

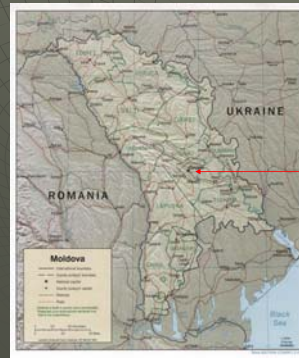
# Development of animal identification and recording systems for veterinary surveillance and livestock development



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# The Republic of Moldova



Chisinau

Languages  
-Moldovan  
-Russian

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# Population

- ◆ Total 3,4 mil.
- 2,1 rural → 61,7 %
- 1,3 urban → 38,3 %

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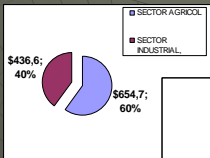
# Agriculture

- ◆ Agriculture land area 2,5 mil ha
- ◆ Agricultural land privatisation programme completed (arable & perennial plantations)
- ◆ Animals:
  - ◆ Cattle 331.000
  - ◆ Sheep, goats 942.000
  - ◆ Pigs 398.000
  - ◆ Horses 73.000
  - TOTAL: 1.744.000**

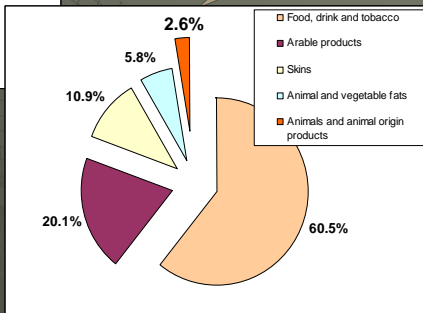
Over 95% of animals are owned by families  
1-2 animals per holding / exploitation

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# Trade



Animals and animal products only \$17.2million

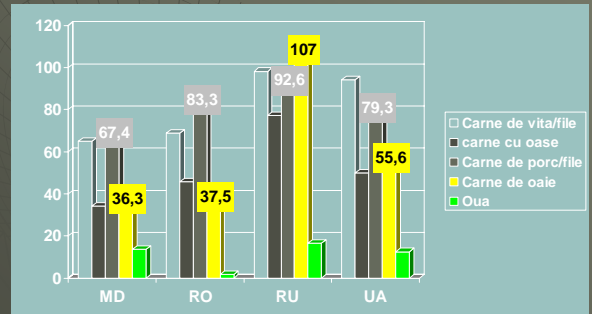


## Total Exports

Main Markets:  
CIS 60%  
Romania 37%  
Other 3%

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# Comparative prices (lei/kg) Animals and animal origin products



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## Also an exercise... for exports

Stimulate Exports	Qty	Price /kg (\$)	\$/head	Total
calves 	100.000	2,16	324 \$	\$32.400.000
lambs 	300.000	3,12	46,8 \$	\$14.040.000
Scenario Total				\$46.440.000

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## Government Policy

Ministry of Information Development

Main Information System Registers:

- Human Population
- Juridical
- Territorial and Departmental

[www.mdi.gov.md](http://www.mdi.gov.md)

[www.registris.md](http://www.registris.md)

*Animal identification and registration of holdings system will be an autonomous element of an agro-cadastral system operated by the DVM*

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## The Ministry of Agriculture and Food Industry (MAIA)

### • The Department of Veterinary Medicine (DVM)

- **The Central Competent Authority** for identification of animals and registration of Holdings, regarding:
  - Traceability "from farm to fork", regarding:
    - *Consumer protection and trust in food safety;*
    - *Monitor, control and prevent animal diseases;*
    - *Comply with EU and WTO requirements regarding trade in animals and products of animal origin.*

[www.moldova.md](http://www.moldova.md)

[www.maia.gov.md](http://www.maia.gov.md)

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## Status

- 2001 Moldova becomes a member of the WTO
- 2004-2007 EU/Moldova Action Plan (European Neighbourhood Policy) includes a specific chapter on trade development / SPS / traceability systems
- 2003 Application for export of animals and animal origin products to the EU (Third Country Status)
- 2005 Commencement of in-country inspections and recommendations by the DG SANCO regarding the system of animal health and food safety
- 2006 Action Plan of the DVM to improve the system of animal health and food safety, including implementation of a system for animal identification and registration of holdings

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## Progress

- Law on Animal Identification approved by Government
- Technical Regulation approved
- Government Concept regarding 'Animal Register'
- Pilot successfully completed in one administrative region completed (30,000 animals) in 2005
- DVM to launch an International tender by the end of June 2006 for full National implementation
  - Government of Moldova [www.gov.md](http://www.gov.md)
  - Agency of Material Reserves, Public Purchases and Humanitarian Assistance [www.tender.gov.md](http://www.tender.gov.md)
- Budget support and Technical Assistance provided by the EC through the Food Security Programme
- Planned completion by first quarter 2008

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## Targets

National System for Identification of Animals and Registration of Holdings

- ✓ One operator will be selected and contracted following the international tender
- ✓ National implementation will commence around September 2006
- ✓ An integrated IT system
- ✓ Operated by the DVM
- ✓ Updated by Veterinary Doctors in all regions of Moldova

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## Hardware and Communications



Server central + Back-up



148

Veterinary Circumscription

8

State Border Inspection

37

Regional Veterinary Services  
DGMVA

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## Real Time Data

Zona		Anchet		Culoșitate		CPS	
Onoare	Strasnet	Canta	Canta	HTL	HTL	HTL	HTL
Tip exploatare	Specie	Raza	Sex	Tip selectie	Interval	Min	Max
Onoare	Mata	Femea	1	2	3		
Numar animale	Numar femela	% din total	% de animale	% din total	Numar de animale	Numar de femela	
1-2	1	100.000	1.000	1.000	1.000	1.000	
3-5	01	00.300	3.00	17.379	3.31		
6-10	02	00.540	40	52.363	0.67		
11-15	1	00.091	1.9	20.768	13.00		
16-20	1	00.091	1.9	21.122	19.00		
21-30	0	00.000	0	00.000	0.00		
31-40	0	00.000	0	00.000	0.00		
41-100	0	00.000	0	00.000	0.00		
101-1000000	0	00.000	0	00.000	0.00		
Total	1.000	100.000	1.000	100.000	1.54		

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## Veterinarians and Zootechnicians

There is a professional, operational and administrative distinction in Moldova between Veterinary and Zootechnical operations

The future functionality of the National Register of Animals will need to take into account the important issue of animal breeding and breed improvement

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## Future functionality and things to do

1. Legislative and structural framework for genetic improvement
2. Introduction of top genetics and optimise the existing genetic stock
3. Establish high productive herds
4. Membership of International organizations
  - Establishing a relationship with **ICAR**
  - Applying for ICAR Membership
  - **Review of the animal ID programme by ICAR through the EC/FAO**
5. Establishment of national milk testing program
6. Establishment of association of dairy breeds

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## ..... More things to do

7. Investment in the AI infrastructure
8. Establishment of type evaluation system
9. Evaluation of the potential to export genetic resources
10. Active learning –practical base to improve professional Level
11. Integration of production type evaluation and establishment of national index (including **Interbull membership**)

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## Finally .....

◆ Thank you for your attention!

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