



**COMMISSION REGULATION (EC) No 1266/2007  
control, monitoring, surveillance and restrictions on  
movements of certain animals of susceptible species  
in relation to bluetongue**

The EU-BTNET system

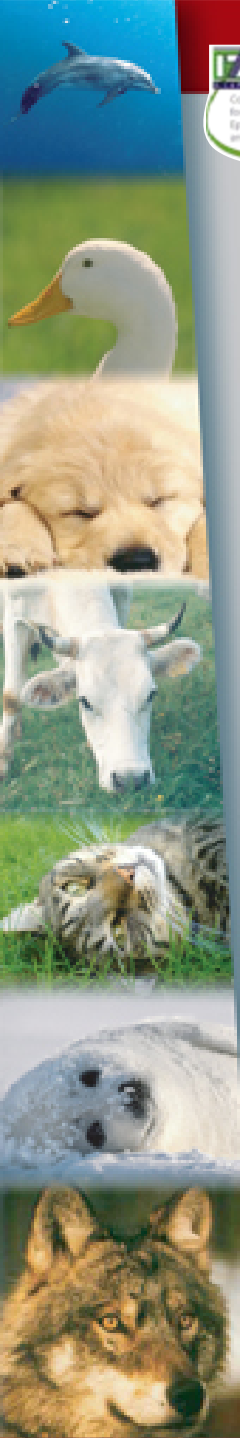
*Paolo Calistri*





# REGULATION (EC) No 1266/2007

- ❑ BlueTongue NETwork application (EU-BTNET system) is a web-based system to collect, store, and analyse bluetongue surveillance data in the Member States.
- ❑ Full use of that system is of fundamental importance to establish the most appropriate measures for **controlling the disease**, verifying their efficacy and **allowing safe movements** of **movements** of animals of susceptible species. ensure more effective and efficient exchanges of information on the bluetongue monitoring and surveillance programmes in place between the n the Member States and the Commission, those anges should therefore be carried out through the





# EU-BTNET

EUROPEAN COMMISSION  
Health and Consumer Protection  
Directorate General

Collaborating Centre for Veterinary Training, Epidemiology, Food Safety and Animal Welfare

**Surveillance network for**  
*Bluetongue*

enter

OIE Collaborating Centre for Veterinary Training, Epidemiology, Food Safety and Animal Welfare

Istituto Zooprofilattico Sperimentale dell'Abruzzo e del Molise "G. Caporale"  
Campo Boario, 64100 Teramo, Italy - Phone +39-0861-3321 Fax +39-0861-332251 e-mail: [Wmaster@izs.it](mailto:Wmaster@izs.it)

This site is compliant with Explorer 6 and later versions and Mozilla 1.5 and later versions. You must have Javascript enabled and pop-up windows enabled to visit this site. Best visualized in 1024x768 resolution.

<http://eubtnet.izs.it/btnet/index.htm>



# Data collected

Outbreaks

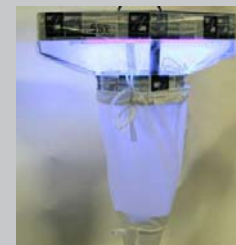


Serological / virological surveillance

Entomological surveillance



Vaccination activities





# Data sources OUTBREAKS



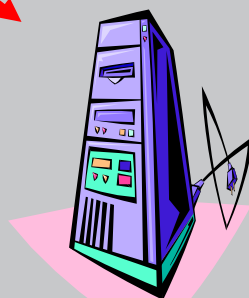
**ADNS**

EU MS

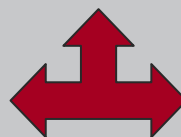


**WAHIS**

Third Countries  
Europe/Mediterranean Basin



**EU-BTNET**

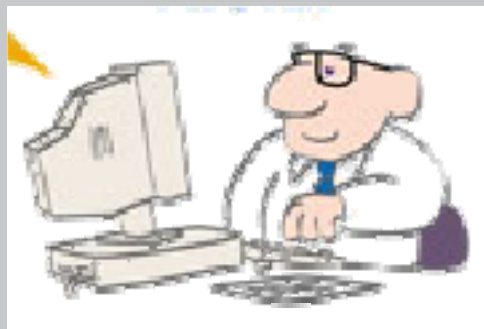


Country	CATTLE	SMALL RUMINANTS	WILD RUMINANTS	MIXED	NOT REPORTED	TOTAL
BELGIUM	561	868	-	1	2,813	<b>4,243</b>
DENMARK	-	1	-	-	-	<b>1</b>
FRANCE	1,693	309	-	2	-	<b>2,004</b>
GERMANY	6,297	4,849	-	197	51	<b>11,394</b>
LUXEMBURG	874	248	-	63	-	<b>1,185</b>
NETHERLANDS	384	1,025	-	6	1	<b>1,416</b>
SWITZERLAND	3	-	-	-	-	<b>3</b>
UNITED KINGDOM	44	5	-	-	6	<b>55</b>
<b>TOTAL</b>	<b>9,856</b>	<b>7,305</b>	<b>-</b>	<b>267</b>	<b>2,871</b>	<b>20,301</b>

updated 13/11/2007

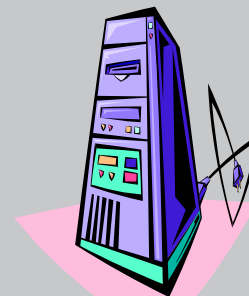
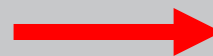
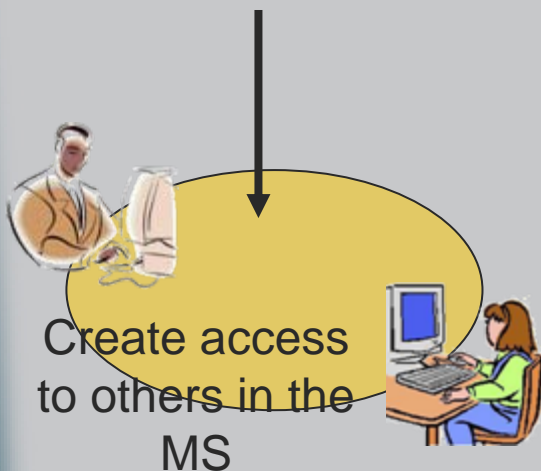
# Data sources

## SURVEILLANCE/VACCINATION



EU MS

Country Administrator



EU-BTNET

# Regulation (EC) No 1266/2007 – Art. 5

## Monthly reporting



- a. monthly report, transmitted not later than one month after the end of the reporting month, which shall contain at least:
  - i. the data on the **sentinel animals** from the bluetongue monitoring programmes in place in the restricted zones;
  - ii. the **entomological data** from the bluetongue monitoring programmes in place in the restricted zones

## Regulation (EC) No 1266/2007 – Art. 5

# Six monthly reporting



- b. intermediate report covering the first six months of the year, and transmitted each year by 31 July at the latest, which shall contain at least:
  - i. the data from the bluetongue **surveillance programmes in place outside the restricted zones**;
  - ii. the **vaccination** data from the restricted zones



## Regulation (EC) No 1266/2007 – Art. 5

# Annual reporting



- c. annual report, transmitted by 30 April of the following year at the latest, which shall contain the information referred to in points (b)(i) and (ii) for the previous year



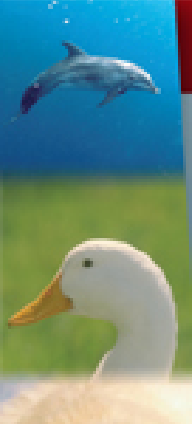


# How insert data

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Three different methods:

- on-line**: user inserts directly the single values in the database through web forms;
- off-line**: user sends a xml file through a dedicated file-submission page;
- web service**: user may insert data through web services.



# On-line insertion

Zoom to:

From:     
To:

Vector:

- C. Nubeculosus complex
- C. dewulffii
- C. imicola group
- C. obsoletus sensu strictu
- C. scoticus
- Obsoletus complex
- Pulicaris complex

**Legend**

- catch sites
- vector species
- entomological activity
- cities
- countries
- administrative divisions
- rivers and lakes
- elevation map

**Click on the Administrative Region**

# On-line insertion

## Cathes Site Detail

Catch Site Code*	Country	Latitude (DD.DDDDDD)	Longitude (DD.DDDDDD)	
001FG0224614	ITALY	0.000000	0.000000	
001FG0274615	ITALY	0.000000	0.000000	
001FG0374616	ITALY	41.172980	15.286380	
001FG0464617	ITALY	41.190160	15.344630	
002FG0154636	ITALY	41.246840	15.325530	
002FG0204637	ITALY	41.400600	15.104990	
002FG0254638	ITALY	41.260670	15.365670	
002FG0494639	ITALY	0.000000	0.000000	
002FG0544640	ITALY	41.444600	15.164000	VALIDATED
004FG0024687	ITALY	41.759910	15.506900	VALIDATED

Records 1 to 10

## Entomological Catches

Enter values for new Entomological Catches record

Date of Culicoides collection\*:  *Calendar*  
 Total number of Culicoides spp. Collected\*:   
 Min Temperature:   
 Max Temperature:

## Cathes Site Detail

Enter values for new Cathes Site Detail record

Catch Site Code\*:   
 Latitude (DD.DDDDDD):   
 Longitude (DD.DDDDDD):

# On-line insertion

## Serological Surveillance

Year*	Month*	Type of serological surveillance*	Species*	Method*	Serotype	Date last modification
2007	September	Sentinel animals	CATTLE	ELISA		14-NOV-2007
2007	August	Sentinel animals	SHEEP	ELISA		14-NOV-2007
2007	August	Sentinel animals	CATTLE	ELISA		14-NOV-2007
2007	July	Sentinel animals	CATTLE	ELISA		14-NOV-2007
2007	July	Sentinel animals	SHEEP	ELISA		14-NOV-2007
2007	June	Sentinel animals	CATTLE	ELISA		14-NOV-2007
2007	May	Sentinel animals	SHEEP	ELISA		14-NOV-2007
2007	May	Sentinel animals	CATTLE	ELISA		14-NOV-2007
2007	April	Sentinel animals	CATTLE	ELISA		14-NOV-2007
2007	April	Sentinel animals	SHEEP	ELISA		14-NOV-2007
2007	March	Sentinel animals	CATTLE	ELISA		14-NOV-2007
2007	February	Sentinel animals	CATTLE	ELISA		14-NOV-2007
2007	October	Sentinel animals	Not defined	ELISA		14-NOV-2007
2007	October	Sentinel animals	SHEEP	ELISA		14-NOV-2007
2007	October	Sentinel animals	CATTLE	ELISA		
2007	January	Sentinel animals	CATTLE	ELISA		
2006	September	Sentinel animals	CATTLE	Serum neutralisation	Seroty	
2006	September	Sentinel animals	CATTLE	Serum neutralisation	Seroty	

Records 1 to 18

## Serological Surveillance

Enter values for new Serological Surveillance record

**Year\*:**  [List](#)  
**Month\*:**   
**Type of serological surveillance\*:**  [List](#)  
**Species\*:**  [List](#)  
**Method\*:**  [List](#)  
**Serotype:**   
**Number of tested animals\*:**   
**Number of positive animals\*:**



# Off-line insertion

EUROPEAN COMMISSION Health and Consumer Protection Directorate General

Collaborating Centre for Veterinary Training Epidemiology, Food Safety and Animal Welfare

Surveillance network for *Bluetongue*

Home Site map News Search Contact

**Welcome**  
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- LEGISLATION
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- TOOLS
- EPIDEMIOLOGICAL DATA**
- LINKS

## Bluetongue database updating with Serological Data

Select your file  Sfoglia...

Send

# Regulation (EC) No 1266/2007 – Art. 8 Designated Slaughterhouse



EUROPEAN COMMISSION Health and Consumer Protection Directorate General

Collaborating Centre for Veterinary Training Epidemiology, Food Safety and Animal Welfare

Surveillance network for *Bluetongue*

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- LINKS

## List of designed slaughterhouses

Enter query criteria for List of designed slaughterhouses

Authorization Code\*:

Owner/Denomination\*:

Location/City:


Administrative Unit\*:  *List*

Capacity/day:  to

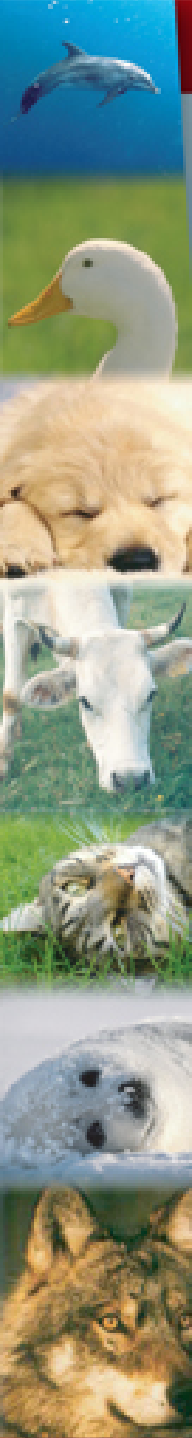
Validity From\*:  *Calendar* to  *Calendar*

Validity To\*:  *Calendar* to  *Calendar*

## List of designed slaughterhouses

Authorization Code	Denomination	Country	Administrative Unit	Location	Capacity/day	Validity From	Validity To	Status
qweqweqw	wqe qwe	AUSTRIA	BLUDENZ VIII. VORARLBERG	qweqweq	100	01-NOV-2007	30-NOV-2007	

Record 1



# GIS tools

Surveillance network for *Bluetongue*

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- EPIDEMIOLOGICAL DATA**
- LINKS



BTV



BTV  
Ser  
sur

Data Source

## Maps

Surveillance network for *Bluetongue*

BTV OCCURRENCE

Zoom to: -

From: 2000 To: 2007

Species:  CATTLE  GOATS  SHEEP  WILD RUMINANTS  [Not defined]

Serotype:  Serotype 1  Serotype 2  Serotype 3  Serotype 4  Serotype 5

Update

Legend

- outbreaks
- BTV distribution
- cities
- countries
- administrative divisions
- rivers and lakes
- elevation map

Update

# Public Report

## BLUETONGUE EPIDEMIOLOGICAL SITUATION in EU MEMBER STATES and THIRD COUNTRIES

Period

1<sup>st</sup> May – 13<sup>th</sup> November

### Source of data

Data on bluetongue outbreaks and BTV occurrence in EU Member States derive from the European Commission's Animal Disease Notification System (ADNS - [http://ec.europa.eu/food/animal/diseases/adns/index\\_en.htm](http://ec.europa.eu/food/animal/diseases/adns/index_en.htm)), whereas the information regarding the bluetongue situation in third countries is collected from data published by the World Organisation for Animal Health - OIE ([http://www.oie.int/eng/en\\_index.htm](http://www.oie.int/eng/en_index.htm)). In both cases, the data used by EU-BTNET for the preparation of this report are notified to these systems by the authorities in the countries themselves. The data related to the activities performed in the EU Member States under the national serological/virological and entomological surveillance plans are entered directly by the authorities in the EU Member States into the EU-BTNET system, according to the provisions included in Commission Regulation (EC) No 1266/2007 of the European Commission laying down additional measures on control, monitoring, surveillance and restrictions of movements of susceptible animals in relation to bluetongue.

- Bluetongue outbreaks and BTV occurrence (ADNS data)
- Entomological surveillance
- Serological/virological surveillance on sentinel animals

# Public Report

**Table 1 - NUMBER OF OUTBREAKS since 1<sup>st</sup>May**

Country	CATTLE	SMALL RUMINANTS	WILD RUMINANTS	MIXED	NOT REPORTED	TOTAL
BELGIUM	561	868	-	1	2,813	4,243
DENMARK	-	1	-	-	-	1
FRANCE	1,693	309	-	2	-	2,004
GERMANY	6,297	4,849	-	197	51	11,394
LUXEMBURG	874	248	-	63	-	1,185
NETHERLANDS	384	1,025	-	6	1	1,416
SWITZERLAND	3	-	-	-	-	3
UNITED KINGDOM	44	5	-	-	6	55
<b>TOTAL</b>	<b>9,856</b>	<b>7,305</b>	<b>-</b>	<b>267</b>	<b>2,871</b>	<b>20,301</b>

updated 13/11/2007

In Figure 1 the number of outbreaks per square kilometre is reported - BTV8 (quantile scale).

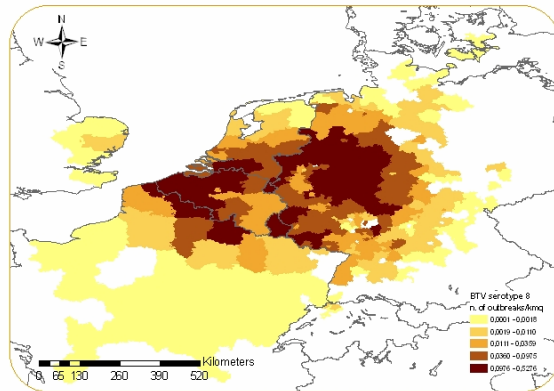
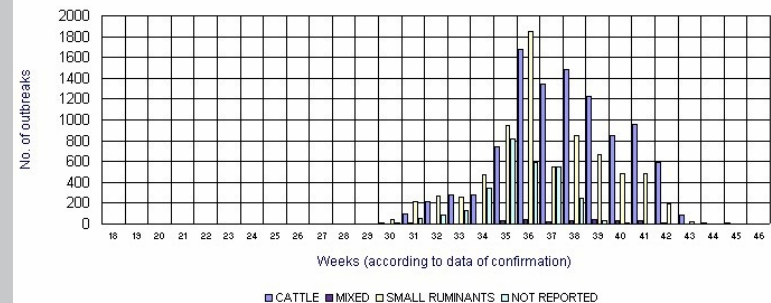


Figure 1

**Figure 2 - NUMBER OF OUTBREAKS per week, species and Serotype 8**



**Table 3 - OUTBREAKS IN CATTLE HERDS since 1<sup>st</sup> of May**

Country	N. of outbreaks	% of outbreaks for which data on animals are available	Total animal in the outbreaks	Cases	Dead	Killed	Destroyed
BELGIUM	561	33.7%	59,923	874	119	-	-
FRANCE	1,693	100.0%	255,357	3,553	-	-	-
GERMANY	6,297	99.6%	626,911	10,960	661	-	229
LUXEMBURG	874	100.0%	133,152	1,209	-	-	1
NETHERLANDS	384	99.9%	37,775	1,068	-	-	-
SWITZERLAND	3	100.0%	199	8	-	-	1
UNITED KINGDOM	44	100.0%	4,783	101	-	-	-
<b>TOTAL</b>	<b>9,856</b>		<b>1,118,100</b>	<b>17,773</b>	<b>780</b>	<b>-</b>	<b>231</b>

updated 13/11/2007

**Table 4 - OUTBREAKS IN SMALL RUMINANTS FLOCKS since 1<sup>st</sup> of May**

Country	N. of outbreaks	% of outbreaks for which data on animals are available	Total animal in the outbreaks	Cases	Dead	Killed	Destroyed
BELGIUM	868	33.7%	110,062	1,114	2,295	-	-
DENMARK	1	100.0%	250	1	1	-	-
FRANCE	309	100.0%	13,675	537	2	-	-
GERMANY	4,849	99.6%	308,791	11,289	4,924	-	264
LUXEMBURG	248	100.0%	4,176	311	2	-	-
NETHERLANDS	1,025	99.9%	62,478	2,248	9	-	-
UNITED KINGDOM	5	100.0%	3,577	6	-	-	-
<b>TOTAL</b>	<b>7,305</b>		<b>503,009</b>	<b>15,506</b>	<b>7,233</b>	<b>-</b>	<b>264</b>

updated 13/11/2007

## Evolution of BTV8 epidemic

- by admin. Regions
- by locations