

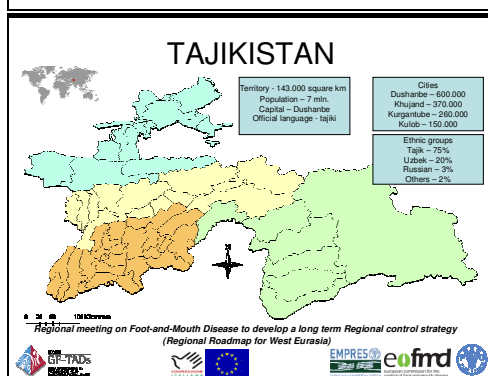
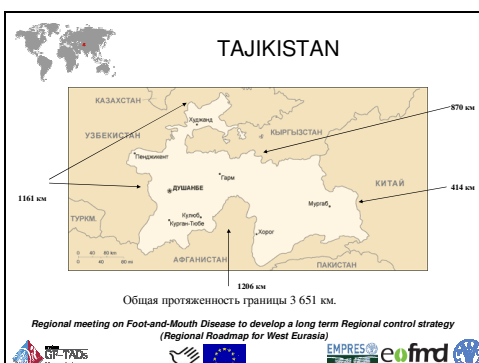
  **GF-TADS**
GLOBAL FRAMEWORK FOR THE
REGULATIVE CONTROL OF
TRANSBOUNDARY ZOOLOGICAL DISEASES

TAJIKISTAN

Sangimurod Murvatulloev
Dushanbe, Tajikistan / sangimurod.murvatulloev@fao.tj
Tel: (992 93) 570 07 11

*Regional meeting on Foot-and-Mouth Disease to develop a long term regional control strategy
(Regional Roadmap for West Eurasia)
Shiraz, Islamic Republic of Iran
9 - 13 November 2008*






   

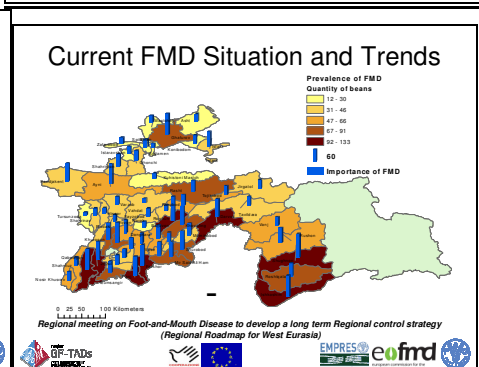
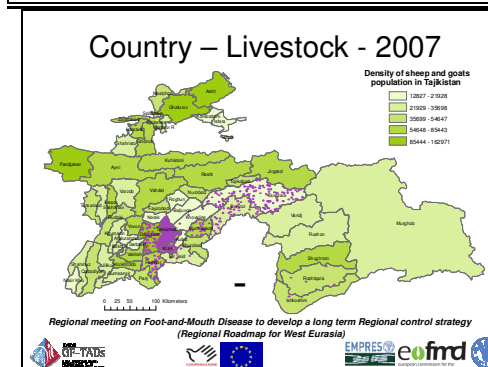


Country – Livestock - 2007

| Province | Cattle | Dairy Cattle | Small ruminants | Yak |
|---------------------|---------|--------------|-----------------|-------|
| Total in Tajikistan | 1422614 | 756615 | 3172611 | 15131 |
| GBAO | 93619 | 33069 | 267112 | 14261 |
| Sughd | 388486 | 210970 | 980853 | 586 |
| Khatlon | 573472 | 314592 | 1247475 | 0 |
| DRD | 367037 | 197984 | 677171 | 0 |

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Control Strategies

- Control strategy – mass vaccination
- Quarantine for importing animals
- Ring vaccination






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Vaccination

- Bivalent/trivalent vaccines
- Applied from 800.000 to 1 mln. doses
- Once in spring for cattle, sheep and goats
- Vaccines contain antigens A and O or A, O and Asia 1 types of FMD viruses
- RF vaccines are used
- Vaccines are not produced in the country
- Quality control of vaccines is not carried out due to CIS countries agreement

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VACCINATION

| Years | # of vaccinated animals | | Diseased |
|-------|-------------------------|-----------------|----------|
| | Cattle | Sheep and goats | |
| 2005 | 1.147.341(84%) | 2.181616 (71%) | - |
| 2006 | 1.244.461(85,6%) | 2.167.813 (70%) | - |
| 2007 | 1.048.981(82%) | 2.161.467 (70%) | - |

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FMD VACCINATION in 2001-2008

| Regions | Cattle | | | | | | | |
|---------|--------|--------|--------|--------|---------|---------|---------|---------|
| | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 |
| Total | 619308 | 481038 | 806318 | 852682 | 1147341 | 1244361 | 1217295 | 1020708 |
| Hatlon | 285322 | 85681 | 162140 | | 376251 | 279291 | 376003 | 311944 |
| Sugd | 183083 | 267382 | 415032 | | 437544 | 459530 | 430207 | 430725 |
| NTM | 85458 | 119006 | 190271 | | 273203 | 324872 | 331380 | 238129 |
| VlKGB | 65445 | 16969 | 38875 | | 60343 | 180668 | 79705 | 39910 |

Small ruminants

| | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 |
|--------|--------|--------|---------|---------|---------|---------|---------|---------|
| Total | 534961 | 815626 | 1487390 | 1913284 | 2181616 | 2167813 | 2340343 | 1928102 |
| Hatlon | 91591 | 86621 | 395009 | | 719790 | 604939 | 736303 | 644467 |
| Sugd | 280369 | 544943 | 793047 | | 945345 | 1004897 | 955507 | 933453 |
| NTM | 124708 | 153270 | 276293 | | 416466 | 439140 | 445027 | 308763 |
| VlKGB | 57443 | 31732 | 23041 | | 100015 | 118837 | 203506 | 41399 |

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FMD SEROMONITORING 2005-2007

| Province | Samples | Species | Efficiency |
|----------|---------|---------|------------|
| Sughd | 1100 | Cattle | 40% |
| Khatlon | 900 | Cattle | 28% |
| GBAO | 415 | Cattle | 36% |
| DRD | 389 | Cattle | 24% |
| TOTAL | 2804 | Cattle | 32,3% |

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FMD viruses circulating in Tajikistan (type A)

| Province | Years | | | | Total |
|----------|-------|------|------|------|-------|
| | 2001 | 2002 | 2003 | 2004 | |
| Sughd | - | - | - | - | - |
| Khatlon | 4 | - | - | 2 | 6 |
| DRD | 5 | 1 | - | 1 | 7 |
| GBAO | - | - | 2 | - | 2 |
| Total | 9 | 1 | 2 | 3 | 15 |

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FMD viruses circulating in Tajikistan (type O)

| Province | Years | | | | Total |
|----------|-------|------|------|------|-------|
| | 2001 | 2002 | 2003 | 2004 | |
| Sughd | - | - | - | - | - |
| Khatlon | 4 | 1 | 3 | 2 | 10 |
| DRD | 2 | 1 | 1 | 6 | 10 |
| GBAO | - | - | - | 1 | 1 |
| Total | 6 | 2 | 4 | 9 | 21 |

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FMD viruses circulating in Tajikistan(type Asia 1)

| Province | Years | | | | Total |
|----------|-------|------|------|------|-------|
| | 2001 | 2002 | 2003 | 2004 | |
| Sughd | - | - | 1 | - | 1 |
| Khatlon | - | - | 2 | 2 | 4 |
| DRD | - | - | 11 | 1 | 12 |
| GBAO | - | - | - | - | - |
| Total | - | - | 14 | 3 | 17 |

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Laboratory

- NVL
- FMD Institute
- Provincial laboratories – 3
- Districts laboratories – 26
- Diagnostic capabilities – CFT, ELISA in NVL and FMD Institute
- Professional and technical staff / resources
- Number of samples analyzed serology– 2804 (2006, 2007, 2008)

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Epidemiology Unit

- Epizootic Center and its 3 provincial department
- Reporting flow between field to laboratory
- Surveillance strategies
- What information is captured by the epidemiology unit?
- Professional staff - 28







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Border and Movement Control

- 1 slide
- Importations (from?)
- Quarantine restrictions
- Information on illegal/informal movements

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- # Weaknesses in Disease Control
- Absence of the active surveillance system
 - Typification the virus out-of-time
 - Insufficient level of vaccinations
 - Shelter FMD outbreaks
 - Weak equipped Epidemic Center
 - Absence of TAD-info
- Regional meeting on Foot-and-Mouth Disease to develop a long term Regional control strategy
(Regional Roadmap for West Eurasia)*
-        

Border and Movement Control

Regional meeting on Foot-and-Mouth Disease for West Eurasia (Regional map for West Eurasia)

2 На воздушном транспорте

1 На автомобильном транспорте

17 На воздушном транспорте


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Suggestions

- Creation of the regional center of typification FMD viruses and changes of information
- To start up to the simultaneously vaccinations in region countries

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The bottom of the slide features a row of logos. From left to right: the FAO logo (a globe with a leaf), the GIP-TADs logo (a stylized globe with the text 'GIP-TADs' and 'GLOBAL INFLUENZA PROGRAM'), the EMPRES logo (a globe with the text 'EMPRES' and 'EMERGING PATHOGENS'), the eofmd logo (a globe with the text 'eofmd' and 'EUROPEAN ORIENTED FOOT-AND-MOUTH DISEASE'), and the European Union flag (a blue rectangle with twelve yellow stars arranged in a circle).

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