

Republic of

IRAQ

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control*

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Gaps identified

- Unable to attend previous west Eurasia Roadmap meetings
- Inefficient restriction animal movement on boarder.
- No cooperation with Kurdish region in northern Iraq.
- Inefficient cooperation with the veterinary private sector.
- Inefficient awareness campaign.
- Inadequate live stock estimation Number.
- Difficulties in shipping, confirming and matching the isolates.

Project Purpose

- -Eradication of Foot & mouth Disease;
- -Establishment of minimum competencies to the delivery of national veterinary services; and
- -Improve prophylactics measures against exotic infectious diseases.

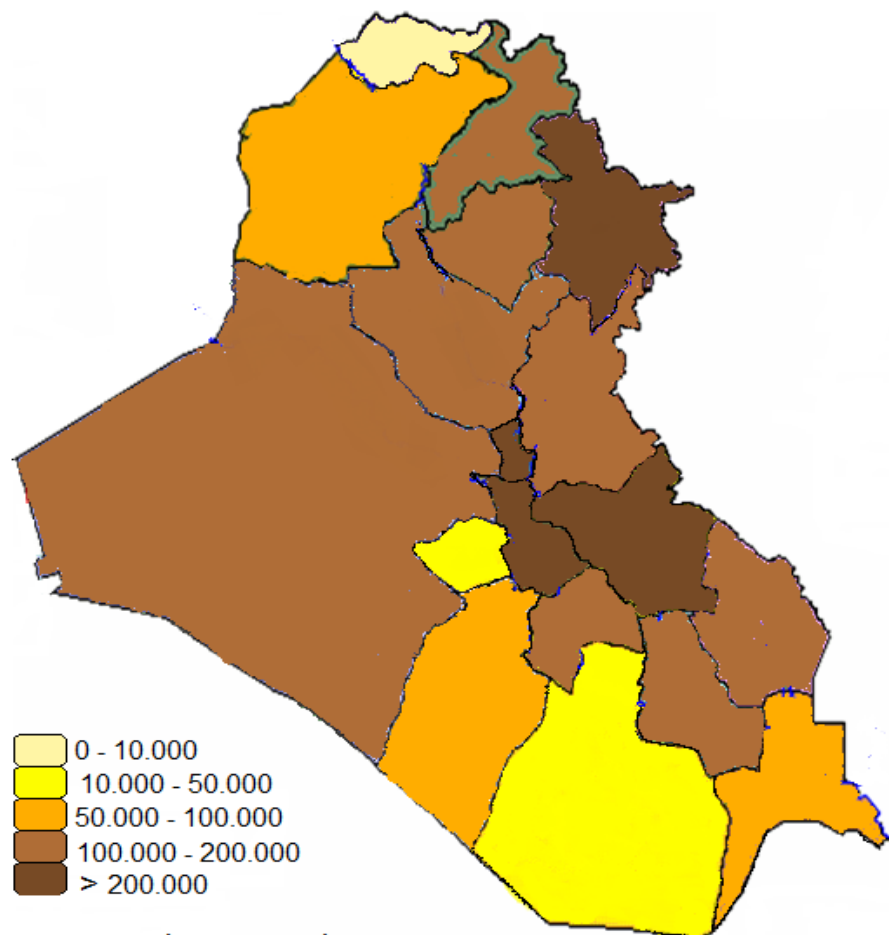
IRAQ

- Geographic Location; **South-West Asia**
- Area; **437.072 km²**
- Population; **32.000.000**
- Capital; **Baghdad (6.000.000)**
- Administrative Units; **18 Provinces**

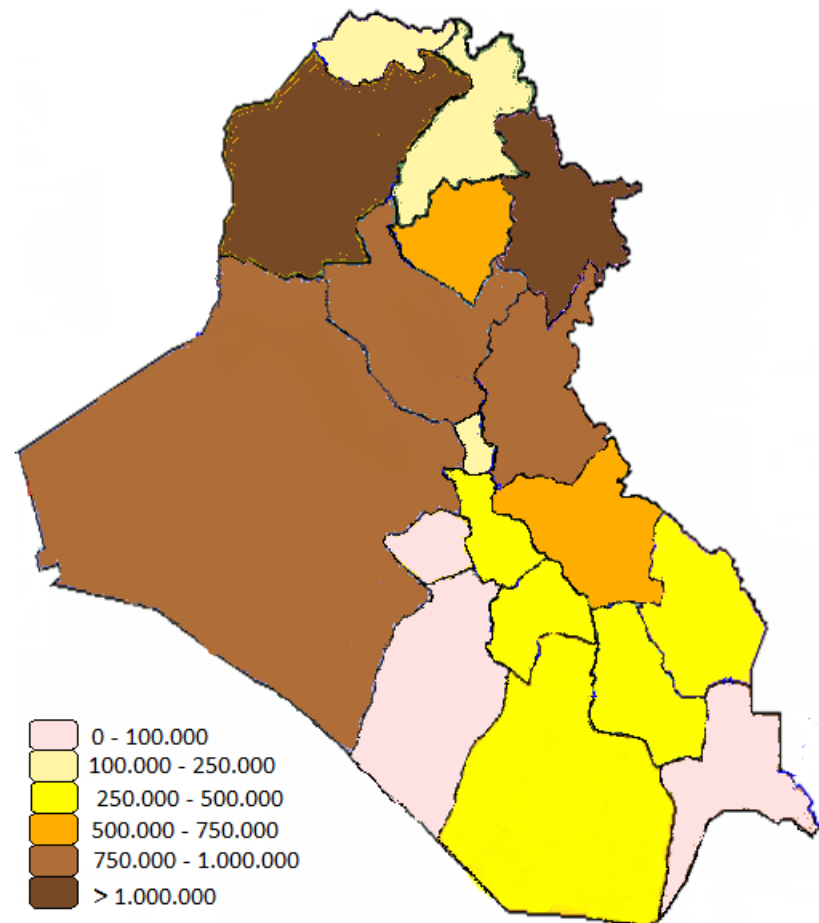
Live stock population and their products

- Cattle = 2.552.113
- Buffalo = 285.537
- Sheep = 7.722.375
- Goats = 1.474.845
- Horses \approx 5549
- Camels = 58.293
- Deer = 1.500
- There are also Poultry, fish, Hives.
- Products : Meat, Milk, Eggs, honey, leathers, wool.

Domesticated Ruminants distribution

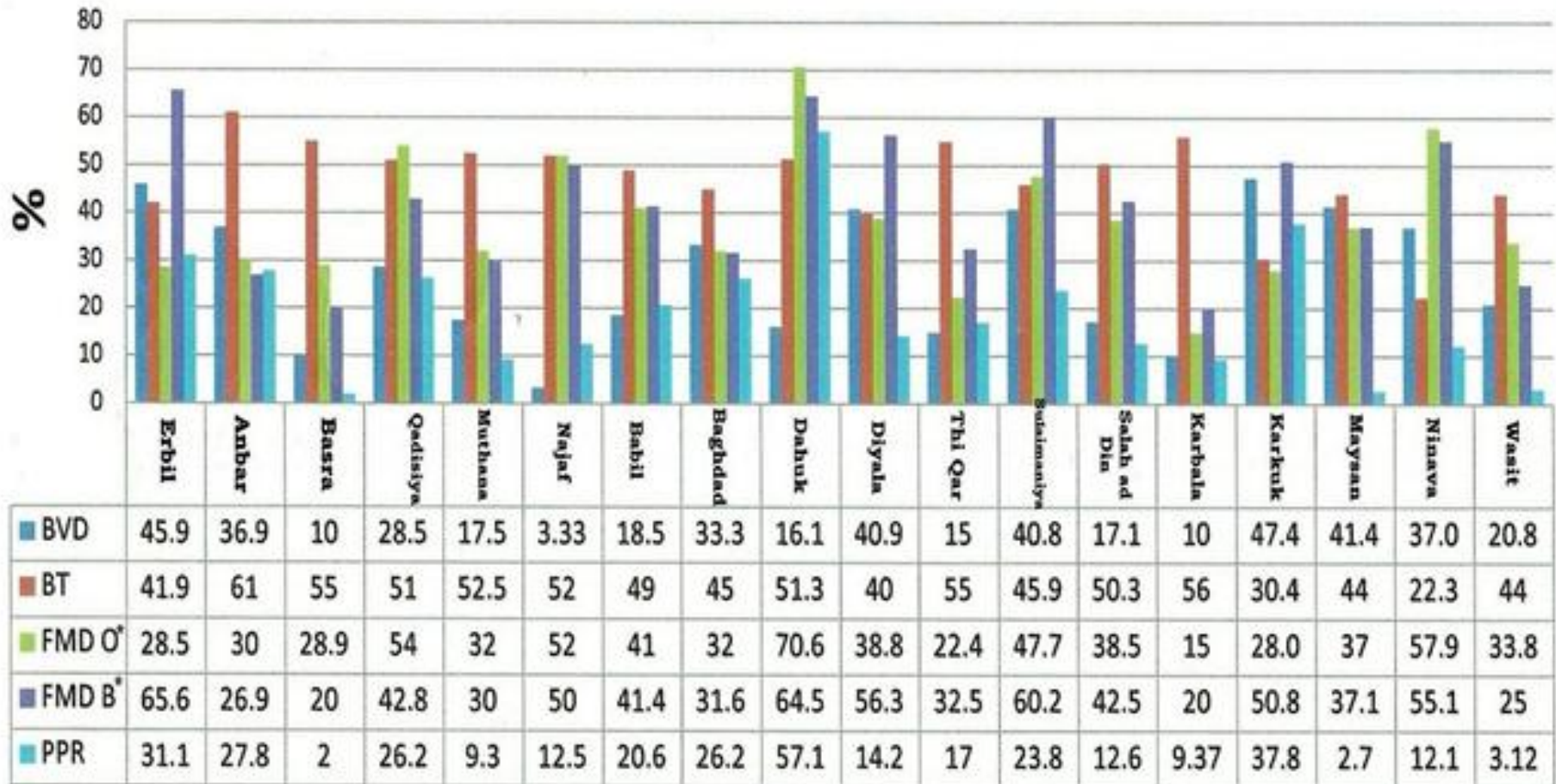


Large Ruminants Density



Small Ruminants Density

TADs Survey 2010



* O = Ovine
 B = Bovine

Sero-surveillance of FMD and related vesicular diseases

FMD control strategy

- Compulsory routine vaccination campaign to all large and small ruminants, twice yearly in whole country.
- Restriction of live animal movement, and animal products.

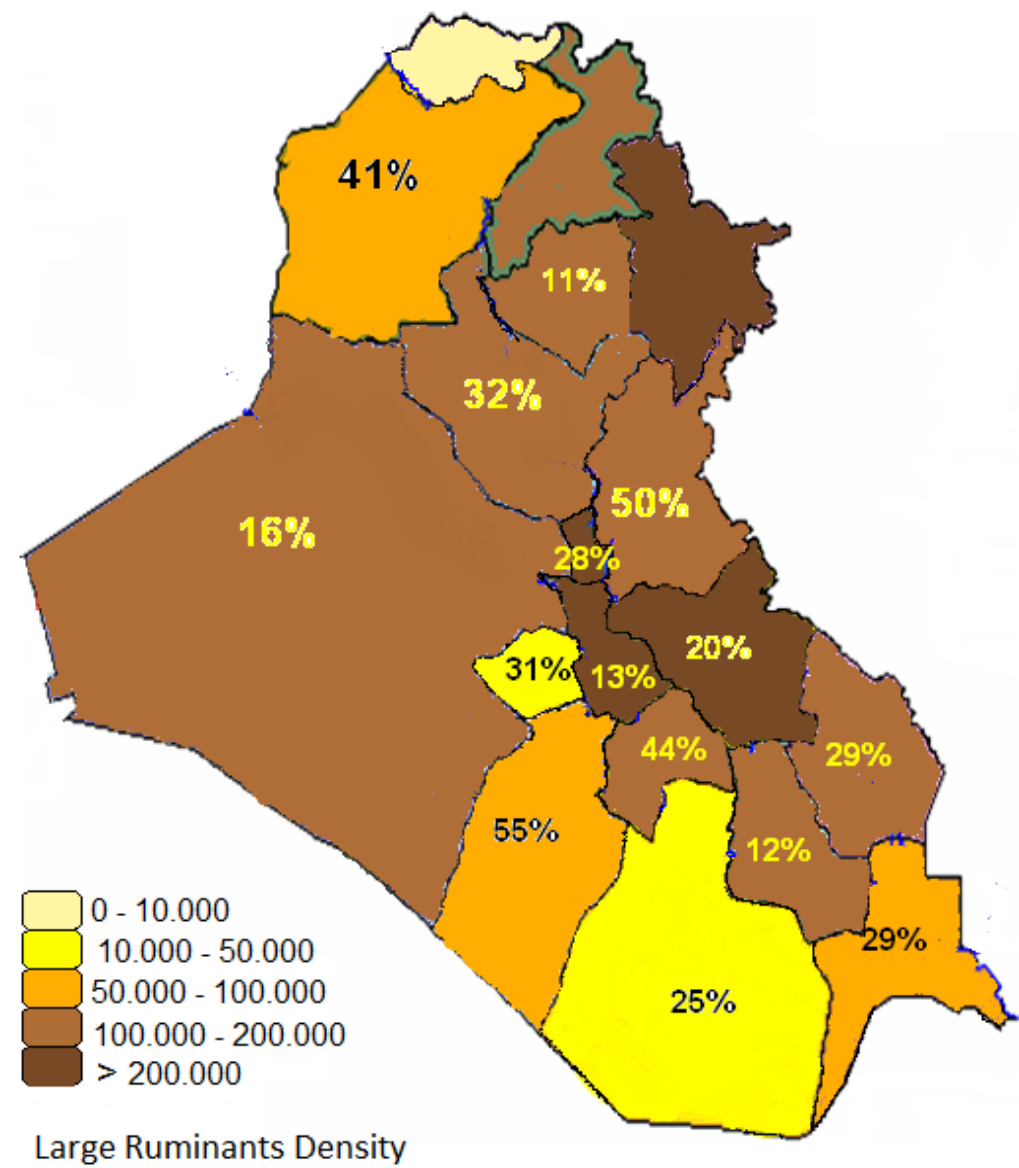
Description of FMD control activities

- Routinely evaluate vaccination campaign.

	Provinces	Vaccination	Immunize		Provinces	Vaccination	Immunize
1	Dyala	62.2%	48%	9	Missan	64%	43.5%
2	Baghdad	77.5%	67.5%	10	Muthana	83%	50%
3	Basrah	100%	70.5%	11	Dewania	84.6%	61.3%
4	Ninevah	75%	63%	12	Karbla'a	72.7%	63%
5	Kirkuk	90.4%	57%	13	Najaf	66.6%	44.4%
6	Babil	86.7%	67.9%	14	Wassit	64.5%	45%
7	Anbar	73%	61.5%	15	Thi-Qar	61%	55%
8	Salah El-din	74%	57%				
	Total Vaccination		69.88%		Total Immunize		57%

control activities

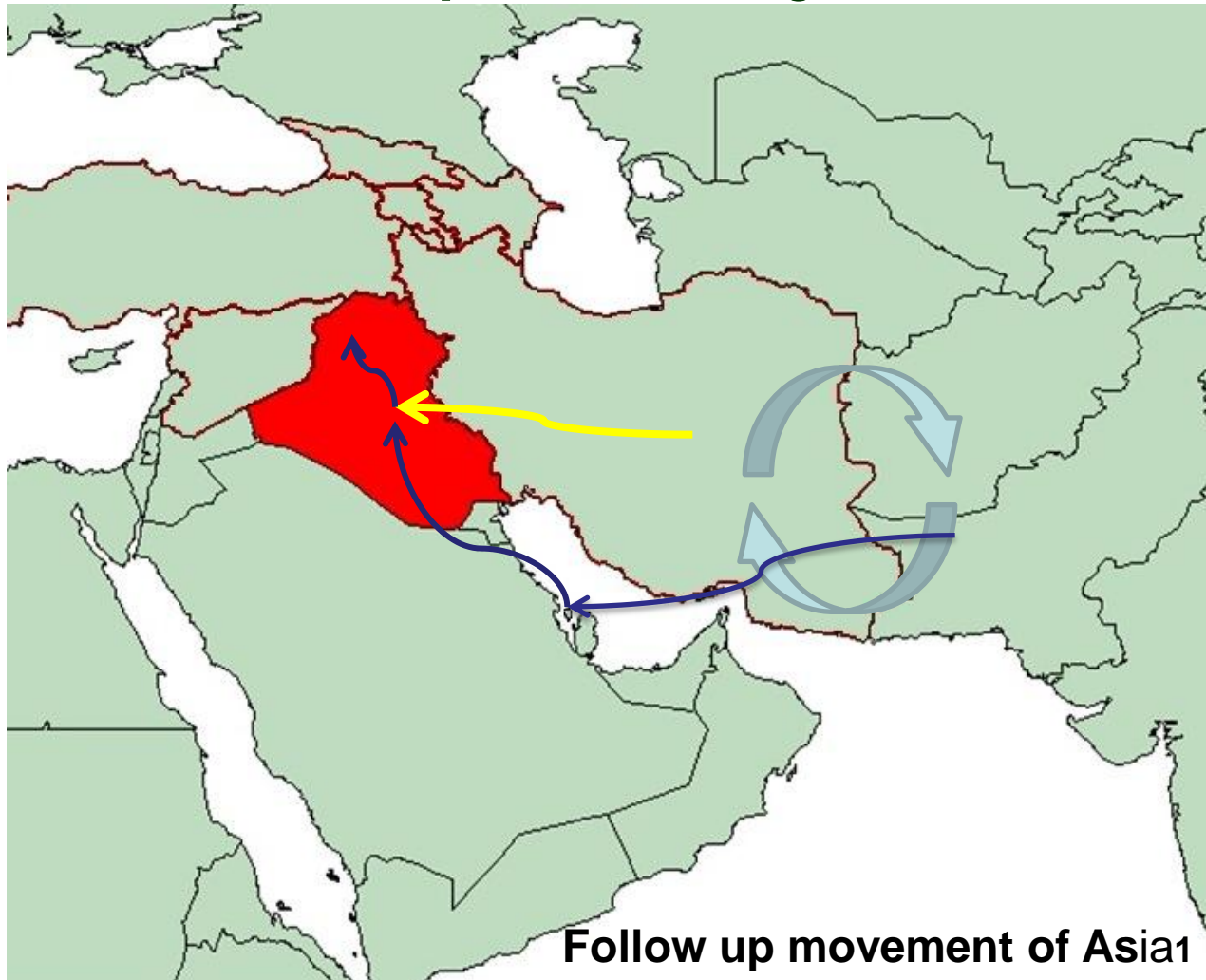
- Serological surveillance on NSP and SP.



FMD NSP Distribution Map 2012

control activities

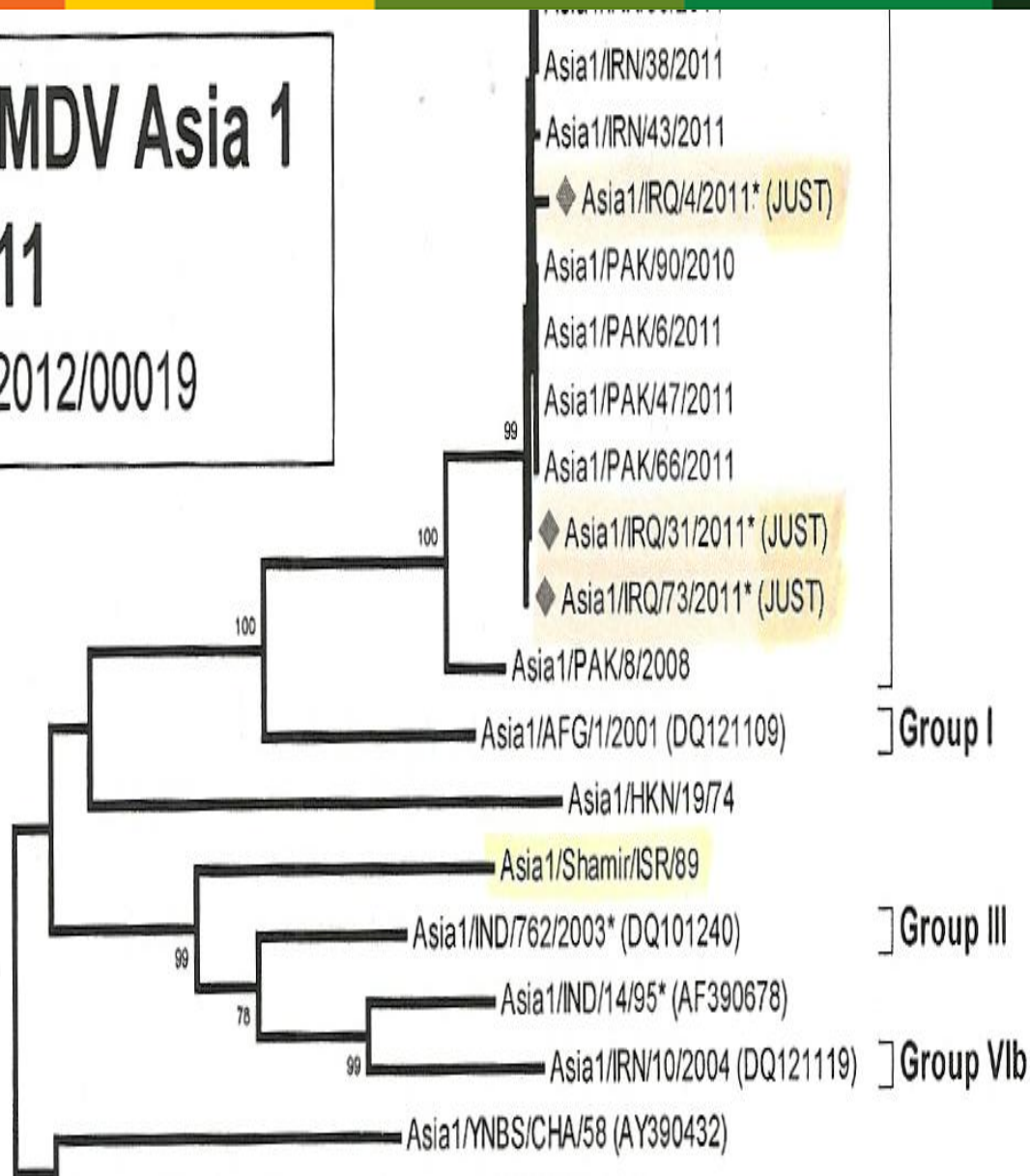
Outbreaks **follow up** and investigation



Follow up movement of Asia1 in 2011



**Report on FMDV Asia 1
in Iraq in 2011**
Batch: WRLMEG/2012/00019



control activities

- Outbreaks follow up and investigation

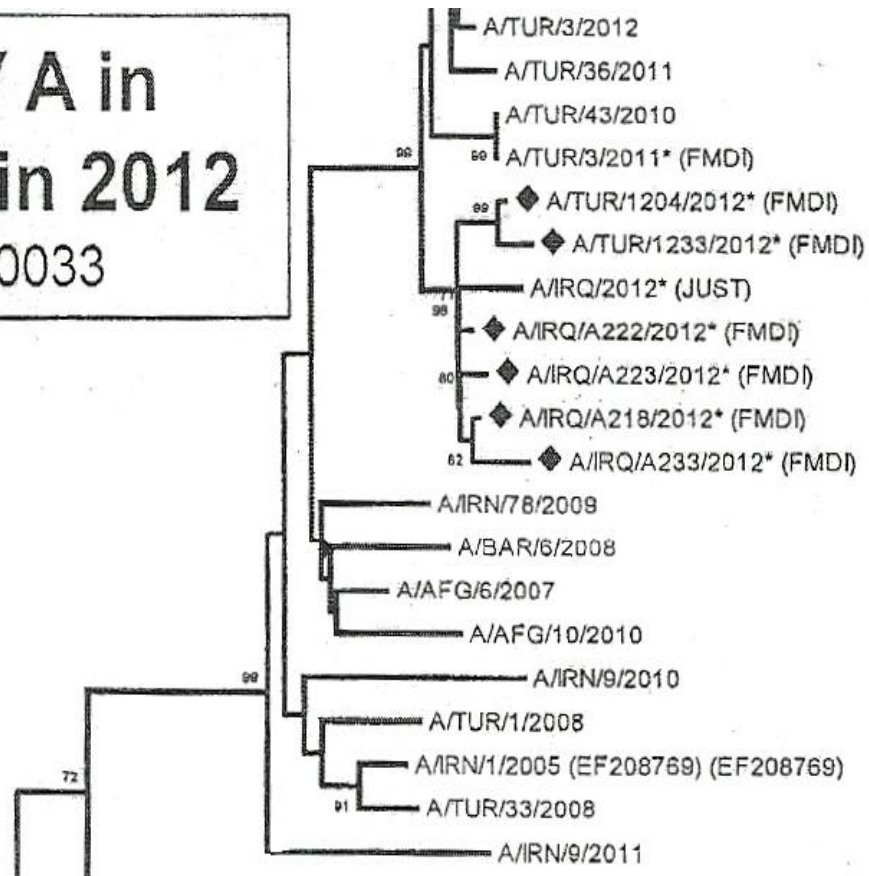


**Follow Up movement of
A/SIS/2010 in 2012**

control activities

- National and global Laboratory confirmation.

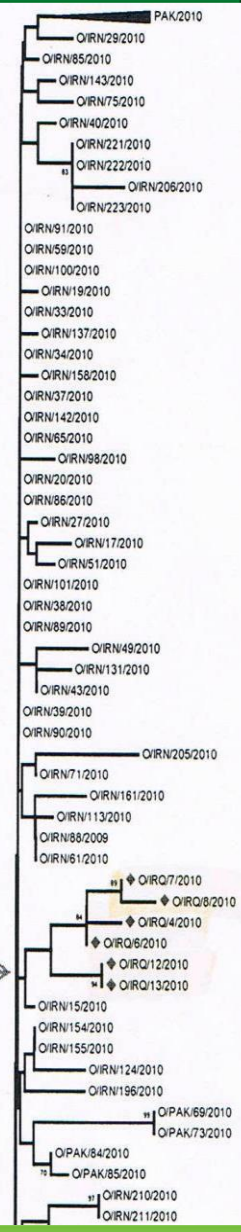
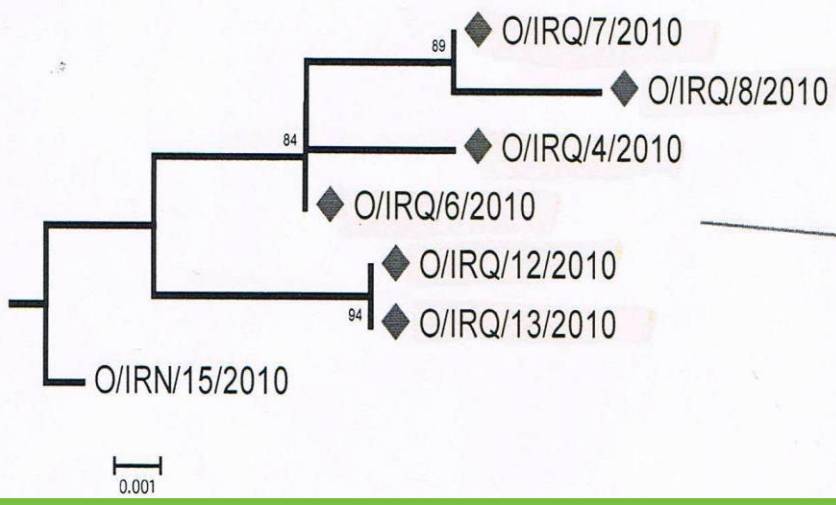
**Report on FMDV A in
 Iraq and Turkey in 2012**
 Batch: WRLMEG/2012/00033



Report on FMDV O in Iraq in 2010

Batch: WRLFMD/2011/00019

◆ indicates viruses in this batch



control activities

- Quarantine & Biosecurity measures supported by Laboratory tests.

- FMD Surveillance Results

FMD NSP Surveillance 2012

Provinces	Cattle & Buffalo
Nineva	41%
Salah Alden	32%
Kirkuk	10.6%
Dyala	50%
Anbar	16%
Baghdad	28%
Babil	13%
Wasit	20%
Karbala'a	31%
Najaf	55%
Diwanya	44%
Muthana	25%
Missan	29%
Thiqar	11.5%
Basrah	29%
Total	28.23%

- FMD Surveillance Results

**•FMD NSP Surveillance in 2013
is under processing**

FMD control measures 2012

Vaccination Campaign 2012

Species	Total	Vaccinated	Location
Cattle & Buffalo	2,837,649	1,798,074 (63.37%)	15 Provinces

FMD control measures 2013

1st Vaccination Campaign 2013

Species	Total	Vaccinated	Location
Cattle & Buffalo	2,837,649	1,706,055 (60%)	15 Provinces
Sheep & Goats	9,197,211	6,735,825 (73%)	15 Provinces

- control measures

Vaccine qualification

- **Trivalent** (**A**/TUK/06)
(**O**/PanAsia_2)
(**Asia** 1/ Shamir)
- **Double Emulsion** O W O
- **6 PD50 Potency**

- control measures (others)
 - Super Vaccination in Dairy farm and animal live markets (3 time yearly).
 - Super Vaccination in Intensive fattening units pre-entry.
 - Customized the sub strains of FMD viruses entered in the vaccines.
 - Vet. Policy is required for animal movement.

Control measurement efficiency

In spite of the presence of **3 serotypes** in **2012** compared with **one serotype** in **2010**,

Sero-surveillance results indicate **decrease** in NSP titer from **42%** to **28%** , reflecting the efficiency of the applied control policy.

Thanks
for your Attention