



CENTRO SERVIZI
NAZIONALE
ANAGRAFI
DEGLI ANIMALI



Italy's Banca Dati Nazionale (BDN)

Technical Session 3

Animal Identification and National Database

Chairs: Chair: Ken Evers (ICAR) | Commercio Room |
Wednesday – 3 June 2026 (14.00-16.00)

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ICAR2026
VERONA ITALY



<https://www.vetinfo.it> a unique portal for Italian vet information system



All applications are accessible from Veterinary Information System web portal www.vetinfo.it, after user authentication.

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Italian National Database (BDN) *Animal Identification and Registration System*

The BDN is operative since 2000 and collects, in accordance with Reg. EC 1720/2000, the data of all holdings and animals present on the national territory, starting from bovines.



In following years BDN included at first small ruminants (Reg. EC 21/2004) and then porcine (Dir. 2008/71/EC), poultry, equines, bees, aquaculture establishments and all breeding animals.



EC recognized the **fully operational** character of the Italian database for bovine animals with Decision of 13 February 2006.

Previous European Union Legislation

- **COUNCIL DIRECTIVE 92/102/EEC (bovine, sheeps and goats, swine)**
- **COMMISSION DECISION 93/317/EEC (bovine)**
- **COUNCIL DIRECTIVE 97/12/EC (bovine, swine)**
- **PARLIAMENT AND COUNCIL REGULATION (EC) No 1760/00 (bovine)**
- **COMMISSION REGULATION (EC) No 1082/03 (bovine)**
- **COMMISSION REGULATION (EC) No 911/04 (bovine)**
- **COMMISSION DECISION 2000/678/EC (swine)**
- **COUNCIL REGULATION 21/2004/EC (sheeps and goats)**
- **COMMISSION DECISION 2006/968/EC (sheeps and goats)**
- **COMMISSION REGULATION (EC) 1505/2006 (sheeps and goats)**
- **COUNCIL DIRECTIVE 2008/71/EC (swine)**
- **COMMISSION REGULATION (EC) 759/2009 (sheeps and goats)**
- **COMMISSION REGULATION (EC) 653/2014 (bovine)**

New EU Regulation

A revolution due to the entry into force of Regulation (EU) 2016/429, ("Animal Health Law"), which will provide for a complete reorganization of the entire BDN system closely linked to Regulation (EU) 2017/625 ("Official Controls Regulation").



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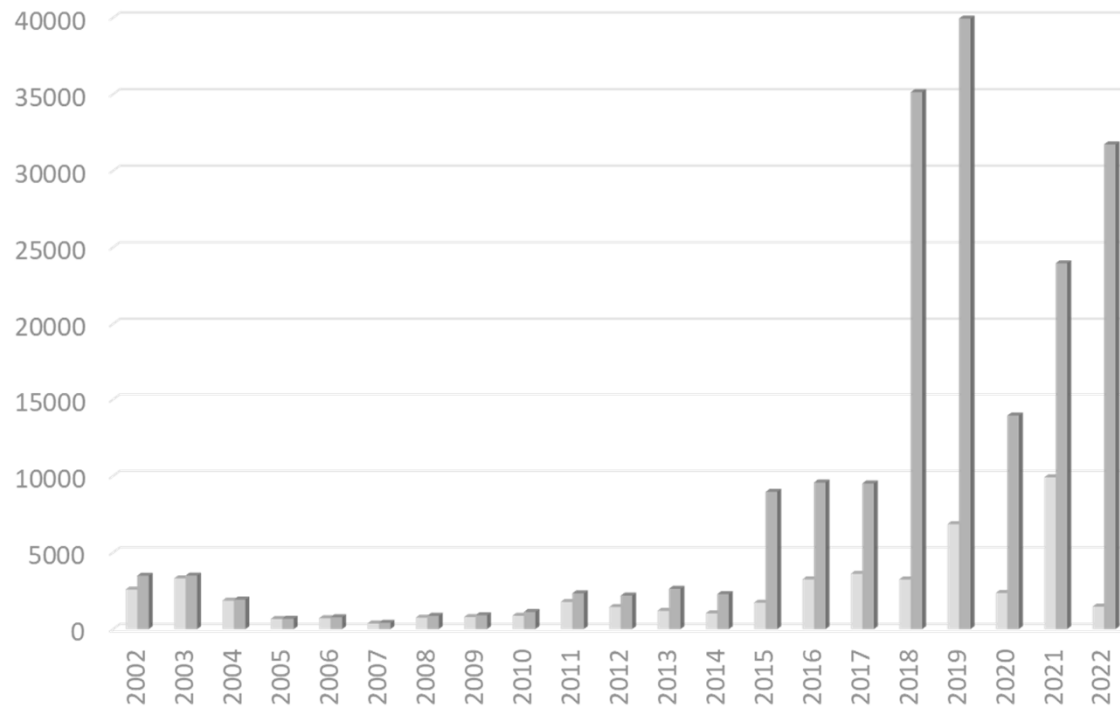


What type of users?

- Breeders and their delegates (as Private Breeder Ass.)
- Veterinary Services of Local and Regionale Health Units
- Owners of slaughterhouses
- Producers of ear tags and means for animal identification
- Public Veterinary Laboratories (IIZZSS)
- Ministry of Health (Public Veterinary of Health Department)



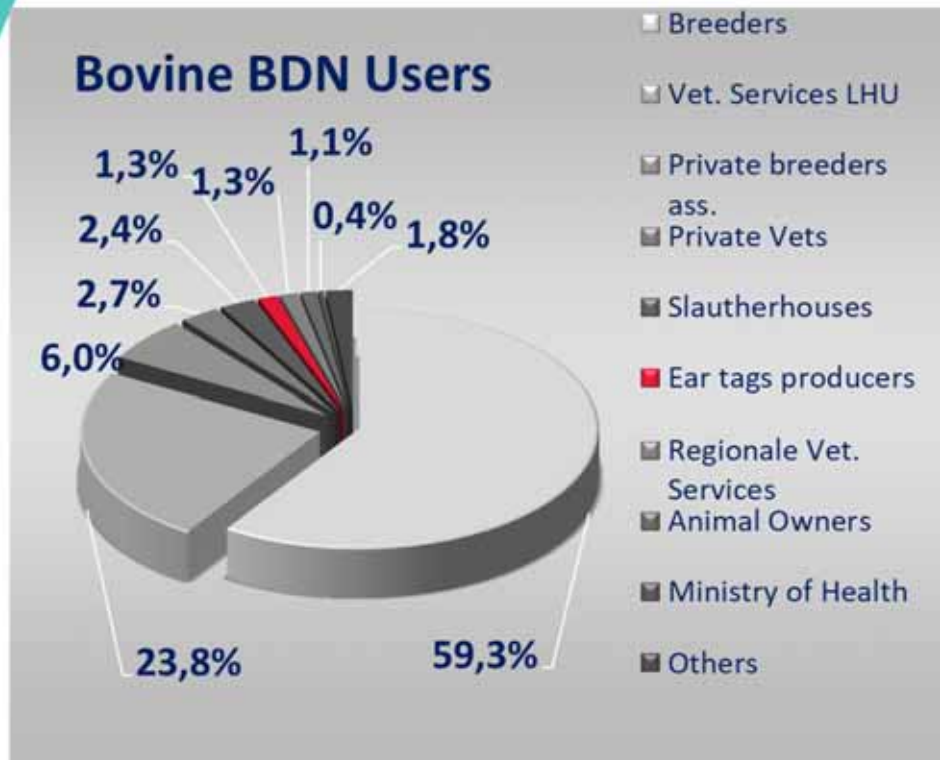
Users of Vetinfo and BDN



Since Bovine BDN startup, about **50.000** user has been activated.
About **200.000** users for all Vetinfo applications

Bovine BDN active users

In a working day more then **5.000** different users access to the Bovine BDN system (more then 15.000 every day for all applications)



- Breeders: **17.666**
- LHU Vet. Services: **7.094**
- Breeders associations: **1.774**
- Slaughterhouses: **723**
- Private Veterinaries: **802**
- Ear tags producers: **392**
- Regional Vet. Services: **376**
- Animal Owners: **323**
- Ministry of Health: **108**
- Others: **535**

User authentication and Digital certificate



Every person who enters or changes data in BDN should be recognized by the system.

Authentication is based on the technology of digital certificate or on **SPID** the Italian Public Digital Identity System that allows citizens to access the online services of Public Administrations with a single Digital Identity.



Each user must be equipped with SPID, CIE or with a valid digital certificate issued by a Certification Authority





Animal Identification and Registration system

Official National Registry for:

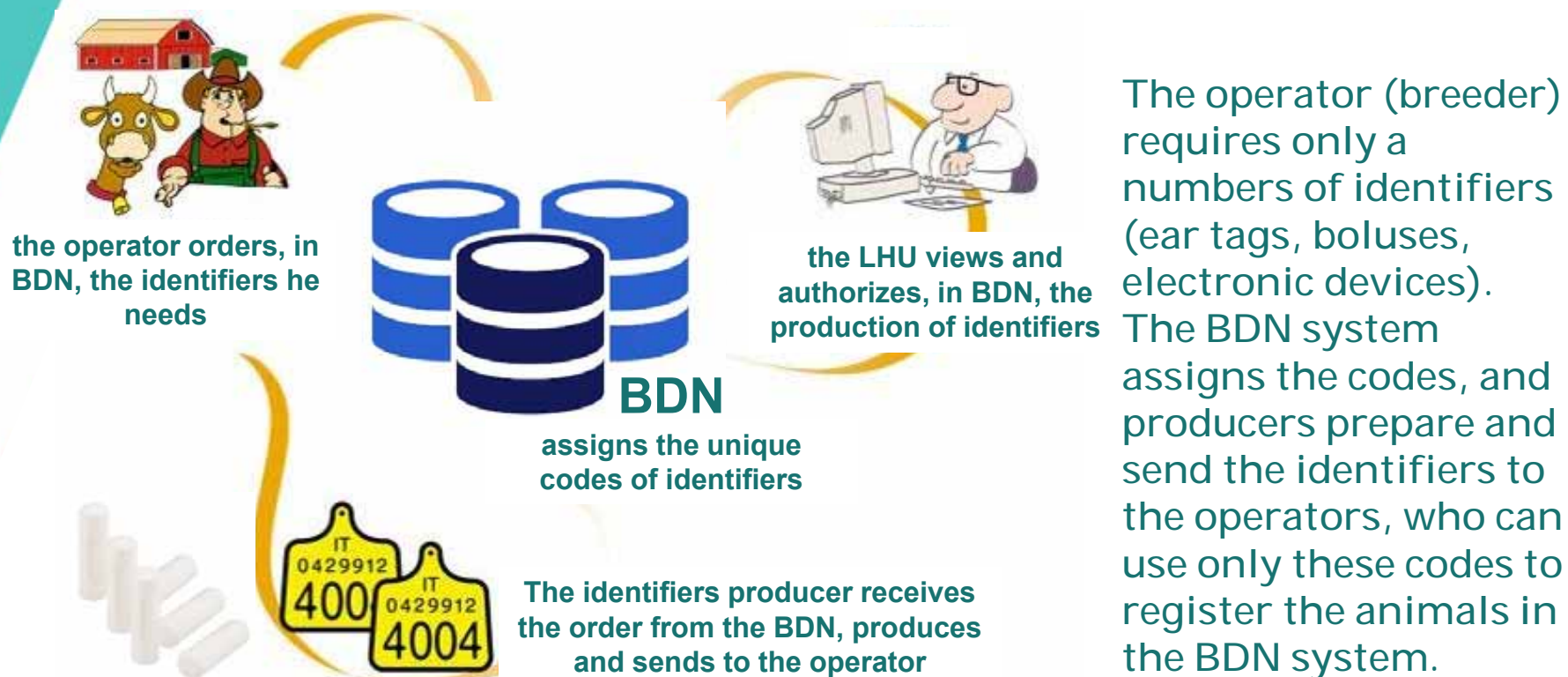
- Farms (identified by unique national farm code, address, geographical coordinates), including data on owners and keepers for the following animal species:
 - Cattle and Buffaloes, Sheep and Goats (individual level),
 - Equine, Pigs and wild boars, Poultry, Bees
 - Aquaculture establishments
- Animal movements (single or group basis)
- Slaughtering

Registration of farm and animals

Also movements and all events can be registered by the breeder (or his delegate) in real time

Users can register or update data of farms (vet. services) and animals (breeders and delegates) in real time by the web application functionalities

Request of eartag and electronic identifiers



The operator (breeder) requires only a numbers of identifiers (ear tags, boluses, electronic devices). The BDN system assigns the codes, and producers prepare and send the identifiers to the operators, who can use only these codes to register the animals in the BDN system.

Animal movements and traceability

Codice Capo: IT059990092306
Razza: FRISONA
Sexo: F
Data di Nascita: 28/10/2008

Codice Azienda	ID fiscale Allevamento	Codice Specie	Data Degradazione	Motivo Degradazione	Data Uscita	Motivo uscita	Struttura di destinazione	Passato
0592341	0000094307487	3125	28/10/2008	PLA 10 PI STALIA	28/10/2008	PLA 10 PI STALIA	0592341	
0653741	20000704082495	3125	25/02/2014	ACQUISTO				

Data on animal movements are recorded in BDN to ensure a correct animal traceability.

The system allows also issuing the computerized document (Modello 4) on animal transportation and the veterinary sanitary certificate for animal movements.

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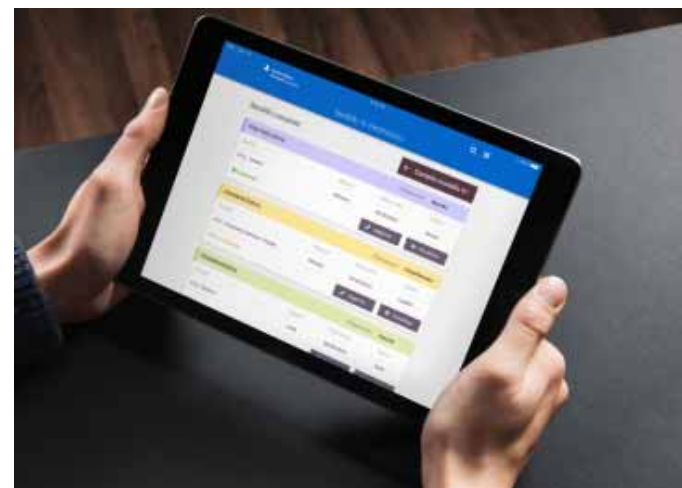
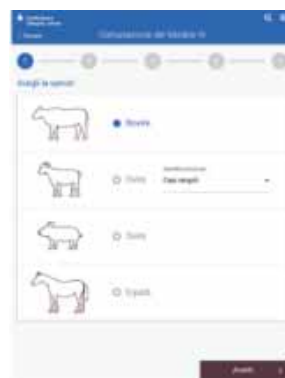
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e-Document on animal transport

A new application for mobile devices, fully integrated with the BDN, is also available to allow the registration of the transport e-Document (Modello 4) directly in the field by the breeder (the transporter or other delegate).



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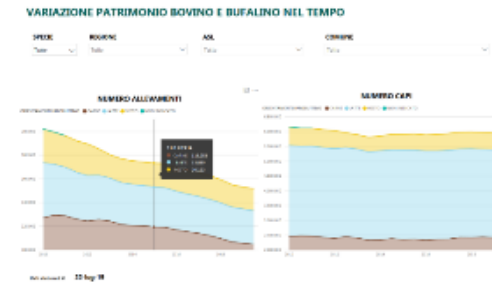
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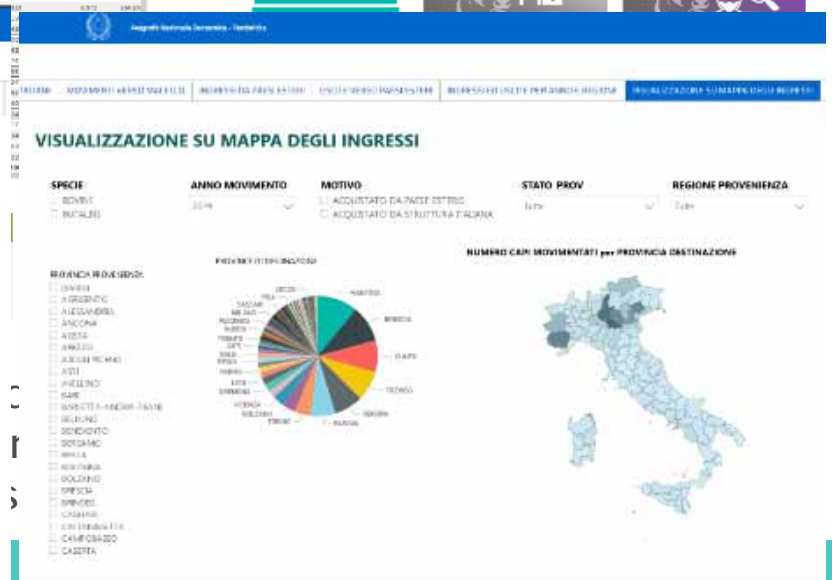
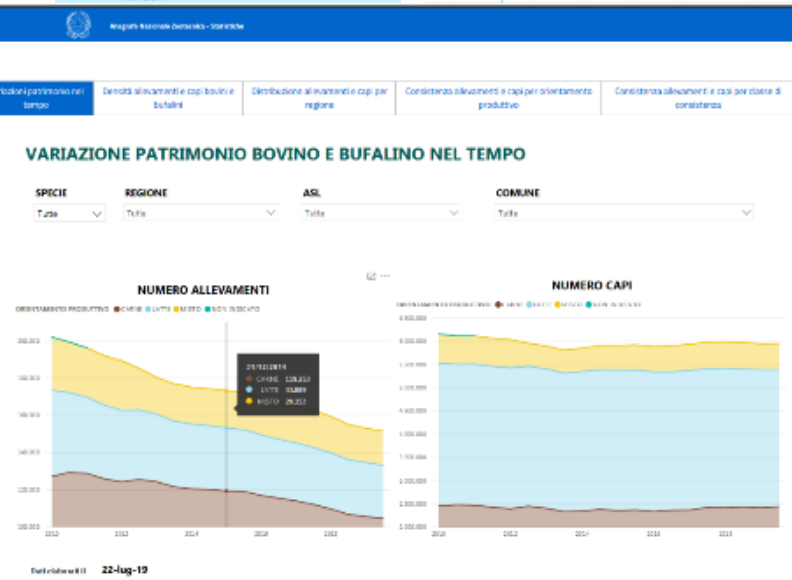
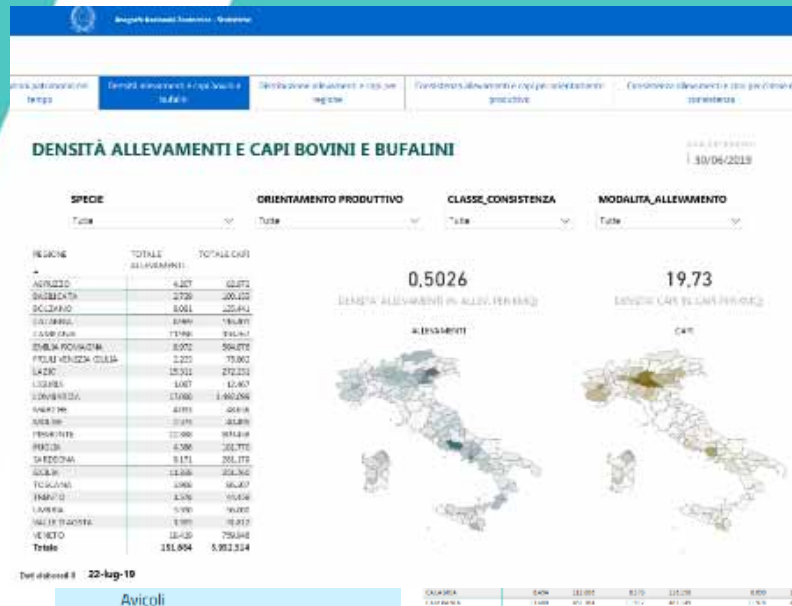


Continuous monitoring of the system

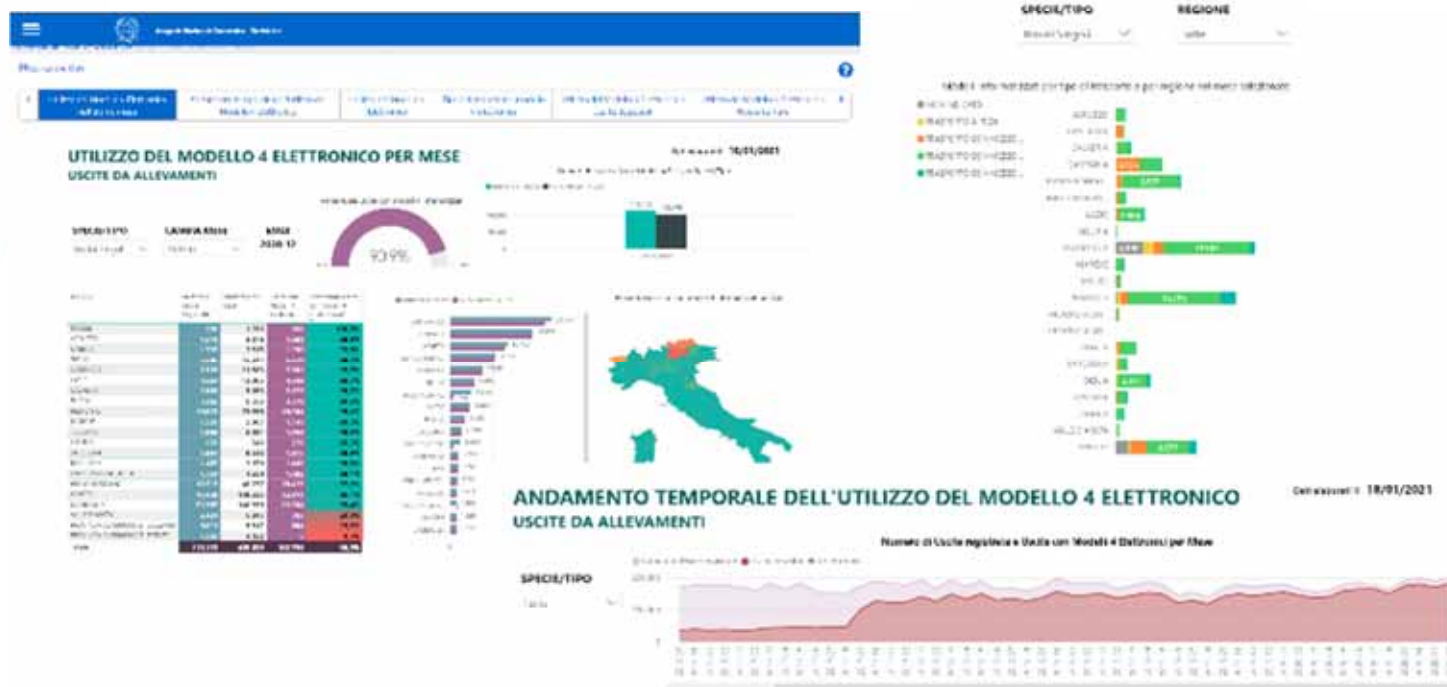
The system provides the Competent Authority with functionalities that allow the continuous monitoring of the data present in BDN, through the consultation of thematic dashboards and reports, weekly, monthly updated or every six months, of the information relating to the individual territories.



This specific application simplifies the data analysis by area of competence, and offers the possibility to act more efficiently on many risk situations, defining many "indicators" on data quality or anomalies.



Use of transport e-document (Modello 4)



A specific dashboard allows to monitor the utilization of electronic transport document during the time and for the different territories.

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Statistics on data recording time

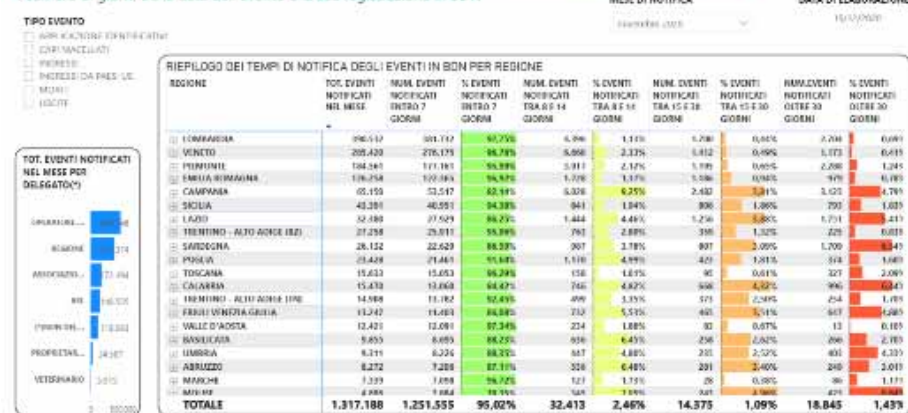
When users register in BDN information on events (identification, movement, slaughtering, etc.) the system register the timestamp and collect the notification time (data of communication of event to Competent Authority by breeder) and the registration time (data of registration of event in BDN by the breeder delegate).

If the breeder register event in BDN by himself, the notification time and the registration time is the same.

BDN provides monthly statistics on data recording time considering BDN registration time.

ANAGRAFE BOVINI E BUFALINI - TEMPI DI NOTIFICA DEGLI EVENTI IN BDN

Numero di giorni tra la data dell'evento e la sua registrazione in BDN



*) Per gli allevatori che non hanno delegato esplicito il servizio di registrazione degli eventi in BDN, per gli stabilimenti di macellazione invece i responsabili possono registrare le macellazioni anche senza delega esplicita.

Registration timing of movements

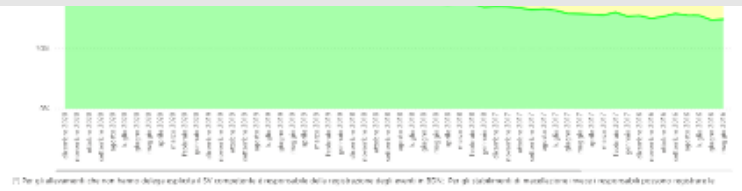
Number of entry movements registered in BDN in December 2025: **257.581**

- notified to the competent authority within **7 days**: **255.431** (99,2%)
- notified to the competent authority from **8 to 14 days**: **755** (0,3%)
- notified to the competent authority from **15 to 30 days**: **367** (0,14%)
- notified to the competent authority after **30 days**: **1.026** (0,4%)

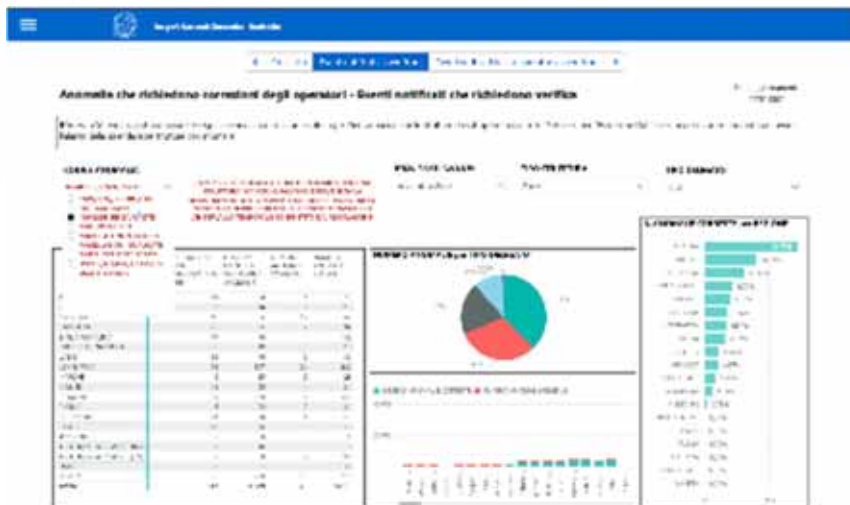
Number of exit movements registered in BDN in December 2025: **543.477**

- notified to the competent authority within **7 days**: **537.107** (98,8%)
- notified to the competent authority from **8 to 14 days**: **2.221** (0,4%)
- notified to the competent authority from **15 to 30 days**: **1.226** (0,2%)
- notified to the competent authority after **30 days**: **2.923** (0,5%)

PROFESSIONE TEMPI DI NOTIFICA DEGLI EVENTI PER NOTIZIA PER PERIZIA	TOTALE	INTEGRAZIONE	INTEGRAZIONE	INTEGRAZIONE	INTEGRAZIONE	INTEGRAZIONE	INTEGRAZIONE	INTEGRAZIONE	INTEGRAZIONE
TOTALE	257.581	255.431	755	367	1.026				



the system periodically elaborates indicators on the quality of the data recorded in BDN which are published on specific dashboards



Data quality on BDN



the system users and the Competent Authority (Vet. Services) receive periodical reports on anomalies on data registered in BDN

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Some quality indicators

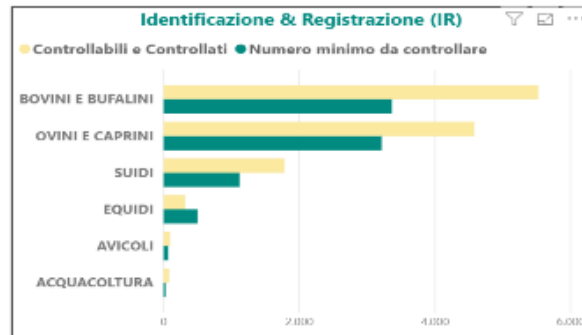
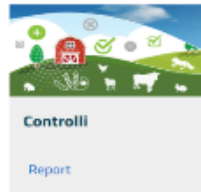
Percentage of breeding farms with:

- high presence of animals with anomalies;
- high number of twin births;
- **high percentage of identification means (eartags) substitutions;**
- anomalies in movements as exit without corresponding entry (or a slaughter notification) and *viceversa*;
- not adequate movements according to the breeding production type;
- timing of events (movements, births and deaths) registration in BDN higher than that required by legislation;
- cattle sent to slaughter with incorrect identification (only one eartag).



The monitored indicators are verified and periodically modified by the Ministry of Health and the CSN, from time to time, on the basis of new critical situations identified.

Controlli negli allevamenti



A specific Information system for registration of I&R Control activity is available for Vet. Services.

The system provides functionalities to register check-list and data collected during the control activities and public statistics on the progress and results of controls.

Data quality on BDN I&R control registration



CONTROLLO IDENTIFICAZIONE & REGISTRAZIONE

Data elaborazione 16/08/2019

ANNO	GRUPPO SPECIE	Patrimonio controllabile	% da controllare	Numero minimo da controllare
2018	BOVINI E BUFALINI	Totale delle aziende aperte con allevamenti della specie BOVINI o/o BUFALINI con almeno un capo al 31/12 dell'anno precedente	3%	3.364

ANNO	REGIONE	Specie	Num. aziende aperte a inizio anno (a)	Num. aziende controllate a inizio anno (b)	Num. aziende controllate e non controllate a inizio anno (c)	% aziende controllate e controllate a inizio anno (d / b + c)	Num. allevamenti controllati e controllati a inizio anno	% allevamenti controllati rispetto ai controllati a inizio anno	Num. aziende controllate nel periodo (e)	Totale aziende controllate (f = d + e)	% aziende controllate (f / b + c + e)
2018	ABRUZZO	BOVINI	4.114	9.744	121	1,0%	112	4,9%	4	116	4,0%
2018	BASILICATA	BOVINI	2.657	2.536	162	1,0%	131	5,0%	4	135	5,0%
2018	CALABRIA	BOVINI	8.142	4.494	294	2,0%	201	4,7%	4	205	4,5%
2018	CAMPANIA	BOVINI	12.055	3.823	288	2,0%	207	3,7%	12	219	3,6%
2018	EMILIA ROMAGNA	BOVINI	6.073	2.546	185	3,0%	207	5,2%	3	210	5,2%
2018	FRIULI VENEZIA GIULIA	BOVINI	2.145	1.076	41	1,0%	72	4,3%	10	82	3,1%
2018	LIGURIA	BOVINI	14.758	4.104	218	2,0%	211	3,9%	7	218	3,1%
2018	LUCANIA	BOVINI	10.638	116.811	4.469	4,0%	6.718	5,6%	143	6.861	5,6%
Totale											



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Thanks for your kind attention



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