

# ASF control and eradication measures. The implementation of regionalization, compartmentalization and electronic certification in the Russian Federation



*Federal Service for Veterinary and Phytosanitary Surveillance (FSVPS)*

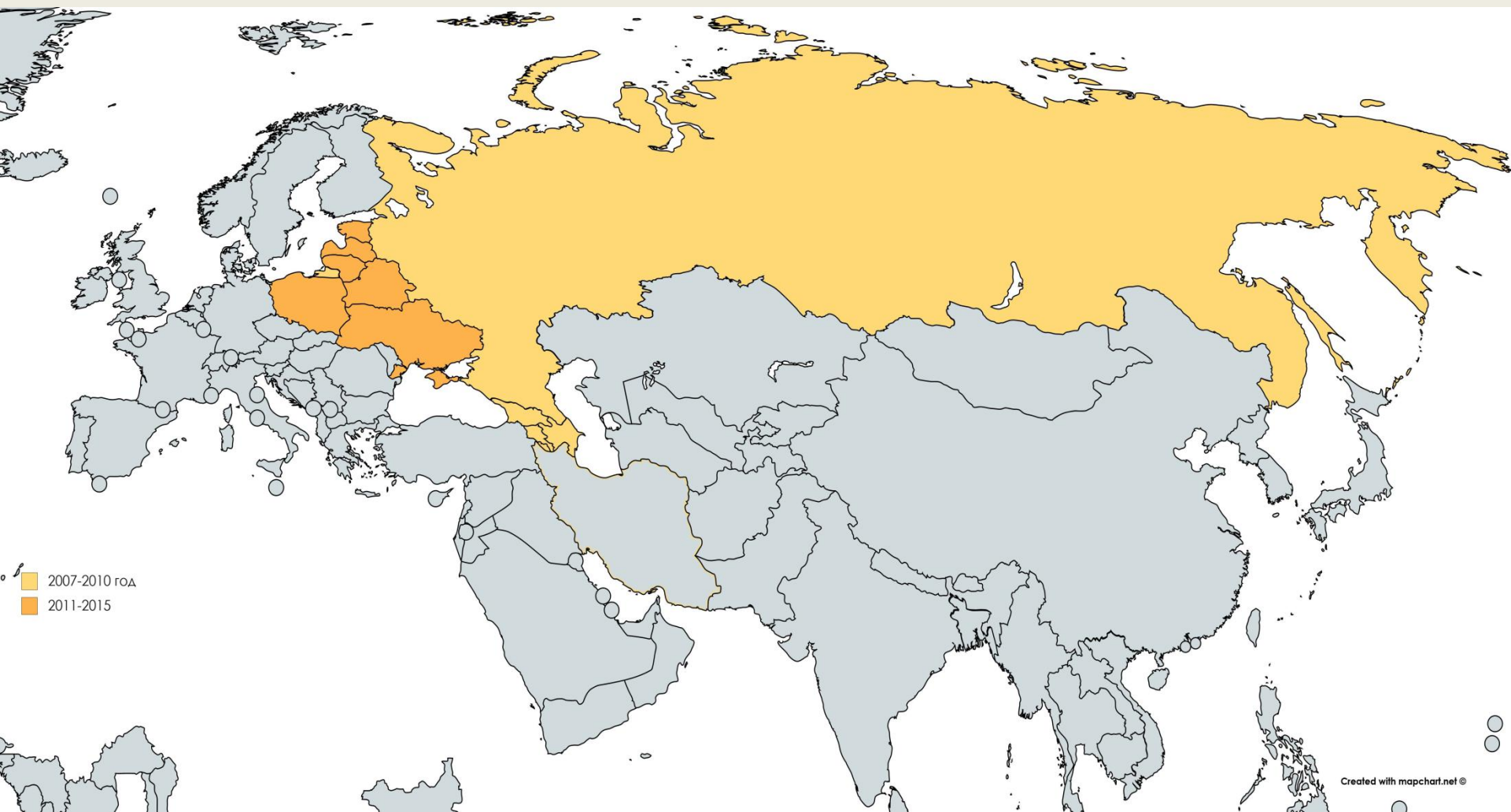
**A. Daushev, Advisor to the Head of FSVPS**

9 of April 2019, Beijing, PRC

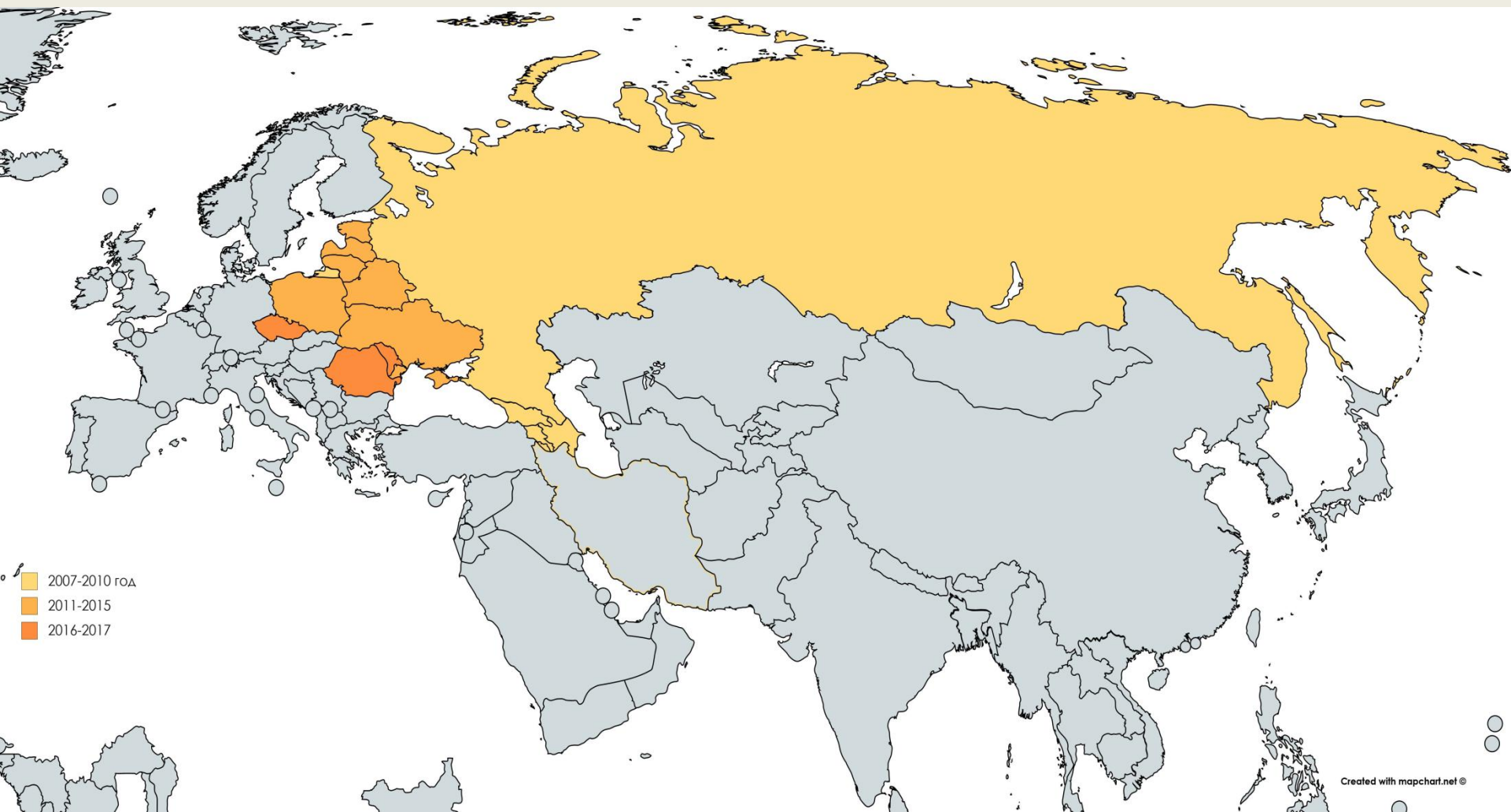
# 2007-2010



# 2011-2015

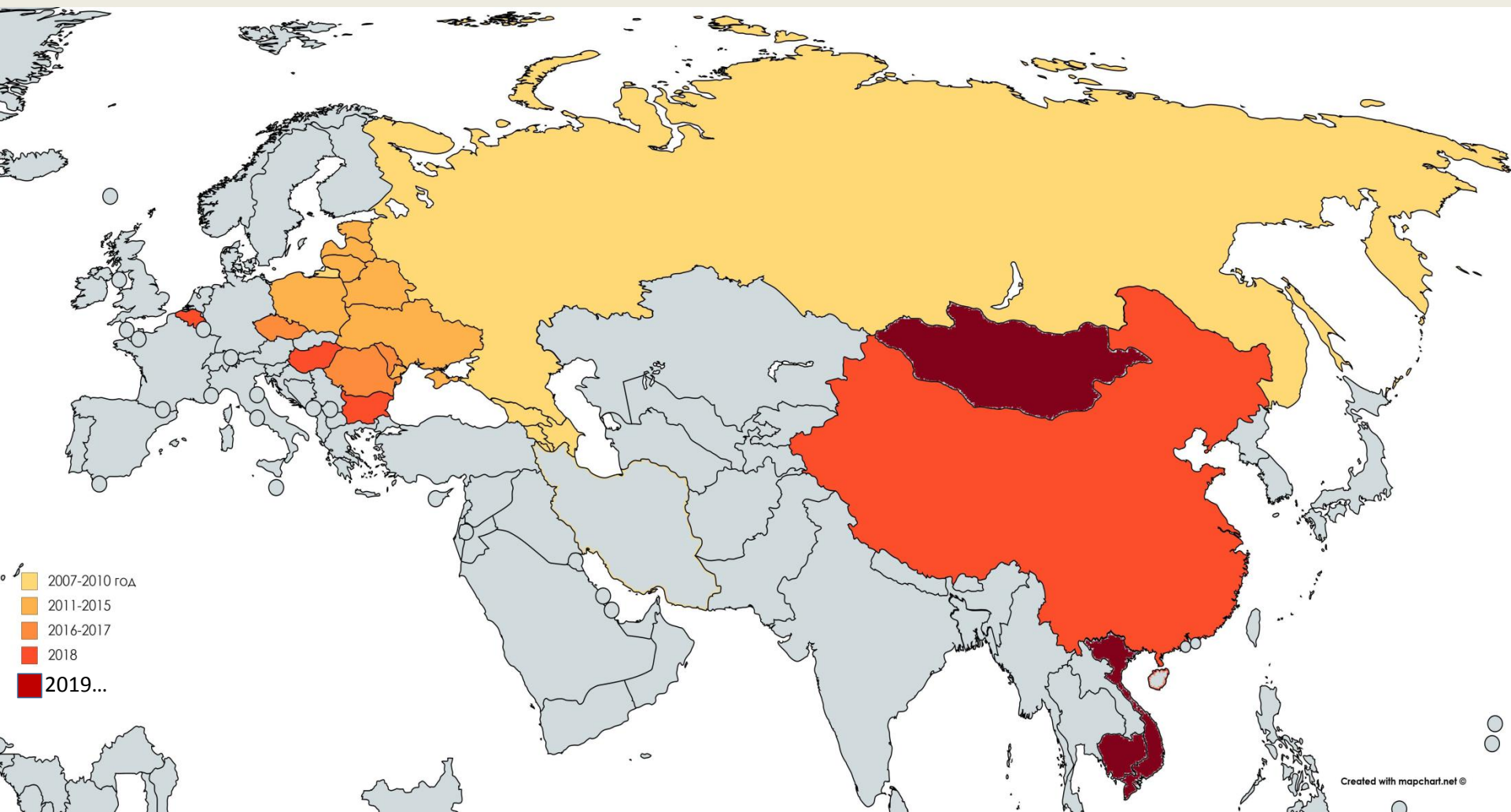


# 2016-2017

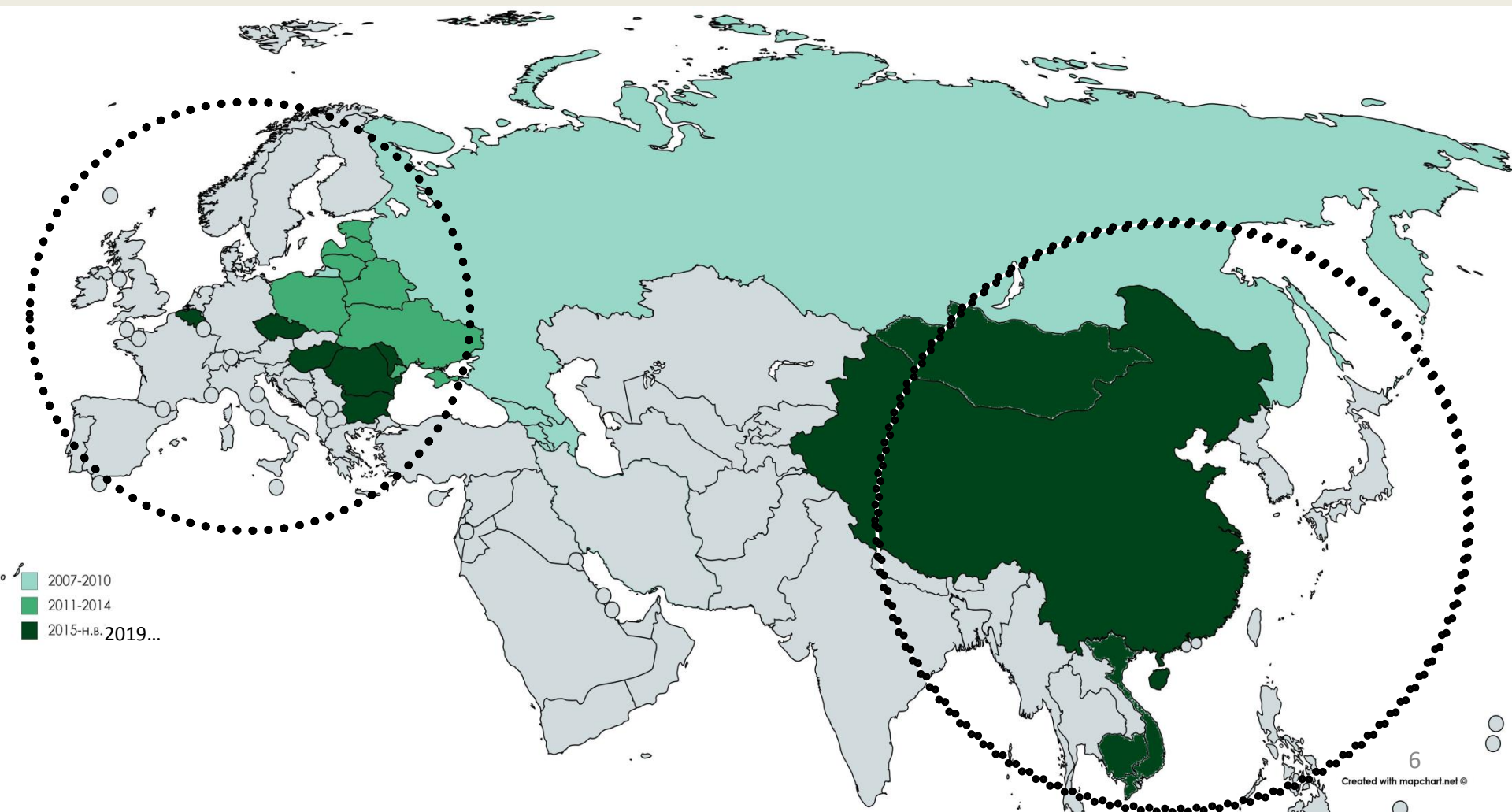




# 2018 -2019...



2019\*2022 гг.



# 2019...???



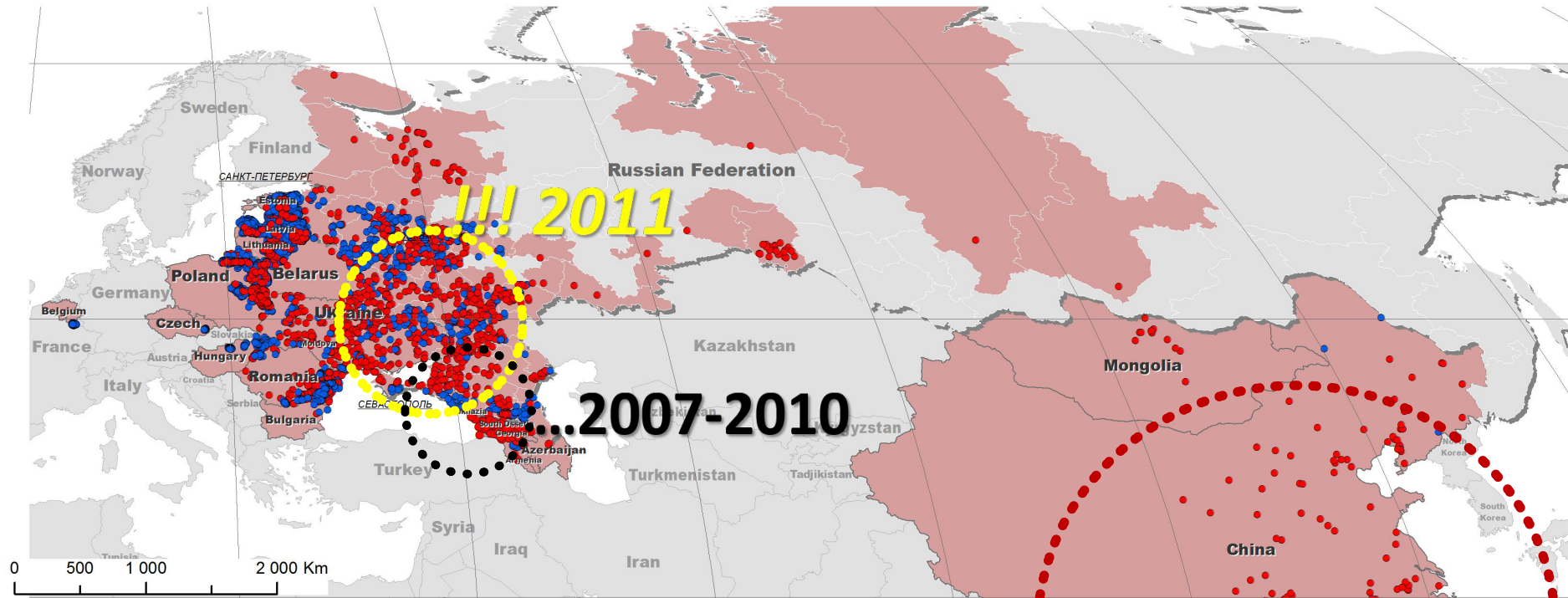


# ASF epizootic situation in European and Asian countries, 2007 - 2019



Карта составлена  
информационно-аналитическим центром  
Управления ветнадзора Россельхознадзора.  
Дата составления: 03.04.2019

OIE data as of 03 April, 2019



**Azerbaijan (2008)**

livestock - 2

wild - no

**Armenia (2007 - 2011)**

livestock - 25

wild - 3

**Belarus (2013)**

livestock - 2

wild - no

**Belgium (2018 - 2019)**

livestock - no

wild - 543

**Bulgaria (2018)**

livestock - 1

wild - 7

**Cambodia (2019)**

livestock - 1

wild - no

**Hungary (2018 - 2019)**

livestock - no

wild - 529

**Vietnam (2019)**

livestock - 211

wild - no

**Georgia (2007)**

livestock - 60

wild - no

**China (2018 - 2019)**

livestock - 115

wild - 3

**Latvia (2014 - 2019)**

livestock - 60

wild - 2884

**Lithuania (2014 - 2017)**

livestock - 67

wild - 755

**Moldova (2016 - 2019)**

livestock - 33

wild - 15

**Mongolia (2019)**

livestock - 11

wild - no

**Poland (2014 - 2019)**

livestock - 214

wild - 3816

**Russia (2007 - 2019)**

livestock - 834

wild - 558

**Romania (2017 - 2019)**

livestock - 1225

wild - 351

**Ukraine (2012 - 2019)**

livestock - 354

wild - 99

**Czech Rep. (2017 - 2018)**

livestock - no

wild - 221

**Estonia (2014 - 2016)**

livestock - 18

wild - 1034

**2018-2019!!!**

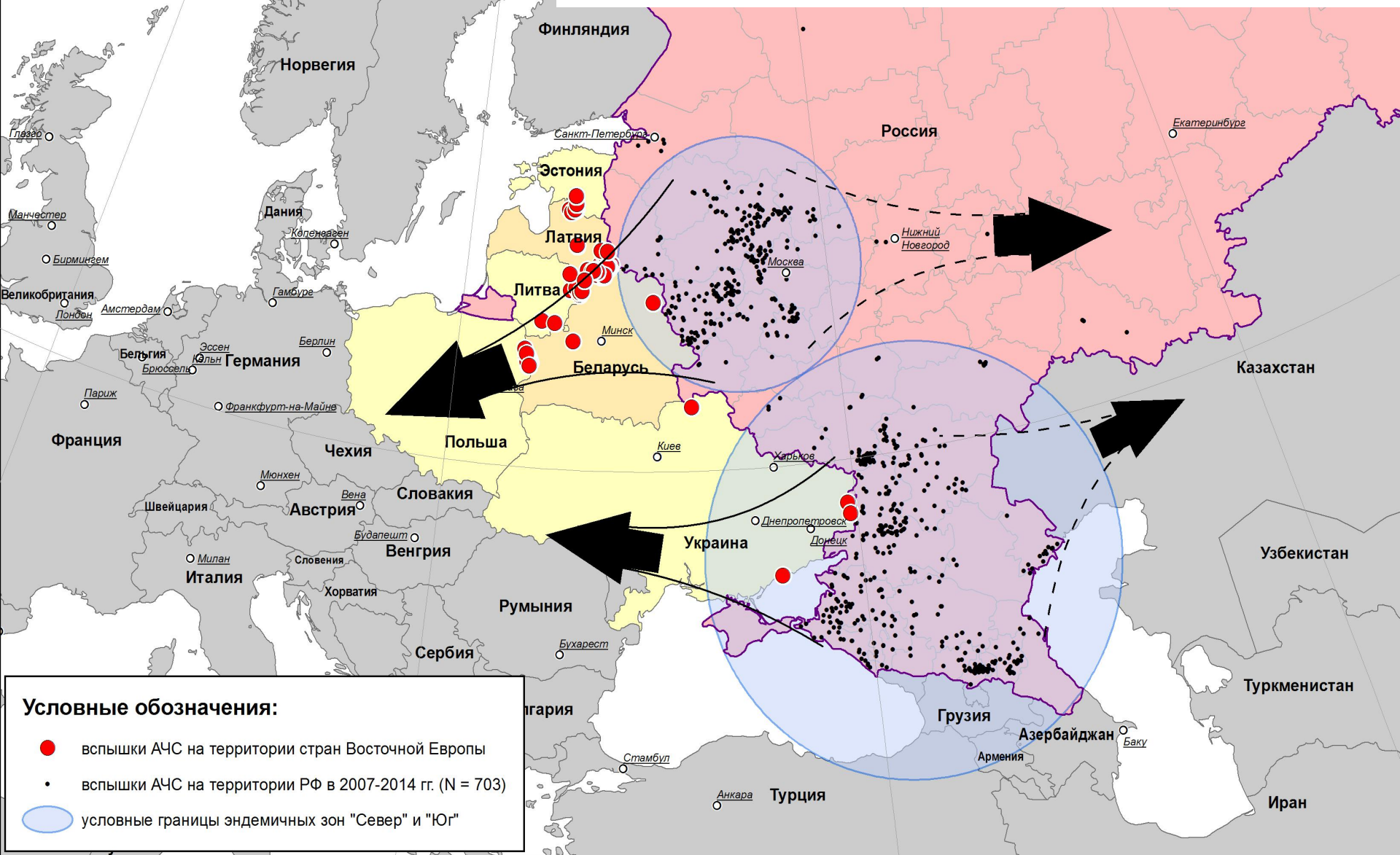
• ASF outbreaks in livestock pigs

• ASF outbreaks in wild boars



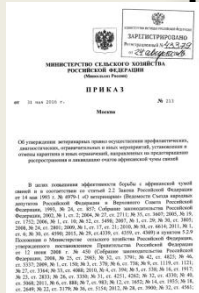


# Vector of risk of the ASF spread in the Eastern Europe (Forecast 2015)



# Guidance on ASF prevention and eradication

\*Updated in 2016

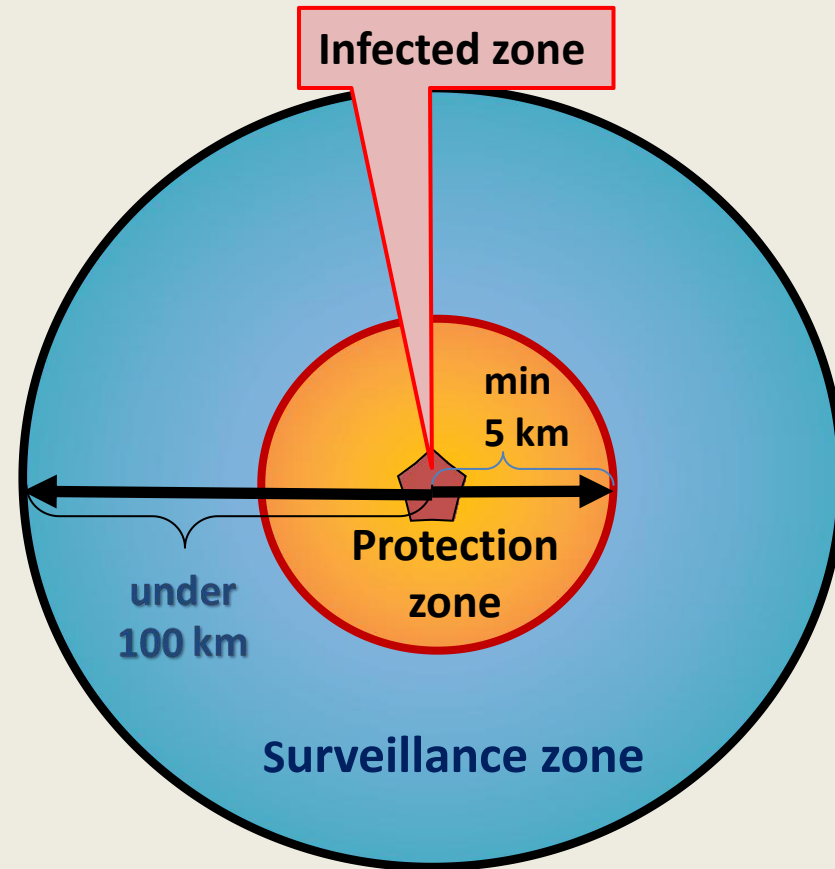


- Stamping-out
- Quarantine

- Zoning
- Monitoring

# ASF zoning in Russia

- **Protection zone** - **r** min. 5 km
  - **Surveillance zone** - **r** min. under 100 km
- Geographical delimitation of those protection and surveillance zones may be enlarged in accordance with the administrative borders and natural barriers, to imply efficient control measures that can stop spreading of animal disease virus.





**Outbreak** – pig farm, backyard, game farm, etc. **including all** infected animals

Quarantine to prohibit movement of pigs and products of their slaughter, feed, etc.

**Bloodless slaughter of all pigs.**

**Carcasses of killed and dead pigs, manure, feed residues, containers and low-value tools, abandoned buildings burned and buried.**

**Cleaning and disinfection (3 times). disinsection, tick-control and disinfection.**

Quarantine is lifted on an ASF-infected farm after the destruction of all animals, and of the final disinfection (pursuant to the decision of the head of the region).

**Containment zone - the area of min 5 km around the outbreak**

**Purchase of all pigs with subsequent sending them to a certain meat processing plant**

**Meat and other slaughter products from pigs are processed into boiled sausages or canned pork**

**Prohibition of the movements of pigs and their slaughter products. Posts, disinfection barriers on the roads**

**Surveillance zone - the area of 100 km around the outbreak**

The prohibition of trade in pigs and pig products on markets

Rapid verification of the number of pigs in a surveillance zone. Free ranging is prohibited. Immunization against CSF and swine erysipelas.

Shipment of samples from all dead animals for diagnostic purposes.

If you suspect an ASF outbreak, carry out activities in the outbreak without waiting for laboratory confirmation.

Ban on animal movements , organization of shows and fairs.





# **The experiences and practices regarding to the Prevention and Control of ASF**



**ENSURING ANIMAL HEALTH AND FOOD SECURITY  
OF THE RUSSIAN FEDERATION**



**ENSURING COMPLIANCE WITH THE LAW (LEGISLATION)  
WITHIN THE RUSSIAN FEDERATION**

# Strategy for ASF control and eradication program in the RF regions includes the following elements:

*early  
detection and  
laboratory  
confirmation  
of the  
disease*

*early  
identification  
of infected  
and  
potentially  
infected  
sites,  
including pig  
houses, cold  
stores*

*rapid  
destruction of  
carcasses  
and animal  
care items,  
disinfection*

*rapid  
imposition of  
effective  
quarantine in  
the infected  
and  
potentially  
infected  
areas*

*rapid  
communication  
about the  
disease and  
effective control  
to prevent the  
movement of  
pigs and pig  
products*

*depopulation  
and control of  
the number of  
wild boars*





# ASF epizootic situation in Russia (2007-2019)

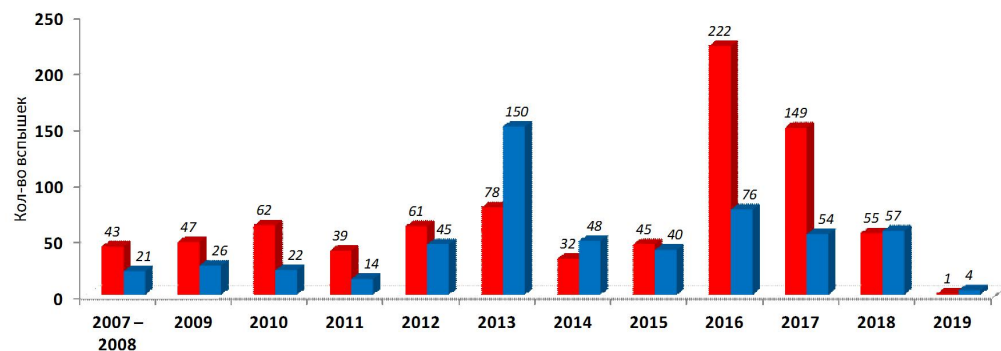


Карта составлена  
информационно-аналитическим центром  
Управления ветнадзора Россельхознадзора.  
Дата составления: 22.03.2019

\* По данным срочных сообщений ветслужб субъектов РФ  
(на основании Приказа МСХ РФ №189)



- ASF outbreaks in livestock pigs
- ASF outbreaks in wild boars





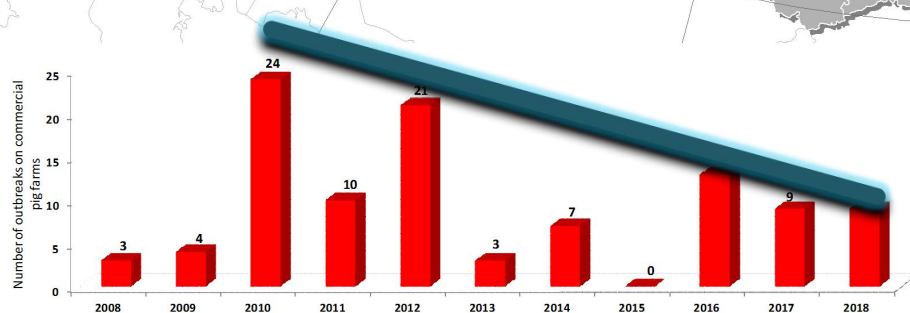
## ASF outbreak in Irkutsk Oblast of the Russian Federation, 2017



# ASF-infected commercial pig farms in the RF, 2007 - 2018



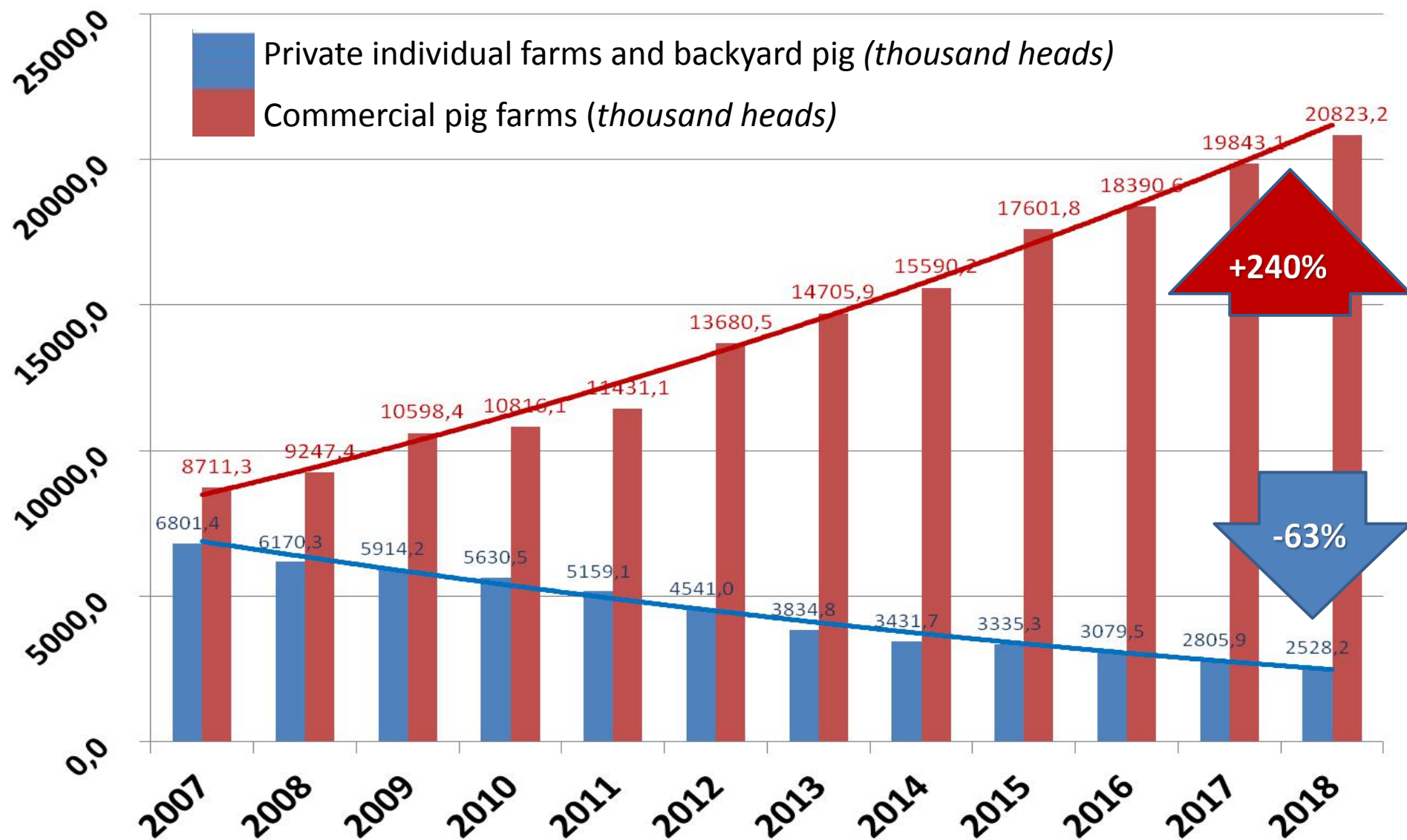
Карта составлена  
информационно-аналитическим центром  
Управления ветнадзора Россельхознадзора.  
Дата составления: 01.04.2019



## Legend:

- ★ ASF outbreaks on commercial pig farms, 2018
- ASF outbreaks on commercial pig farms, 2007 - 2017
- Regions where ASF outbreaks were detected on commercial pig farms in 2018

# Domestic pig population in Russia (2007-2018):



# Main initiatives of the RF on ASF:

## I. Enhancing legal, regulatory preparedness and coordination for ASF at national level

- **Command Center of the RF Government**  
*interdepartmental commission coordination.*
- *Federal plan for ASF control.*
- *Compartmentalization*
- *Regionalization*
- *Update the Guidance on ASF*

## II. Increasing the competency of VS officials, extending the capabilities of VSs and enhancement of the animal disease surveillance system

- **Monitoring and capacity assessment VS**
- **Strengthened of the ASF surveillance**
- **Electronic information system implementation**
- **Training** (*capacity building*)
- **Exercises/Drill** (*simulations*)
- **Scientific advice** (*ARRIAH; SSINRRIVV&M*)

## III. Awareness-raising (informing)

- **Improvement of the process of *national* and international notification**
- **Participation of the RF in the international expert initiatives**(*GF TADS*), *FAO;OIE*)
- **Maintenance of the official site and support for pig industry media**
- **Bilateral international cooperation**



## I. Enhancing coordination for ASF at national level

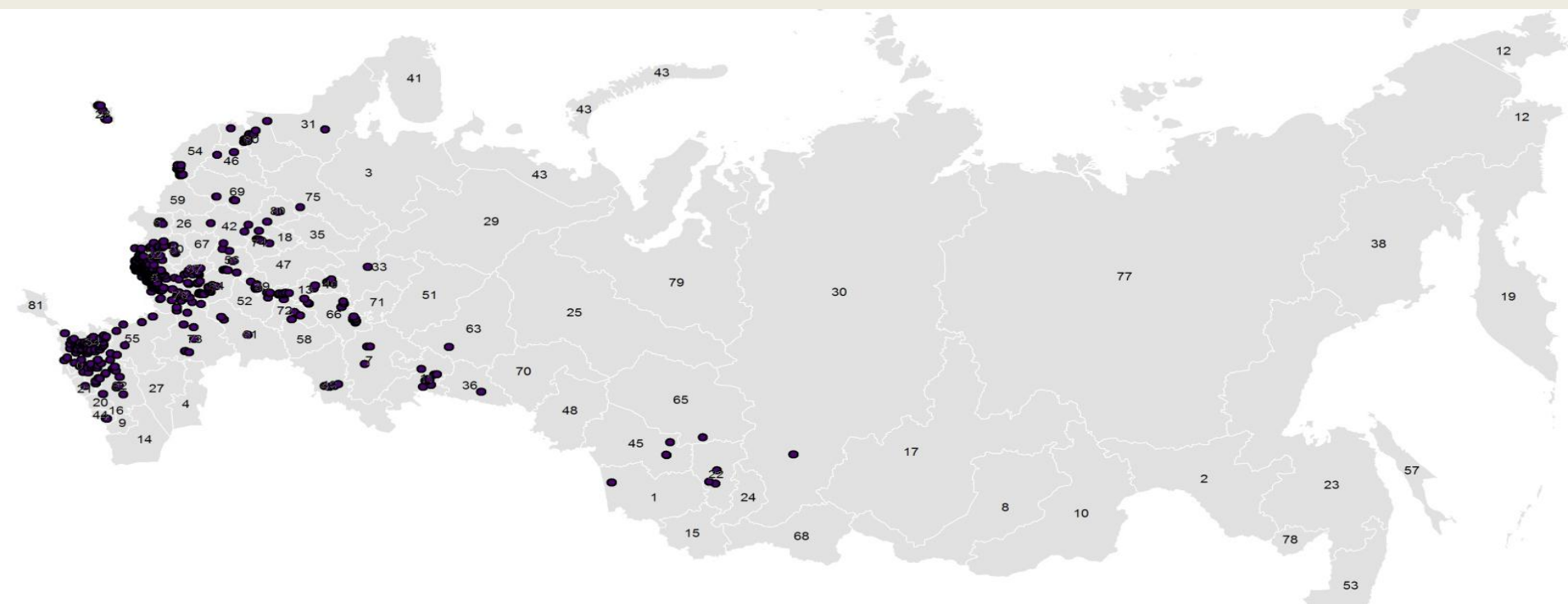


### Command Center of the RF Government (coordination on a federal level)



**Interdepartmental commission**

# I. Enhancing legal, regulatory preparedness for ASF at national level



Updating of the control and eradication ASF plan\*  
(annually)

**Compartmentalization\***  
*Order N 258 (2010)*



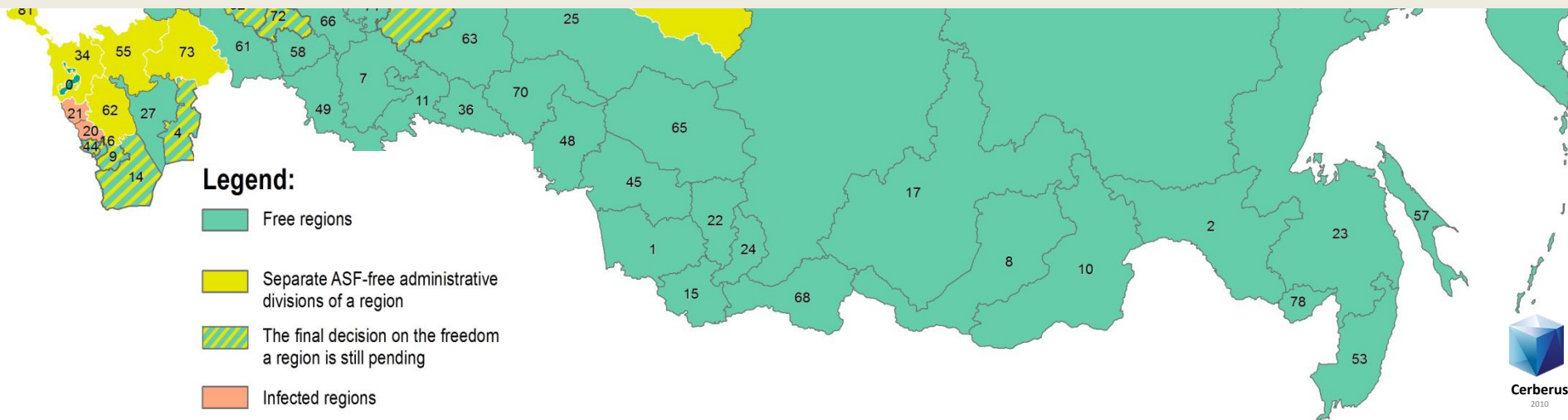
**\*Updating of ASF Guidance (2016)**

**\*Regionalization**  
Order 635 (2015)

## I. Enhancing legal, regulatory preparedness and coordination for ASF at national level

# Regionalization

- Delineated by administrative and natural barriers, exceeding epizootic zoning
- Low risk commodities may be traded under Additional specific health conditions (OIE)
- Enhanced surveillance inside and outside the infected region
- Urgent adoption of emergency measures
- Immediately applicable
- Decisions are published on the Official FSVPS site as necessary <http://www.fsvps.ru/fsvps/regional>
- The statuses of the regions are entered into the "Cerberus" information system <https://cerberus.vetr.ru/cerberus/regionalization/pub>



*Order No. 635 of the Ministry of Agriculture of Russia (Dec.2015) "On approval of the Veterinary Rules for the regionalization of the territory of the Russian Federation"*



## I. Enhancing legal, regulatory preparedness and coordination for ASF at national level

# Compartmentalization

- **Biosecurity** (*high level protection*)
- Regulation of trade and movements between farms (*live pigs, feed e.t.c*)
- Enhanced surveillance inside farms
- Animal free zone around farms



Commercial pig farms  
(the highest (4) level  
compartments)

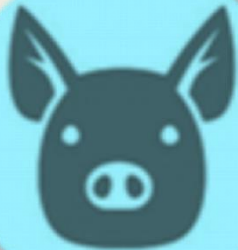
Order N 258 "On the approval of the rules for determining the zoosanitary status of pig farms, as well as organizations engaged in the slaughter of pigs, processing and storage of pig products» (Reg. Ministry of Justice Nov.12, 2010 N 18944)



## II. Surveillance Strengthening



**100%** **ALL RUSSIAN TERRITORIES  
ARE COVERED BY ASF MONITORING**



**100%** **STRENGTHENED  
ASF  
SURVEILLANCE**

Disease surveillance in commercial and backyard pig populations has been strengthened



**0,25** **DECLINE IN  
POPULATION**  
ANIMALS PER  
HECTARE

Disease surveillance has been strengthened and the population density has been reduced to 0.25 animals/hectare

## II. Raising the functionality of the veterinary service



**VETIS** system



Movement control of veterinary and sanitary unsafe regulated goods and prevention of their further distribution in the Russian Federation are among the basic goals of the Federal Service for Veterinary and Phytosanitary Surveillance.

**Information system VETIS** was developed and implemented for the purpose of external and internal control of goods being manufactured in the Russian Federation or imported hereto as well as for the control of document management for such goods and rapid Rosselkhoznadzor's decision-making in their respect. **Vetis** allows tracing, analyzing and controlling of the above mentioned chain.

**Vetis** consists over **13 integrated information systems** including:

- **Argus** – control of regulated product movements across the border of the Russian Federation and Customs Union.
- **Vesta** – automated system for laboratory network activities.
- **Mercury** – system for electronic veterinary certification.

One of the basic goals is traceability of the product movements.



## II. Raising the competency of VS officials



**100%**

**VS OF ALL RUSSIAN  
SUBJECTS HAVE BEEN  
TRAINED THROUGH  
ONGOING ASF  
WORKSHOPS**

Agencies for VS in all Russian regions have specialists who have improved their qualification.



**100%**

**VS OF ALL RUSSIAN  
SUBJECTS HAVE  
CONDUCTED  
EXERCISES ON ASF**

Field simulation exercises with focus on ASF have been conducted in all regions of the RF where swine are kept.



**24/7**

**ONLINE AND ON-  
SITE  
CONSULTATIONS**

Scientific advising is provided to the specialists of VS on outbreak investigation, laboratory diagnostics and data analysis on an ongoing basis.

## II. Raising the competency of VS officials

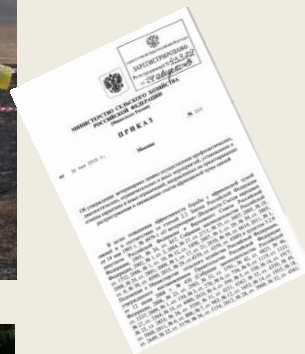


- \*Regular ARRIAH workshops on ASF and other viral diseases of swine.
- \*Trainings on ASF and CSF prevention and control and diagnostic





## II. Raising the competency of VS officials



Field simulation exercise



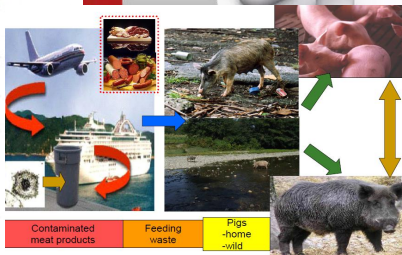
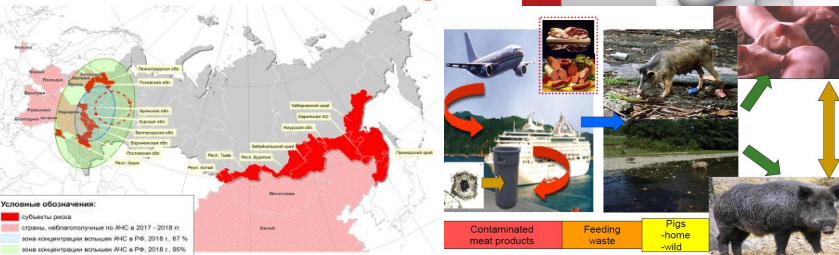
### III. Awareness-raising (informing)

<http://web.oie.int/RR-Europe/eng>

[www.fsvps.ru/fsvps/asf](http://www.fsvps.ru/fsvps/asf)



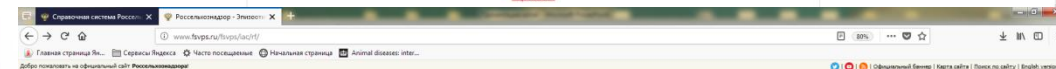
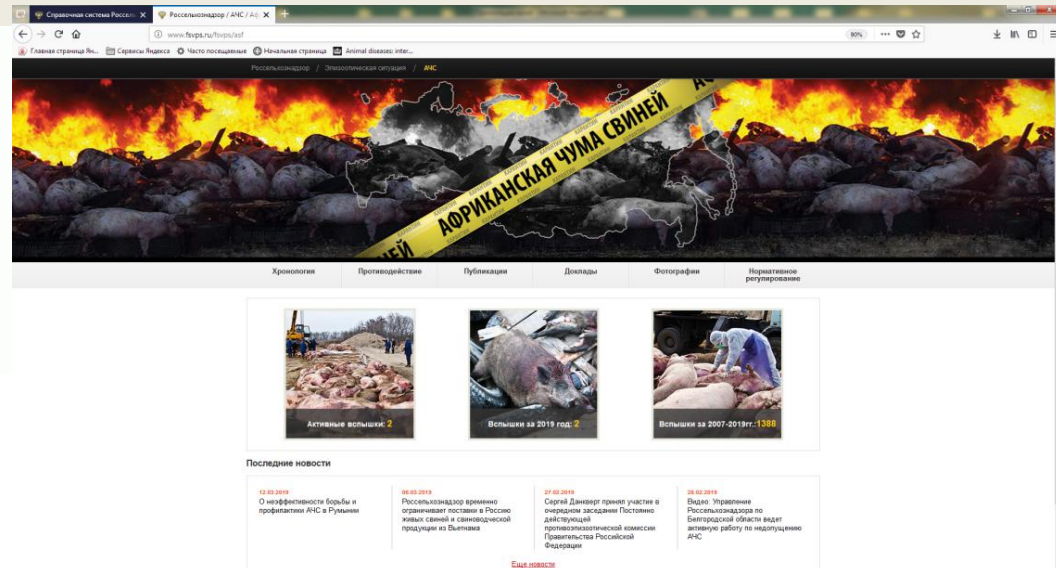
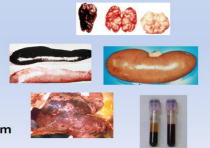
Риск возникновения новых очагов АЧС в 2019 г.



#### DIAGNOSIS OF AFRICAN SWINE FEVER

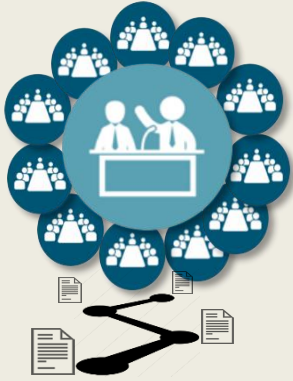
##### Samples to be sent to the laboratory

- Lymph nodes
- Spleen
- Kidney
- Lung
- Blood and serum



<http://www.fsvps.ru/fsvps/iac>

## MAIN RECOMMENDATIONS:



**I. Enhancing legal, regulatory preparedness and coordination for ASF at national level**



**II. Increasing the competency of VS officials and extending the capabilities of veterinary services**



**III. Awareness-raising**

# Thank you for your attention!

## 谢谢你的关注

Ministry of Agriculture of the Russian Federation:

<http://mcx.ru/en/>

Federal Service for Veterinary and Phytosanitary Surveillance:

[http://www.fsvps.ru/fsvps/main.html?\\_language=en](http://www.fsvps.ru/fsvps/main.html?_language=en)