OIE PVS Pathway
Israel Experience

Dr. Aniella Gilboa
Agenda

- Some Facts about Israel
- PVS Key Recommendations
- The Israeli Veterinary Services
- How the PVS report can help?
Israel

- 22,330 km²
- Population = 7.65 million.
- Highly intensive agriculture
- Urban population of 90%
- Population Density 34th place
- Half of country area is a desert
- Poor water resources
  - 500 mm rain in winter
  - 0 mm in a long hot summer
• Israel is located at the junction of 3 continents and serves as a major pathway of Bird migration
• Every year 500 million birds fly over Israel
Agricultural Output

6,031 Million EUR
**livestock**

<table>
<thead>
<tr>
<th>Species</th>
<th>Total no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dairy Cattle</td>
<td>170,000</td>
</tr>
<tr>
<td>Free range Cattle</td>
<td>135,000</td>
</tr>
<tr>
<td>Dairy beef in feedlot</td>
<td>145,000</td>
</tr>
<tr>
<td>Sheep &amp; Goats</td>
<td>600,000</td>
</tr>
<tr>
<td>Poultry</td>
<td>45,000,000</td>
</tr>
<tr>
<td>Pigs</td>
<td>200,000</td>
</tr>
<tr>
<td>Equine</td>
<td>35,000</td>
</tr>
</tbody>
</table>
Livestock- Some Facts

• Israel dairy cattle is the most productive in the world
• Dairy farming dominated by highly mechanized and intensely managed farms
• The poultry sector- highly structured and also contribute significant portion to the agricultural export (18%)
• In contrast, half of the small ruminants are found in a less intensive production systems at an agro-pastoral population
• Israel is self sufficient in milk, eggs and poultry
The Record holder – “Supha”

21,400 Litter/ year
Multicultural society - different views
The VS in Government Chart
## The VS Districts

<table>
<thead>
<tr>
<th>#</th>
<th>Inspectors</th>
<th>Vets</th>
<th>District</th>
</tr>
</thead>
<tbody>
<tr>
<td>7</td>
<td>2</td>
<td>5</td>
<td>Rosh Pina</td>
</tr>
<tr>
<td>7</td>
<td>1</td>
<td>6</td>
<td>Acco</td>
</tr>
<tr>
<td>7</td>
<td>3</td>
<td>4</td>
<td>Gilboa</td>
</tr>
<tr>
<td>8</td>
<td>3</td>
<td>5</td>
<td>Hadera</td>
</tr>
<tr>
<td>10</td>
<td>4</td>
<td>6</td>
<td>Kanot</td>
</tr>
<tr>
<td>11</td>
<td>4</td>
<td>7</td>
<td>Beer Shiba</td>
</tr>
<tr>
<td>50</td>
<td>17</td>
<td>33</td>
<td>Total no.</td>
</tr>
</tbody>
</table>
Budget of VS

• 22 million USD
  ➢ 50% is budgeted by the government
  ➢ 50% is income from statutory vaccinations, permit fees and diagnostic services

• Research funding
  ➢ local farmers associations
  ➢ governmental research funds
  ➢ international organizations such as BARD, GIF
The OIE PVS Evaluation Oct. 2011

Dr. Eric Fermet-Quinet (Team leader)
Dr. Julia Punderson (Technical expert)
Dr. Jorge Armstrong (Technical expert)


Dr. Julia Punderson
Dr. Eric Fermet-Quinet
Dr. Nadège Leboucq
Dr. Francisco D’Alessio
Some PVS Recommendations

- Epidemiological department
- Shifting from preforming operational tasks to inspection
- Improve the Organization Chart
- Post Degree Education program
- Databases integration
- Risk assessment
- Clarify the mandate of the VS vs MoH
Epidemiology

FMD

LSD outbreak 2013

293 herds
Mortality – 632
Destroyed - 356
Epidemiology - Challenging Border...
Epidemiology - Brucellosis

Distribution of disease in people and sheep flocks
Task Shifting – Operational to inspection

2015
- Vaccination: 20%
- Inspection: 80%

2011
- Vaccination: 80%
- Inspection: 20%

Privatization
Task Shifting – Changing paradigm

Operational tasks – *decline*

- Tagging
- Vaccination of S19
- Vaccination of rabbis
- Vaccination of Anthrax
- Vaccination of sheep

Supervision tasks – *incline*

- Food Safety
- Feed Safety
- Animals welfare
VS Organization Chart - 2011

[Diagram of an organization chart for 2011, showing various departments and their relationships.]
VS Organization Chart

Israel Veterinary Services & Animal Health

Chief veterinary officer

- Epidemiology
- Medicinal products registration & control
- Animal feed control
- Fish/bee diseases

Animal Products
- slaughter houses
- Abattoirs
- Dairy plants
- Fish products
- Eggs

Import/Export
- Land border crossings
- Air & sea ports
- Quarantine stations

Poultry Disease
- North
- South

field veterinary services
- Rosh pina
- Acco Nazareth
- Afula-Gilboa
- Hadera
- Canot
- Beer Sheva
- Small ruminants diseases
- Pig diseases
- Horse diseases

veterinary Institute
- Bacteriology
- Pathology
- Poultry & fish
- Virology
- Parasitology
- Chemistry
- Research farm

Administration
- Human resources
- Finances
- Safety
- Logistic
- Archives
- Library

2013

- 14
- 23
- 11
- 57
- 102
- 46
Risk Analysis

• Brucella abortus vaccination S-19.
• Eradicated - Last case on 1984.
• Why to continue Vaccinate?
• Is it necessary?
• Proactivity.
PVS Experience Summary

- Only Recommendation...
  - Not mandating undesired changes
  - Confidential

- Independent and Professional only
  - Clear of political interest
  - Non biased
  - Wide perspective
  - Provides the weaknesses/strengths at many aspects – helps focusing.
  - Very practical tool – suggests solutions.
  - Leveraging CVO demands from finance, health and other ministries
  - Aiding CVO in passing Organizational Changes
Demands always exceeds budget

- Leveraging CVO demands from finance, health and other ministries
Pepole don’t like changes:

➢ Aiding CVO in passing Organizational Changes
You don't have to invent the wheel
Take home message:

“Smart people learn from their mistakes. But the real sharp ones learn from the mistakes of others.”
Thanks!!

• For your attention

• To the dedicated PVS Team and Gap Analysis Team for their dedicated, professional and fruitful work
Back Up
Double standard

Local Market - MoH

Dairy
Meet products
Poultry products

Export - IVS

Dairy
Meet products
Poultry products
The new *diverge* of mandats

- MoH – all product (Meet, poultry, dairy)
- One standard for exported and local products.
- VS – slaughterhouses,
Poultry product for export: 2 distribution methods

**Export**
- 21 days for distribution

**Identical products**
- Local Market
  - 6 hours for distribution
- Same supervision: HACCP, Factory Vet, VS supervision
  - Paper inspection by IVS
  - Randomized test (5%~) USA VS
  - No other tests

**Supermarket Chicago**

**USA port**

**Israel port**

**Tele Aviv**

**Holon**

**Bat Yam**

Secondary inspection of all vehicles
Imported meet

Imported from Argentina

Exported to

Israel Port

Exported to

European market

Secondary test at city gates

Supermarket

Supermarket
Task Shifting – Operational to inspection

Trends in activity of VS


Food Security Animal Health Food Safety Animal Welfare
VS Organization Chart - Vision (2015?)

- CVO
- Epidemiology & RA Department
  - Animal Welfare
  - Import-Export
  - Animal Health
  - PH
  - veterinary institute
- Administration
Changes are already here...

- בריאות בעד"ח
- ש"ט בשדה
- מגור העופות

- בריאות ציבור וטרינרית
- VPH
- חל.dense והיתום מול מש הבריאות
- מספור
- תכשיטים
- עיב"ח
"הכל זורם"
مشתנים דינמיים

• כוח אדם משטחי בקיצוץ (sortBy ט"ט 285 משרות)
• נפח משימה הפיקוח עליה
• קומת הוטרנירים בישראל עליה
• קומת רפתות החלב ירידה (תְנֵנוֹ)
• קומת משקי יבש"ש ומקטמות ירידה (כלכלת שוק)
• קומת משקי הzacן ייבת (שוק)
• גודל משק לעלייה
• מעבר דאקטנסיבי לאינטנסיב
• יколоתعظمאות המגודל עליה
משק משפחתי" – "משק שיתופי"  
"התישבות" – מטח שבבים  
משק מחונן – מסוכת יזרע (חופש העיסוק)  
דור המשך
Cattle population - 450,000 heads

Zero grazing

Zero housing
Changing of the paradigm

Operational tasks - **decline**
- Tagging
- Vaccination of S19
- Vaccination of rabbies
- Vaccination of Anthrax
- Vaccination of sheeps

Supervision tasks – **incline**
- Food Safety
- Feed Safety
- Animals welfare
- תכשירים
- aouthorithies
Rate of broiler and turkey farms meeting the IVSHA biosecurity and licensing requirements by date of official inspection of farms October 2013
פיקוח על הפרסה ובנקודות מכירה
מקורות סמכות מיוחל ומוצרל

רופא

רשות

הבריאות

הנחיות

מקצועיות

נחיות

מקצועיות

מש החק

הנחיות

מקצועיות

ראש הרשויות

רפואה

רשות

מש האוצר

מש הכלכלת

מש המשפטיים

מרכז שלטון

ממקומי

مركז שלטון

ממקומי
In this context, reinforced controls were launched on 5 September 2013 following RASFF notification 2013.1138 that notified presence of the unauthorized substance clopidol (37.3 ng/kg) in frozen poultry meat from...
נושאים צעב'ה

הוק אтика

ניראות

חשיפות- כתבים ומצלמים

שותפות- חיות ומצילים

Poultry

שחיטה "שחורה"

פרה "רובצת" (קורסה)

שיקון יונקים

הסרת קרניים, טילוק

השמל- "שוקר", כלב חשמלי
מטרות durée"ת:

• בריאותבעל' חיים

• בריאות הציבור

• רווחתבעל' חיים

• בטחון תזונתי - סדירוט אספתקי מזון holster
Animal welfare

Public health

Food assurance

Animal health