



EUROPEAN COMMISSION
HEALTH & CONSUMERS DIRECTORATE-GENERAL

Unit G5 - Veterinary Programmes

SANCO/10752/2012

*Programmes for the eradication, control and monitoring of certain
animal diseases and zoonoses*

Survey programme for Transmissible Spongiform Encephalopathies (TSEs)

Approved* for 2012 by Commission Decision 2011/807/EU

Slovenia

* in accordance with Council Decision 2009/470/EC

Standard requirements for the submission of programmes of eradication and monitoring of TSE

version : 2.1

1. Identification of the programme

Member state : SLOVENIJA

Disease : Transmissible Spongiform Encephalopathies

Request of co-financing for the year :

2012

1.1 Contact

Name : Ivan Ambrožič

Phone : +386 1 300 13 10

Fax : + 386 1 300 13 56

Email : ivan.ambrozic@gov.si

2. Description of the programme

(max. 32000 chars) :

This is the programme for monitoring, control and eradication of BSE/TSE in 2012. The tests for BSE/TSE will continue in the Republic of Slovenia under the following programme:

A. Bovine animals (BSE):

- In all the bovine animals, irrespective of their age, in the BSE suspect cases;
- In all the bovine animals slaughtered for human consumption, as referred to in the first and second indents of point 2.1. of Part I of Chapter A of Annex III to the Regulation (EC) No 999/2001, and which are aged over 24 months;
- In all the bovine animals slaughtered for human consumption, as referred to in point 2.2. of Part I of Chapter A of Annex III to the Regulation (EC) No 999/2001, which have been born in a country indicated in the Annex to Decision 2009/719/EC, and which are aged over 72 months;
- In all the bovine animals slaughtered for human consumption, as referred to in point 2.2. of Part I of Chapter A to Annex III to the Regulation (EC) No 999/2001, which have not been born in a country indicated in the Annex to Decision 2009/719/EC, and which are aged over 30 months;
- In fallen or killed bovine animals as referred to in point 3.1. of Part I of Chapter A of Annex III to the Regulation (EC) No 999/2001, and which are aged over 24 months.

Standard requirements for the submission of programmes of eradication and monitoring of TSE

version : 2.1

B. Ovine and caprine animals (TSE):

- In all the ovine and caprine animals, irrespective of their age, in the TSE suspect cases;
- In 500 fallen or killed ovine and 100 fallen or killed caprine animals aged over 18 months, or in which more than two permanent incisor teeth have penetrated the gum, in compliance with Annex III to the Regulation (EC) No 999/2001;
- monitoring of infected flocks (slaughtered and non-slaughtered animals) – minimum sample size in accordance with Annex III and Annex VII to TSE Regulation;

C. Ovine and caprine animals (genotyping):

- genotyping of each positive TSE case in sheep,
- genotyping of randomly selected sheep from flocks in eradication,
- genotyping under the requirements of eradication – genotyping and partial depopulation of infected flocks,
- genotyping of breeding sheep under the framework of a breeding programme as established in Chapter B, Annex VII of TSE Regulation
- genotyping of randomly selected sheep from flocks.

D. Eradication of TSE: killing and complete destruction of animals under the requirements of Annex VII of the Regulation (EC) No 999/2001.

E. Discriminatory testing of all animals which are regarded as positive Scrapie cases

3. Description of the epidemiological situation of the disease

(max. 32000 chars) :

BSE

In order to assess the situation, the Republic of Slovenia has been carrying out the BSE monitoring programme since 1996. Since the beginning of 2001, i.e. upon the introduction of the rapid post mortal test to diagnose BSE, eight BSE positive cases were confirmed in Slovenia. Five cases were confirmed in fallen stock within the monitoring and surveillance programme, two cases were confirmed in healthy slaughtered cows and the last case was found in a slaughtered animal showing clinical signs at ante-mortem examination.

TSE in small ruminants

Monitoring of sheep and goats:

Every year, the Minister of Agriculture, Forestry and Food issues the Decree on the systematic monitoring of animal diseases and vaccination for that particular year, including at least the tests required in Annex III to Regulation (EC) No 999/2001. The sampling and test costs are covered by the State.

TSE monitoring of ovine and caprine animals started in Slovenia in 2002, when we tested 384 sheep and 182 goats. In July 2004 we detected the first TSE-case in sheep (first Classical Scrapie case in Slovenia), in a farm with approximately 900 animals. Until the end of 2010 we confirmed 172 ovine and 4 caprine Classical Scrapie cases, and among them, 9 primary cases and 171 secondary cases.

Standard requirements for the submission of programmes of eradication and monitoring of TSE

version : 2.1

TSE-suspects and TSE-positive cases

All TSE-suspect cases in sheep and goats must be reported immediately. Livestock owner must provide all necessary assistance to the authorities. All cases notified as suspect are subject to official veterinary supervision: TSE-suspects and TSE-positive animals shall not be placed on the market, and the farm shall be placed under temporary restrictions, by:

- restriction on animal movements;
- requiring dead animal carcasses to be collected in the collection centres approved according to Regulation (EC) No 1774/2002;
- banning the on-farm slaughter of animals intended for the household consumption;
- specifying the species and number of animals affected by the restrictions.

Once notified, the relevant VARS Regional Office shall immediately delegate an official veterinarian to conduct the enquiry and institute and supervise all the necessary measures. The regional authority (official veterinarian) must be in close contact with VARS Main Office.

The suspect animal shall be killed on the basis of an official decision, and the tissue samples taken shall be subjected to laboratory diagnosis. If the suspicion is not confirmed by laboratory testing, the restrictions must be lifted immediately.

If a case of TSE in sheep or in goats is confirmed by laboratory testing, the measures in accordance to Article 13 and Annex VIII Regulation (EC) No 999/2001 shall be introduced. As first measure all animals in the flock must be identified individually. An intensive epidemiological investigation must be carried out around the positive case. Parents, offspring and contact animals must be identified. Ova and embryos must be identified and destroyed in accordance with the Regulation (EC) No 999/2001. In Slovenia the genotyping and partial depopulation is used as the method for eradication of Scrapie. Any restocking of farms shall be carried out in accordance with the Regulation (EC) No 999/2001.

TSE-eradication measures are currently carried out in 9 holdings (in six (6) flocks with Classical Scrapie and in three (3) flocks with Atypical Scrapie).

In addition to Regulation 999/2001/EC, Classical and Atypical Scrapie eradication procedures in Slovenia are governed by the Rules on certain measures for the prevention, control and eradication of transmissible spongiform encephalopathies (UL RS 37/2010), and in accordance with Article 17 of these Rules, the Classical Scrapie eradication measures are conducted in Slovenia by eliminating animals with poor resistance or which are susceptible or most susceptible to Classical Scrapie. Without prior genotyping and by authorisation of official veterinarian, lambs and kids aged up to 3 months may be intended for slaughter in a slaughterhouse or for the animal keeper's own household consumption. Movements of such lambs and kids from the infected holding directly to a slaughterhouse within the territory of the Republic of Slovenia shall be authorised.

In ovine flocks of more than 50 pure-bred breeding sheep, where less than 50 % of animals are of the NSP1 or NSP2 genotype, the official veterinarian may, based on the breeder's application, authorise the killing and destruction of the NSP3 genotyped animals to be postponed for a period of up to five breeding years. In the relevant ovine flock, during the 5-year period, only the rams of the ARR/ARR genotype may be used for mating. Ewes of the NSP4 and NSP5 genotypes and rams of the NSP2, NSP3, NSP4 and NSP5 genotypes shall be killed or intended for slaughter immediately after the genotyping results have been known.

Notwithstanding the provisions in the preceding paragraph, the postponement of killing and destruction of the NSP3 ewes in case that the presence of Classical Scrapie is officially confirmed in an ovine flock, producing milk intended for placing on the market, may be authorised for a period of up to a maximum of 18 months.

Standard requirements for the submission of programmes of eradication and monitoring of TSE

version : 2.1

As long as, in accordance with point 2.3.(b) (ii) of Chapter A of Annex VII to Regulation 999/2001/EC, all the ewes and all the goats of the non-resistant genotypes have been culled from the flock in which the presence of Classical Scrapie has officially been confirmed, the milk and dairy products obtained therefrom, intended for the feeding of ruminants, shall not be placed on the market.

Strict conditions regarding animal movement restrictions from and to the holding were instituted at the infected holding, in accordance with point 3 of Annex VII to Regulation (EC) No 999/2001.

To date (22 April 2011), three (3) Atypical Scrapie cases have been confirmed in Slovenia.

In March 2010, the first Atypical Scrapie case was confirmed in an 8-year old ewe, which was of the ALRR/ALHQ genotype.

In April 2010, the second Atypical Scrapie case was confirmed, and the third Atypical Scrapie case was confirmed in January 2011. The second ewe was of the ALHQ/ALRQ genotype, and the third ewe was of the ALRR/ALRQ genotype.

Measures in compliance with point 5(b) of Chapter A of Annex VII to Regulation (EC) No 999/2001 were instituted at the three holdings with Atypical Scrapie.

4. Measures included in the programme

4.1 Designation of the central authority in charge of supervising and coordinating the departments responsible for implementing the programme

(max. 32000 chars) :

Implementation of programme will be controlled by VARS through the VARS Regional Offices that are competent for each relevant area.

4.2 Description and delimitation of the geographical and administrative areas in which the programme is to be applied

(max. 32000 chars) :

Programme shall be implemented in the entire territory of the Republic of Slovenia, i.e. an area of 20,000 square kilometres, which is divided into 10 VARS Regional Offices for the needs of operations of official veterinary services.

Standard requirements for the submission of programmes of eradication and monitoring of TSE

version : 2.1

4.3 System in place for the registration of holdings

(max. 32000 chars) :

It is laid down in the Veterinary Compliance Criteria Act, in Article 7(1), that the subject of veterinary controls shall be animals (including animals in establishments under this Act) at fairs, markets, shops and other sales and assembly points, exhibitions, sports events, enclosures for wild animals, herding and other public places where animals are deliberately assembled, and holdings, fairs, collection centres, assembly centres, pet animal shops, at transporters, dealers and in facilities, including installations and equipment intended for rearing and transporting animals, and in Article 7(5), that detailed conditions and the procedure of entry in the records, approval and registration are laid down by Community rules, or prescribed by the minister, unless specifically provided otherwise by Community rules.

The KGM-MID is an identification number of a holding, defining its location. It is granted to each holding upon its entry in the register of agricultural holdings.

4.4 System in place for the identification of animals

(max. 30000 chars) :

1. THE SYSTEM OF IDENTIFICATION AND REGISTRATION OF BOVINE ANIMALS

The system of identification and registration of bovine animals in Slovenia was launched in January 2001. The organizational infrastructure was defined, information infrastructure was set up, persons involved were appropriately trained, and funding was defined.

A list of animal owners and holdings was set up on the basis of the general agriculture census (SORS, June 2000), and a list of premium applicants in 2000. Each holding is assigned a unique identification number and linked to the Register of Spatial Units, which includes geographical coordinates (X, Y). Each animal owner is linked to either the Central Population Register (natural person) or the Central Register of Legal Persons (legal person).

The Central Register of Bovine Animals (CRBA) is set up as a single central database, managed at the Ministry of Agriculture, Forestry and Food. Access to the database is either interactive – via the web-based user interface and the public Internet connections, or in batch – via the XML exchange data format and the public Internet connections. The list of qualified users is stored in the database along with information on the access rights. The database itself is interlinked with several other databases in the public sector.

Animals must be tagged with double plastic yellow eartags before they are 20 days old. Eartags and replacement eartags are ordered via the central identification and registration software. All orders are controlled.

Each animal owner shall maintain an on-farm register and enter all events in seven days. The register is

Standard requirements for the submission of programmes of eradication and monitoring of TSE

version : 2.1

either in paper form (mostly using the pre-printed register provided by the MAFF) or in computerized form. Animal owner registers events (newborn animals, animals from EU Member States or imported from third countries, on-movements, off-movements), either by completing a suitable form and submitting it to the local veterinary station or an agricultural centre, or by entering the data directly into the central database.

The bovine passport is issued centrally and delivered to animal owner upon the first registration and must accompany the animal in all movements, to slaughterhouse, post-mortem facility, to a border inspection post; bovine passports of dead or exported animals shall be returned to the identification and registration service and entered into the database. Animals from the other EU Member States shall get a Slovenian passport unless they are intended for the immediate slaughter.

2. THE SYSTEM OF IDENTIFICATION AND REGISTRATION OF OVINE/CAPRINE ANIMALS

The system of identification and registration of ovine and caprine animals was launched on 1 May 2005. In November 2004, 8,700 holdings keeping sheep and/or goats had been registered in the system. Data on animal owners (name, contact data, tax number and personal ID number) and on holdings (holding code, address, geographical location) are collected.

Animals must be tagged before they are six (intensive farming) or nine (extensive farming) months old and in any case before leaving the holding of birth. Breeding animals (animals with progeny or more than 1 year old) are tagged with double tags and individual ID numbers, fattening animals are tagged with single tags and holding ID numbers. Tags are delivered via the central identification and registration system.

All animal owners must keep an on-farm register. All movements, all tag losses and replacements must be entered in the register within 7 days.

A movement document has been designed to accompany animals during movements and to facilitate reports to the central database on the on- and off-farm movements. In case of intra-community trade in or exportation of live ovine or caprine animals to third countries, the electronic identification of ovine or caprine animals shall be required as of 1.1.2010.

4.5 Measures in place as regards the notification of the disease

(max. 32000 chars) :

In accordance with paragraph 1 of Article 17 of the Veterinary Compliance Criteria Act - VCCA (UL RS 93/2005), animal keepers must immediately notify, as prescribed, the veterinary organisation in case of presence of disease or symptoms on the basis of which it may be suspected that the animal has become ill or died of a disease.

In accordance with paragraph 1 of Article 26 of VCCA, animal keepers or other natural and legal persons must communicate, as prescribed, any animal death or a dead animal carcass to an organisation carrying

Standard requirements for the submission of programmes of eradication and monitoring of TSE

version : 2.1

out the veterinary hygiene service (VHS) as public service in accordance with the regulations governing veterinary activities, and submit the dead animal carcass to that service. Prior to submission, animal keepers must handle dead animal carcasses as prescribed.

On the basis of the Rules on animal diseases (UL RS No 81/2007 and 24/2010) TSEs are compulsorily notifiable diseases. In case of suspected presence of the disease, the relevant veterinary organisation must immediately notify thereof the relevant Regional Office of VARS. The authorised laboratory must immediately notify the relevant Regional Office of VARS of the diagnostic investigation results. In case of BSE, VARS shall immediately, and no later than within 24 hours, notify of the disease the International Office of Epizootic Diseases – OIE, and the European Commission. Notification shall include all the information required, and it shall be faxed or mailed or forwarded via the ADNS and WAHIS systems.

Additionally, the notification of TSE-suspect cases is regulated in the Rules on certain measures for the prevention, control and eradication of transmissible spongiform encephalopathies (UL RS 37/2010). Article 14 of these Rules stipulates that animal keeper shall notify the competent veterinary organisation of any TSE-suspect cases. The competent veterinarian shall immediately pay a visit to the holding in question, conduct clinical examination of the animal and, based on clinical picture, whether confirm or rule out the suspected disease. If the veterinarian cannot confirm the suspicion of TSE on the basis of clinical picture alone, and if practicable in the light of the state of health of the animal, clinical examination may be repeated. On having confirmed the clinical suspicion of TSE in the animal, the veterinarian shall notify thereof the relevant VARS Regional Office, and prohibit the movements of the suspect animal from the holding.

4.6 Monitoring

4.6.1 Monitoring in bovine animals

	Estimated number of tests	
Animals referred to in Annex III, Chapter A, Part I, point 2.1, 3 and 4 of Regulation (EC) No 999/2001 of the European Parliament and of the Council	10 000	
Animals referred to in Annex III, Chapter A, Part I, point 2.2 of Regulation (EC) No 999/2001	10 500	
Other please specify here		X
	Add a new row	

4.6.2 Monitoring in ovine animals

Estimated population of adult ewes and ewe lambs put to the ram

91 928

	Estimated number of tests	

Standard requirements for the submission of programmes of eradication and monitoring of TSE

version : 2.1

Ovine animals referred to in Annex III, Chapter A, Part II, point 2 of Regulation (EC) No 999/2001	0	
Ovine animals referred to in Annex III, Chapter A, Part II, point 3 of Regulation (EC) No 999/2001	500	
Ovine animals referred to in Annex III, Chapter A, Part II, point 5 of Regulation (EC) No 999/2001	80	
Ovine animals referred to in Annex VII, Chapter A, point 3.4(d) of Regulation (EC) No 999/2001	30	
Ovine animals referred to in Annex VII, Chapter A, point 5(b)(ii) of Regulation (EC) No 999/2001	20	
Other please specify here		X
	Add a new row	

4.6.3 Monitoring in caprine animals

Estimated population of female goats and female kids mated

	Estimated number of tests	
Caprine animals referred to in Annex III, Chapter A, Part II, point 2 of Regulation (EC) No 999/2001	0	
Caprine animals referred to in Annex III, Chapter A, Part II, point 3 of Regulation (EC) No 999/2001	100	
Caprine animals referred to in Annex III, Chapter A, Part II, point 5 of Regulation (EC) No 999/2001	10	
Caprine animals referred to in Annex VII, Chapter A, Part II, point 3.3(c) of Regulation (EC) No 999/	5	
Caprine animals referred to in Annex VII, Chapter A, Part II, point 5(b)(ii) of Regulation (EC) No 999	5	
Other please specify here		X
	ADD A NEW ROW	

4.6.4 Discriminatory tests

	Estimated number of tests	
Primary molecular testing referred to in Annex X, Chapter C, point 3.2(c)(i) of Regulation (EC) No 999	5	

4.6.5 Genotyping of positive and randomly selected animals

	Estimated number	
Animals referred to in Annex III, Chapter A, Part II, point 8.1 of Regulation (EC) No 999/2001	10	

Standard requirements for the submission of programmes of eradication and monitoring of TSE

version : 2.1

Animals referred to in Annex III, Chapter A, Part II, point 8.2 of Regulation (EC) No 999/2001	100
--	-----

4.7 Eradication

4.7.1 Measures following confirmation of a BSE case

4.7.1.1 Description

(max. 32000 chars) :

BSE is officially confirmed where, after suspicion, the presence of disease is confirmed by the NRL on the basis of a histopathology, immunohistochemistry or another diagnostic method prescribed for the confirmation of BSE.

In case that NRL confirms the presence of disease by histopathology, immunohistochemistry, or by a combination of rapid tests as laid down in the third subparagraph of point 3.1, Chapter C, Annex X to Regulation (EC) No 999/2001, the results must immediately be officially communicated to VARS Chief Veterinary Officer by fax, upon a prior oral notification by phone.

Measures taken at the holding

On official confirmation of presence of BSE, the official veterinarian shall institute at the holding of the affected animal, by issuing a relevant decision, the measures (in addition to the measures to be carried out on suspicion of BSE) to be taken in accordance with Article 13 and Annex VII to the Regulation (EC) No 999/2001.

Measures taken at the slaughterhouse

Measures at the slaughterhouse shall be taken already on the basis of a positive rapid test.

All parts of the body of an animal tested for BSE including the hide shall be retained under official control until a negative result of the rapid test has been obtained, unless they are disposed of in accordance with Article 4(2)(a) and (b) of Regulation (EC) No 1774/2002 of the European Parliament and of the Council

All parts of the body, including the hide, of an animal found positive or inconclusive in the rapid test shall be disposed of in accordance with Article 4(2)(a) and (b) of Regulation (EC) No 1774/2002. The head of suspect animal shall be submitted to the NRL for further investigations.

Where an animal slaughtered for human consumption is found positive or inconclusive to the rapid test, at least the carcass immediately preceding and the two carcasses immediately following the tested positive or inconclusive animal on the same slaughter line shall be destroyed in accordance with Article 4(2)(a) and (b) of Regulation (EC) No 1774/2002, Slovenia avail derogation to destroy the aforementioned carcasses only if the result of the rapid test is confirmed to be positive or inconclusive by confirmatory examinations referred to in point 3.1(b) of Chapter C of Annex X to Regulation 999/2001/EC.

4.7.1.2 Summary table

	Estimated number	
Animals to be killed under the requirements of Annex VII, Chapter A, point 2.1 of Regulation (EC) No 999/2001	5	

Standard requirements for the submission of programmes of eradication and monitoring of TSE

version : 2.1

4.7.2 Measures following confirmation of a scrapie case

4.7.2.1 Description

(max. 32000 chars) :

If a TSE-case in sheep and goats is confirmed by laboratory testing, the restrictions in force (measures on suspicion) shall be maintained. As first measure all animals in the flock must be identified individually. Further investigations shall be carried out, including the genotyping, and killing and complete destruction of all the susceptible animals (partial depopulation) in accordance with points 2.3. b(ii) and 2.3.f of Chapter A of Annex VII to Regulation (EC) No 999/2001. An intensive epidemiological investigation shall be carried out around the positive case. Any restocking of farms shall be carried out in accordance with Regulation (EC) No 999/2001.

National Reference Laboratory carries out further diagnoses of TSE-positive cases which are not Atypical Scrapie. They carry out the discriminatory tests so as to rule out BSE. In case of BSE or BSE-like results in sheep, the entire flock would be killed and harmlessly disposed of. Until now, the final diagnosis of all the discriminatory tests was – SCRAPIE.

Derogations which may be decided on by a Member State in accordance with Annex VII to Regulation (EC) No 999/2001:

At eradication in flocks we are making use of derogation referred to in point 2.3.f of Annex VII, where due to a low frequency of the ARR allele in certain flocks we are carrying out eradication within a 5-breeding years and in case of ovine or caprine animals kept for the production of milk with a view to place it on the market the destruction may be delayed up to a maximum of 18 months.

We have approved the movements for slaughter of lambs aged up to 3 months in accordance with point 2.3. b(ii) of Annex VII to Regulation (EC) No 999/2001

4.7.2.2 Summary table

	Estimated number	
Animals to be killed under the requirements of Annex VII, Chapter A, point 2.3 of Regulation (EC) No 999/2001	150	
Animals to be genotyped under the requirements of Annex VII, Chapter A, point 2.3 of Regulation (EC) No 999/2001	200	

4.7.3 Breeding programme for resistance to TSEs in sheep

4.7.3.1 General description

Description of the programme according to the minimum requirements set out in Annex VII, Chapter B of Regulation (EC) No 999/2001

(max. 32000 chars) :

In order to obtain information on the frequency of the ARR/ARR allele in the ovine population and in the

Standard requirements for the submission of programmes of eradication and monitoring of TSE

version : 2.1

particular breeds, we conducted in Slovenia in 2004, based on Commission Decision 2002/1003/EC, a baseline study on the presence of the ARR allele in the Slovenian autochthonous sheep breeds. The baseline study showed great differences in resistance between the particular breeds. Most resistant breeds, with the highest proportion of the NSP1 and NSP2 alleles in animals, were the Bela Krajina Pramenka (54.37 %) and the Istrian Pramenka (39.7 %) breeds. The two most common and quantity-wise most important autochthonous breeds, the Bovec breed and the Jezersko-Solcava breed, turned out to be less resistant.

According to data gathered from the latest notification on the number of animals in 2010, there are 5061 holdings in Slovenia keeping at least one pure-bred breeding ovine animal, which amounts to 91.918 pure-bred breeding ovine animals in total (Data Source: IRS).

In the beginning of 2011, the breeding programme in Slovenia included 267 breeders, who are momentarily rearing 15,600 pure-bred breeding ovine animals (ewes and rams).

TSE-selection breeding programme includes sheep in controlled flocks of the following breeds:

- Jezersko-Solcava breed,
- Istrian Pramenka breed,
- Bovec breed,
- Bela Krajina Pramenka breed,
- Improved Jezersko-Solcava / (Romanov) breed.

Genotyping within the scope of the breeding programmes of Slovenian autochthonous breeds is conducted with the objective of determining the genetic resistance of ovine animals against TSEs. Objectives of the programme include the increase of the ARR allele frequency in ovine flocks and thereby the increased resistance against TSEs and, at the same time, a decreased frequency of the alleles whose susceptibility to TSEs has been proven. Thus, animals with TSE-non-resistant genotypes are culled.

Every year, VARS requires the genotyping to be conducted in accordance with the breeding programme and based on the Decree on carrying out of systematic surveillance of animal diseases and vaccination of animals. Every year, beginning in 2005, the breeders and/or breeding organisations submit to VARS Main Office a list of animals to be genotyped in accordance with the basic breeding programme. The list is accessible via the VOLOS computer application. All the test results are entered in the database which is managed centrally for the entire sphere of animal selection at the Biotechnical Faculty situated in Rodica. Breeders have direct access to all these data, including the TSE-testing results. In addition, the NVI sends to the relevant breeders all the genotyping results.

Every VARS Regional Office has direct access (via password) to the Biotechnical Faculty database (http://www.bfro.uni-lj.si/pls/oratest/drob_misc.vstop), where they may access the data on genotyping conducted and/or check the current situation at any relevant breeding holding.

A final objective of the TSE-selection programme is to obtain in all the genotype-controlled flocks a status, where all the rams will have the ARR/ARR-allele (homozygote), and all the breeding ewes in the flocks will have the ARR/ARR-allele or be of the genotype, complying with the NSP 2 (ARR/ARQ, ARR/AHQ, ARR/ARH). As envisaged, this objective could be attained within a 10-year period, i.e. by 2015, and some flocks will have reached a phase, where all the animals will have the ARR/ARR-allele / homozygote (Phase I).

Genotyping is conducted within the TSE-eradication programme. Eradication in Slovenia is carried out in such a way that, in case that Classical Scrapie would be confirmed in a flock, only animals of the non-

Standard requirements for the submission of programmes of eradication and monitoring of TSE

version : 2.1

resistant NSP5, NSP4 and NSP3 genotypes would be killed or culled. Preliminary genotyping of all the animals in the infected flock is prerequisite for implementation of this method.

In the period 2005 – 2009, 18.156 animals were genotyped in total, among them 17.954 animals were genotyped within the breeding programmes.

Plan for 2012

In the light of the state in the database, we will select all the animals which will be included into the controlled flocks, and animals belonging to flocks which will newly be included into the selection programme

4.7.3.2 Summary table

	Estimated number	
Ewes to be genotyped under the framework of a breeding programme referred to in Article 6a of Regulation (EC)	2 000	
Rams to be genotyped under the framework of a breeding programme referred to in Article 6a of Regulation (EC)	500	

Standard requirements for the submission of programmes of eradication and monitoring of TSE

version : 2.1

5. Costs

5.1 Detailed analysis of the costs

(max. 32000 chars) :

In the frame of "The programme for monitoring, control and eradication of BSE/TSE in 2012" in Slovenia we envisage 20,500 TSE rapid tests in bovine animals, 630 TSE rapid tests in ovine animals and 120 TSE rapid tests in caprine animals. In 2012, we will continue with the eradication programme in small ruminants and with the breeding programme for resistance to TSEs in sheep. In 2012, we will genotype 2,500 ovine animals in the framework of a breeding programme, 110 animals in the framework of monitoring, and 200 animals in the framework of Scrapie eradication. Compensations will be paid for 5 bovine animals and for 150 ovine and caprine animals.

Standard requirements for the submission of programmes of eradication and monitoring of TSE

version : 2.1

5.2 Summary of costs

Costs related to	Specification	Number of units	Unitary cost in EUR	Total amount in EUR	Community funding requested
1. BSE testing					
Rapid tests	Enfer TSE	16 000	27.17	434720	yes X
Rapid tests	Prionics Check Western	1 000	27.17	27170	yes X
Rapid tests	Idexx HerdChek	3 500	27.17	95095	yes X
				Add a new row	
Costs related to	Specification	Number of units	Unitary cost in EUR	Total amount in EUR	Community funding requested
2. Scrapie testing					
Rapid tests	Idexx HerdChek	750	27.17	20377.5	yes X
				Add a new row	
Costs related to	Specification	Number of units	Unitary cost in EUR	Total amount in EUR	Community funding requested
3. Discriminatory testing					
Primary molecular tests	VLA Hybrid WB	5	165.96	829.8	yes X
				Add a new row	
Costs related to	Specification	Number of units	Unitary cost in EUR	Total amount in EUR	Community funding requested
4. Genotyping					
Costs related to	Specification	Number of units	Unitary cost in EUR	Total amount in EUR	Community funding requested

Standard requirements for the submission of programmes of eradication and monitoring of TSE

version : 2.1

4.1 Determination of genotype of animals in the framework of the monitoring and eradication measures laid down by Regulation (EC) No 999/2001	Method: single nucleotide polymorphism detection SNP (136, 154, 171) in the case of undefined results - sequencing	200	14.89	2978 yes	X
4.1 Determination of genotype of animals in the framework of the monitoring and eradication measures laid down by Regulation (EC) No 999/2001	Method: single nucleotide polymorphism detection SNP (136, 154, 171, 141) in the case of undefined results - sequencing	110	23.15	2546.5 yes	X
				Add a new row	
4.2 Determination of genotype of animals in the framework of a breeding programme	Method: single nucleotide polymorphism detection SNP (136, 154, 171) in the case of undefined results - sequencing	2 500	14.89	37225 yes	X
				Add a new row	
5. Compulsory slaughter					
Costs related to					
5.1 Compensation for bovine animals to be killed /slaughtered under the requirements of Annex VII, Chapter A, point 2.1 of Regulation (EC) No 999/2001	NA	5	1200	6000 yes	X
				Add a new row	
5.2 Compensation for ovine and caprine animals to be killed /slaughtered under the requirements of Annex VII, Chapter A, point 2.3 of Regulation (EC) No 999/2001	NA	150	140	21000 yes	X
				Add a new row	
Total				647 941,80 €	

Standard requirements for the submission of programmes of eradication and monitoring of TSE

version : 2.1

Attachments

IMPORTANT :

- 1) The more files you attach, the longer it takes to upload them .
- 2) This attachment files should have one of the format listed here : [.zip](#), [.jpg](#), [.jpeg](#), [.tiff](#), [.tif](#), [.xls](#), [.doc](#), [.bmp](#), [.pna](#).
- 3) The total file size of the attached files should not exceed 2 500Kb (+- 2.5 Mb) . You will receive a message while attaching when you try to load too much.
- 4) IT CAN TAKE **SEVERAL MINUTES TO UPLOAD** ALL THE ATTACHED FILES. Don't interrupt the uploading by closing the pdf and wait until you have received a Submission Number!
- 5) Zip files cannot be opened (by clicking on the Open button) . All other file formats can be opened.