



WORLD ORGANISATION FOR ANIMAL HEALTH
Protecting animals, preserving our future

Animal health control system in Azerbaijan

Baku, 2020

Azerbaijan Horses



Stakeholder involvement in the epidemiological surveillance system

- ❖ Food Safety Agency of the Republic of Azerbaijan
- ✓ Central Veterinary Laboratory and Zone Laboratories within the Azerbaijan Institute of Food Safety
- ❖ Agrarian Services Agency under the Ministry of Agriculture



**Cabinet of Ministers of the Republic of
Azerbaijan**

Azerbaijan Food Safety Agency (AFSA)

**Animal Health
Department**

**11- Regional
Offices**

Azerbaijan Food Safety Institute

**Central
Veterinary
Laboratory**

**7 Regional
Labs**

```
graph TD; MoA[Ministry of Agriculture of the Republic of Azerbaijan] --> ASA[Agrarian Services Agency under the MoA of the Republic of Azerbaijan]; ASA <--> AHD[Animal Health Department]; ASA <--> AE[Antiepidemiological Expedition]; ASA <--> RVO[Rayon (City) Veterinary Office]; AHD <--> AE; AE <--> RVO;
```

Ministry of Agriculture of the Republic of Azerbaijan

Agrarian Services Agency under the MoA of the Republic of Azerbaijan

Animal Health Department

Antiepidemiological Expedition

Rayon (City) Veterinary Office

Diagnosis of animal diseases

Laboratories with biosafety level 2

Central Veterinary Laboratory

Regional Test Laboratories

Diagnosis of animal diseases

Examination of veterinary products, feed, feed additives, biological active supplements

Examination of products of animal origin



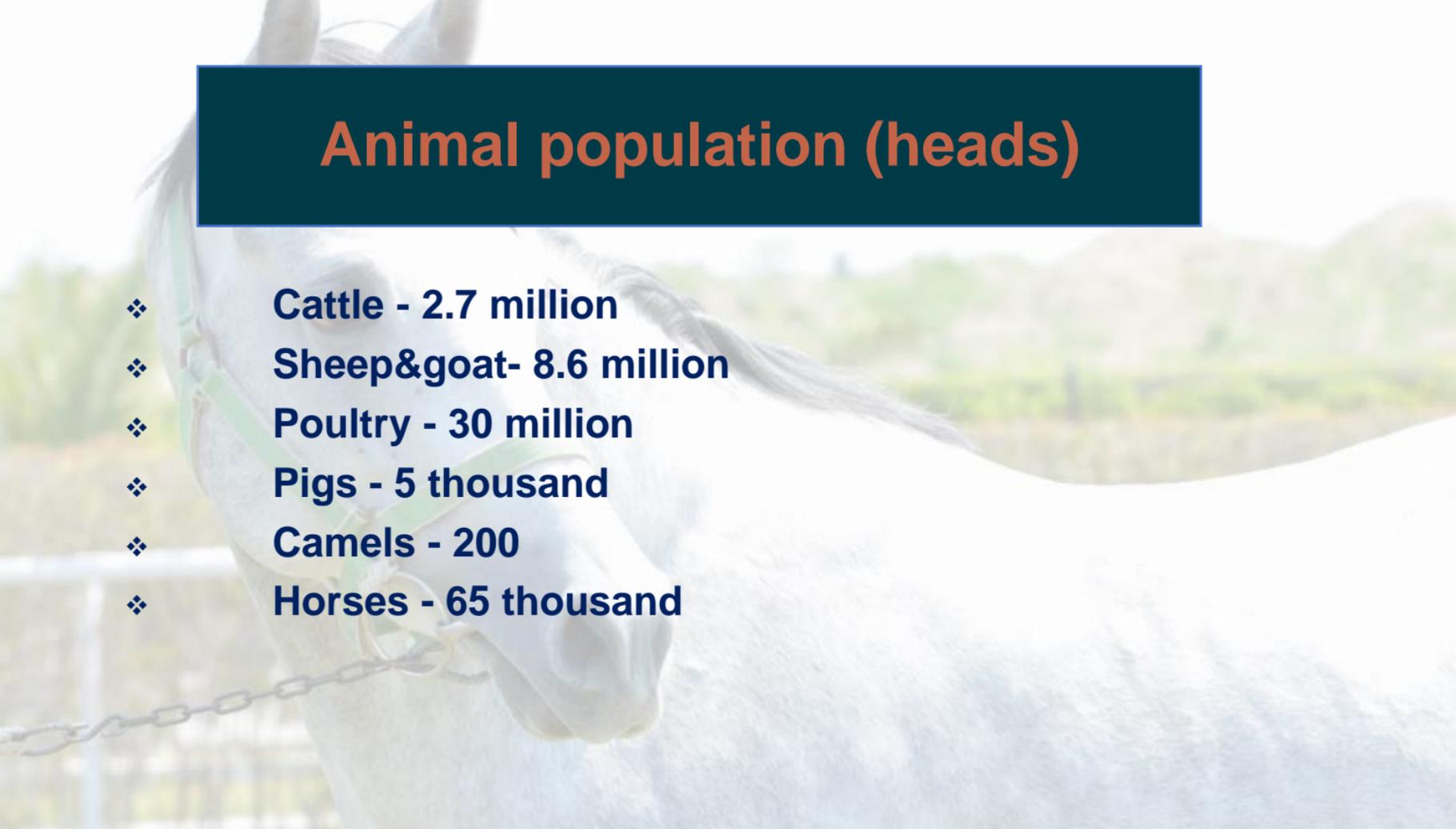
Diagnosis of animal diseases

Management of crisis situations of animal diseases

Field laboratory with biosafety level 3

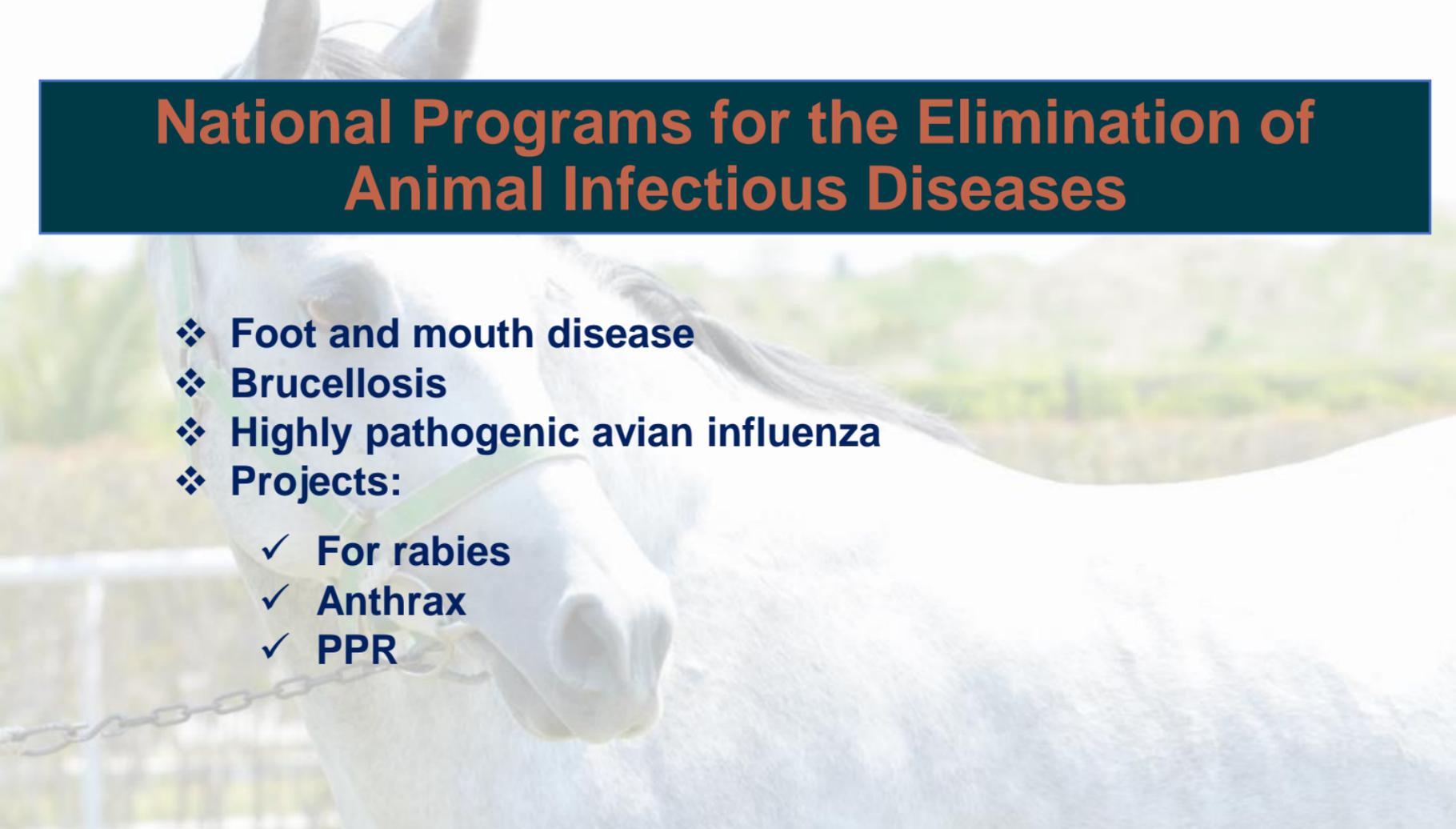
Diagnosis of especially dangerous Transboundary diseases (TBD)





Animal population (heads)

- ❖ **Cattle - 2.7 million**
- ❖ **Sheep&goat- 8.6 million**
- ❖ **Poultry - 30 million**
- ❖ **Pigs - 5 thousand**
- ❖ **Camels - 200**
- ❖ **Horses - 65 thousand**



National Programs for the Elimination of Animal Infectious Diseases

- ❖ **Foot and mouth disease**
- ❖ **Brucellosis**
- ❖ **Highly pathogenic avian influenza**
- ❖ **Projects:**
 - ✓ **For rabies**
 - ✓ **Anthrax**
 - ✓ **PPR**

Control measures financed from the government budget

Vaccinations

- Foot and mouth disease
- Anthrax
- Brucellosis (REV1 and S19)
- Classical swine fever
- Newcastle disease
- Sheep&goat pox
- LSD
- Leptospirosis,
- Rabies
- Equine Influenza
- Rhinopneumonia

Active surveillances

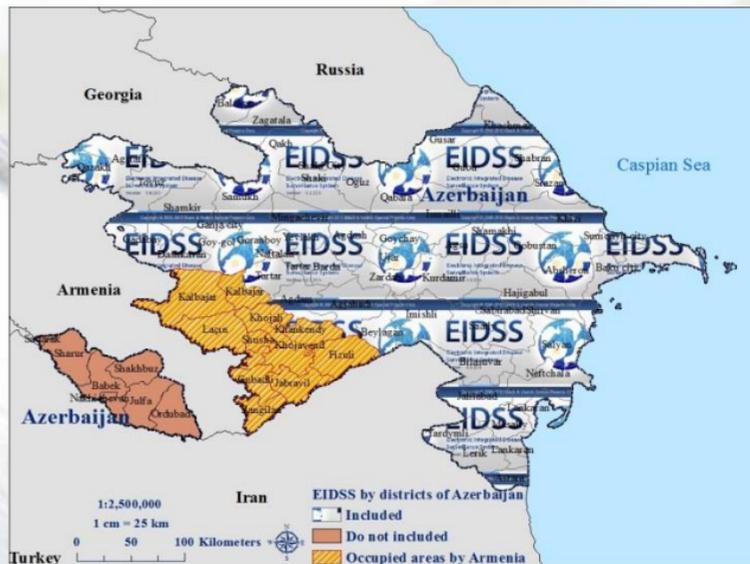
- Brucellosis (seromonitoring)
- FMD (seromonitoring)
- Tuberculinization of cattle
- Glanders (malleinization)
- HPAI (monitoring)

Main components of a surveillance system

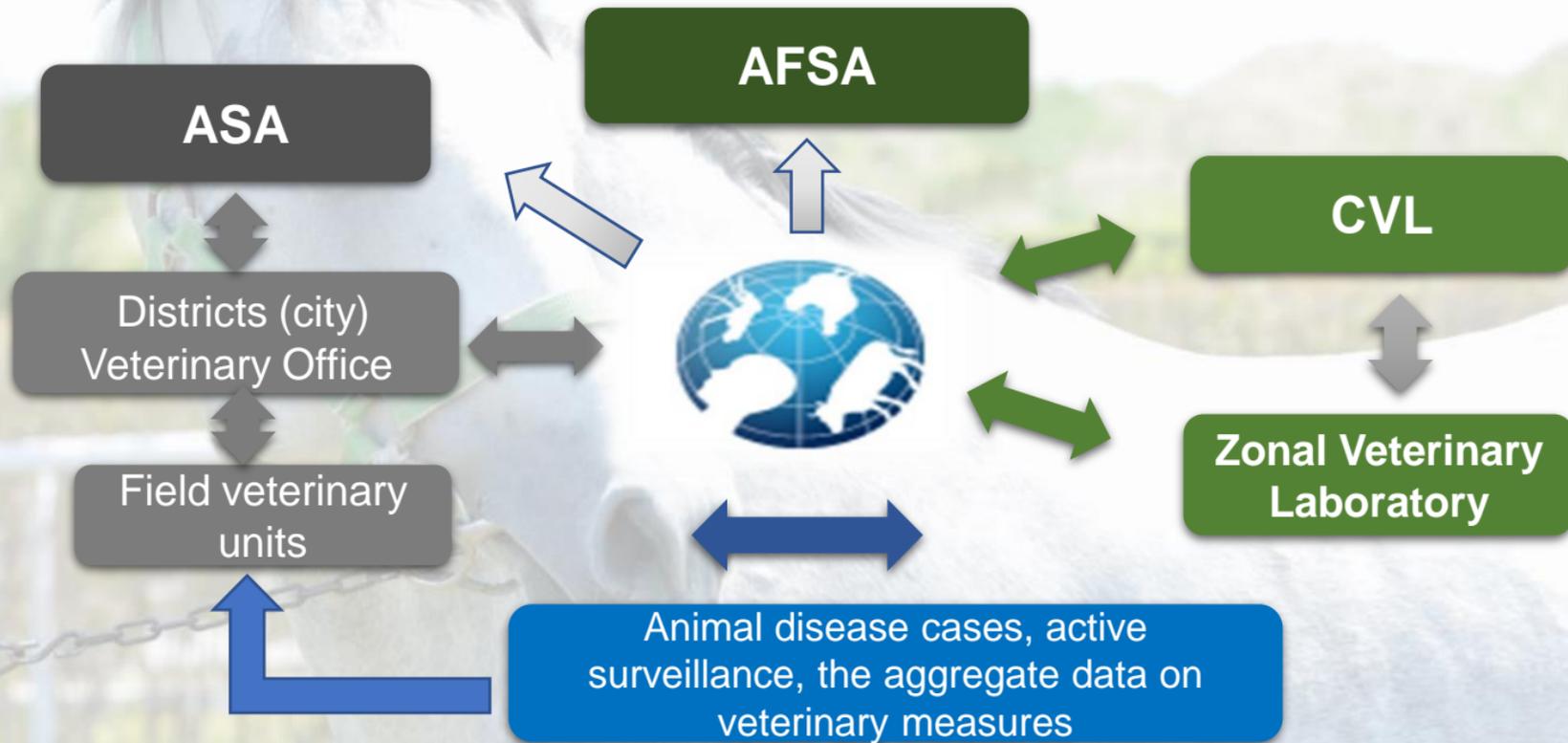
- ❖ **Electronic Integrated Infectious Disease Surveillance System (EIDSS)**
- ❖ **Risk analysis**
- ❖ **Vaccination and Seromonitoring**
- ❖ **Control over the movement of animals (seasonal, during religious holidays, between live stock markets, border customs points)**
- ❖ **Measures are being taken to obtain the status of the free zone from animal disease by the Absheron Peninsula (regionalization), construction of checkpoints at the entrances to this area is underway**

Electronic Integrated Disease Surveillance System (EIDSS)

- Since 2010, EIDSS has been implemented at MoH and from 2011 at Veterinary of Azerbaijan
- Since the second half of 2016 have completely switched to electronic statements from EIDSS



Information flow in EIDSS



List of notifiable (OIE) equine diseases in Azerbaijan

1. African horse sickness (Free status)
2. Equid herpesvirus-1 (EHV-1/Equine rhinopneumonitis)
3. Equine infectious anaemia
4. Equine influenza
5. Equine piroplasmosis
6. Equine viral arteritis
7. Glanders
8. Dourine
9. Contagious equine metritis
10. Equine encephalomyelitis (Eastern and Western)
11. Surra (*Trypanosoma evansi*)
12. Venezuelan equ.encephalomyelitis

Annual vaccination measures among equines

- ❖ **Glanders (malleinization) – 45000-57000 (70-75%)**
- ❖ **Anthrax – 74000 (98%)**
- ❖ **Equine influenza – 2000 among breeding horses**
- ❖ **Equine rhinopneumonitis - 2000 among breeding horses**

Laboratory tests at the CVL for exporting horses

- Equine infectious anaemia
- Equine influenza
- Equine piroplasmosis
- Equine viral arteritis
- Glanders
- Dourine
- Contagious equine metritis
- Equine encephalomyelitis (Eastern and Western)

AFSA's objectives in the field of veterinary

Establishment of effective control system for animal diseases

Registration of animal production entities and identification of animals

Apsheron Diseases Free Zone
ADFZ

Increase in export potential of products of animal origin

What are the main aims of AIRS?

- Tracking the food from the farm to the table,
- Controlling the health, welfare
- Planning of production
- Management of animal breeding etc.
- To ensure the Food Safety that satisfaction the international demands



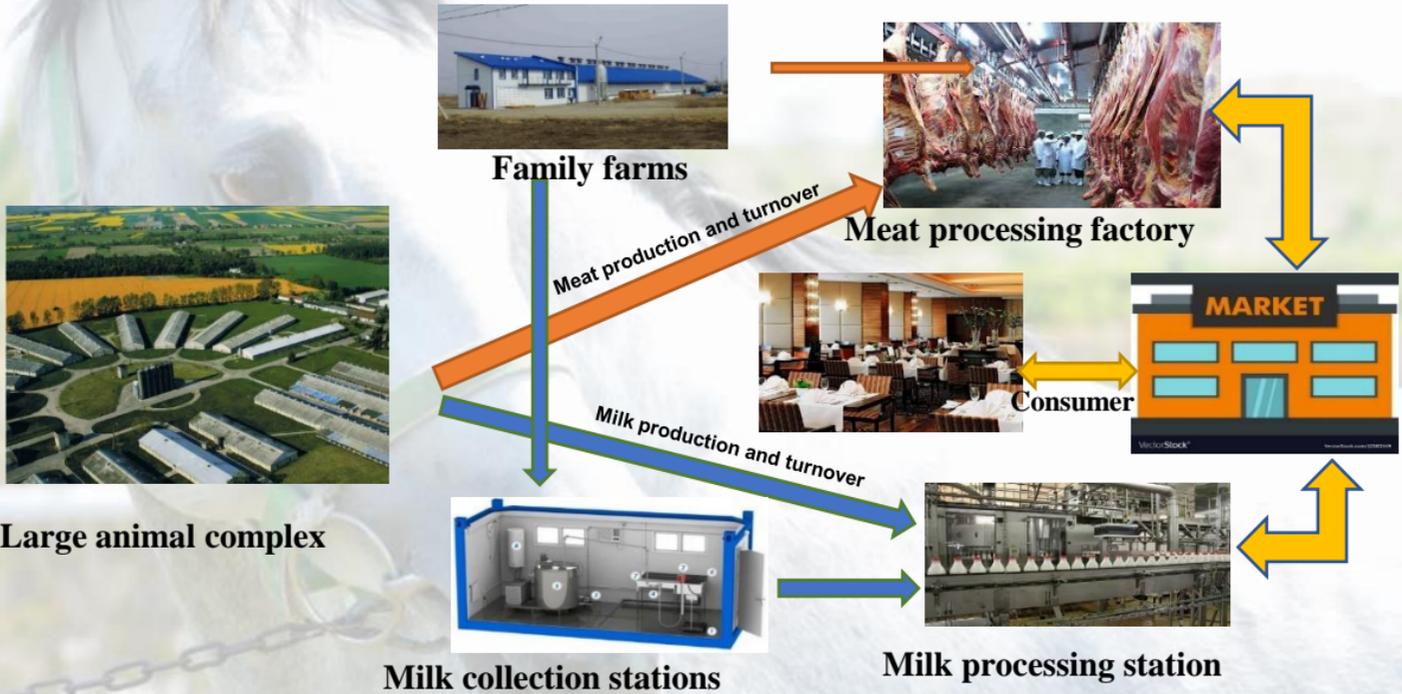
Legal references

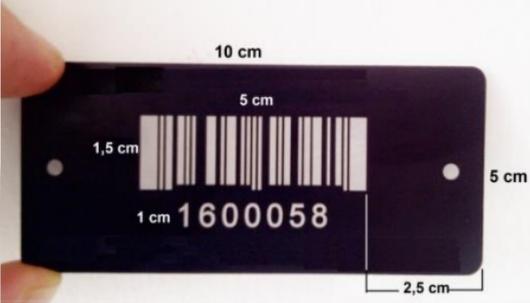
- Relevant requirements of the World Animal Health Organization,
- Veterinary Law of Azerbaijan Republic
- Rules for Identification of Animals, approved by the Resolution of the Cabinet of Ministers of Azerbaijan Republic, №19, dated January 30, 2007.
- «State Program for 2019-2025 for Ensuring Food Safety in Azerbaijan Republic»

Which objects will the AIDS system coordinate?

- Each animal farm
- Each animal kept in the farm
- Milk reception centers and milk factories
- Animal markets and slaughterhouses
- Transport subjects
- Markets
- Veterinarians and veterinary pharmacies
- Veterinary laboratories, etc.

The structure of the food chain «From farm to table»





ANY INDIVIDUAL IDENTIFICATION SHOULD BE GIVEN TO EACH FARM, LABORATORY, SLAUGHTERHOUSE, PROCESSING FACTORY, TRADE OBJECTIVES

Technical solution for animal registration and tracking



Electronic ear number

Ear number

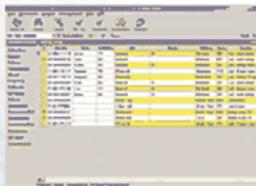


Farm code



Animal tag Animal details: Breed, Sex, Date of Birth and Genetic Dam Date the passport was issued and re-issued

Passport



Country registration system

National Veterinary Information System (NVIS)

- **AIRS and its constituent NVIS use database information about the subjects in conjunction with the «Food Safety Information System» and «E-Agriculture» Information system;**
- **Carries out functions for conducting infectious diseases and monitoring animal movements.**
- **Manages the nutritional safety of meat, milk and other products to protect human health.**
- **Directs activities such as feeding, breeding and stud, etc.**

Dairy Farm



Breeding information

Public Union on Livestock



Nutrition information

Meat farm



Animal market

Country Animal Registration System

AFSA and MA



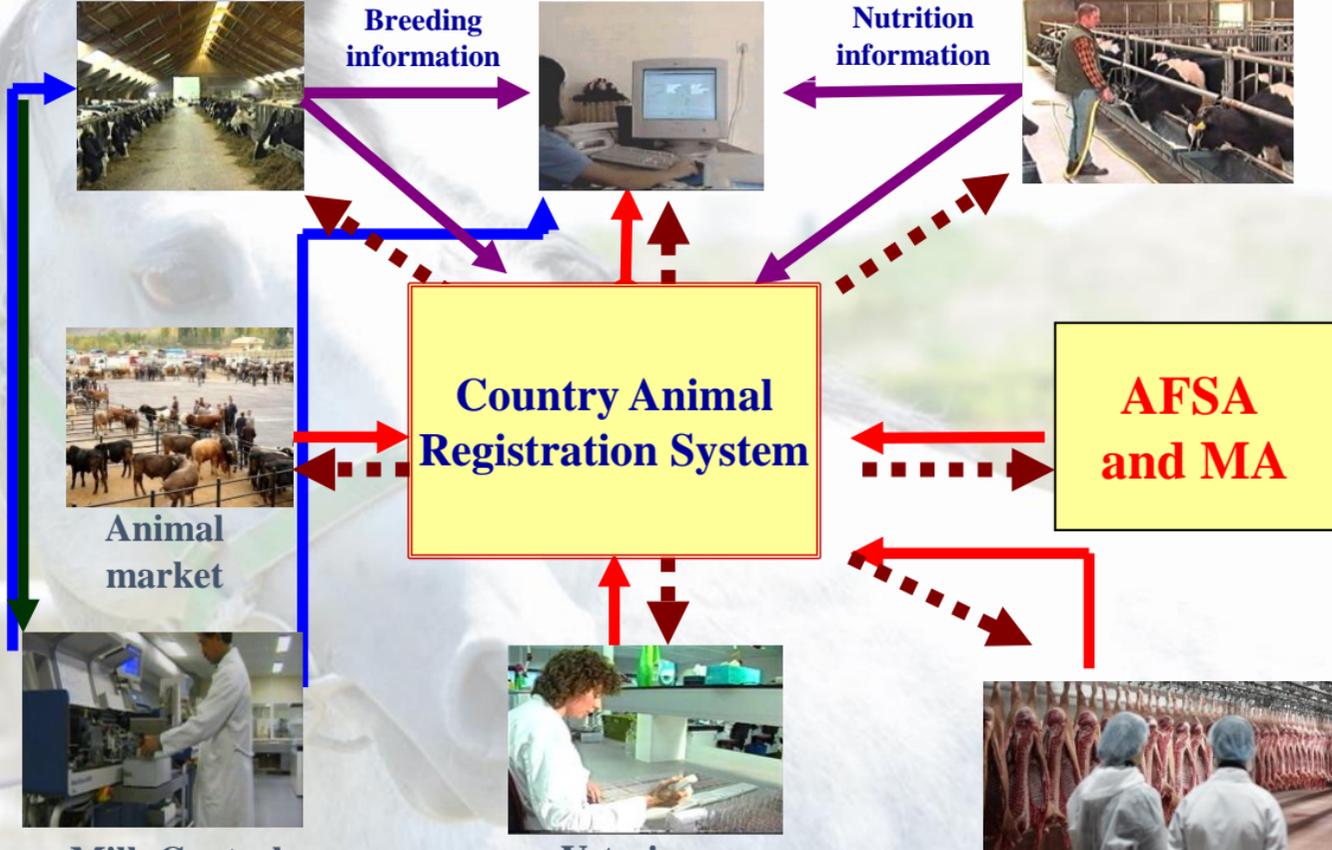
Milk Control Laboratory



Veterinary Laboratory



Slaughterhouse



Tracking farm management through NVIS

- Implementation of food safety requirements in farm management (feeding, diet composition, use of medicines, etc.);
- Tracking of behavior and selling of animals,
- Preparation of reports on subjects excluded from the rules,
- Making decisions for punitive measures,
- Utilization of identification means at the end of animal life,
- Archiving and storing of informations.

Animal markets

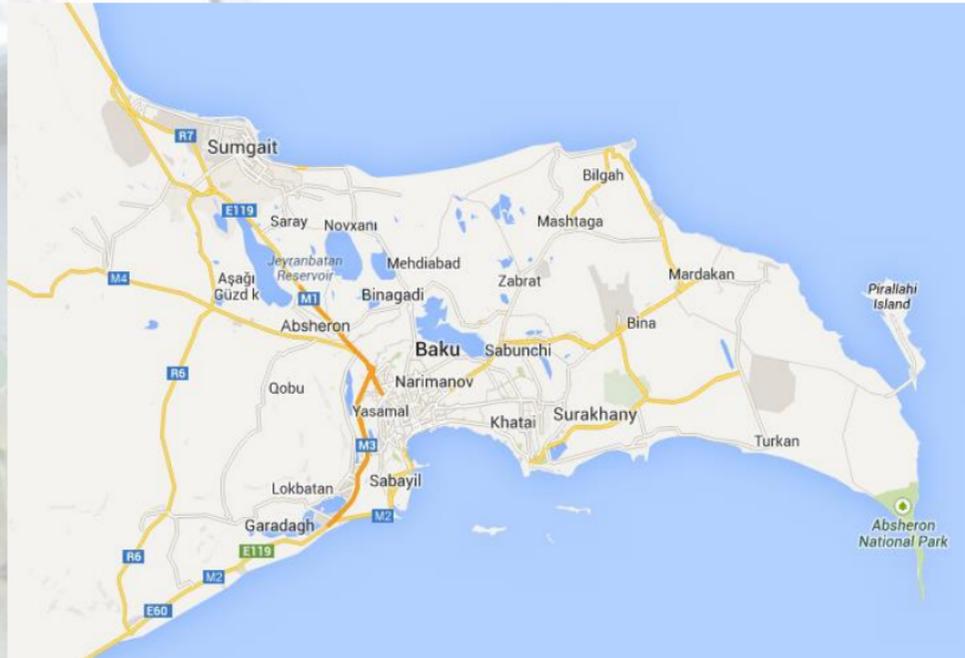
- Animal market management is very actual for our country at present.
- Registration of animals entry to the market,
- Reorientation from markets to farms or slaughterhouses,
- Tracking of animal health.



Animal Diseases Free Zone (ADFZ)

- Animal Diseases Free Zone will cover the Absheron peninsula including Baku, Sumgait and Absheron District.
- Importation of animals and animal products within the boundaries of the free zone will be carried out under special control and identification of farm animals stored here, with registration of the pre-production and production base.
- The experience gained in the zone will be broadened and applied throughout the country.

ADFZ





**Thank you for your
attention!**