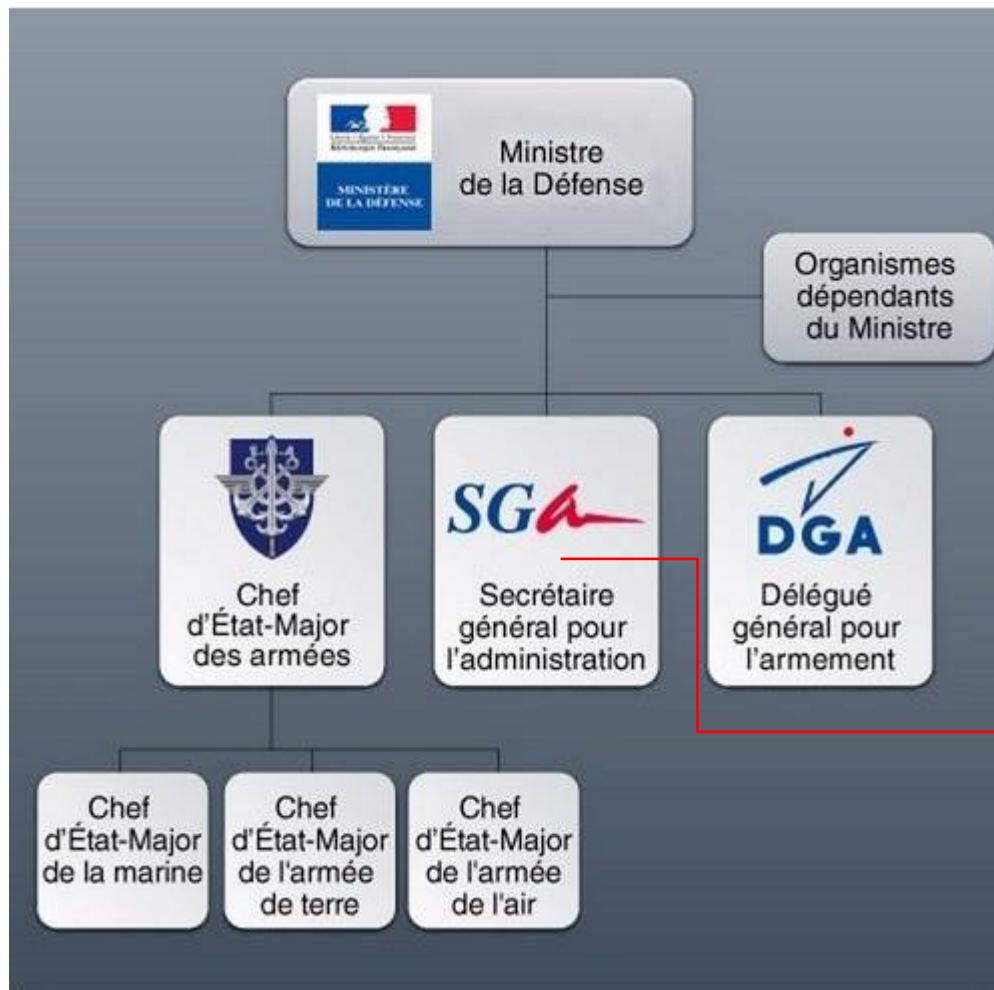
□ The French ministry of Defence staff in 2013

A total staffing of 263 000, including

- 215 019 servicemen
- 63 696 civil servants

200 agents working in environment
(1% working time on biodiversity)

The Direction of estate, memory and archives coordinates the environmental policy



- Finance
- Human resources
- Infrastructure
- management of the real estate asset of the ministry
- Environnement

Military sites : a key role in the conservation of the biodiversity

The Ministry of Defense manages 258 000 hectares of land, endowed with an exceptional faunistic and floristic diversity on military grounds

- ❑ 44 486 ha of military areas are classified Natura 2000 (1/5 of the french N2000 network)
- ❑ Military sites support almost 100% of species and habitats of Community interest.



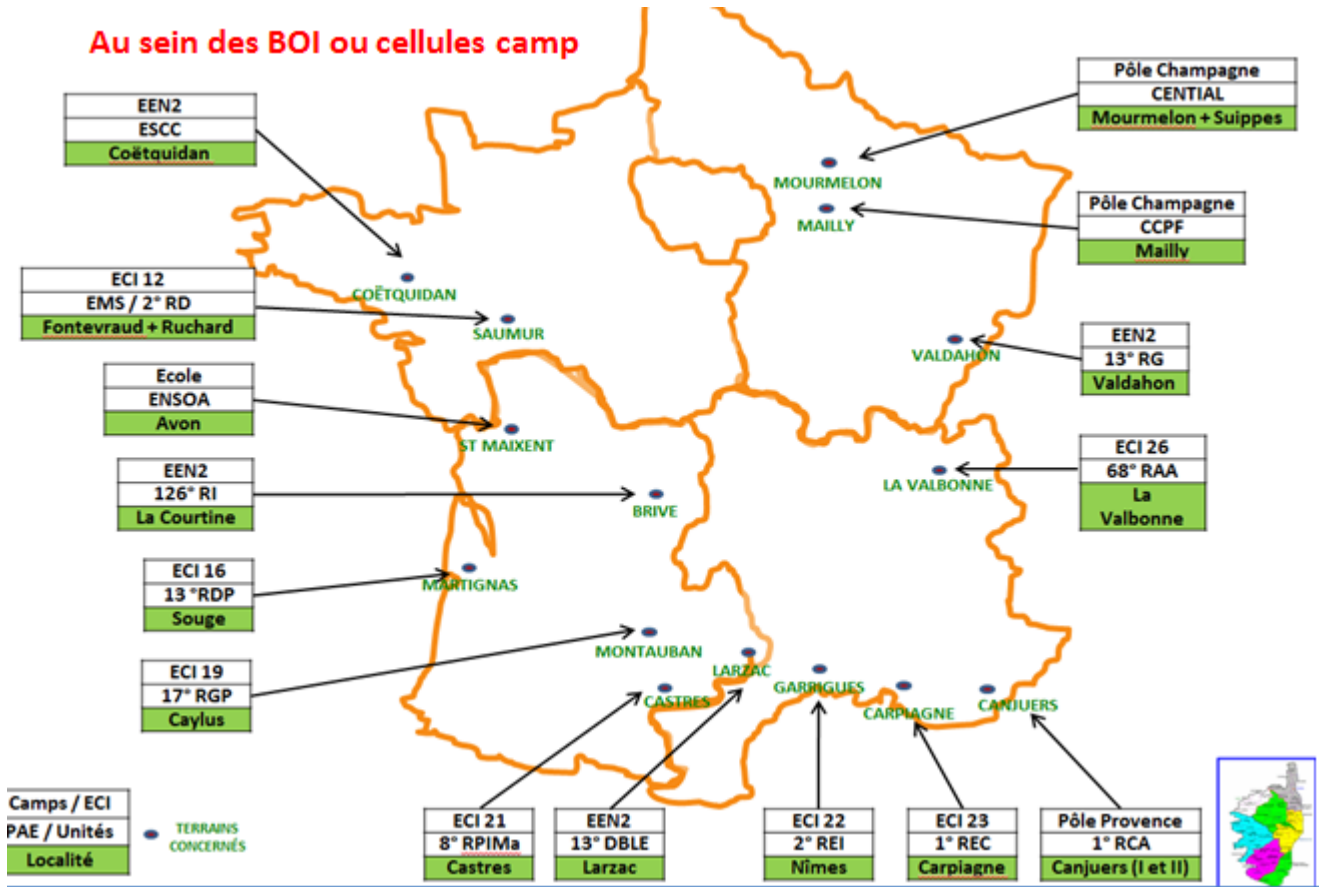
Most of these sites are used for operational purposes :

- ❑ 25 400 ha : training grounds, firing ranges, bivouacs
- ❑ 19 086 ha : various uses (semaphores, air base, wireless stations)

Tools and partnerships for a sustainable management of the military grounds

1. Implementing the regulation in the military sites
 - regulatory effectiveness (instructions, practical guides)
 - capitalization of good practices
2. Concluding partnerships with specialised agencies /NGO
 - management plans
 - main partner : the botanic and wild fauna organization (FCEN)
3. The environment policy of the army
 - The operational readiness and environment policy (a doctrine and a actions plan).
 - A policy of the Army (the navy and the air force don't have a consistent doctrine yet)*

Au sein des BOI ou cellules camp



The Army manages 170 000 ha (68% military lands)

Biodiversity = an asset

The operational readiness and environment policy

- ❑ 16 skilled agents (combine conservation and a high state of operational readiness)
- ❑ A method (matrix analysis)
- ❑ Training programs (commands, officers ..)



II

LIFE Defense Nature 2 Mil (2012-2017)



life
défense
nature
2mil

TERRAINS MILITAIRES
& BIODIVERSITÉ

19/12/2018

*Biodiversity Restoration
& Conservation of
Remarkable Military Lands
In South-East France*



TITRE

Défense Nature 2 Mil

COORDINATING BENEFICIARY:



ASSOCIATED BENEFICIARY



BUDGET : 2 128 061 euros

- 1 060 532 € from EU
- 864 409 € from MoD*
- 100 000 € from DREAL Corse
- 80 000 € from DREAL Languedoc-Roussillon



Défense Nature 2 Mil

TWO MAIN OBJECTIVES

- Restore and conserve the remarkable biodiversity on 4 sites;
- To integrate issues of biodiversity, includes « Natura 2000 » in the management and use of military sites

4 SELECTED MILITARY SITES, TANKS OF BIODIVERSITY



Chambaran
ZSC

Garrigues
ZPS



ZPS : Special area of
Protection

Mont Caume
ZSC

Aspretto
ZPS

ZSC : Special area
of Conservation

Naval Base Aspretto - Corsica

SHARED MANAGEMENT BETWEEN HEAD OF NAVY FOR CORSICA /CEN CORSICA, DREAL CORSICA

On the dam = 60 to 70% of population of Audoin Gulls
2010 : Dam damaged by a storm, included nesting places

3 TARGETTED MAIN ACTIONS

To restore and preserve the nesting location

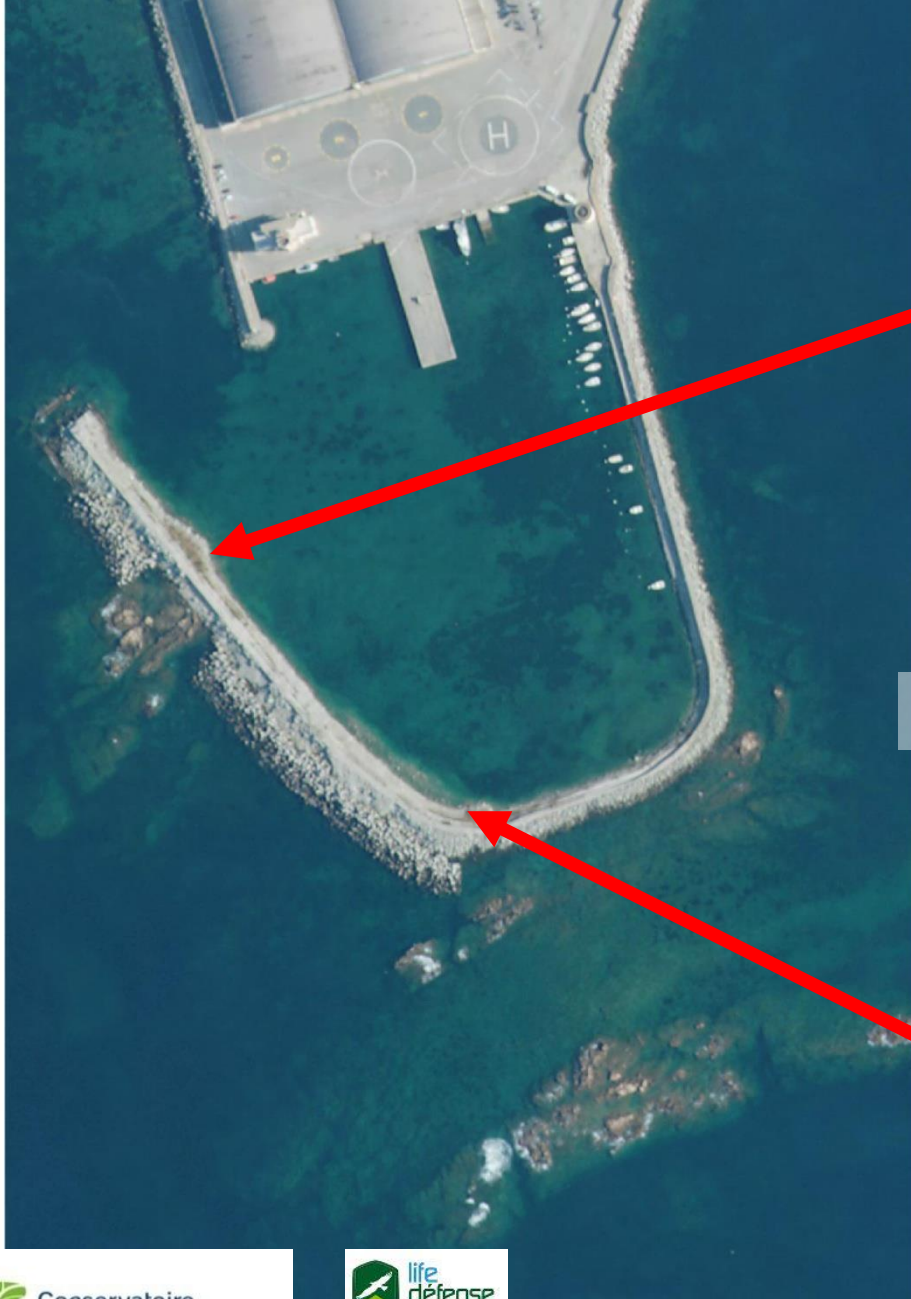
To improve written information on the site

To perform the scientist monitoring of the species to the public

Naval Base Aspretto - Corsica

RESULTS





Restoration of the seawall and nesting location



Naval Base Aspretto - Corsica

RESULTS : Preserving the last nesting site of the audouin's gull

- 160 sq.m of nesting platforms restored
- 30 nesting boxes created
- 40 à 60 couples, with numbers stabilising after the works



Mount Caume – Provence Alpes Côtes d’Azur

SHARED MANAGEMENT BETWEEN MoD/ CEN PACA

Former military artillery site created to protect Toulon harbour

To restore habitats for bats on military structures

To protect the grasslands from the public

3 TARGETTED MAIN ACTIONS

To restore and preserve the bats nesting location and local grasslands

To create a historical and ecological information boards

To transfer the property to an environmental association (big issue)

Le Mont Caume – Provence Alpes Côtes d’Azur



RESULTS : FORMERLY A MILITARY SITE, NOW DEDICATED TO NATURE AND DISCOVERY

- 0,4 ha of original vegetation restored : grass-land, spiny broom moorland, juniper matorral, oak forest, etc
- 1 hibernation roost and 2 breeding roosts for bats restored
- 1,5 km educational tour
- Parking area, barriers to restrict the impact of traffic on vegetation



Intensive training camp of Chambaran – Rhône Alpes

SHARED MANAGEMENT BETWEEN 7TH MOUNTAIN TROOPS BON/ CEN RHÔNE-ALPES

The habitats on the lake shores
Habitats for forester bats

3 TARGETTED MAIN ACTIONS

- To restore lakes
- To improve hunt and breeding areas to the benefits of forester bats
- To decrease the attendance on the protected areas

Camp de Chambaran – Rhône Alpes



RESULTS : A SITE WITH EXCEPTIONAL BIODIVERSITY

- 5,250 sq.m of established amphibious grassland

European heritage species discovered : Crested newt, marsh fritillary, hazel dormouse, Eurasian beaver...

-75 to 99% mortality of locusts after 1 or 2 Gamar Method treatments

- 23 species of bat present out of 30 known in the Rhône-Alpes region



Défense Nature 2 Mil

Camp des Garrigues – Languedoc Roussillon

SHARED MANAGEMENT BETWEEN

2ND FOREIGN INFANTRY REGIMENT/ SMGG

Many interest raptors & passerin species

Maintain open environment

FOUR TARGETING ACTIONS

To restore grasslands & introduce pastoralism

To restore the food source of raptor species (dry stone warrens for rabbits)

Pyrotechnics risk / biodiversity management

To decrease the attendance on the restored areas

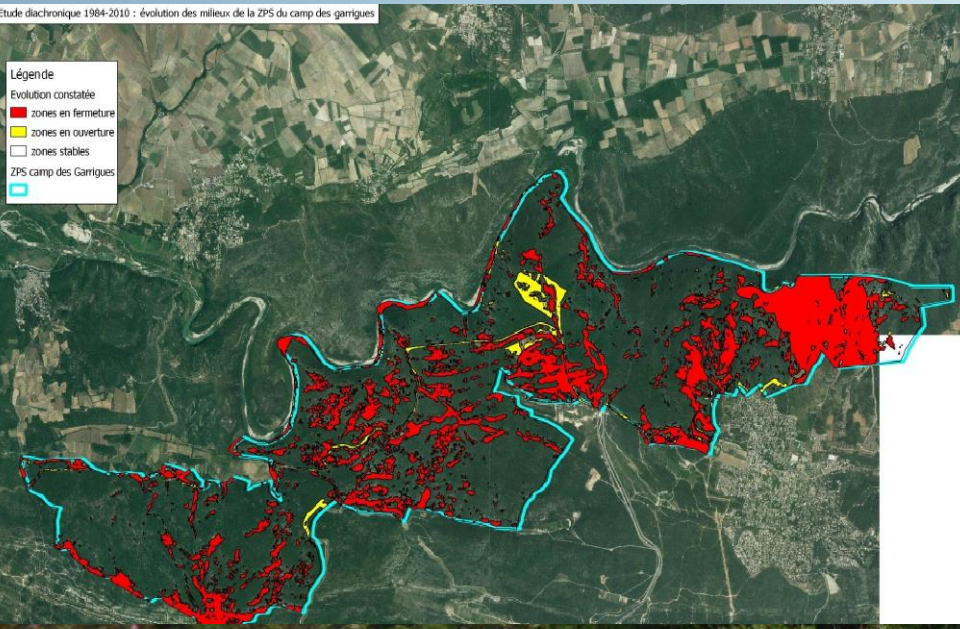
Camp des Garrigues – Languedoc Roussillon

SOME RESULTS ALREADY...

Study on pastoralism

Etude diachronique 1984-2010 : évolution des milieux de la ZPS du camp des garrigues

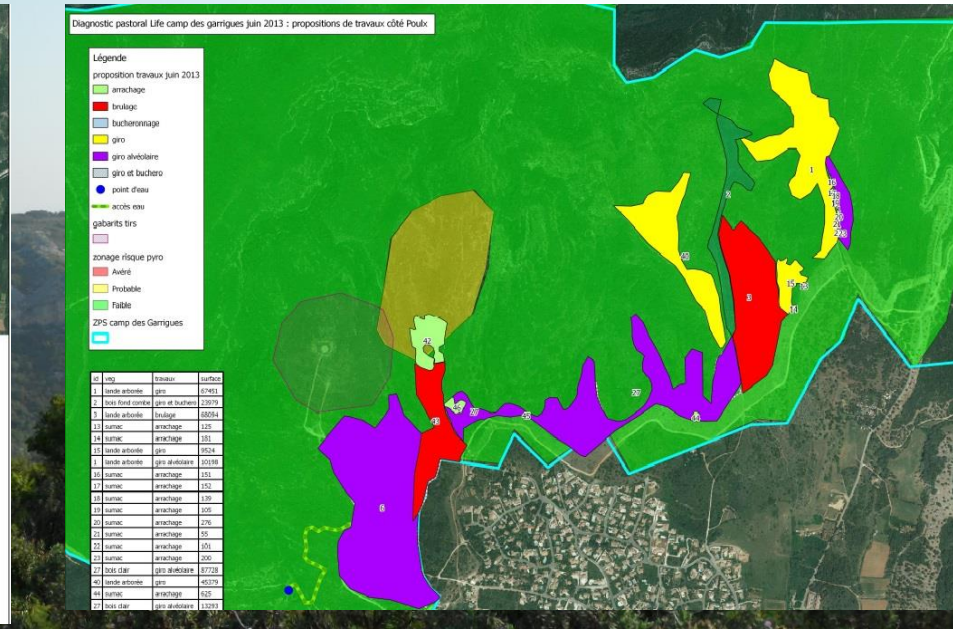
Légende
Evolution constatée
■ zones en fermeture
■ zones en ouverture
□ zones stables
ZPS camp des Garrigues



Diagnostic pastoral Life camp des garrigues juin 2013 : propositions de travaux côté Pouk

Légende
proposition travaux juin 2013
■ arrachage
■ brûlage
■ bucheronnage
■ giro
■ giro abolière
■ giro et buchero
● point d'eau
■ accès eau
■ gabarits tirs
■ zonage risque pyro
■ Avenir
■ Probable
■ Faible
ZPS camp des Garrigues

id	nom	coordon	surface
1	verde arbores	gros	67411
2	bois forest comble	gros et bucharo	22079
3	verde arbores	brûlage	6904
4	campac	arrachage	123
14	campac	arrachage	151
15	verde arbores	gros	3674
16	verde arbores	gros arbores	10108
17	campac	arrachage	151
18	campac	arrachage	151
19	campac	arrachage	129
20	campac	arrachage	150
21	campac	arrachage	276
22	campac	arrachage	55
23	campac	arrachage	301
24	campac	arrachage	250
25	campac	arrachage	250
26	bois d'ail	gros arbores	87728
40	verde arbores	gros	48179
41	verde	arrachage	342
42	bois d'ail	gros arbores	12031



Construction of dry-stone ponds to provide drinking water for the herd



Camp des Garrigues – Languedoc Roussillon

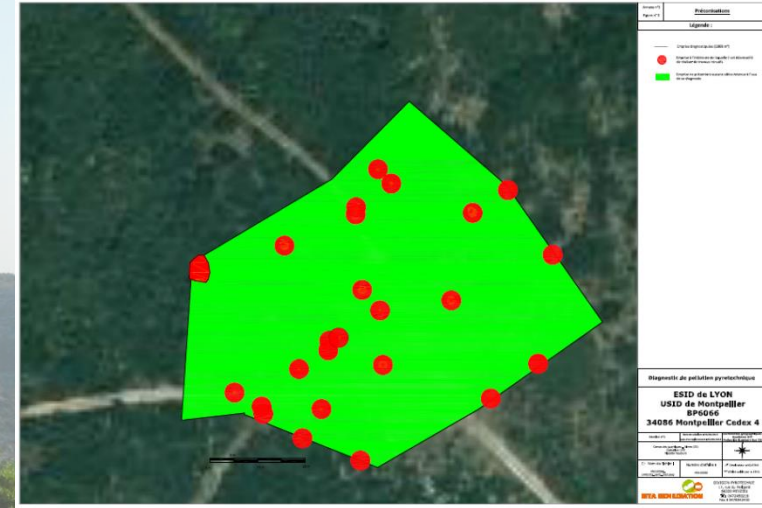
Other works were more difficult : clearing of scrub, food plot...



clearing of scrub before RAM



RAM warren



RAM Food plot for E. vulture



Dry stone warrens
Study on the attendance



Défense Nature 2 Mil

Camp des Garrigues – Languedoc Roussillon

RESULTS : NATURALIST/MILITARY/HUNTING MANAGEMENT

- 95 ha of restored Mediterranean grassland
- 200 ha of pasture in military areas
- 2 nuclei of rabbit populations established
- Maintaining the range of birds in open areas, including 10 endangered species

Cross-disciplinary actions



COMMUNICATION

Actions : brochure, website, mobile communication media, information board, press article, comic trip, posters, layman's report...

Results : - 60 photos of biodiversity on military land across France
 - 5 videos, 6 awareness posters
 - 100 articles, 11 television reports and 4 radio programmes
 - 15 000 people reached on Facebook

Cross-disciplinary actions

TRAINING

- Results :
- 88 environmental managers trained in biodiversity as part of Life
 - 30 military personnel taking part in « operational preparation and the environment » training
 - 140 providers / students / naturalists trained at Chambaran
 - 1 BAC Pro exam on natural environments passed by twenty students at Chambaran camp

Cross-disciplinary actions

NETWORKING

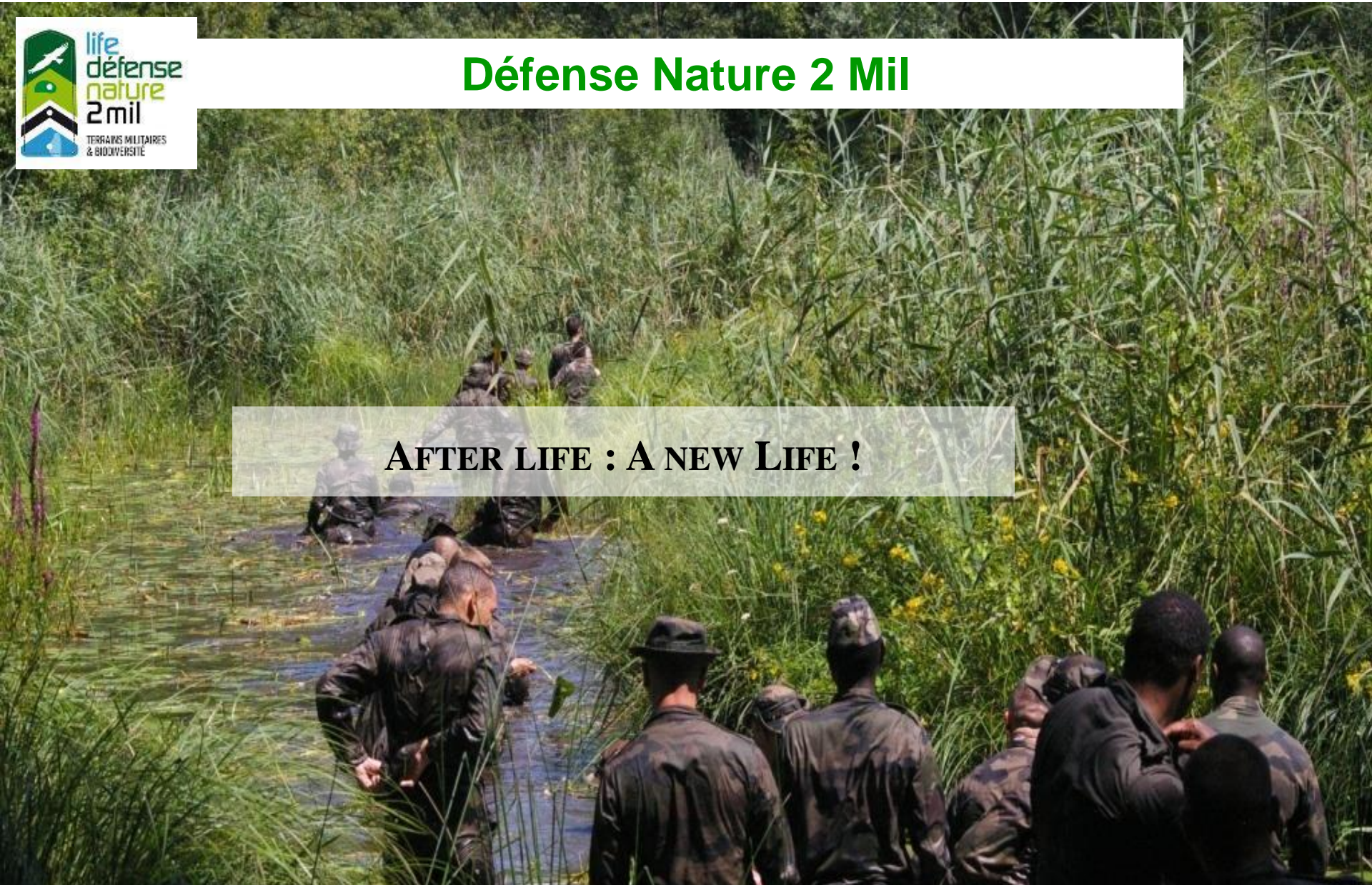
Actions : Presentation of the Life Project in Europe (Hungria, Finland, Latvia...), three seminars from regional to european level, a study trip in Germany at the US Military camp

Results : - 270 people involved in the seminars

- 17 nationalities present at the international conference
- 30 French professionals were able to meet their European equivalents



Défense Nature 2 Mil



AFTER LIFE : A NEW LIFE !

III

LIFE Gouvernance « NaturArmy » (2019-2023)



19/12/2018

*How to sustain the conservation of
biodiversity on the military
grounds*

FEEDBACK

- Insufficient knowledge of the biodiversity on our grounds
- Issues management strategy (no governance framework)
- No assessment of the efficiency of the management plans and actions
- Lack of communication about the actions of the MoD in the field of biodiversity

Project objectives

Improve the enforcement of Nature conservation law on military sites



Improve the processes to combine conservation and a high state of operational readiness



Define a strategy for the conservation of biodiversity (the EU Biodiversity Strategy to 2020)



Improve the efficiency of partnerships between armed forces and managers of protected natural areas



show the benefits of environmental management of military lands

Demonstrate the major role of the Army in the management of Natura 2000 sites



Publicize the actions carried out in favor of biodiversity on military sites



Raising awareness and adhering to the biodiversity strategy within the French armed forces and encouraging involvement from agents in the field

Objectives and actions at European level.

- ❑ **To present the importance of the Army's role for Natura 2000 sites**

(English versions of all communication tools featuring a specific section devoted to European partners will be developed)

- ❑ **To create a structured European network for "armies and biodiversity" in partnership with the european armies**

(Exchange of best practices at EU level, a standard template for military training area management plan with minimum data requirements, common communication tools etc.)

The Defence Environmental Network (DEFNET) deals with the environment essentially from a legal point of view.

- ❑ **To organise 3 highlight events with the project's partner armies (France, Belgium, maybe Switzerland)**

Our partners

Bénéficiaire principal

MINARM

Bénéficiaires Associés

Ministère belge des armées

FCEN

CEN
Pays de la Loire

CEN
Poitou
Charente

CEN
Champagne
Ardennes

Sous-Traitance
Attention max
35%

Université
Bretagne
Ouest

CEN
Sud PACA

CEN
Aquitaine

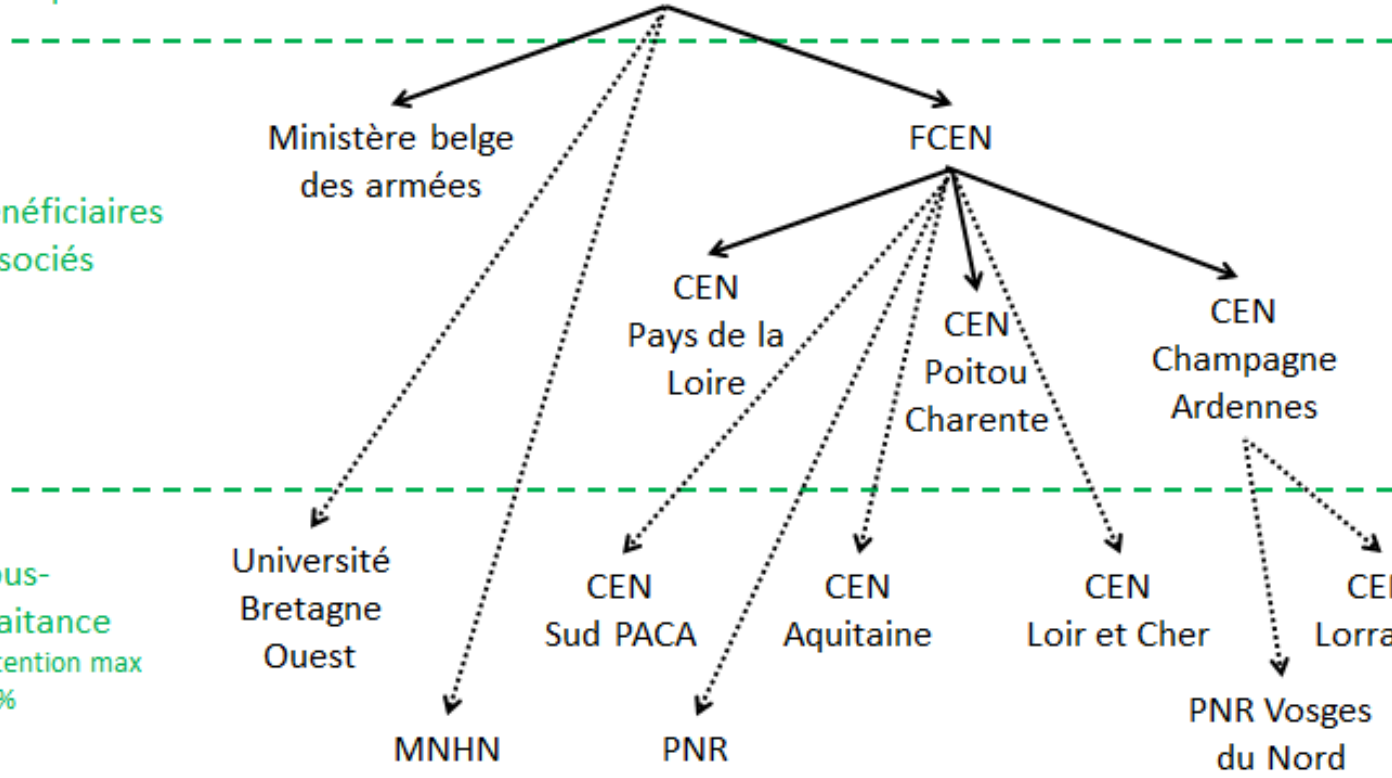
CEN
Loir et Cher

CEN
Lorraine

MNHN

PNR
Armorique

PNR Vosges
du Nord



Budget prévisionnel

UE

1 450 000 €

French Mod

800 000 €

French ministry of Ecology

200 000 €

Fren biodiversity Agency

100 000 €

Belgian MoD

50 000 €

TOTAL

2,6 millions €



<http://www.lifeterrainsmilitaires.fr/index.php/en>