



Epidemiological situation BTV-4 In France

1st December 2017



Summary



BTV-8 in France

BTV-4 in Corsica

First outbreak of BTV-4 in mainland France and restricted zones

Situation BTV-4 as at 28/11/2017

Situation of BTV-8 in Mainland France

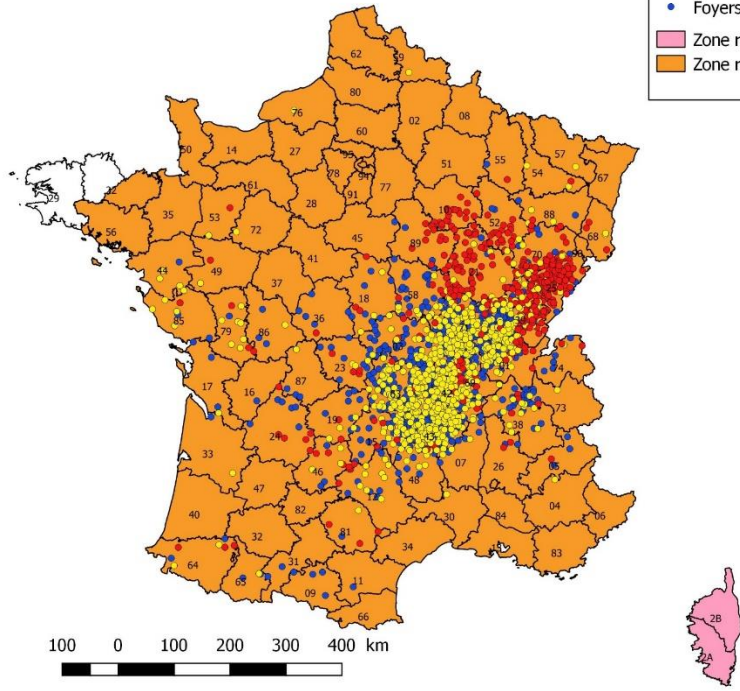


Situation du BTV-8 au 07/11/2017

- Foyers BTV 8 du 1er janvier au 23 mai 2017
- Foyers BTV 8 à partir du 24 mai 2017
- Foyers BTV 8 en 2016

■ Zone réglementée BTV 1, 2, 4, 8 et 16
■ Zone réglementée BTV 8

MINISTÈRE DE L'AGRICULTURE ET DE L'ALIMENTATION



MAINLAND France
Since September 2015:
-BTV-8 outbreaks: 2862 foyers
Included 1396 in 2017

87% movement
8% clinical
1% surveillance
4% other

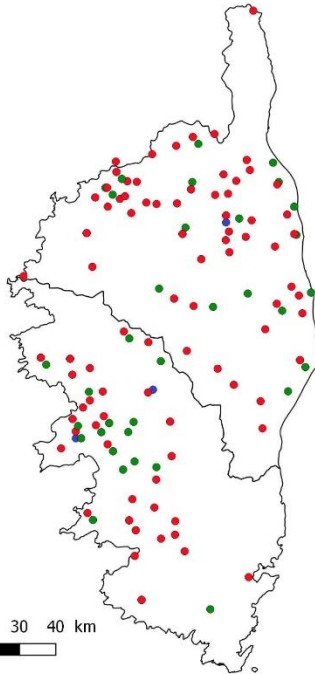
Situation BTV-4 in Corsica



-223 outbreaks in 2017 (29/11/2017)

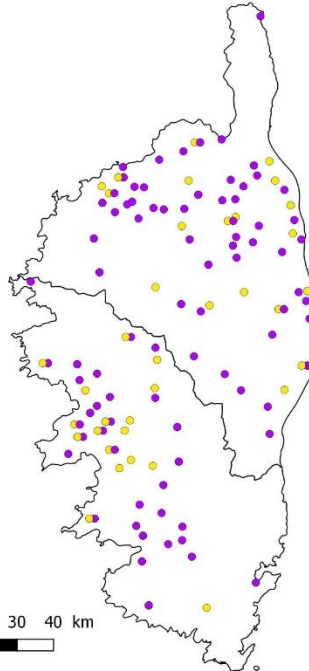
Foyers BTV-4 par espèce

- FOYERS
- Bovins
 - Caprins
 - Ovins



Foyers BTV-4 par modalité de surveillance

- Surveillance programmée
- Surveillance événementielle



department	Number of outbreaks	species	surveillance
2A	77	cattles	abattoir
	29	sheeps	clinical
	2	goats	clinical
2B	91	cattles	abattoir
	23	sheeps	clinical
	1	goats	clinical

First outbreak of BTV-4 in mainland France



31st October 2017: a calf was diagnosed **positive BTV-All and negative BTV-8** in an assembly center in La Loire (42)

The calf was born the 14th October 2017 in Haute-Savoie (74)

No clinical signs

The calve was transferred in an assembly center in l'Allier (03)

6th November 2017: The calf was confirmed BTV-4 positive by the National Reference Laboratory (NRL)

Additional outbreaks of BTV-4 in mainland France

departments	INSEE	CITY	Date of confirmation of the outbreaks	Number of positive animals / Number of animals sampled	Herd size
74	74206	ORCIER	06/11/2017	2/20 (calf+mother+heifer)	38
74	74156	LULLY	17/11/2017	5/180	570
74	74038	BOGEVE	24/11/2017	1/20	59
74	74153	LUCINGES	24/11/2017	1/20	203
74	74249	SAINT PAUL EN CHABLAIS	28/11/2017	1/20	71
74	74249	SAINT PAUL EN CHABLAIS	28/11/2017	1/20	94
74	74146	LARRINGES	28/11/2017	2/20	44



Control strategy

Holding of origin (74):

- NRL → PCR (All +BTV4) on all animals
- Epidemiological investigation
- Disinsectisation buildings and animals
- Movement restriction

**BTV-4 RT-PCR positives:
2 cattles (mother of the calf +
one)**

Holding in L'Allier (03):

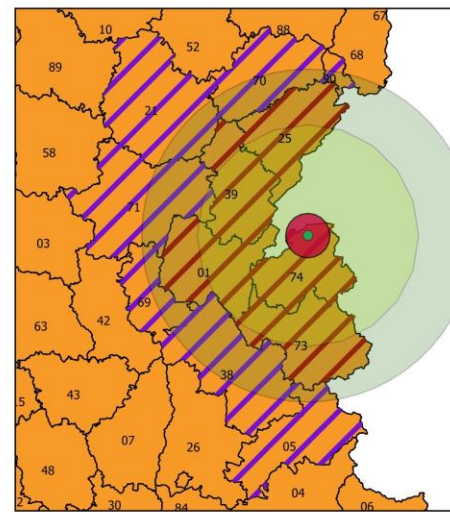
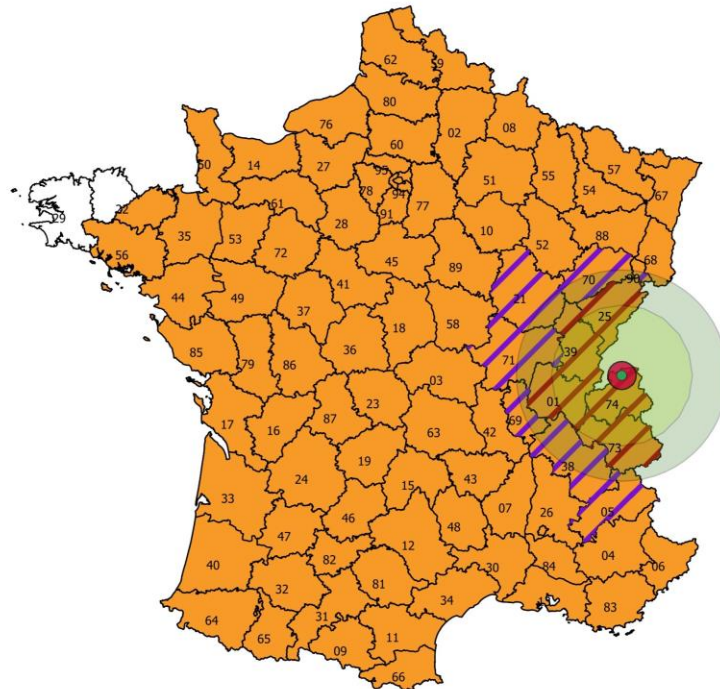
- Euthanasia of the infected calf
- Disinsectisation buildings and animals
- LDA → PCR on 100 animals (/200) in 15 days .

No RT-PCR BTV4 positive

Implementation of restricted zones

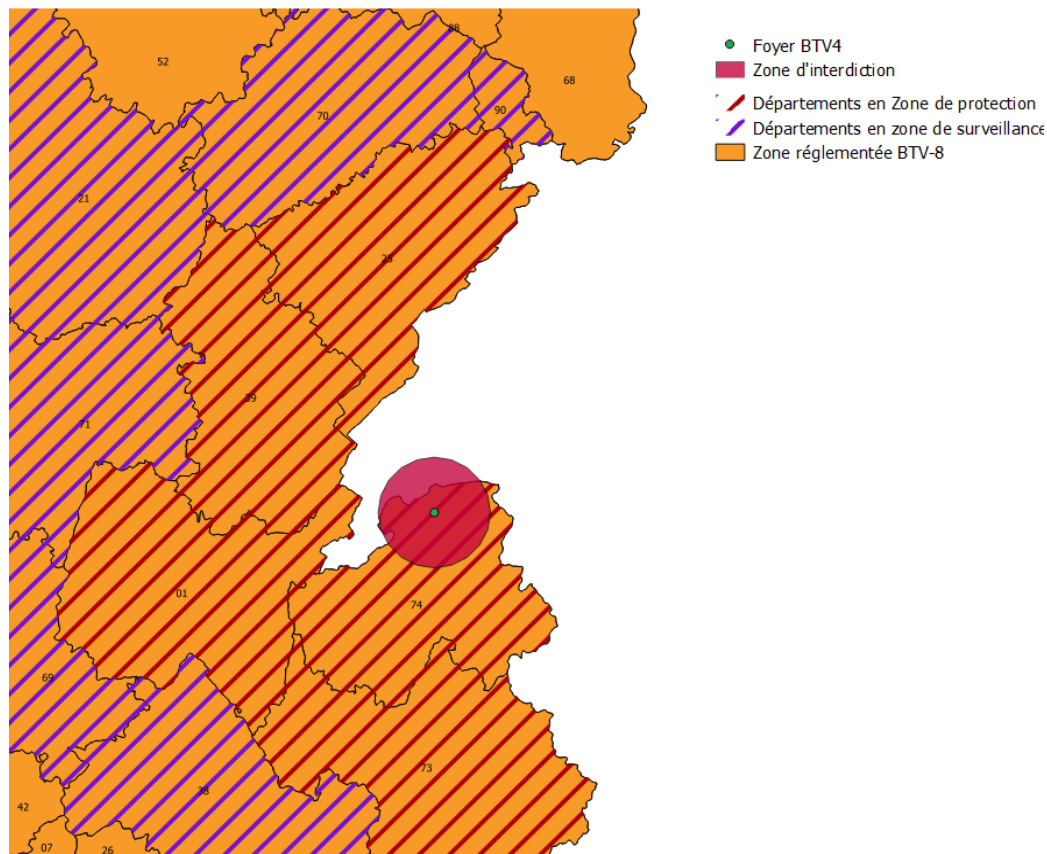
Situation BTV 4 as at 07/11/2017

- Outbreak BTV 4 in mainland France
- BTV 4: Infected zone
- Protection zone
- Surveillance zone
- Restriction zone BTV 1, 2, 4, 8 et 16
- Restriction zone BTV 8



25 0 25 50 75 100 km

20-km radius zone (74)



Movement restriction: *from an area outside through the restricted zone and from the restricted zone through areas outside*

Inside the zone (except pasture and abattoir)

Disinsectisation

Emergency vaccination:

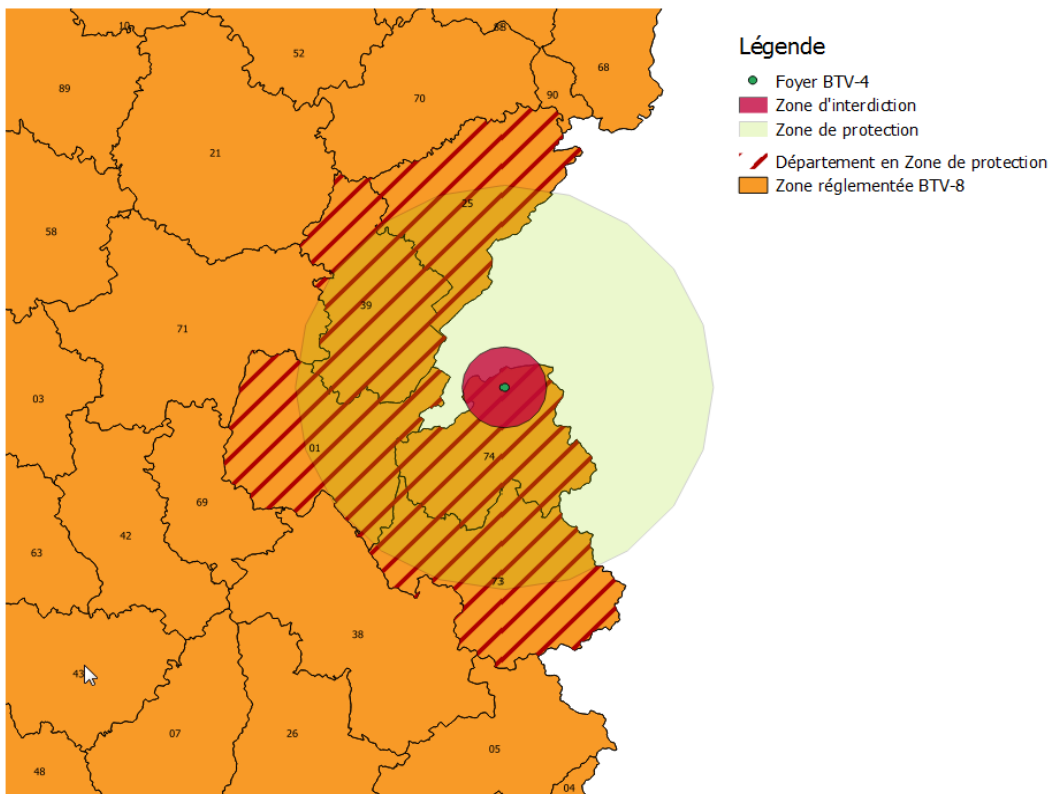
370 farms: 21000 cattles

124 farms: 2742 sheeps, 1544 goats

Virological analysis : 20 animals per farm in all farms of the 20-km radius zone (before vaccination)

Protection zone

Protection zone: Departments 01, 25, 39, 73 et 74



Movement restriction

Virological analysis (cattles): 45 farms per department, 20 animals per farm

Mandatory BTV-4 vaccination for all susceptible domestic ruminants:

779 229 cattles (8079 farms)

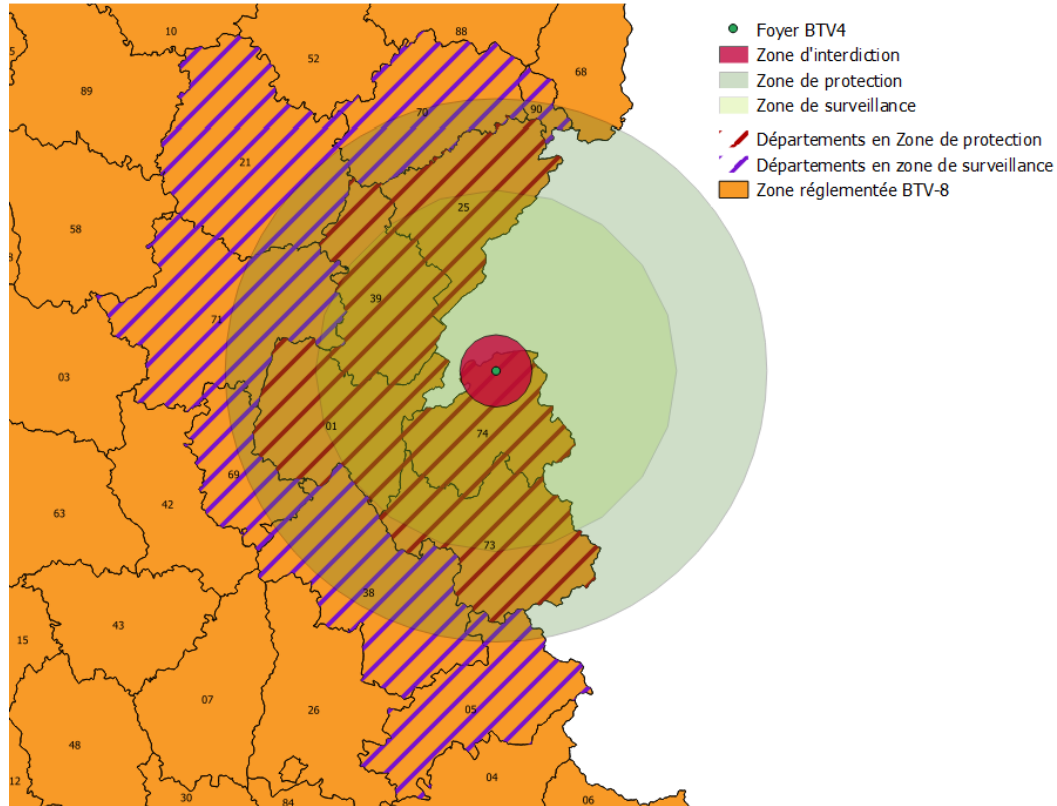
99 434 sheeps (2138 farms)

28 170 goats (890 farms)

Strengthening of clinical surveillance (sheeps/goats)

Surveillance zone

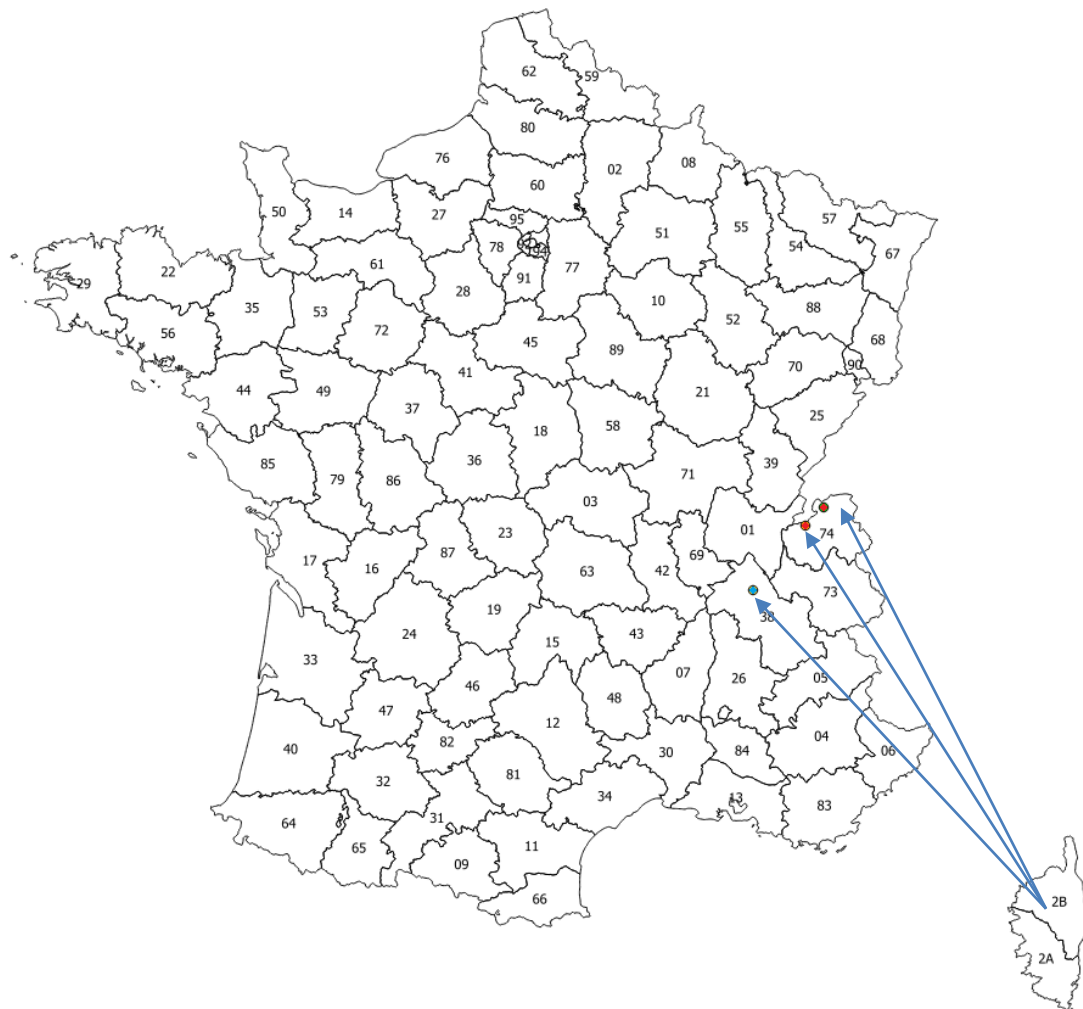
Surveillance zone: Departments 05, 21, 38, 69, 70, 71 et 90



Movement restriction
Virological analysis
(cattles): 45 farms, 20 animals per farm
Strengthening of clinical surveillance (sheeps/goats)

Epidemiological investigations (1/2)

All animals introduced from Corsica from January 2017 were identified and located (if still alive and in France)
Animals still alive were identified in 3 holdings
All animals still alive and 20 additional animals located in the same farm were sampled.





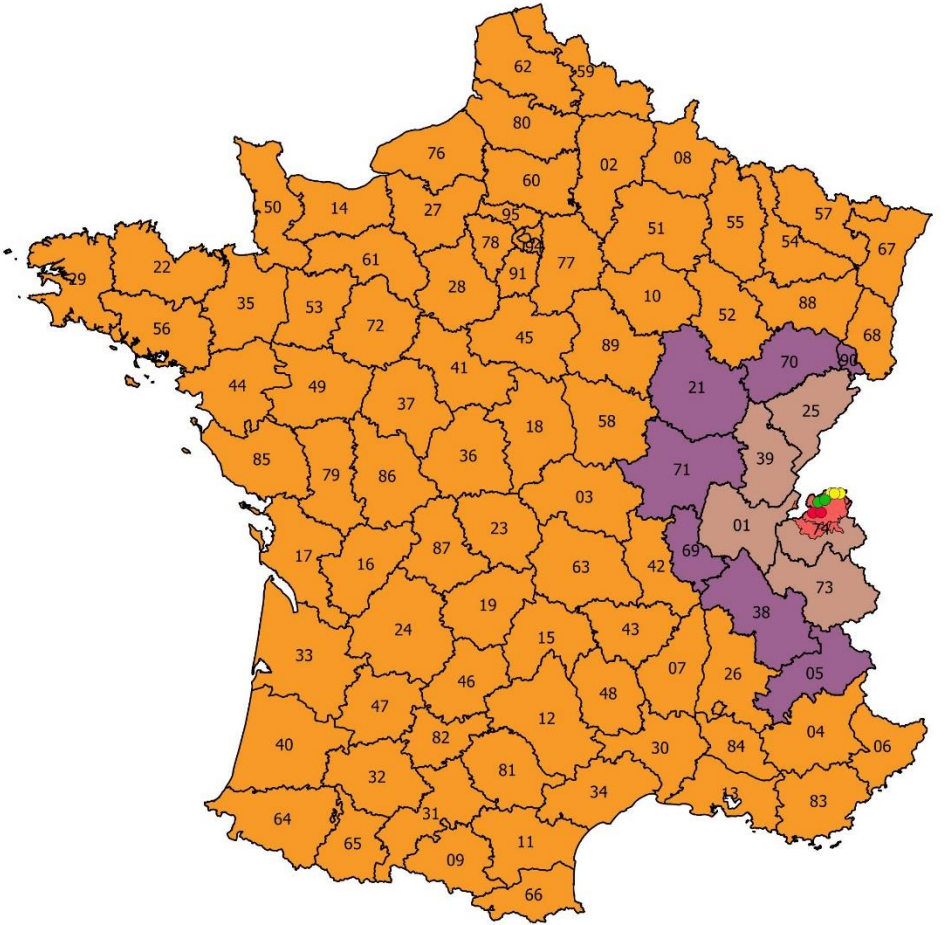
Epidemiological investigations (1/2)

→ Investigations of all animal movements from outbreaks and 20-km radius zone.
| Ongoing

Situation BTV-4 and BTV-8 as at 28/11/2017



- Outbreaks before 23.11.17
- Outbreaks 24.11.17
- Outbreaks 28.11.17
- 20-km radius zone
- Surveillance Zone
- Protection Zone
- Restricted zone BTV 8
- Restricted zone BTV 1, 2, 4, 8 & 16



BTV4 Mainland France
28/11/2017



Communication with other Member States



- Direct contact with neighbouring countries - CVO level
 - → Switzerland could be concerned by France zoning
- Spain – bilateral agreement extended to serotype 4
- Equivalence of zones : request to other MS
 - Italy, Hungaria and Slovenia : negotiations with respect of 1266/2007 (article 9 – disinsectisation of means of transport - and annex III for the BTV 8)
 - Romania – free status recognition in progress
 - Other MS : still pending



Thank you for your attention

