

## National Animal Identification and Traceability System

OF THE NAITIONAL FOOD AGENCY OF GEORGIA



Schweizerische Eidgenossenschaft Confédération suisse Confederazione Svizzera Confederaziun svizra

Swiss Cooperation Office South Caucasus









Started: 1/17- System in use: 10/18 - Handover: 2019
Project Goals:
TRACEABLITY, ANIMAL HEALTH, FOOD SAFETY

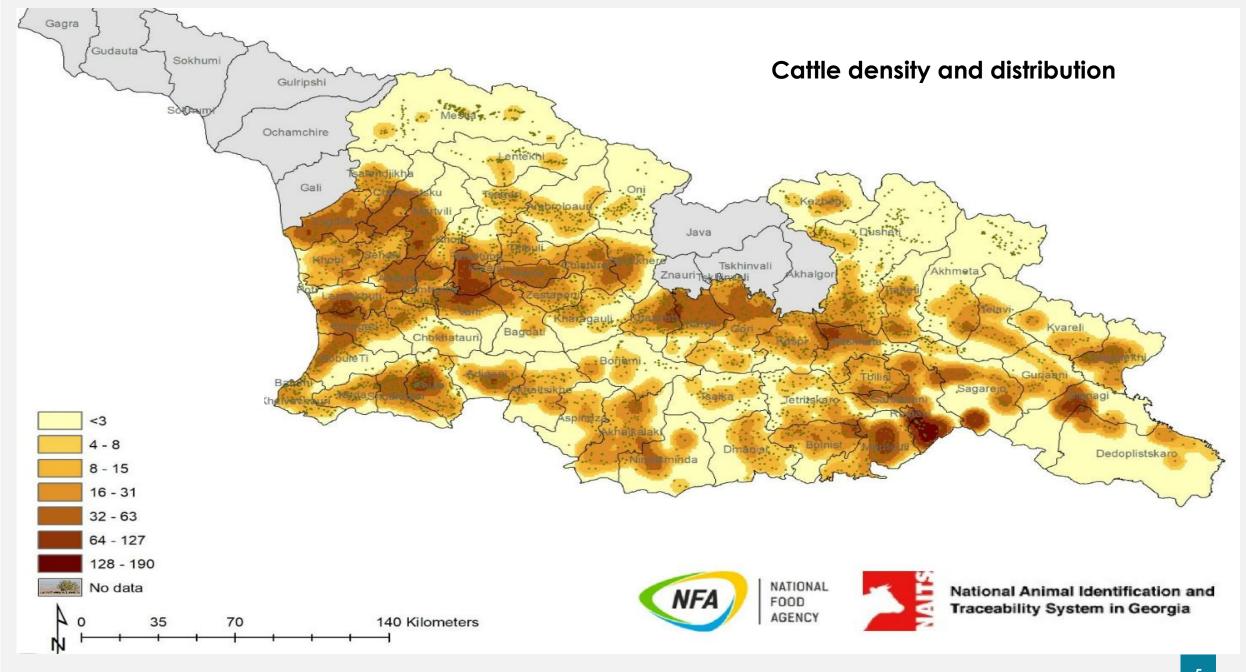
Experience from 9 countries (MK, AL, FR, LA, NL,CH, LT, SRB,BG)

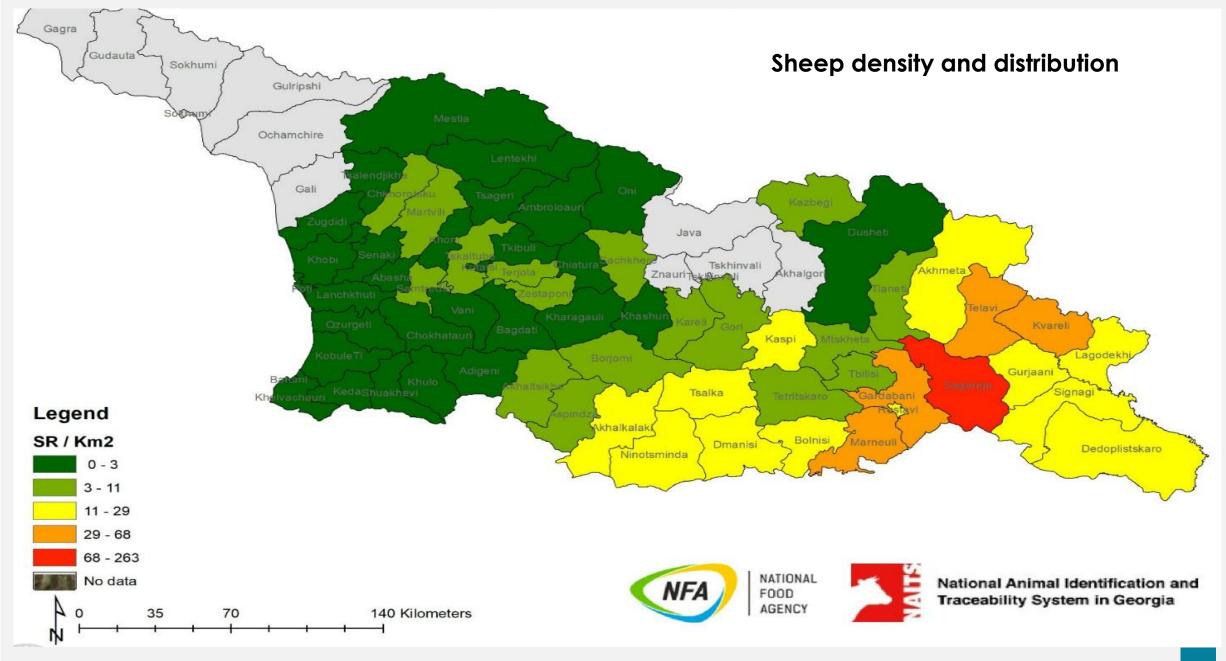
### Main design goals:

Paperless/ Mobile devices Cheap, Automated Ruminants, EU Compliant







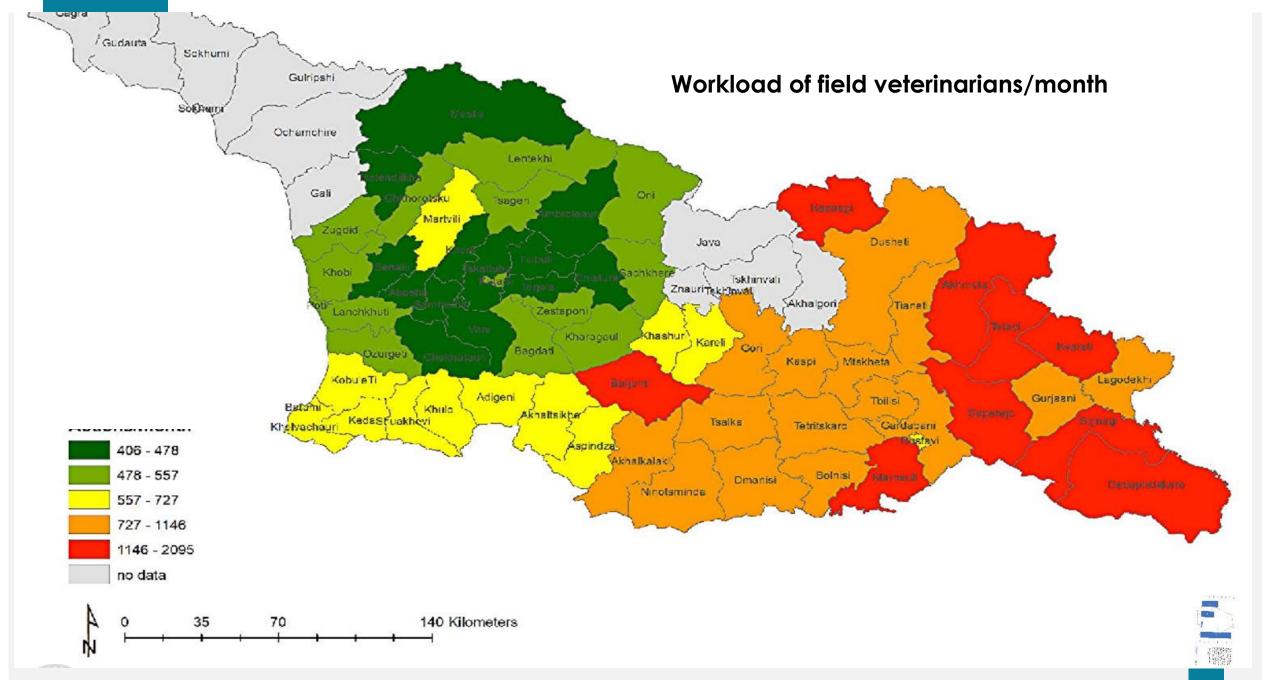




### SCOPE

- > 7-13 M transactions/year
- >> 5 M actions/year subsidized
- >> 1.2 M Tagging
- >> 170 veterinary inspectors
- >> 600 veterinary contractors
- >> 7 Veterinary Sanitary Points
- > 0.3 M slaughtered animals
- ≥ 0.3 M exported animals







Software - open source (Java 8, PostgreSQL)Dynamic Web + Android Hardware - Servers, PC, Chrome OS, Mobile Integration with Public Registry Web services: Police Slaughterhouse/Retail Consumers

Sample - Tissue
Vaccine - Disease
Export Border points
Ante - Post Mortem
Inventory items
Laboratories
Transporter - Vehicles
VMPs

Animals - treatments, status, samples, movements, traits.
Herds - history, status
Holdings - inspections/
sanctions, MDs, info, samples, GPS, status
Persons - contacts, timer
Users - actions



# **SYSTEM**

Cloud

Persons register

Holding register

Individual animal

Herd/Flock

**USERS** 

Data Warehouse



Reports/Documents

Analytics

Visualizations





PERSONS - Legal and Physical - Keeper, Associated, Herder, Transporter

HOLDINGS - Animal (special/standard), Non Animal

**USERS - NFA, Vets, Farmers, Operators** 

**ANIMALS** 





### **REPORTS/PRINTOUTS**

### **ANIMALS**

### **HERDS**

### **PERSONS**

### **HOLDINGS**

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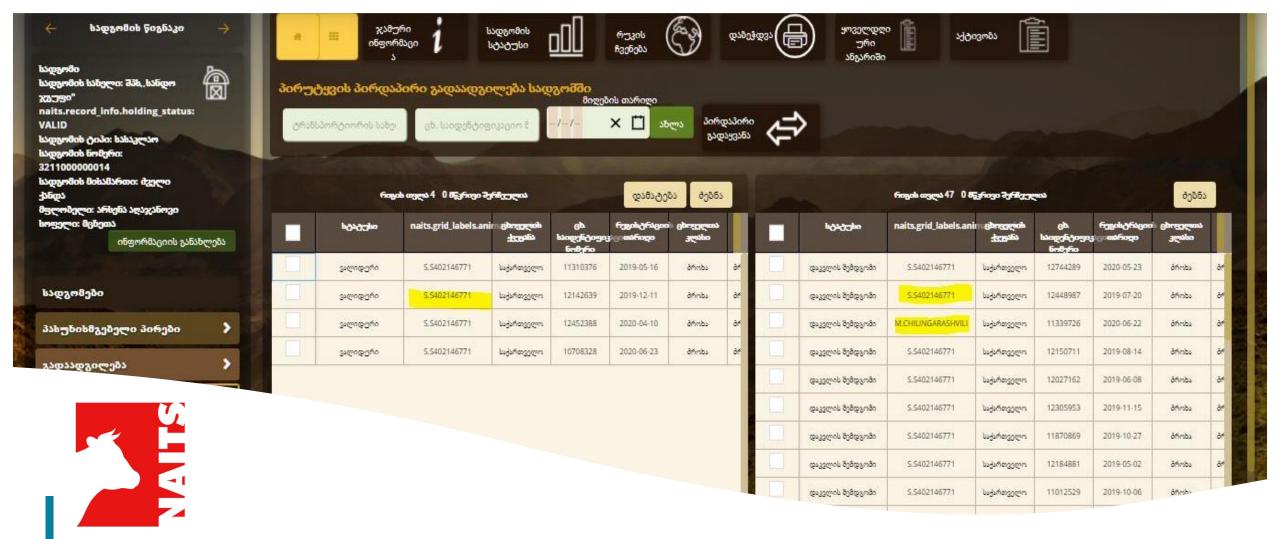
### **USERS**

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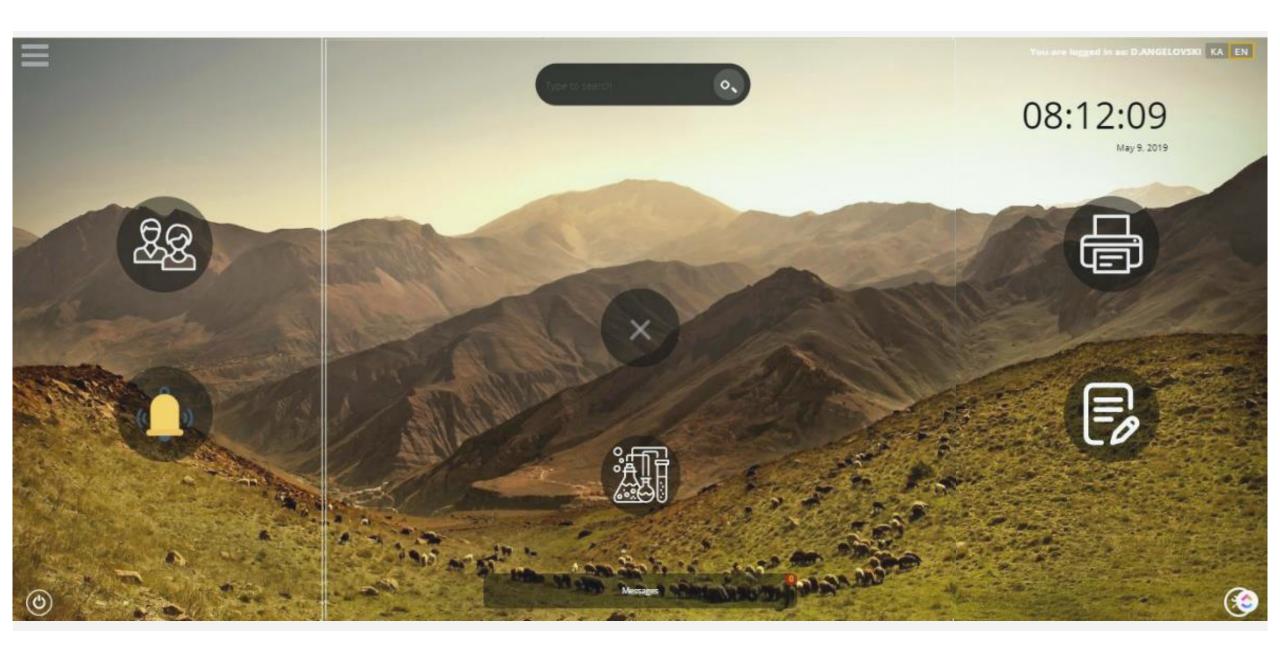
		MODULES	n
	-	Main interface	
	0	Holdings management	l
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	4	Animal Management	
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	9	Identification device inventory	İ
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	∞	Slaughterhouse and meat labels	
	၈	Movement of animals	
	9	Export of animals	
1	<del>-</del>	Management of laboratory samples	
	12	Area disease risk management	
	<del>1</del> 3	Animal health campaigns	
	4	Quarantine management	
	15	Animal treatments	I
	16	Population sampling	
	17	Spatial representation of assets - GIS	
	18	System reports	
	19	Official control questionnaire wizard	
	20	Workflow assistant	
	21	Admin and system setup and preferences	
	22	Pets	

# USER PERMISIONS



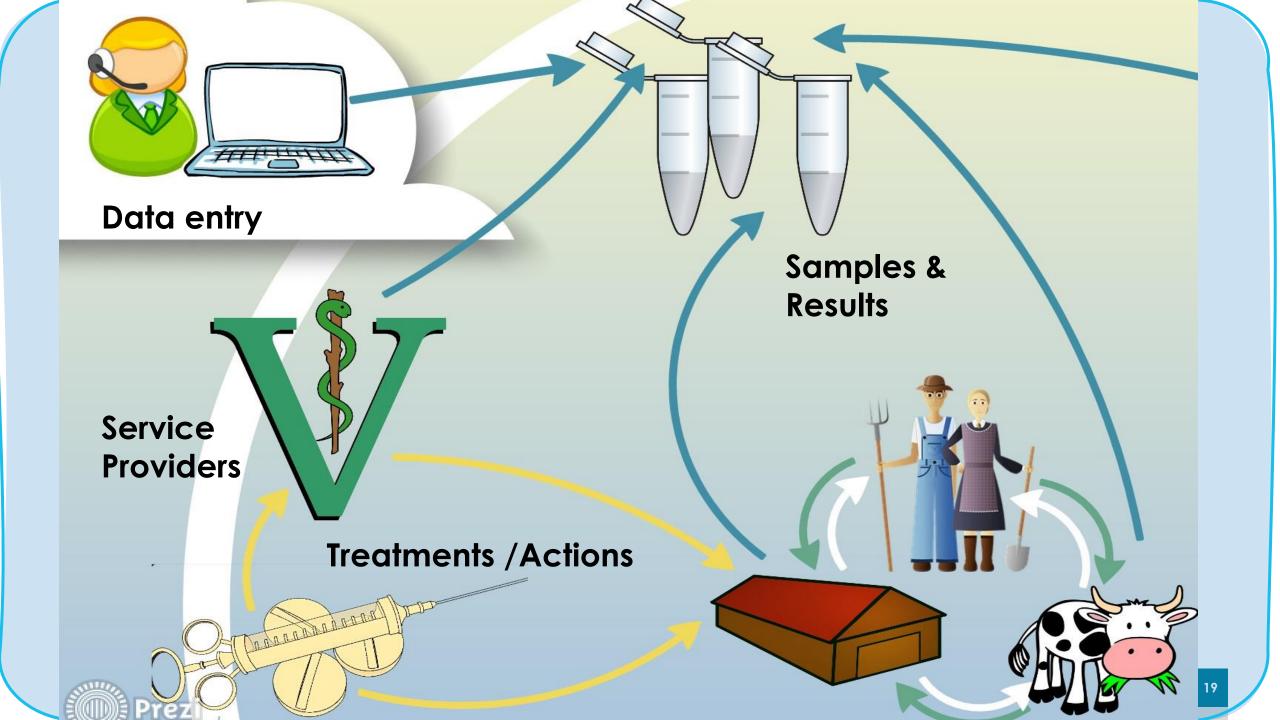


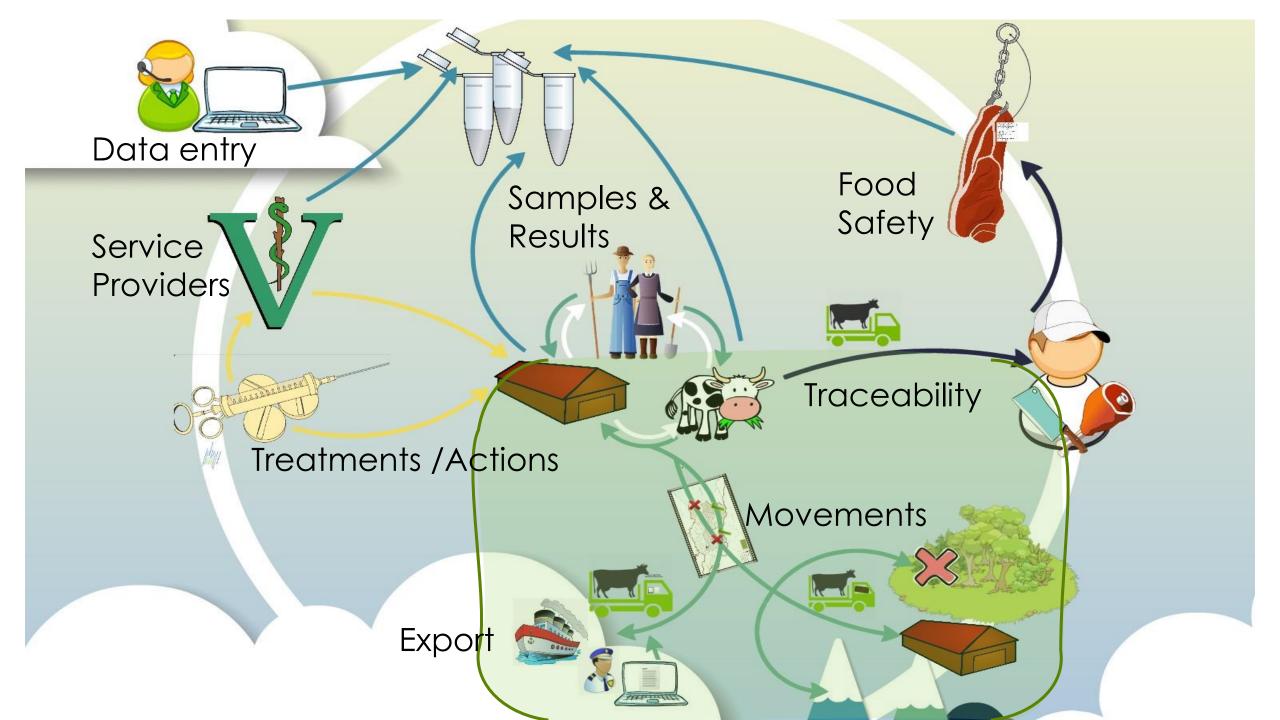
- Full transparency
- Nothing Is deleted
- Access customizable per user role and location

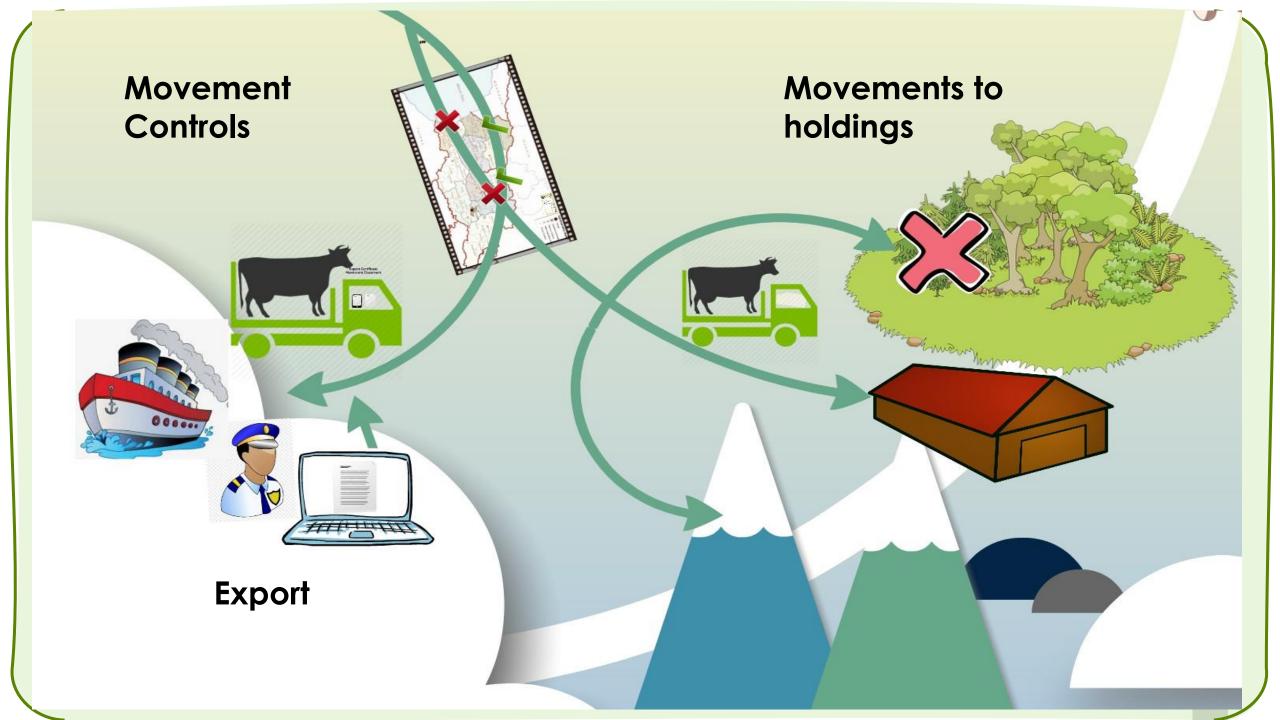






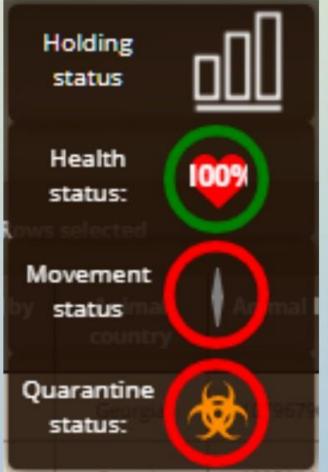


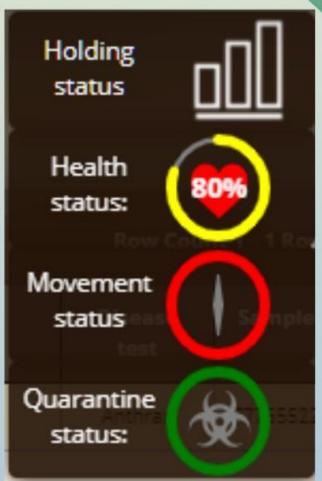




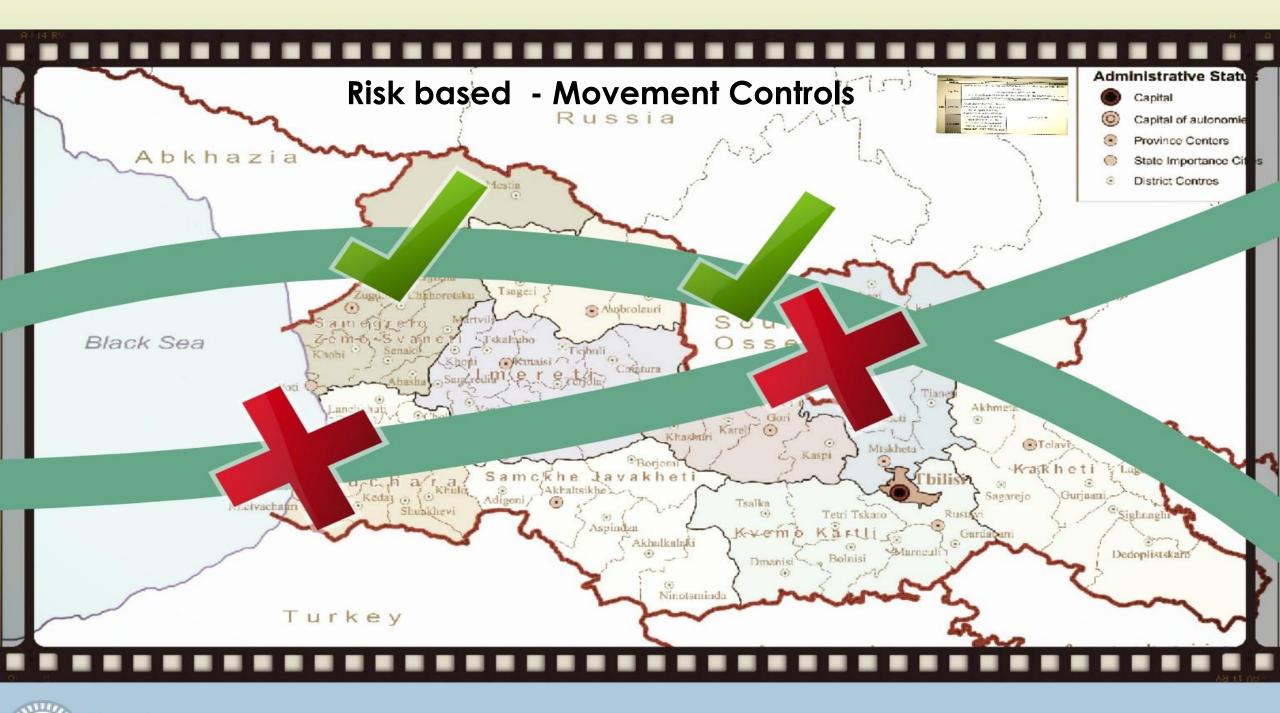
### Risk based - Movement Controls

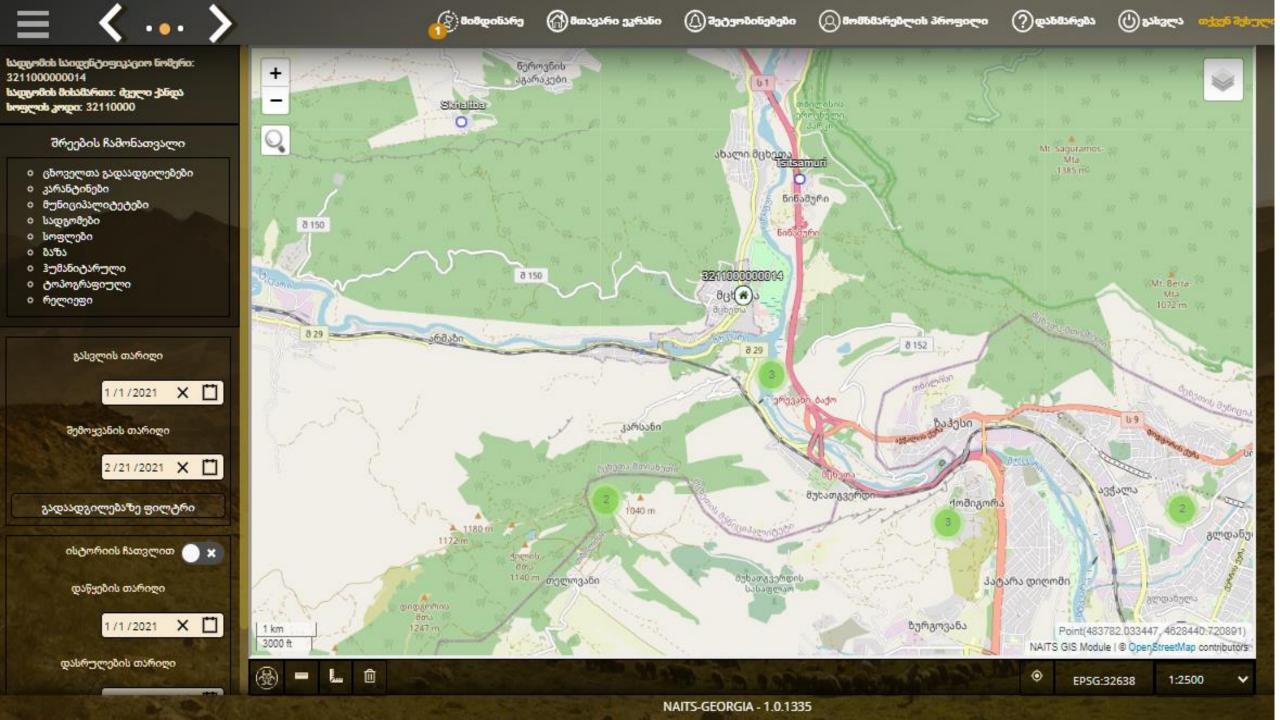














### **Export Certificates**

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### For slaughter, breeding and other animals, poultry, bees exported from Georgia

სერტიფიკატის გამცემი ორგანო			
Issued by	LEPL National Food Agency		
რაოდენობა			
Number	6		

ცხოველის სახე <+> Species	სქესი Sex	ჯიში Breed	ასაკი Age	ყურის ნიშანი, დამღა, სახელი, ნონა Ear mark, brand, name, weight
Cattle	Female	Local	5y 9m	0442053
Cattle	Female	Local	5y 9m	0917545
Cattle	Female	Local	5y 9m	1048086
Cattle	Female	Local	6y 9m	1294751
Cattle	Female	Local	6y 9m	1294753

< \*> სკა ფუტკრით (ფუტკრის ოჯახი), ფუტკრის პაკეტი (ფიჭით, უფიჭოდ), დედა-ფუტკარი და სხვ.
< \*> A hive with bees (bee family), bee parcels (honeycombs, unhoneycombs), been queens etc.

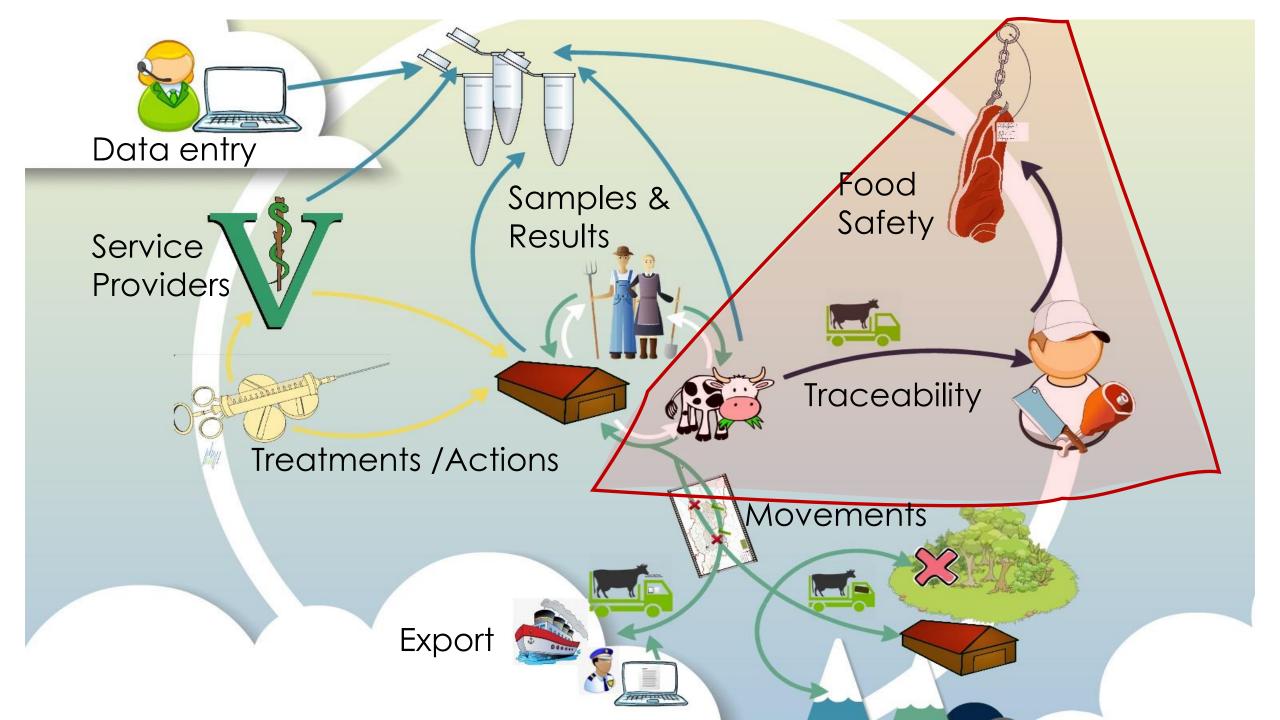
5-ზე მეტი ცხოველის გადამიდვისას დგება ცხოველთა ნუსხა უფლებამოსილი პირის (ვეტერინარის) ხელმონერით, რომელიც ამ ხერტიფიკატის განეყოფელი ნაწილია. If more than 5 animals are shipped, the list is made and signed by the authorised person (veterinarian) and

If more than 5 animals are shipped, the list is made and signed by the authorised person (veterinarian) and constitutes an integral part of this certificate.

1. ცხოველთა წარმოშობა / Origin of the animal(s) ექსპორტიორის სახელწოდება და მისამართი					
Name and address of exporter					
ცხოველთა წარმომავლობის ადგილი Place of origin of the animals					
GE					

კარანტინის ადგილი Place of quarantine

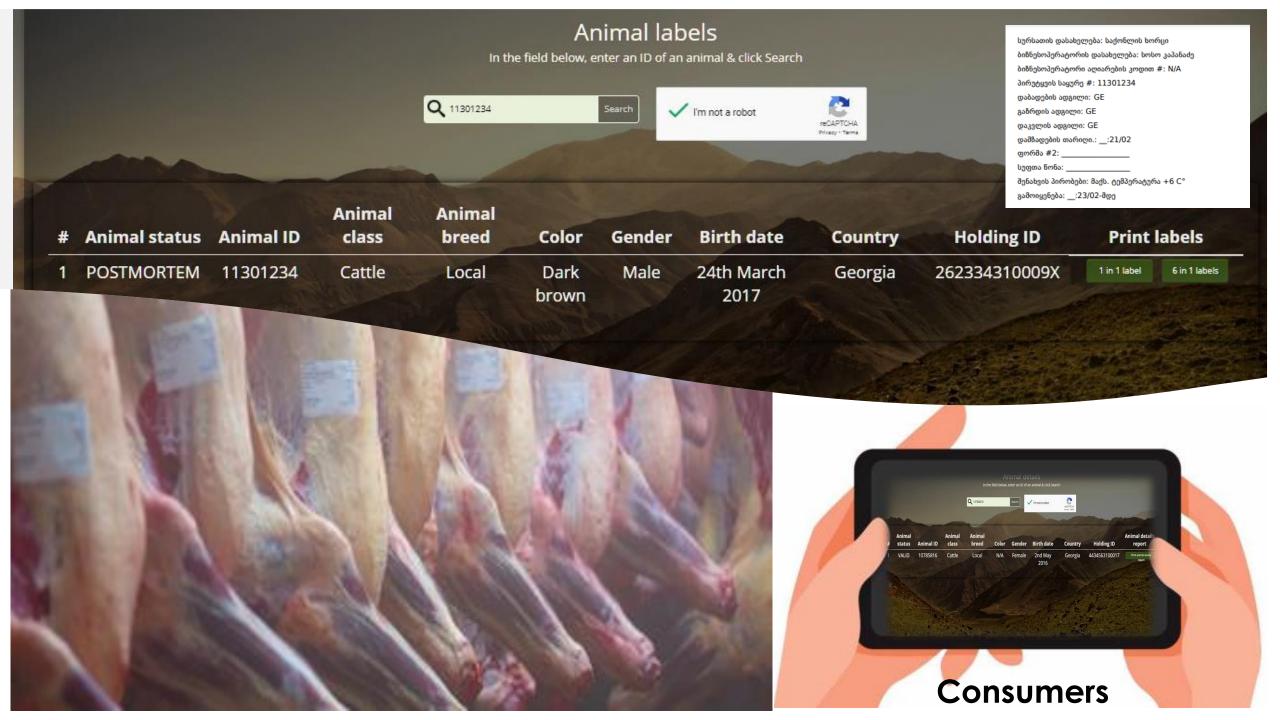
Kakheti - Telavi - Kondoli -	
Kondoli - 13171600023 -	

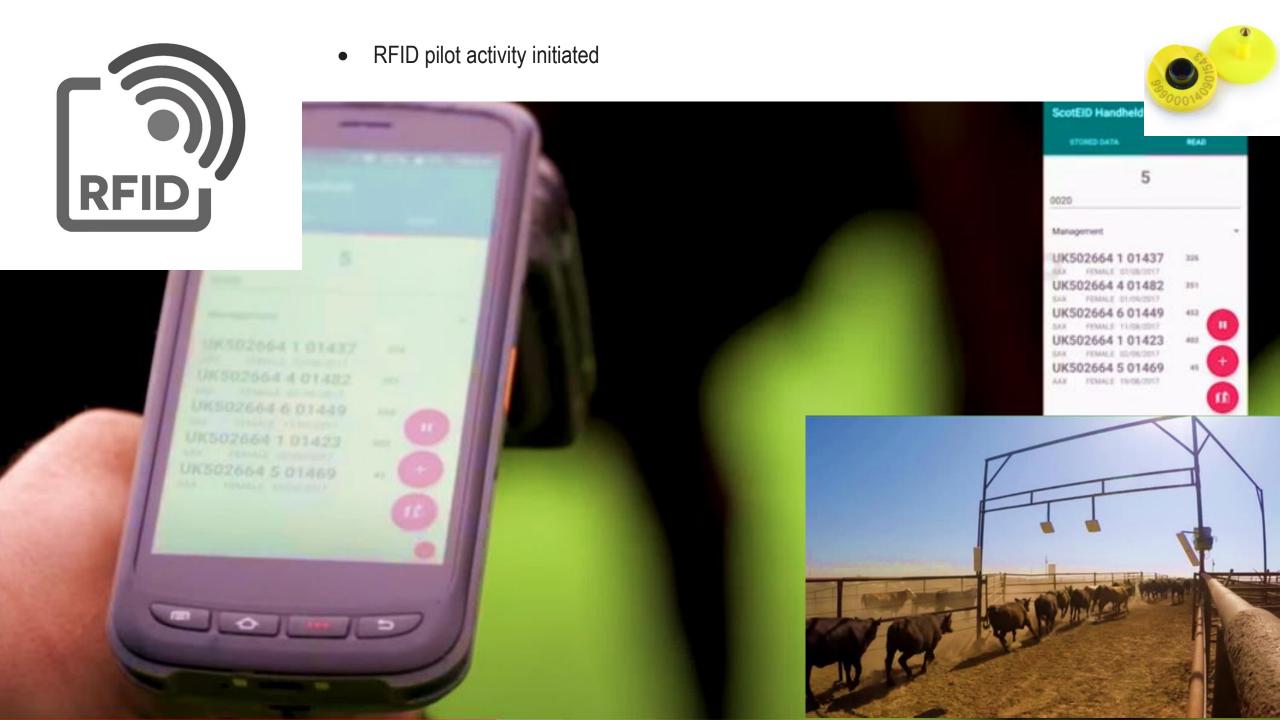


სურსათის დასახელება: ხბოს ხორცი ბიზნესოპერატორის დასახელება: TEST LTD ბიზნესოპერატორი აღიარების კოდით #: პირუტყვის საყურე #: 10413123 დაბადების ადგილი: GE გაზრდის ადგილი: GE (ასაკი 30 დღემდე) დაკვლის ადგილი: GE დამზადების თარიღი.: \_\_:23/01 ფორმა #2: \_\_\_\_\_ სუფთა წონა: \_\_\_\_\_ შენახვის პირობები: მაქს. ტემპერატურა +6 C° გამოიყენება: \_\_:25/01-მდე **Traceability** 

Food

Safety





### Peer Review - OUTLINE ROADMAP/ SEQUENCE OF ACTIONS

The Peer Review identified the needs and possibilities for improvements ensuring that the NAITS will be up to date with latest EU requirements and systems in years to come.

### **Stage 1 - Basic system**

1. Database - all types of establishments; grandparent records and insemination flag; basic monitoring/official control records.

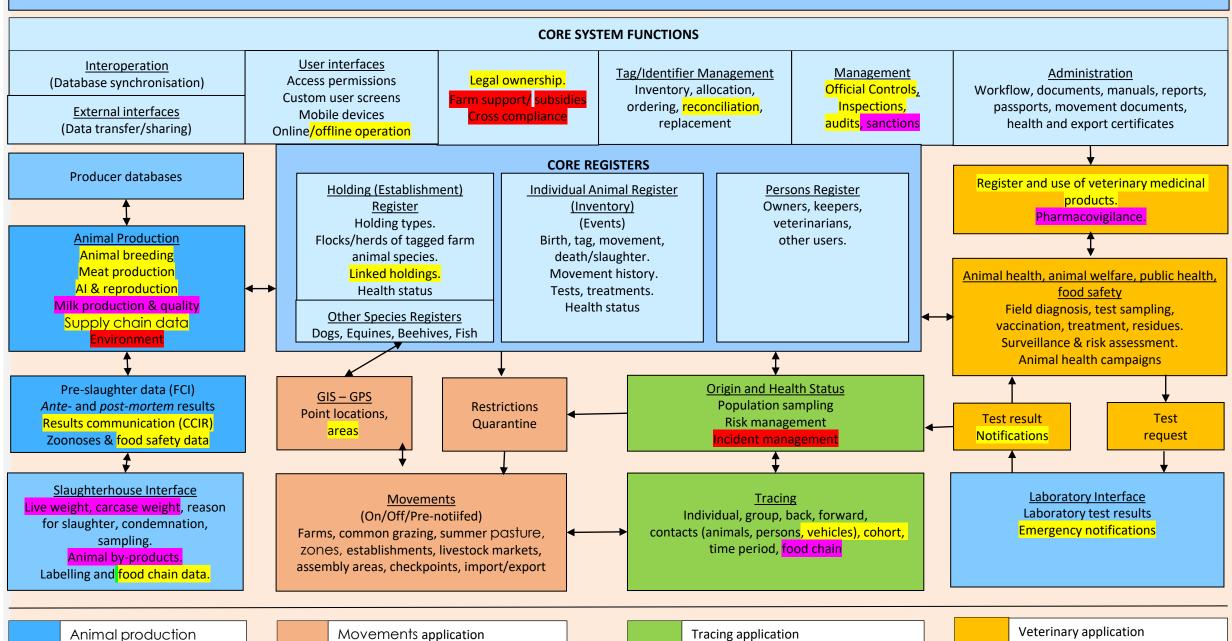
### **Stage 2 - Compliance with EU approximation agreement**

- 1. Database subsidy related data; food chain information; inspection results; health status; restrictions; VMP.
- 2. Downstream traceability of food products and animal by-products.

### Stage 3 - Voluntary industry needs & Additional EU Approximation

- 1. Livestock production data.
- 2. Facilitate EU market access participation in the EU Information Management System for Official Controls (TRACES).

### Reference model for a multi-species National Animal Identification, Traceability and Veterinary Information System



application



