European Commission / FACE Conference Preparing hunters to eradicate ASF

30-01-2018
"Jagd und Hund" / Dortmund

The example of Belgium

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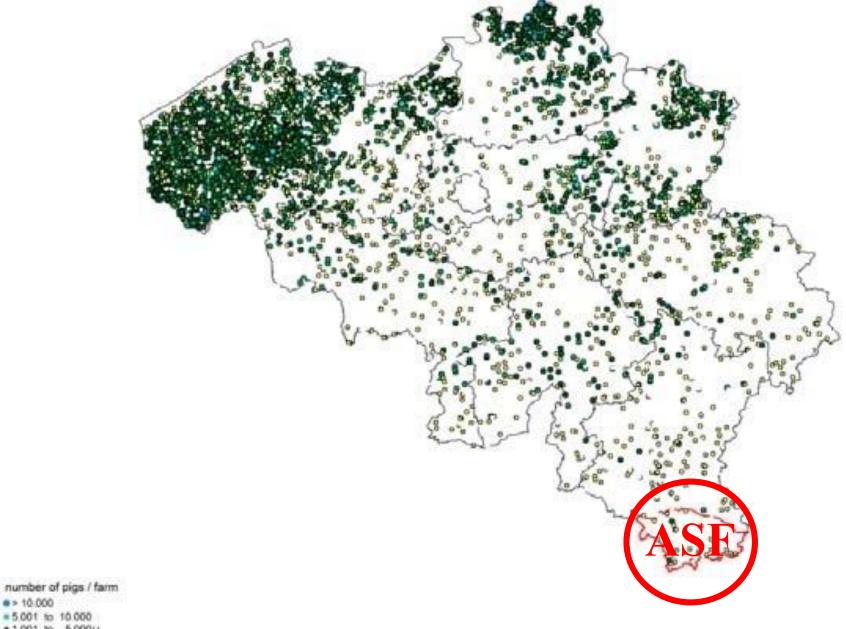
1. Introduction

Pig farming in Belgium, 1st measures

2. ASF in Belgium

The story, month to month

3. Conclusions



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Pig farming in Belgium

PIG PRODUCTION in E.U.

Number of slaug	htered pigs/ye	ear (millions):

Octilially	30	
Spain	50	
France	23	
Poland	22	
Netherlands	15	

52

Belgium 11 (Flanders 93%)

Italy 11

Germany

(United Kingdom) 11

Exports: E.U. exports yearly 4.000.000 tons of pig meat (= 13% of the production)

Germany 850.000 tons (pig industry = 100.000 workers)

Denmark 528.000 tons

Belgium 100.000 tons

Countries: China, South Korea, Japan, the Philippines

As soon as ASF was registered in Belgium, those countries banned all import. The price of pig decreased immediatly of more than 10%.

Before september

- 29-03-2018: « Task Force ASF » by the belgian food safety agency (<u>Federal</u> minister, responsible ASF / Pigs)
- 07-06-2018: plan for ASF in WB populations (Regional minister, responsible ASF / WB)
- April 2018 : RSHCB :
- Collaboration (culling, carcasses, training, biosecurity, ...).
- Sharing of experience / partners for decisions Silencers and night scopes.



African swine fever, Belgium

Information received on 14/09/2018 from Dr Jean-François Heymans, Director, Animal Health and Safety of Products of Animal Origin, Federal Agency for the Safety of the Food Chain (AFSCA - FAVV), Bruxelles, Belgium

Report type Immediate notification

Date of start of the event

09/09/2018

Date of confirmation of the event 13/09/2018

Report date 14/09/2018

Date submitted to OIE 14/09/2018

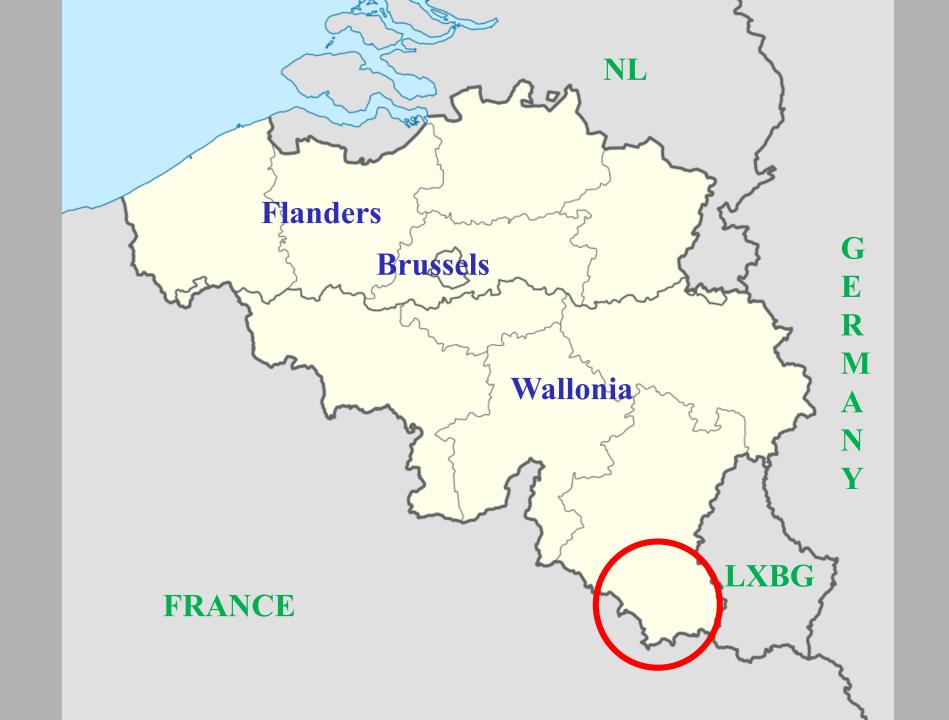
Reason for notification Recurrence of a listed disease

Date of previous occurrence 1985

Manifestation of disease Clinical disease

Causal agent African swine fever virus

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From mid-Sep to mid-Oct (I)

Definition of a (provisional) infected area in accordance with E.U. (63.000 ha)



From mid-Sep to mid-Oct (II) Measures:

1. Hunting, circulation, works, feeding banned

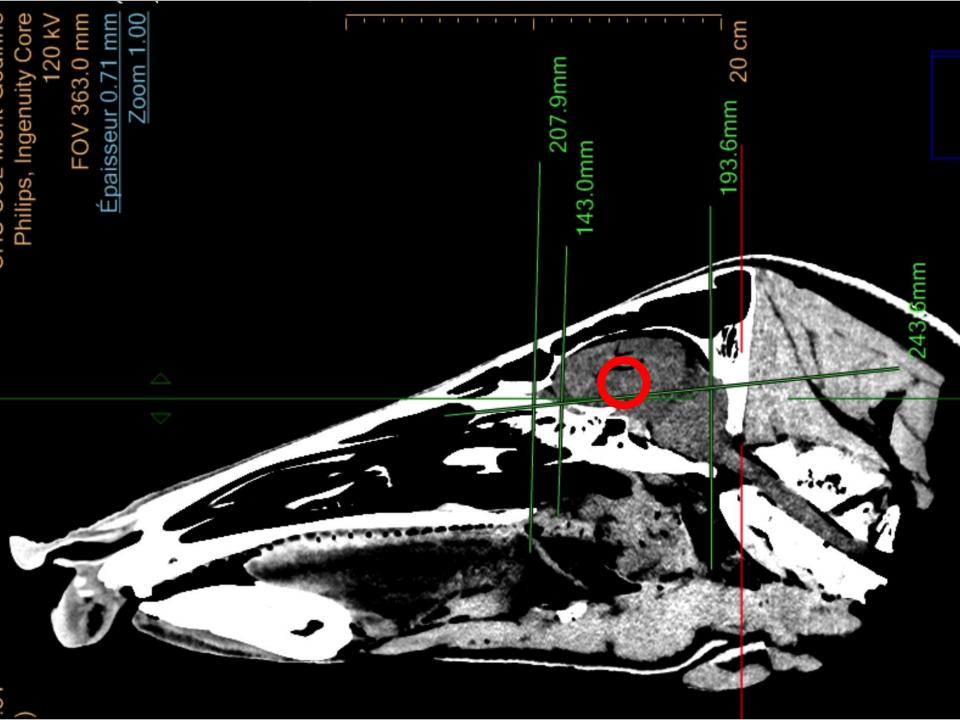
Goal: to avoid dispersion of infected WB

2. Research of carcasses (with the hunters)

Goals: to remove the virus from environment to better know where is the virus

From mid-Sep to mid-Oct (III)

- from mid-sep.: press campaign (farmers & environmentalist associations) blaming hunters for importing infected WB and for fostering high densities
- $\frac{27-09-2018}{}$: stamping out of all domestic pigs (4.000) in the infected area.
- 04-10-2018: RSHCB proposes a training (biosecurity & accurate shooting in order to kill

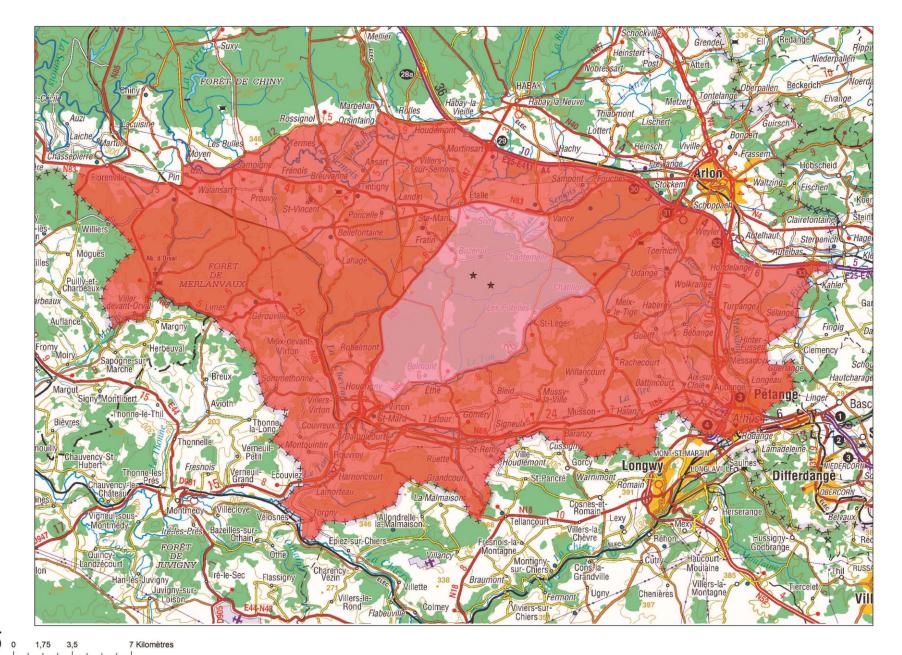


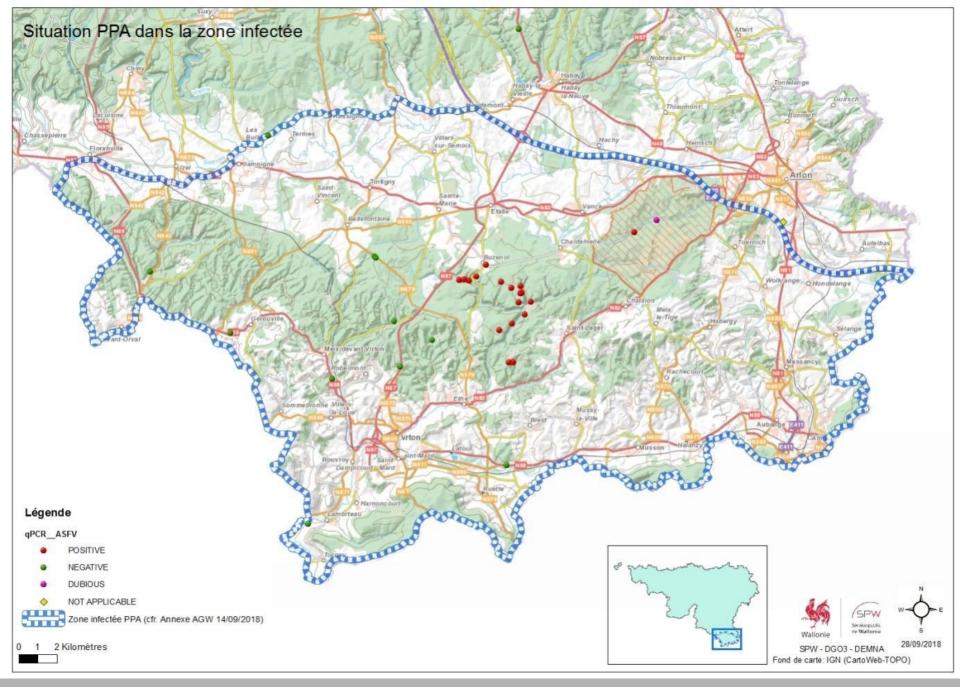
From mid-Sep to mid-Oct (IV)

WB on their tracks & avoid bleeding). Other propositions: volunteers for research of carcasses and to built and pay a fence.

Viropositive WB (total):

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14-09-2018: 2
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Friday 28-09-2018

From mid-Oct to mid-Nov (I)

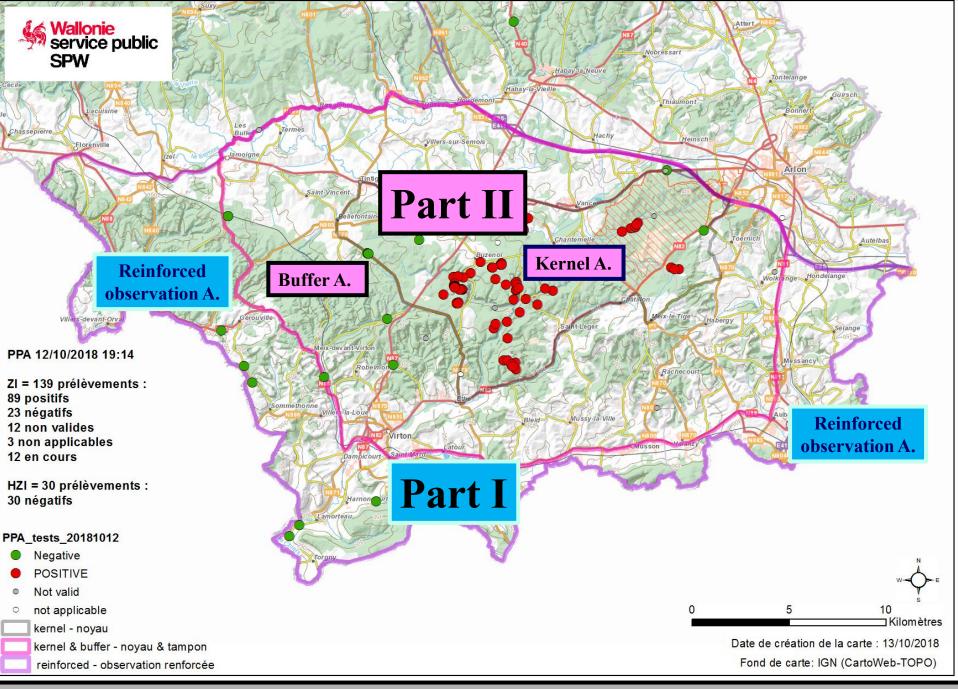
- IA infected area (630 km2) divided into:
- Part I limited risk

 ROA = reinforced observation

 area (210 Km2)
- Part II high risk

 KA = kernel area (150 km2) with +WB

 BA = buffer area (270 km2)



Saturday 13-10-2018

From mid-Oct to mid-Nov (II) Measures

Kernel & buffer A. Hunting, feeding, circulation & works: banned, some tolerance

Reinforced Observation A.

- Hunting without dogs: authorised Circulation & works: +/- authorised
- Biosecurity training for hunters (29-10: 300 trained) \rightarrow destruction of WB may begin.
- Goal: kill 150% (= 660 WB) of the 2017-18 WB bag before mid-Jan.
- But ... it is difficult without dogs and hunting period is reduced.

From mid-Oct to mid-Nov (III) Measures

All the infected area

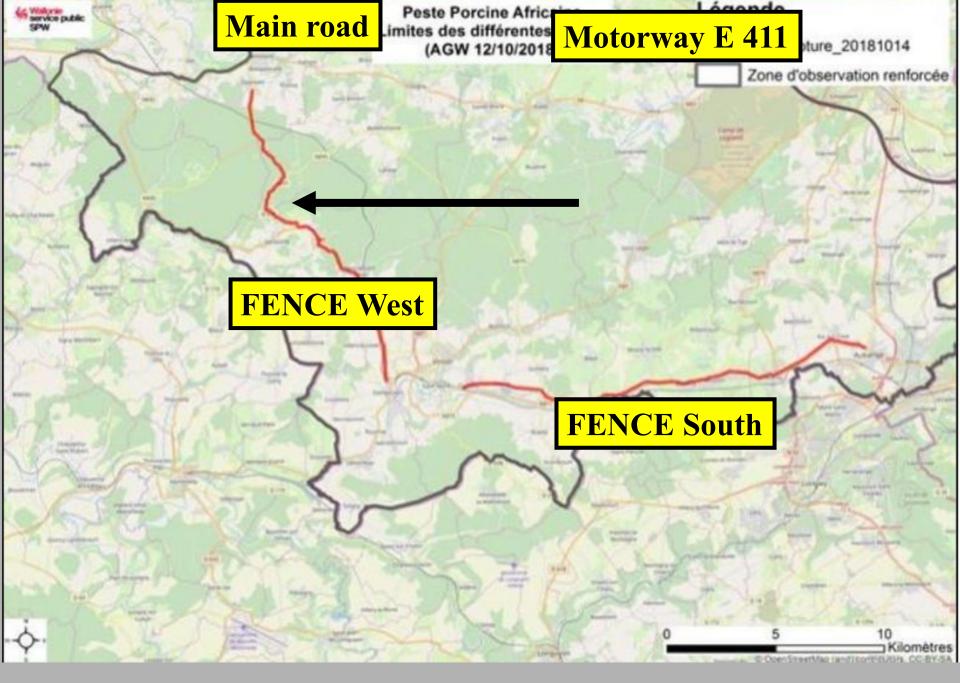
Research, removal & analysis of carcasses

Belgium: reduction of WB populations

Flanders: Zero damage in most areas

Wallonia: minus 50% in 3 years

2 Fences: West & South, +/- border BA/ROA. Not continuous, covering only +/- 50% of the total distance because roads, villages, Goal: slow down the movements, not "wild boar



Sunday 14-10-2018

From mid-Oct to mid-Nov (IV) Measures

Financial assistance to hunters

ROA: 100 € for every WB (removal & transport respecting biosecurity)

All Wallonia: obligation for registered game meat wholesalers to take every WB

06-11-2018: as a result of positive WB in BA, KA enlarged and BA reduced.

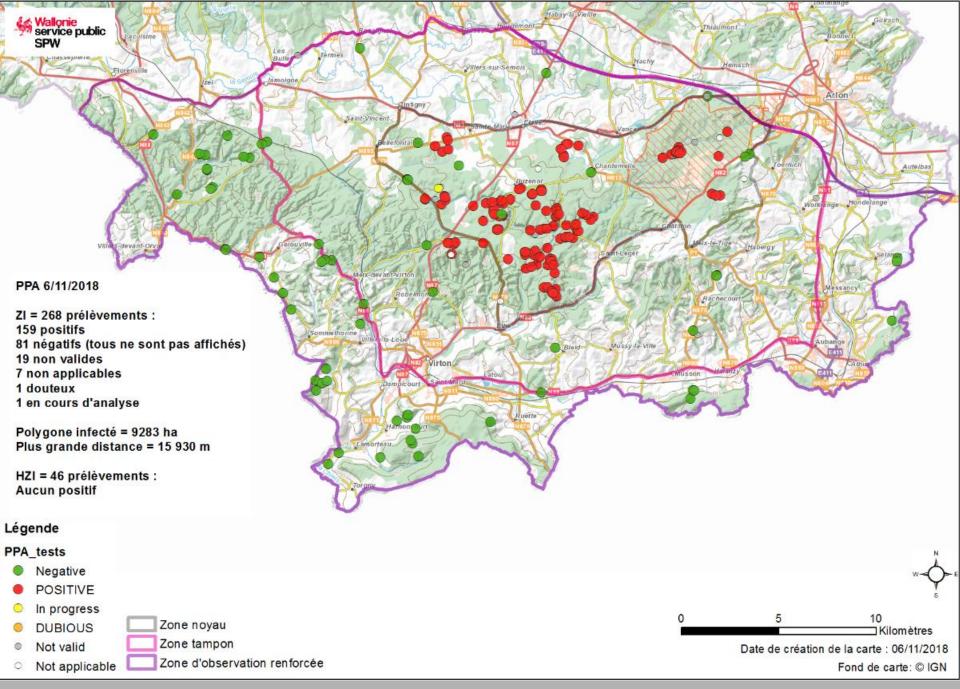


From mid-Oct to mid-Nov (V)

<u>Viropositive WB (total)</u>:

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17-10-2018: 104
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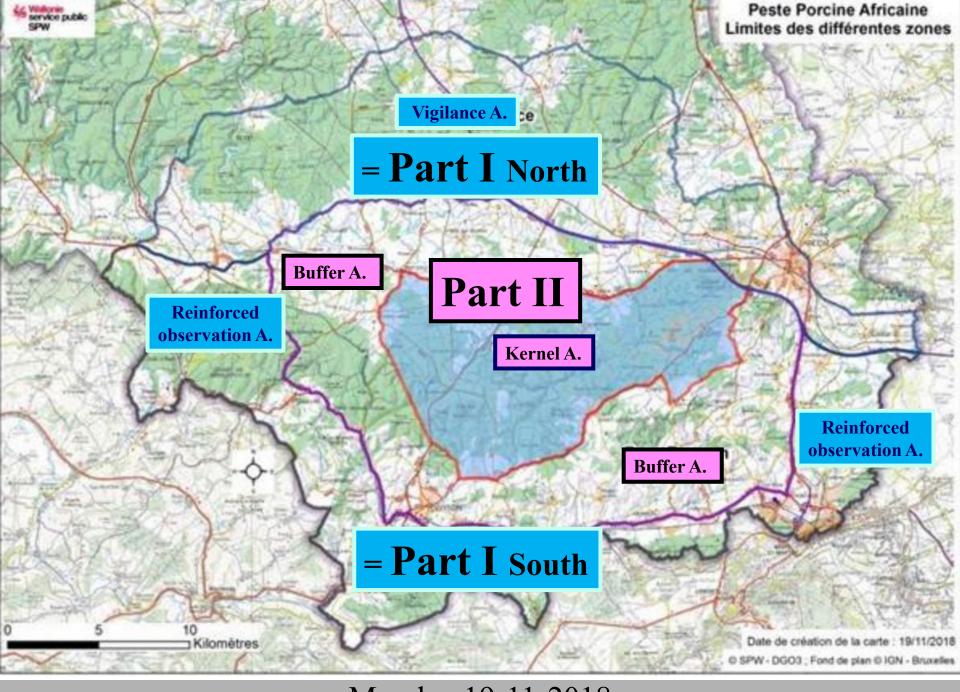
06-11-2018: 159



Tuesday 06-11-2018

From mid-Nov to mid-Dec (I)

At the request of E.U., (provisional) infected area enlarged: Vigilance Area (280 km2)



Monday 19-11-2018

From mid-Nov to mid-Dec (II) Measures

Vigilance Area:

Hunting with dogs: authorised

Circulation & works: authorised

Wild boars (not eviscerated) must be delivered at

a collect center \rightarrow destructed, some analysed

Goal: kill 130% of the 2017 bag for end of Feb

Financial assistance to hunters

VA: 50 € for every WB delivered

From mid-Nov to mid-Dec (III)

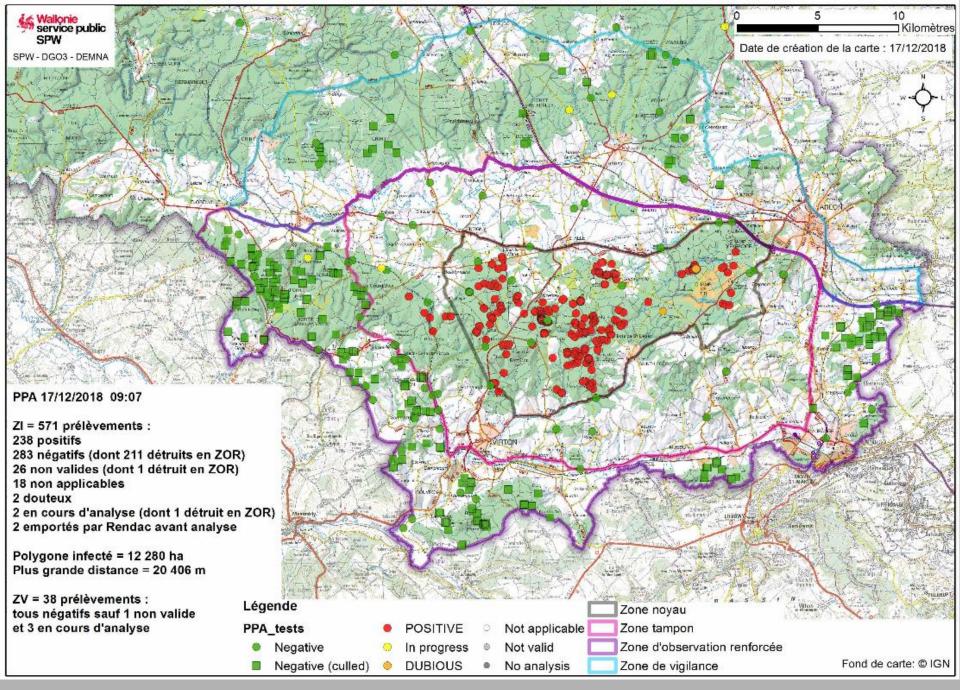
Hunting in january & february

Every hunting territory must set up at least 3 collective (team of 5 minimum) hunts.

Goal in Wallonia: have at the end of 2019-2010 season a population reduced of 50%.

Viropositive WB (total):

28-11-2018: 184



Monday 17-12-2018

From mid-Dec to now (I) 18-12-2018: building of traps

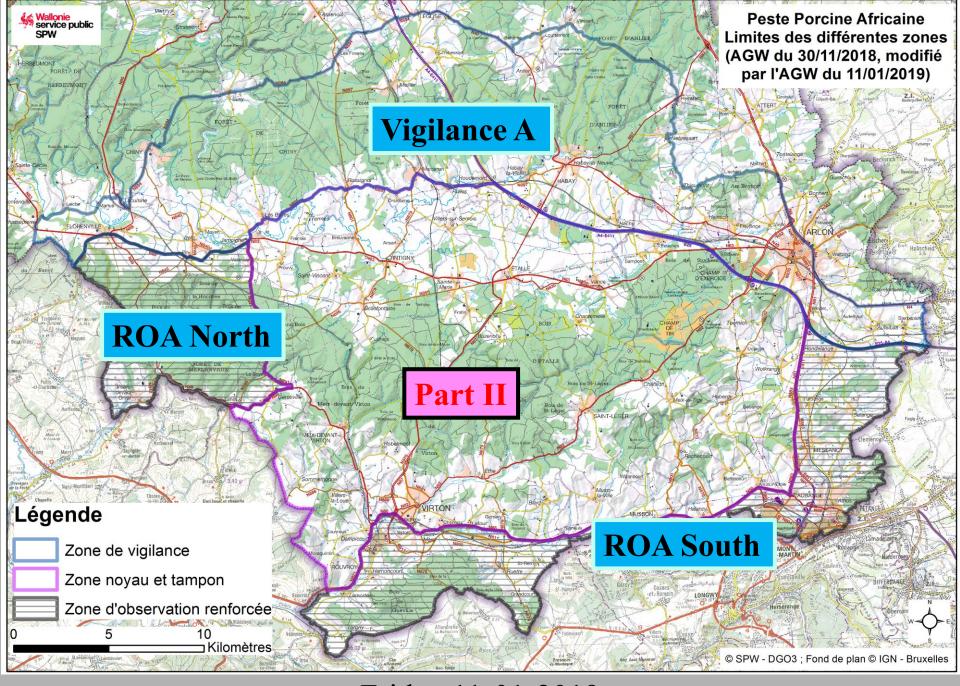
07-01-2019: trapping begins.

06-01-2019 : 2 viropositive WB shot by hunters in the ROA, near French border. Dispersion of virus faster? Transposition of the figures not suitable for Wallonia? WB densities? WB disturbed? Fences? Ban of

feeding in KA & BA?

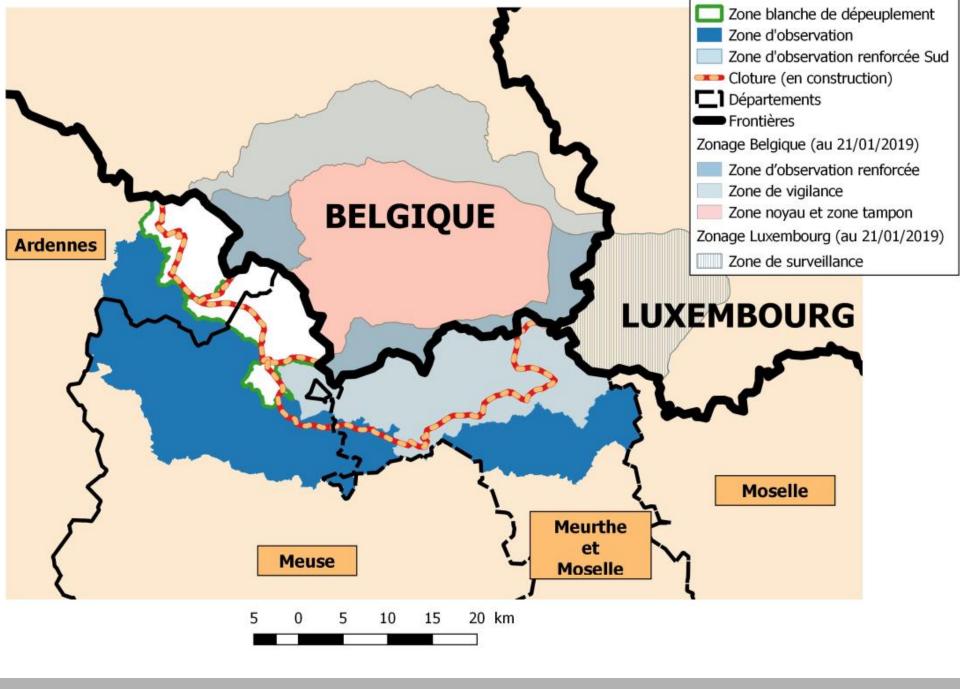
From mid-Dec to now (II)

- $\frac{11}{201} \frac{2019}{2019}$: 2 measures:
- 1. Redefinition of areas: Part II extended to French border ROA divided in north & south. VA lightly extended.



Friday 11-01-2019

From mid-Dec to now (III) Our firebreak could have failed : 334 bagged instead of 660. Why?: late hunting & trapping, no dogs, no silencers, no night scopes, too fast disease, ...? France has to create its firebreak on its side.



Monday 21-01-2019

From mid-dec to now (IV)

- 2. New fence built partially along the French border, +/18 Km. Building began on January the 20th.
- 11 to 16-01-2019: ban of hunting in ROA North
- 17-01-2018: decision for a complete eradication of all

From mid-dec to now (V) WB in ROA & VA

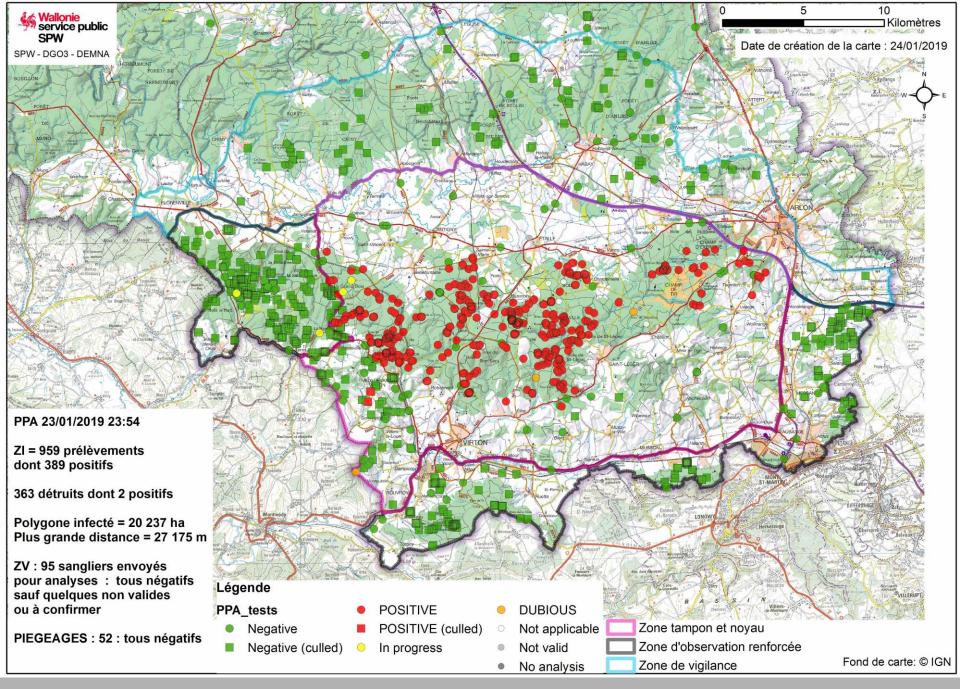
- 21-01-2019: 50 active traps, 51 WB captured.
- 24-01-2018: decision for shooting WB in Part II where disease is less active

From mid-dec to now (VI)

<u>Viropositive WB (total)</u>:

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17-12-2018 : 238 + 04-01-2018 : 288 + 17-01-2018 : 343 +
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25-01-2018: 389 +



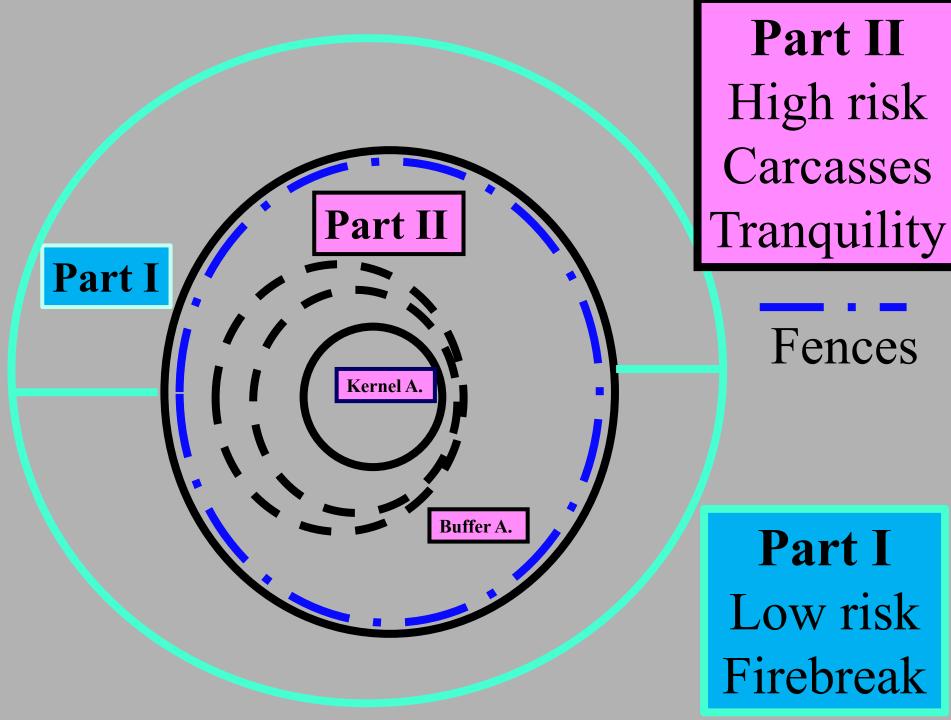
Wednesday 23-01-2019

CONCLUSIONS

Excellent <u>management</u> of the crisis in a complicated country But

Communication / negociation Field experience unrecognised (trapping, dogs, feeding) No official solution for leases and payment for damages

Thank you for your attention



Wild boar densities in Wallonia

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2017 hunting bag: 28.000 WB
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Wallonia = 550.000 Ha (forests only)
1.300.000 Ha (hunted)
1.680.000 Ha (all)
Hunting bag = 5,1 WB / 100 Ha (forests only)
2,2 WB / 100 Ha (hunted)
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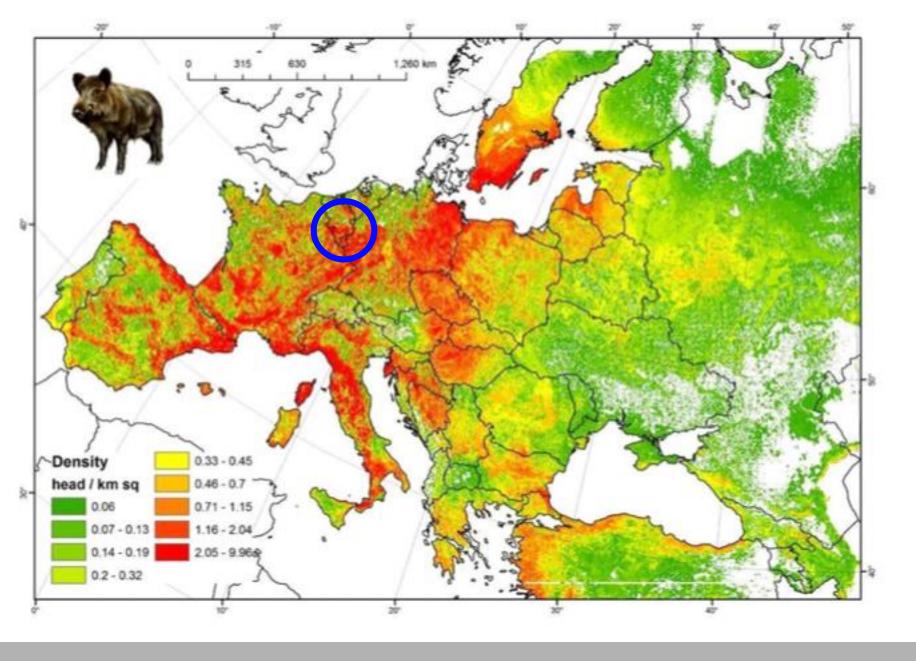
1,6 WB / 100 Ha (all)

WB density = (2 x hunting bag) 10,2 WB / 100 Ha (forests only) 4,4 WB / 100 Ha (hunted)

3,2 WB / 100 Ha (all)

2017 hunting bag in **infected area** (63.000 Ha) = 1.100 = 1,75 / 100 Ha

WB density in infected area = 3,5 WB / 100 Ha



Wild boar densities in Europe

Origin of the virus

First outbreak(s)

Buzenol? (center of KA) First viro+ WB found (one living)

Lagland? (area for military manoeuvres) Oldest carcasses,

found later because later investigated. Marches / dry summer

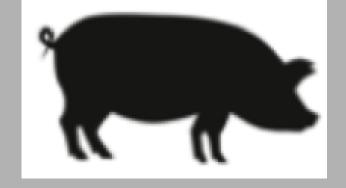
But water still present

Buzenol and Lagland?

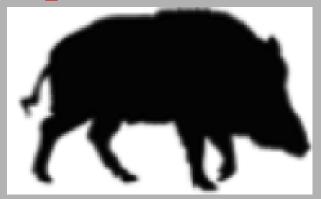
Other?

Forensic entomology

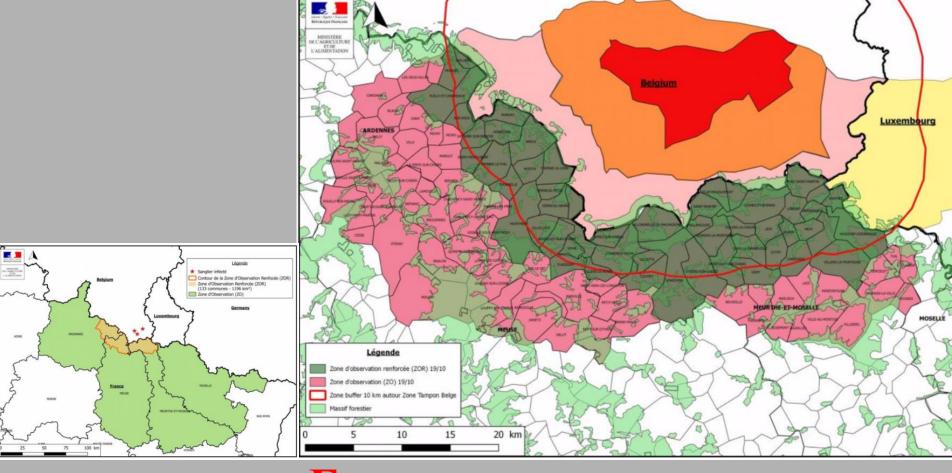
Dating of the skeletons of Lagland: july 2018



easy to eradicate the virus ("we go quicker than the virus")



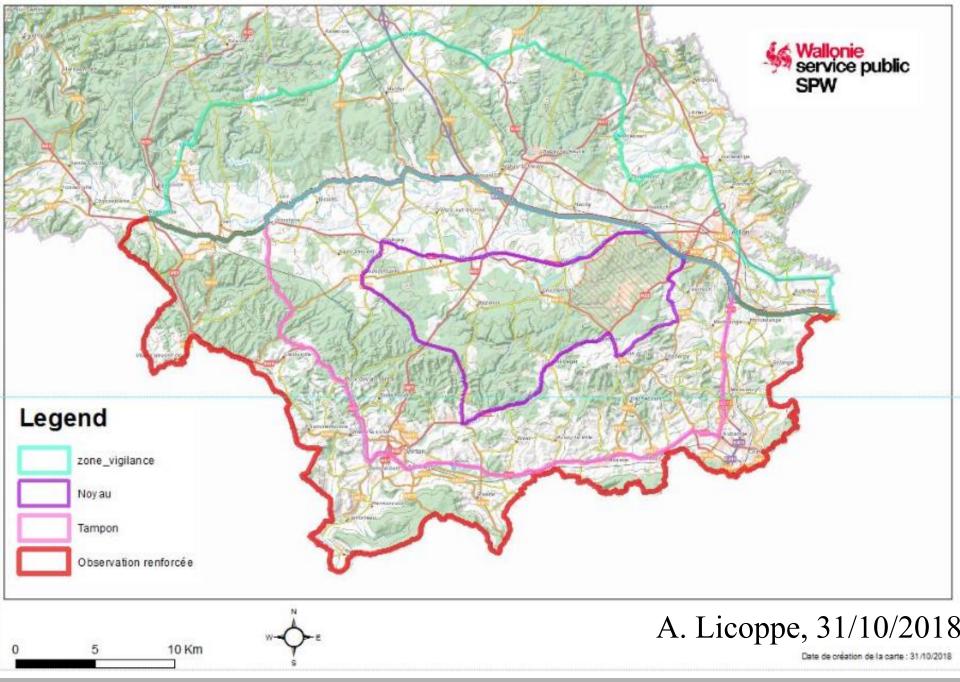
much more difficult
ASF becomes endemic for tens of years
"virtual pigpen in the forest" (as Czech Rep.)
Vaccination (?) as for CSF



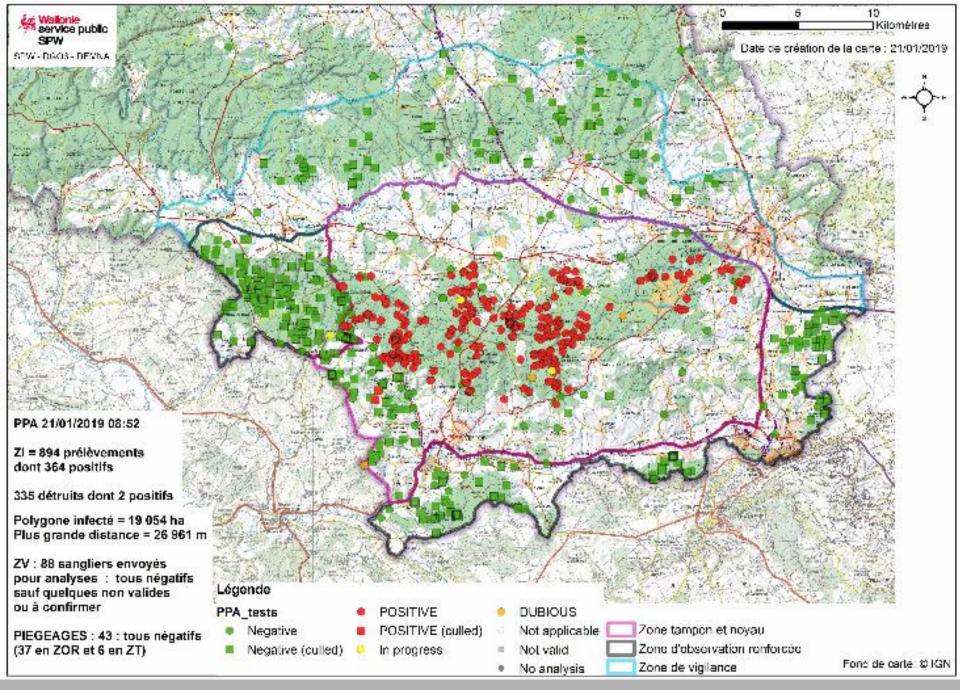
France (Fri 19-10-2018)

ZOR : i) chasse à l'affût, à l'approche et en battue silencieuse (sans chien) + formation des chasseurs à la biosécurité, ii) quota minimum, notamment en sangliers adsultes

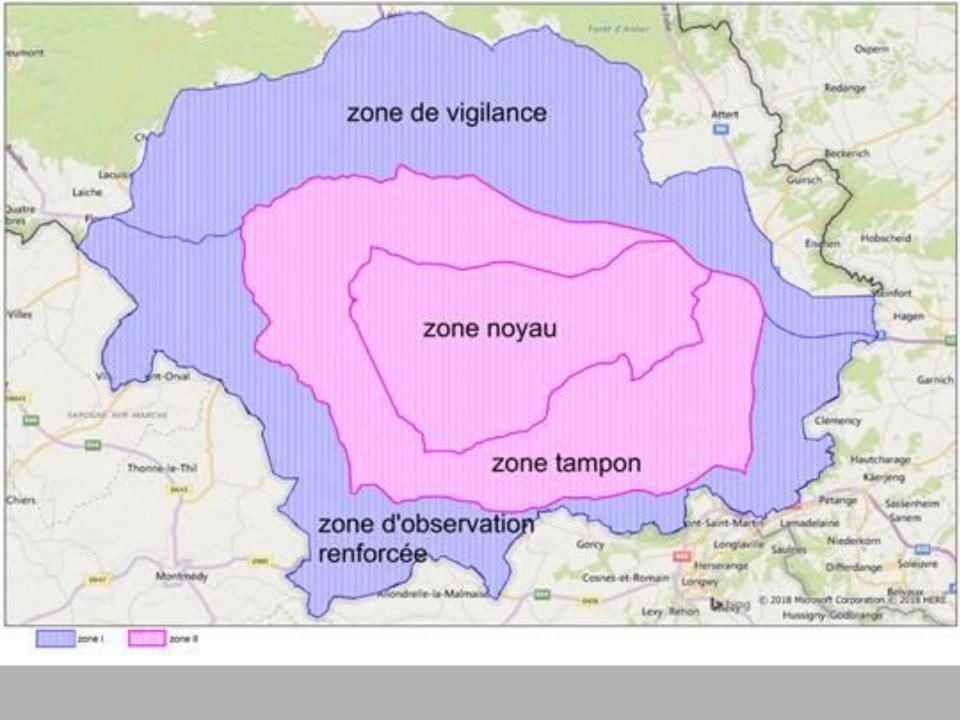
ZO: i) toutes les formes de chasse, sensibilisation des chasseurs à la biosécurité, ii) agrainage.

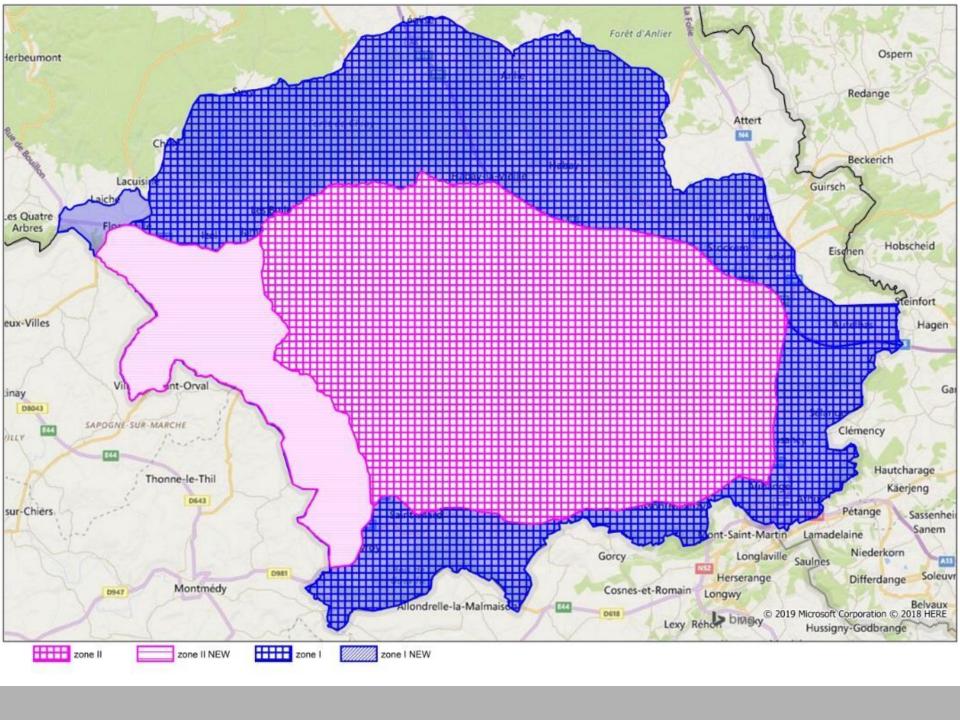


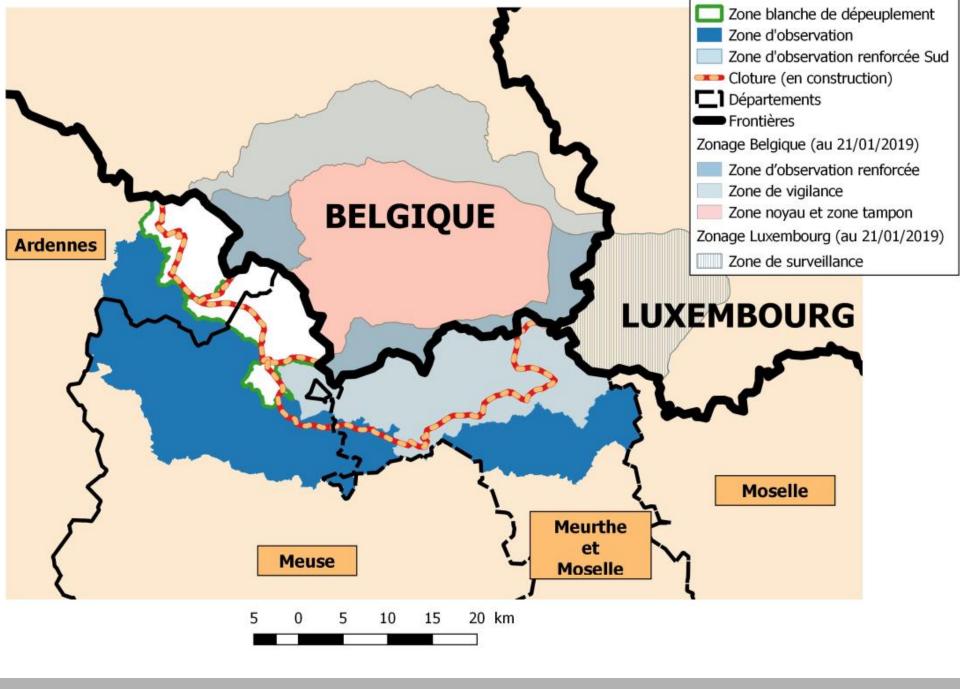
Wednesday 31-10-2018



Monday 21-01-2019







Monday 21-01-2019