



Food and Agriculture  
Organization of the  
United Nations



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# Report on the PPR situation in *Egypt*

Consultative seminar on progress made in  
FMD/PPR roadmaps for East Mediterranean  
countries  
Beirut-Lebanon  
11-12 September 2022

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**General Organization for Veterinary Service**



## GF-TADS

GLOBAL FRAMEWORK FOR THE  
PROGRESSIVE CONTROL OF  
TRANSBOUNDARY ANIMAL DISEASES



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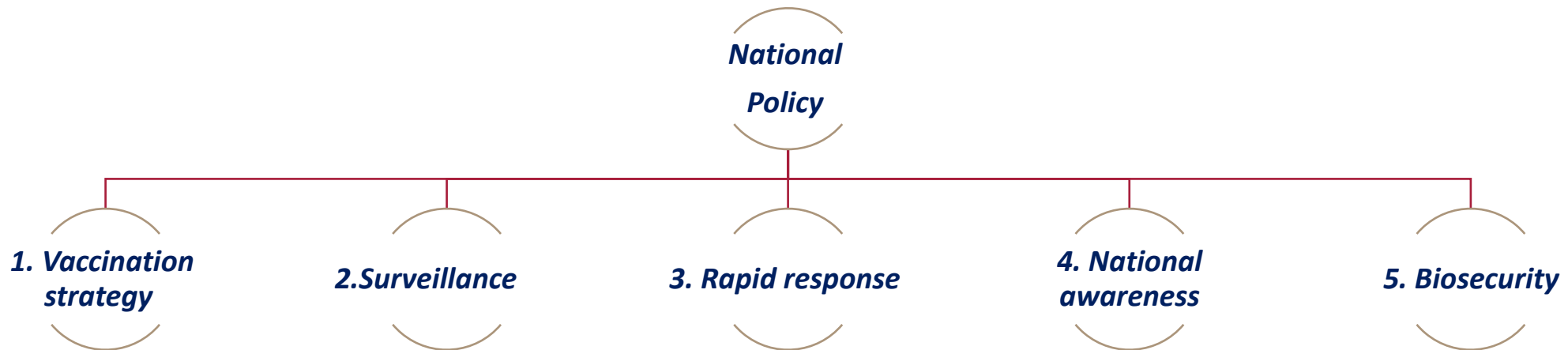
## Introduction:

- *Small ruminants are one of the main sources of meat production in Egypt*
- *There are about **2.6** million heads of sheep and goats in Egypt*
- *Husbandry systems represent; nomadic grazing sheep and goats flocks; small farms or mixed farming system and households*
- *Infection with PPR virus in Egypt is one of the threats to small ruminant population leading to economic losses affecting livelihood mainly of poor people*
- *The PPR strain belongs to **lineage 4** (according to Pirbright result in May, 2014 ).*
- *In 2019, First mass vaccination campaign was implemented.*
- *Egypt in **stage two** of PPR Strategy stepwise approach “following the self-evaluation using the revised PMAT”.*

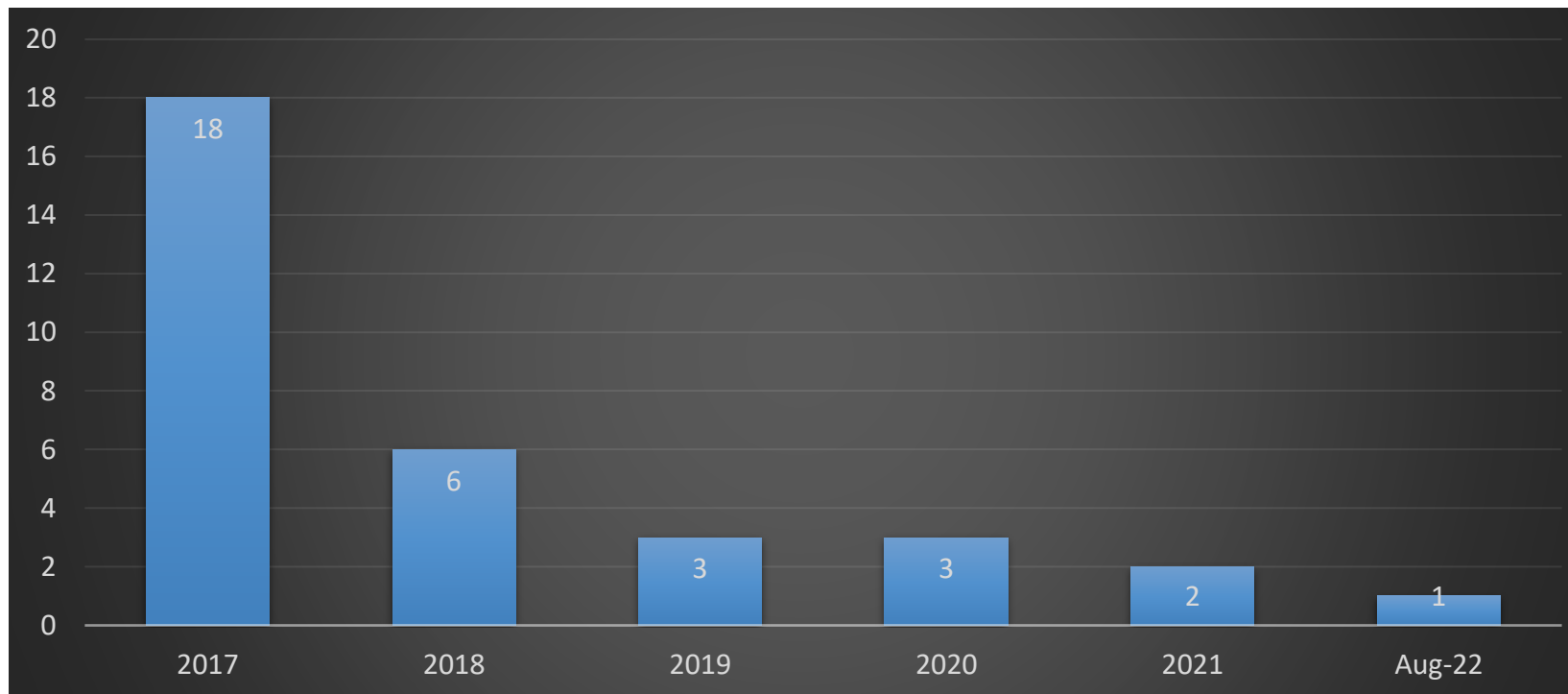


## **History of PPR outbreaks:**

- *In 1987, first PPR cases is recorded and from 1989 till 2012 (lack of regular surveillance and no confirmed lab results),*
- *In May 2012, one case was recorded in sheep farm in Cairo*
- *Since detection of confirmed case in 2012, GOVS applied national control strategy for PPR to reduce impact of PPR*



## ***PPR epidemiological situation:***



***Total no. of confirmed outbreak by village recorded through passive surveillance from 2017- 8/2022***

## **PPR epidemiological situation cont.....:**

### **Active clinical surveillance:**

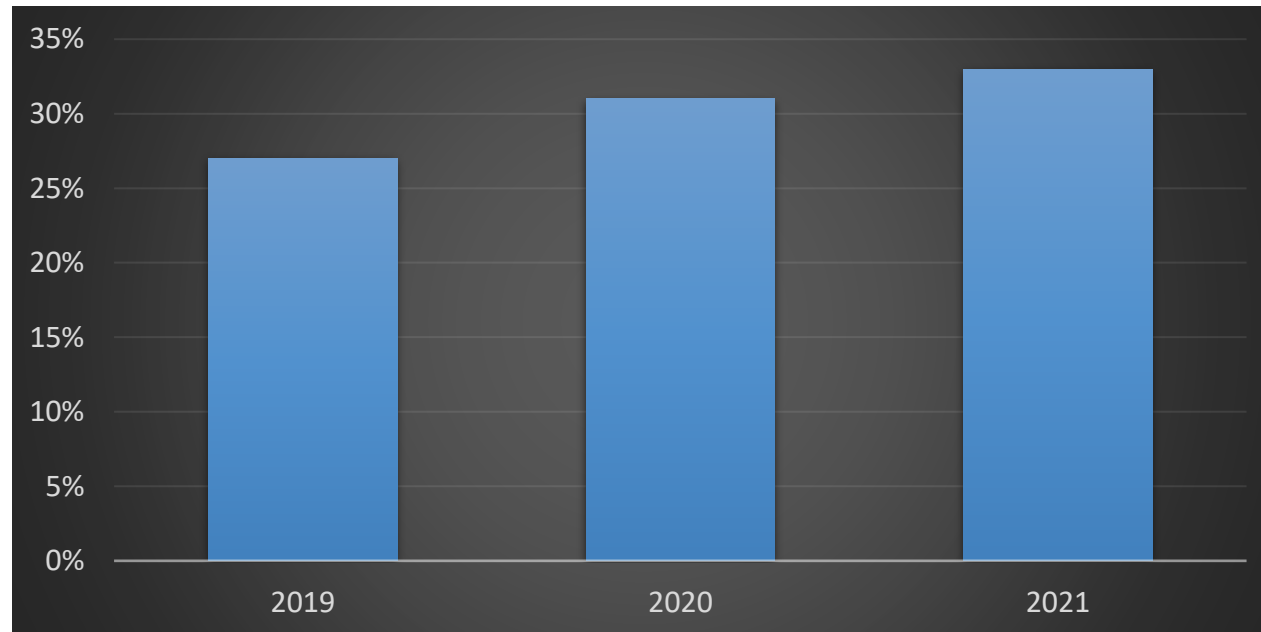
- *From August 2020 till 2021, epi teams all over governorates investigate the animal health status based on prepared case definition.*

<b>No.</b>	<b>Items</b>	<b>Total no.</b>
1	<i>Total no. of visited villages</i>	4602
2	<i>Total no. of visited houses</i>	70458
3	<i>Total no. of investigated animals</i>	281688
4	<i>Total no. of suspected cases for PPR based on clinical signs</i>	0

***GOVS starts to implement active clinical surveillance in 2022***

## Vaccination:

- *The first national mass vaccination campaigns conducted in 2019.*
- *Animal is vaccinated with live attenuated virus vaccine produced locally by the VSVRI, African strain; Nigerian type 75/1*
- *GOVS will start “ National PPR vaccination campaign on 10/2022”.*



# **PPR sero-monitoring of vaccination in the filed in 2021:**

## **Methodology:**

- *Sample size calculated to represent each region from the 5 region in Egypt (Central – Delta – Eastern – Western – Upper Egypt), of one governorate / region based on the highest densities of small ruminant per governorate.*
- *Sampled the same animals before and after vaccination with one-month apart (selected sheep / goat must be ear-tagged)*
- *Take a sample from sheep / goat age 6 – 18 month and from areas with no history of previous infection or vaccination.*
- *The young age shoats (less than 6 months) should not be sampled in order to avoid the maternal immunity.*

***So, 1153 serum samples collected from sheep and goat in 4 governorates/twice***

***During implementation, there is no detection of clinically active cases***

# Awareness:

It focuses on sending key message to owners which aimed to improve awareness about PPR through different tools:



جمهورية مصر العربية  
وزارة الزراعة واستصلاح الأراضي  
الهيئة العامة للخدمات البيطرية  
الإدارة العامة للخدمات والإرشاد

## طاعون المجترات الصغيرة "الماعز والأغنام"



هو مرض فيروسي سريع الانتشار يصيب الماعز والأغنام

أهم أعراض المرض:

- ارتفاع في درجات الحرارة يصل إلى ٤٢م.
- فرح في الفم - خمول الحيوان.
- التهاب العين والانف والفم - فقدان الشهية.
- إفرازات أنفية تتحول إلى صديدية يصاحبها أعراض تنفسية.
- إذا تأخر العلاج يحدث إسهال ونفوق خلال اسبوع من ظهور الأعراض وخاصة في الحيوانات الصغيرة.



كيف تحمي حيواناتك من المرض؟



التحصين.

- إذا ظهرت الأعراض اعزل حيوانك المصاب وبلغ السلطات البيطرية.
- نظف وظهر بالجير أو الفينيك.
- التخلص من الحيوانات النافقة بالطريقة البيئية الصحية (الدفن أو الحرق).
- في حالة الوباء، لا تشتري حيوانات جديدة.



الإرشاد  
البيطري  
المصري  
المعلومة = حياة

19561  
الخط الساخن

مع تحيات الإدارة العامة للخدمات والإرشاد

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<https://www.youtube.com/watch?v=IhTpfV1C EJs&feature=youtu.be>

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بحث عن مقاطع فيديو

الصفحة الرئيسية

بث مباشر

ترفيه

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تسجيل

إرشاد بيطري أسوان 2017

١٣ سبتمبر ٢٠٢١

السبت القادم تبدأ مديرية الطب البيطري بأسوان برئاسة د.احمد صالح الحملة القومية لتحصين الأغنام والماعز بفتح طاعون المجترات الصغيرة لعام ٢٠٢١ بجميع قرى المحافظة

جمهورية مصر العربية  
وزارة الزراعة واستصلاح الأراضي  
الهيئة العامة للخدمات البيطرية  
الإدارة العامة للخدمات والإرشاد

طاعون المجترات الصغيرة  
"الماعز والأغنام"

الإرشاد  
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المعلومة = حياة

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# Biosecurity

- *Implementation of biosecurity measures concerning professionals to reduce risk transmission especially during vaccination campaigns and any suspicious cases.*
- *At farm level, a ministerial decree has been issued to organize registration of any farm with applying biosecurity measures.*



# ***Understanding the drivers of animal mobility (ongoing activities)***

## ***Supported by EU-FMD in cooperation with CIRAD***

### ***Aim to:***

- *Reconstruct the structure of the production and marketing chain for live cattle, small ruminants, and camelids at national level, with the identification of the key types of premises.*
- *Identify hotspots for the production and trade of live cattle, small ruminants and camelids in the country, characterized by a high density of livestock and/or a high intensity of movements. These hotspot areas will be used for the selection of the study areas for the survey (for FMD)*
- *Design a survey protocol for*
  - *Monitoring of the temporal dynamics of livestock movement and sale prices in a sample of key locations;*
  - *Identification of the motivators of livestock movements.*

***The initial plan was to cover cattle, small ruminants and camelids production and marketing chains, there was only sufficient time to discuss small ruminants***

***And it will support all TADs in its control strategies***

## ***Understanding the drivers of animal mobility (ongoing activities)***

***Supported by EU-FMD in cooperation with CIRAD cont.....***

*Series of **3 workshops** with different stakeholders from the veterinary services and other representative from relevant organizations involved in the livestock production (ministry of agriculture, farmer association and traders)*

- 1st workshop: June 22, 2021,*
- 2nd workshop: October 21, 2021,*
- 3rd workshop: October 25, 2021*

*There is **a summary report** activities with EUFMD and CIRAD concerning “understanding the drivers of livestock mobility”.*

# ***Understanding the drivers of animal mobility (ongoing activities)***

***Supported by EU-FMD in cooperation with CIRAD cont.....***

## ***The main outcomes:***

- 1. Structure of the production and marketing chain of small ruminants in Egypt***
- 2. Network representation of the small ruminant production and marketing chains drawn***
- 3. Results of the survey on **actors taking the key decisions on small ruminant mobility, according to the origin of small ruminants*****
- 4. Results of the survey on **key criteria determining small ruminant movements, according to the origin of small ruminants*****
- 5. Results of the survey on **key criteria determining sale price of small ruminants, according to the origin of small ruminants*****
- 6. Results of the survey on **actors deriving the most profits from small ruminant transactions, according to the origin of small ruminants*****
- 7. Main production and trade areas and movements of small ruminants at the national level***

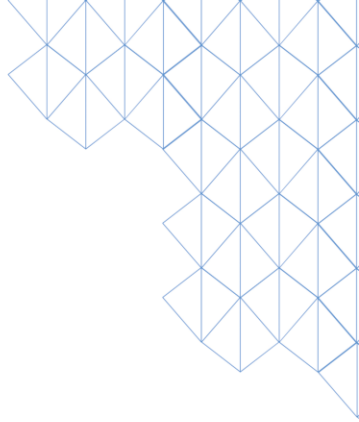
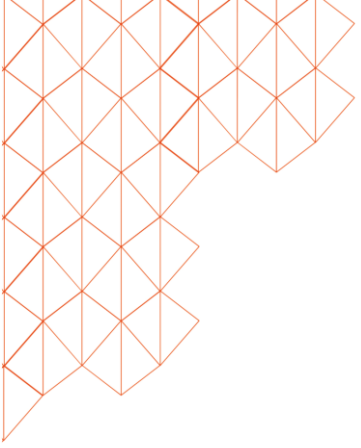
***Understanding the drivers of animal mobility (ongoing activities)***

***Supported by EU-FMD in cooperation with CIRAD cont.....***

**There is proposal to implement two studies:  
(a cross-sectional study and a longitudinal one) both  
focusing on the small ruminant production and  
marketing chains**

# Challenges

1. *Major husbandry systems for sheep and goat in Egypt is nomadic grazing flocks*
2. *Vaccination coverage don't reach to 80% due to type of husbandry system*
3. *Finical resources to increase numbers of the training programs of official field veterinarian*
4. *weak engagement of private vets in the reporting system*
5. *Awareness and communication of farmers*
6. *Identification and registration for sheep and goats especially grazing flocks*



# Thanks