

AFRICAN SWINE FEVER

SLOVAK EXPERIENCE



INFORMAL CVO MEETING, PRAGUE, SEPTEMBER 2022

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CHIEF VETERINARY OFFICER SK

CONTENT

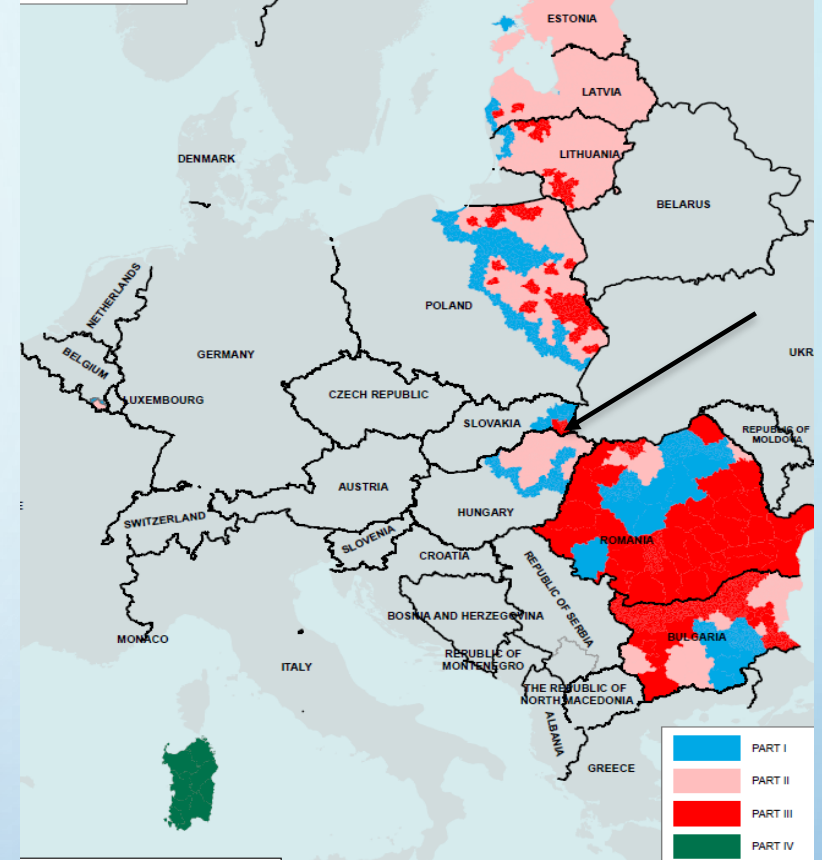
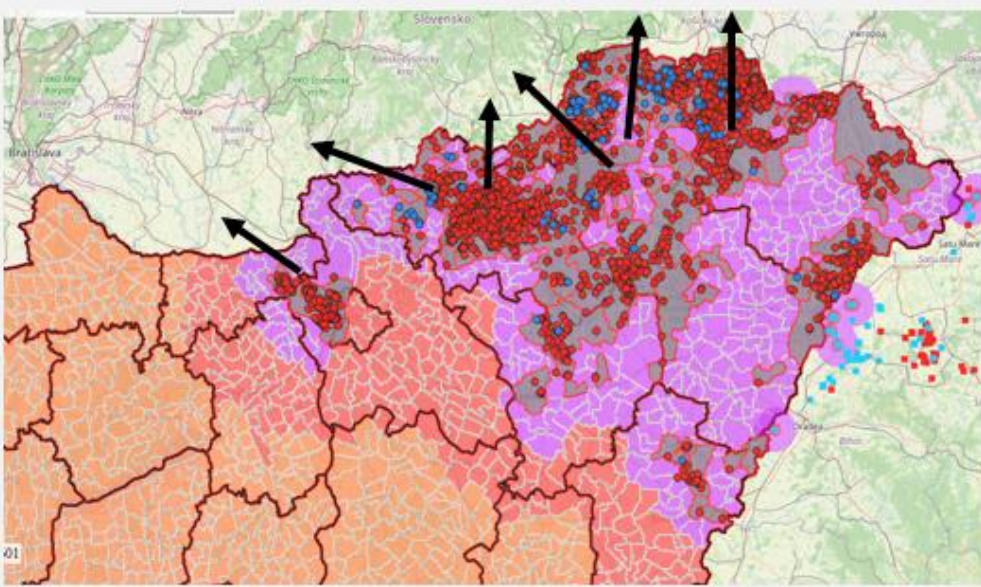
- HISTORY OF ASF IN SLOVAKIA
- **RISK FACTORS FOR SPREADING OF DISEASE**
- POSITIVE PART OF THE STORY
- **WORK OF NATIONAL EXPERT GROUP**
- HUNTING MANAGEMENT ASF
- **FARMERS SUPPORT**
- NATIONAL PROGRAMME ASF AND CHALLENGES FOR THE NEAR FUTURE (FURTHER NEXT STEPS)





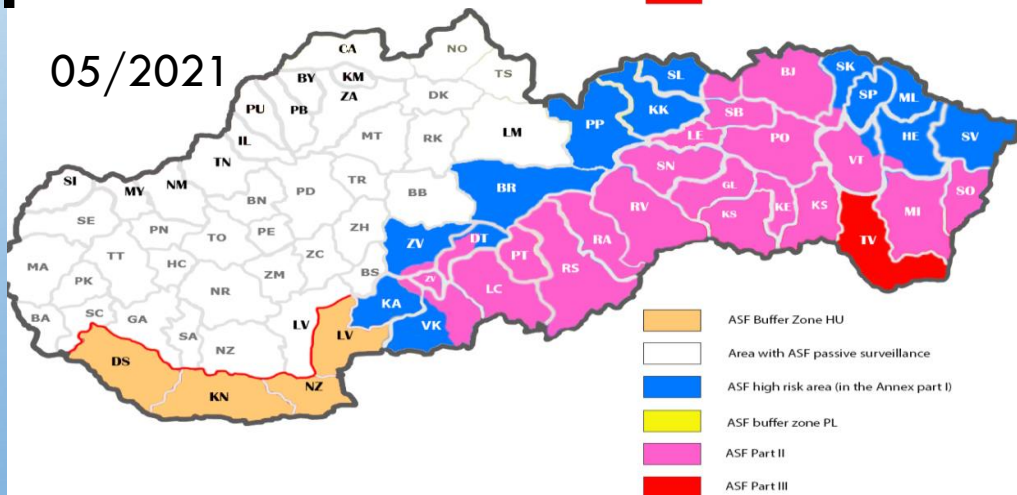
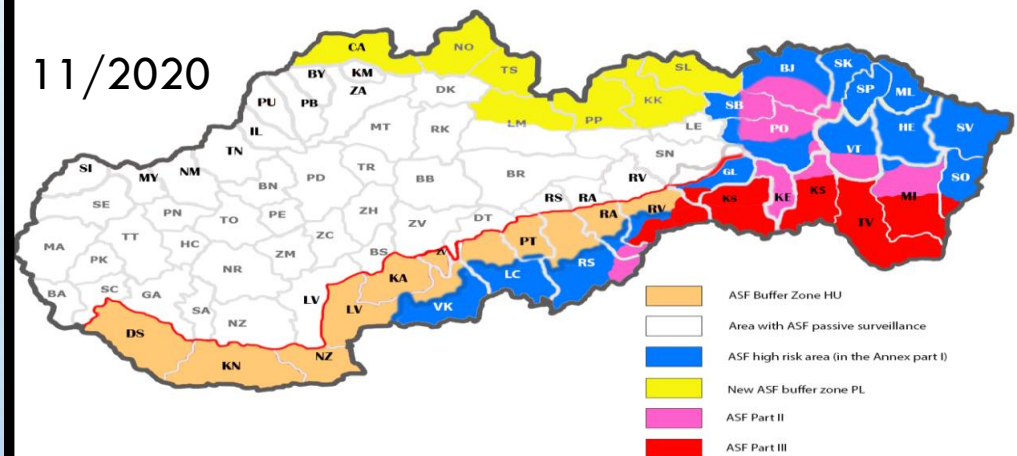
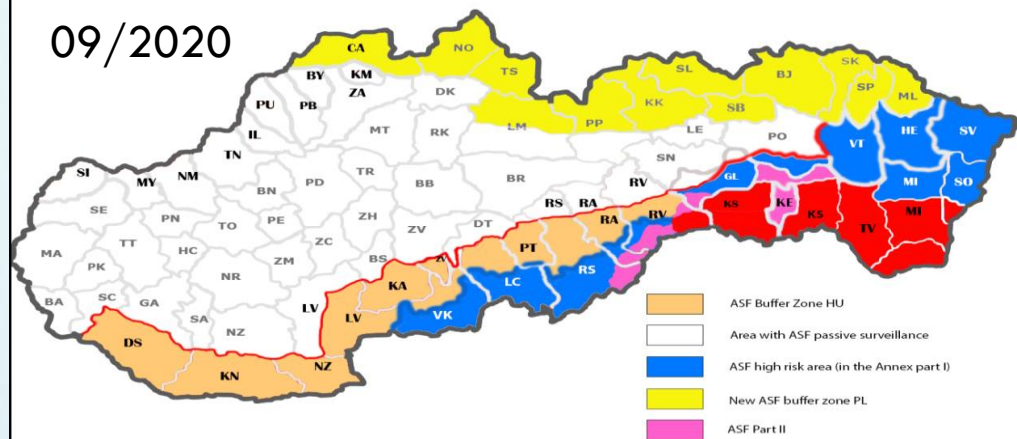
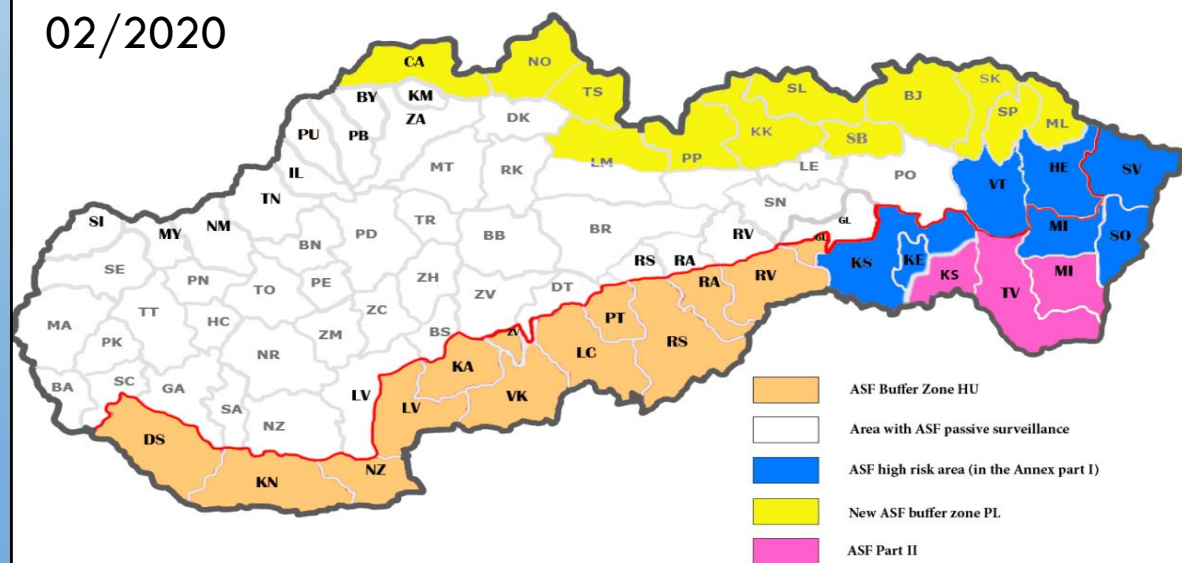
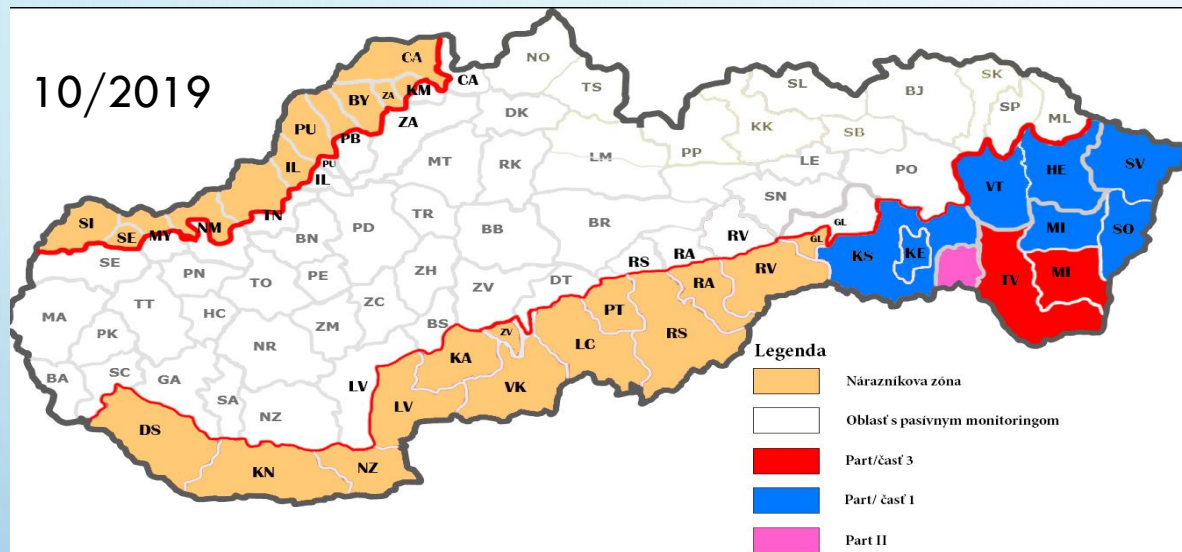
- SLOVAKIA HAS A POPULATION OF OVER **FIVE AND A HALF MILLION** INHABITANTS AND AN AREA OF ABOUT **49,000 SQUARE KILOMETERS** (19,000 SQ MI).

HISTORY OF ASF

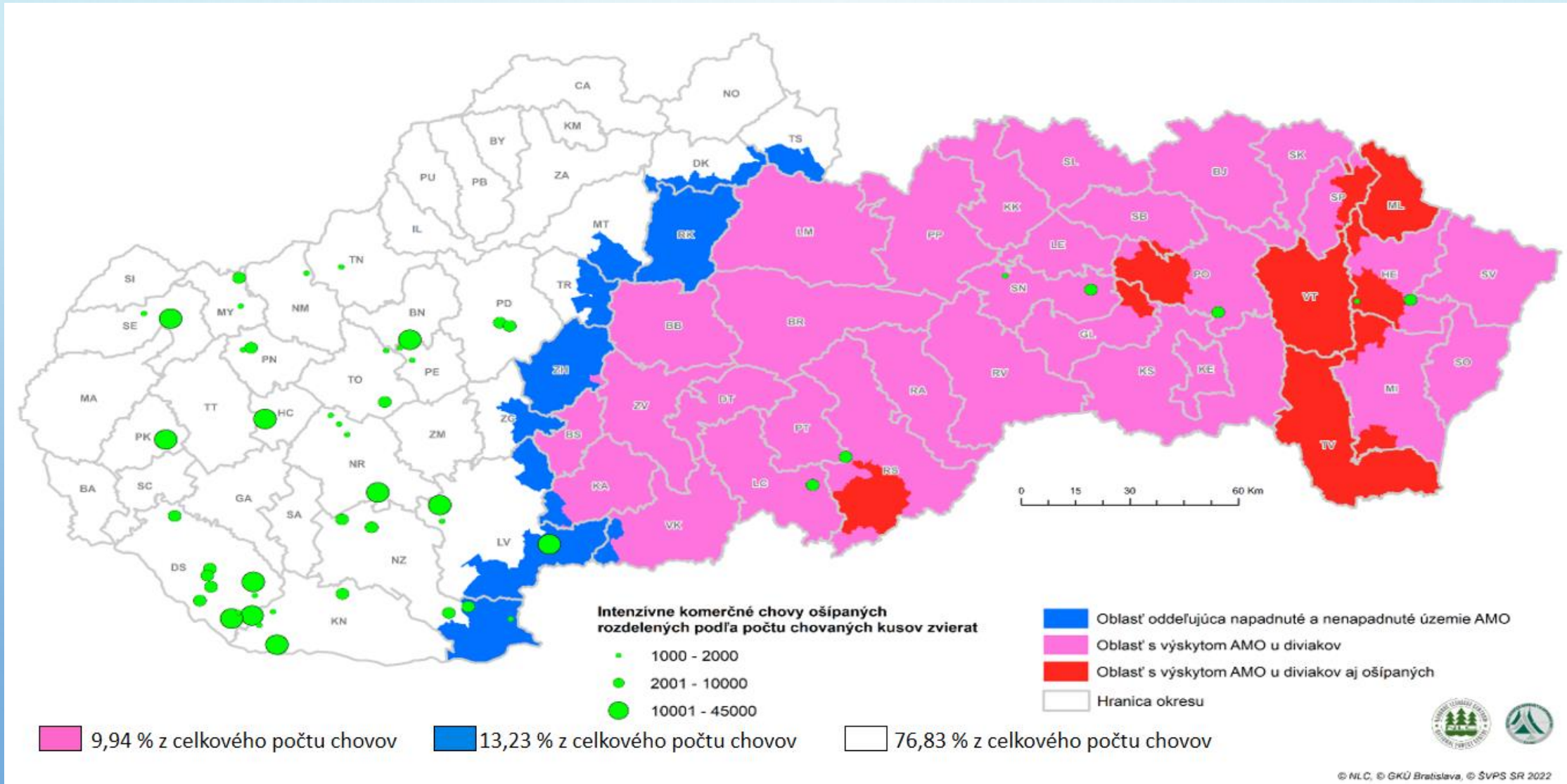


- **NATURAL SPREAD VIA BORDER SK/HU – FIRST CONFIRMATION - SUMMER 2019**
- **COMMON BORDER WITH HU- AREA PREVIOUSLY AFFECTED FOR LONGER PERIOD OF TIME**
- **FURTHER SPREAD IN THE PERIOD 2019-2022 – NORTH - WEST DIRECTION**
- **ASF PRESENCE IN BOTH WILD BOAR AND DOMESTIC PIGS**

ASF SPREAD - SK - 2019-2021

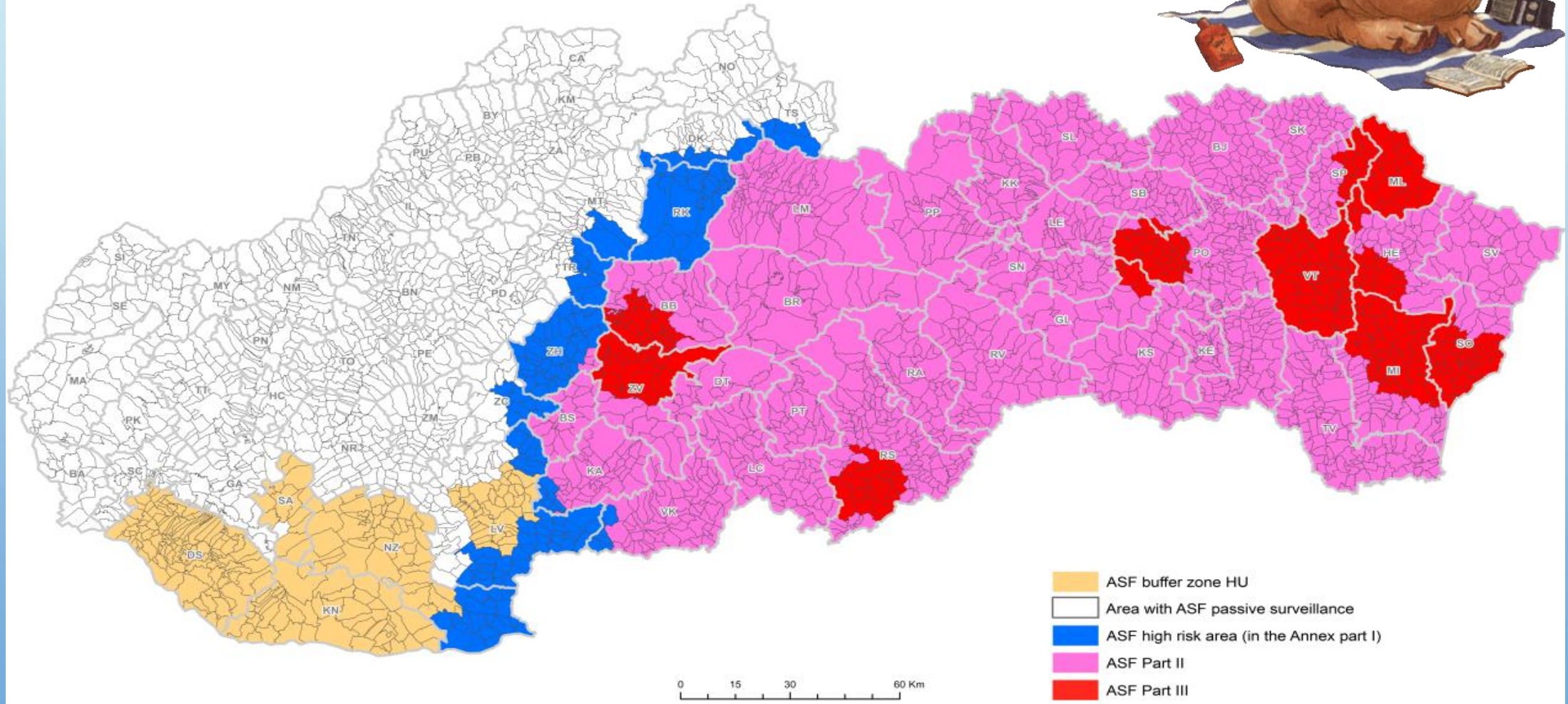


SK – ZONING- STATUS JULY 2022 + DISTRIBUTION OF BIG PIG HOLDINGS

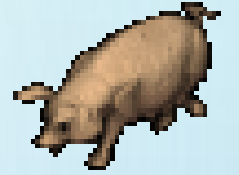


ASF SITUATION – - ZONING - SEPTEMBER 2022

Africký mor ošípaných (AMO) podľa katastrálnych území -
Nárazníková zóna AMO / infikovaná zóna



WILD BOAR SITUATION – SEPTEMBER 2022



- *ALL POSITIVE RESULTS FROM PREVIOUSLY DETERMINED PART II AREAS*
- *SYSTEM OF ACTIVE/PASSIVE SURVEILLANCE – IN PLACE*
- *THE DISTRICT VETERINARY AND FOOD ADMINISTRATION ARE CONTINUING IN PERFORMING OF CHECK OF HUNTING GROUNDS*
- *FROM SEPTEMBER 2022– HIGHER PAYMENTS FROM THE MINISTRY WITH THE GOAL TO ACHIEVE MORE RASANT DECREASE OF WB POPULATION IN NON-AFFECTED AREAS (100 EUR/PER HUNTED WB) - IN PIPELINE (SEE LAST SLIDE – FURTHER PROPOSED STEPS)*

ASF SK HISTORY- POSITIVE ASPECTS – EVALUATION I.



- *USE OF EXPERIENCE FROM NEIGHBORING COUNTRIES (BALTIC COUNTRIES, PL, RO, BG, HU, CZ, BE...)*
- *TIMELY INTRODUCTION OF ASF VIRUS MONITORING IN WILD BOARS AND DOMESTIC PIGS*
- *PREPAREDNESS OF THE REFERENCE „WORKPLACE“ – LABORATORY FOR THE DIAGNOSIS OF ASF – SVI ZVOLEN*
- *USE OF EC CO-FINANCING PROCEDURES (GRANDS) BY PERFORMING FOR THE ACTIONS WITH ASF CONNECTED*
- *THE IMPLEMENTATION OF THE PROGRAMME OF BIOLOGICAL SECURITY (MEASURES) OF DOMESTIC PIG FARMS AGAINST THE INTRODUCTION OF THE ASF VIRUS INTO FARMS*

ASF SK HISTORY- POSITIVE ASPECTS EVALUATION II.



- **INTERSECTORAL APPROACH IN ORDER TO SOLVE ASF IN SLOVAKIA (VETERINARIANS, BREEDERS, HUNTERS, PORK PROCESSORS, SLAUGHTERHOUSES, MINISTRIES, ETC.)**
- **EDUCATION AND PUBLIC AWARENESS (CONFERENCES, SEMINARS, TRAININGS, MEDIA, LEAFLETS...)**
- **NATIONAL AND EUROPEAN FINANCIAL RESOURCES**
- **IMPACT OF EC AUDITS ON ASF MANAGEMENT IN SLOVAKIA (PROCEDURES, PROPER IMPLEMENTATION, SPACE FOR CHANGING AND IMPROVING THE SYSTEM AS SUCH)**
- **INTENSIVE AND OPEN COMMUNICATION WITH EC AND SURROUNDING MS**

ASF SK – HISTORY – NEGATIVE ASPECTS EVALUATION



- **GEOGRAPHICAL LOCATION OF SLOVAKIA (HU, PL, UA)**
- **HIGH WILD BOAR POPULATION CONTRIBUTING TO THE SPREAD OF ASF**
- **INSUFFICIENT PROTECTION OF DOMESTIC PIG FARMS AGAINST THE INTRODUCTION OF ASF VIRUS - SMALL BREEDERS!**
- **ILLEGAL PURCHASE OF WEANLINGS AND PORK FROM RISK AREAS OF ASF IN PL, HU...**
- **THE COOPERATION BETWEEN PIG BREEDERS, PORK PROCESSORS AND TRADER - THE LEVEL DOES NOT REACH THE EXPECTATIONS**
- **SECURING OF FUNDS (FINANCES) FOR ASF INSPECTIONS AND MANAGEMENT**

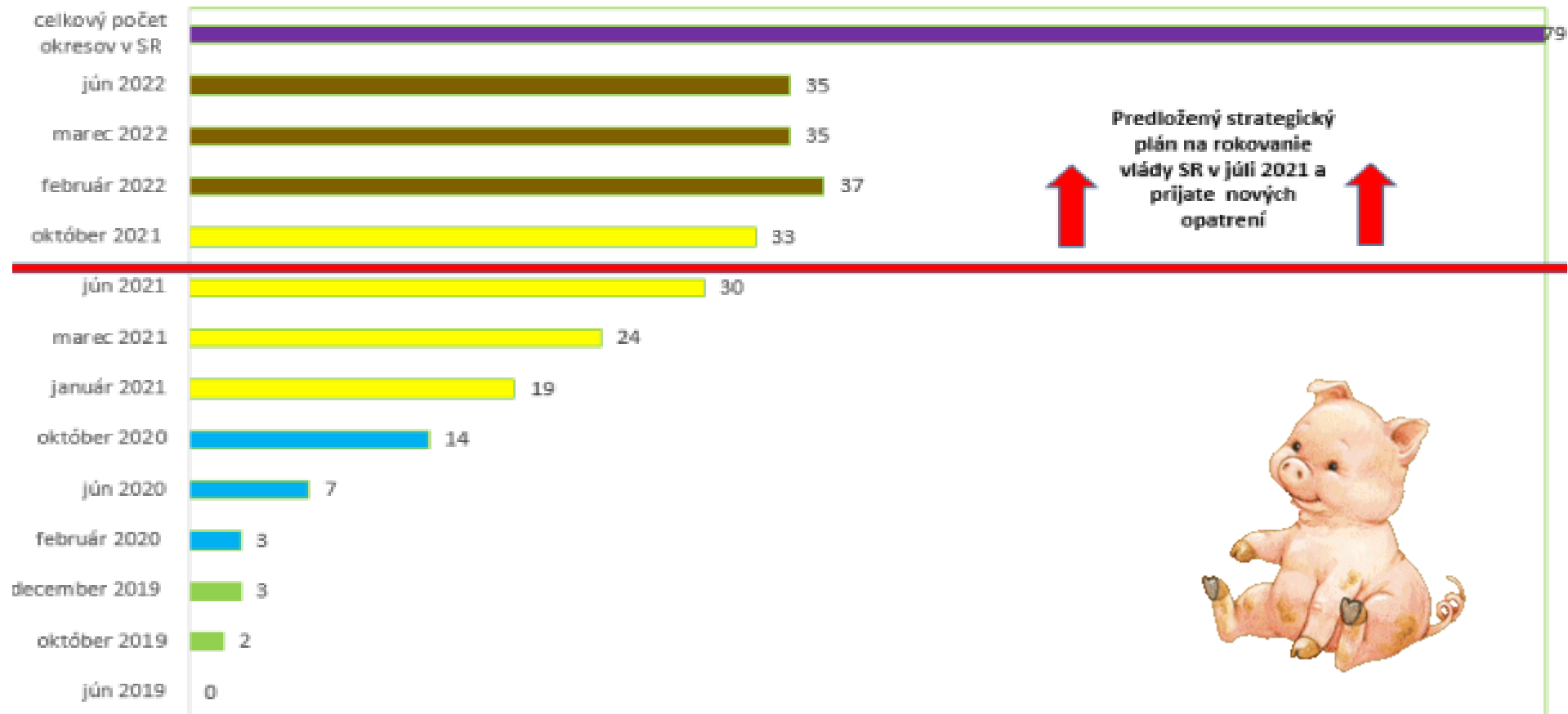
THE WORK OF EXPERT GROUP – ASF

- RICH REPRESENTATION OF EXPERTS – VETS, HUNTERS, PIG HOLDERS, BREEDERS, PIG MEAST PROCESSING SECTOR, REPRESENTATIVES OF RENDERING PLANT , REPRESEANTITIVES OF SCIENCE, RESEARCH AND PUBLIC ADMINISTRATION
- **SEVERAL MEETINGS ORGANISED DURING 2022**
- MAINLY IN FREE AREAS OR AREAS AT RISK
- **OBJECTIVE: PROACTIVE APPROACH AS REGARDS ASF MANAGEMENT, PROPER APPLICATION OF MEASURES ORDERED BY VETERINARY AUTHORITY**
- **EXPERIENCE: SUBSEQUENT GREATER MOTIVATION, ENGAGEMENT AND ACTIVITY OF THOSE INVOLVED IN THE PROCESS OF FIGHTING ASF AND IMPLEMENTING THE ORDERED MEASURES**



ASF – WB INFECTED DISTRICTS – 2019-2022

Nárast počtu okresov SR s výskytom AMO
(2019 - 2022)



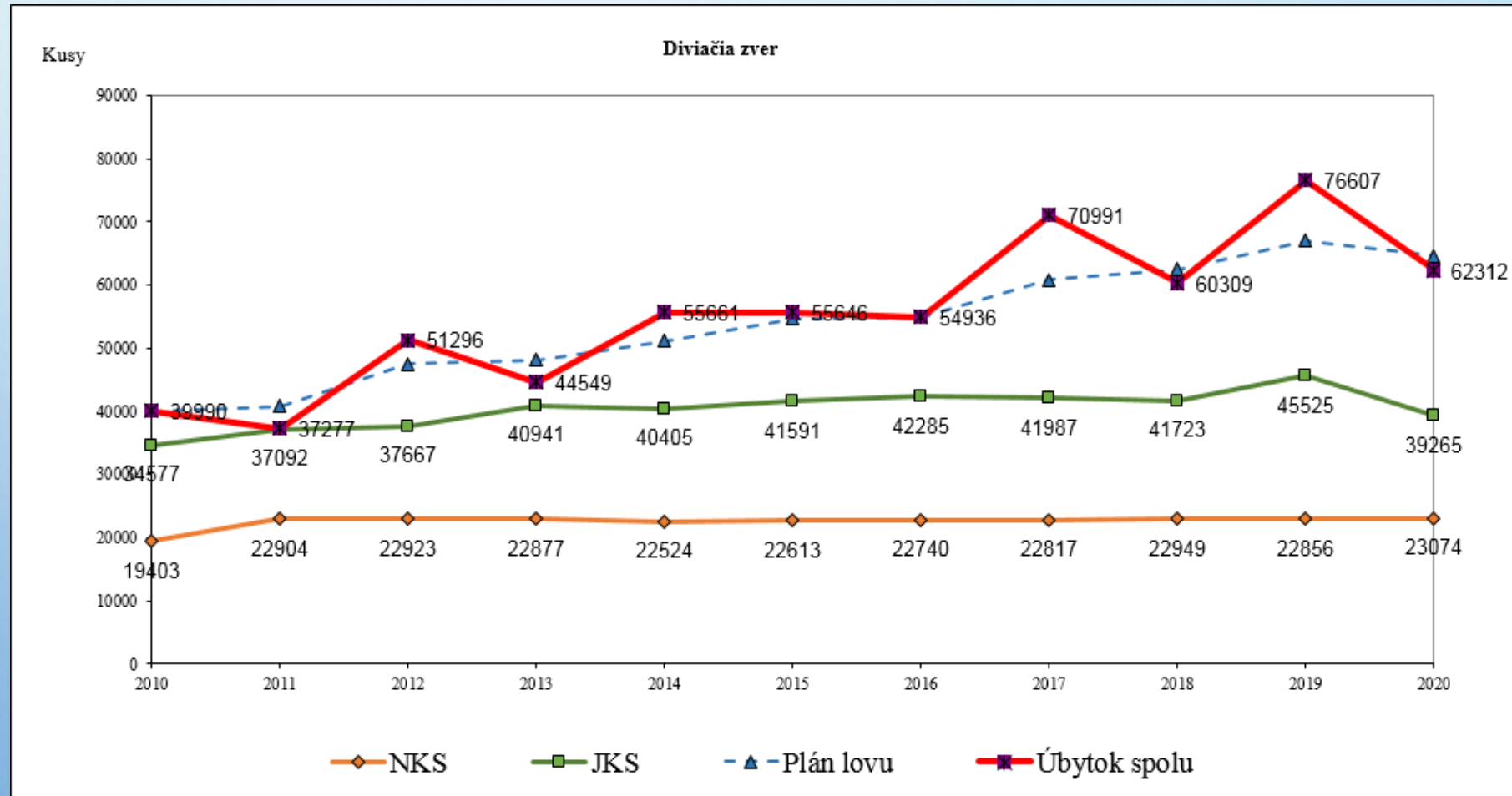
Počet okresov SR s výskytom AMO (kumulatívne)



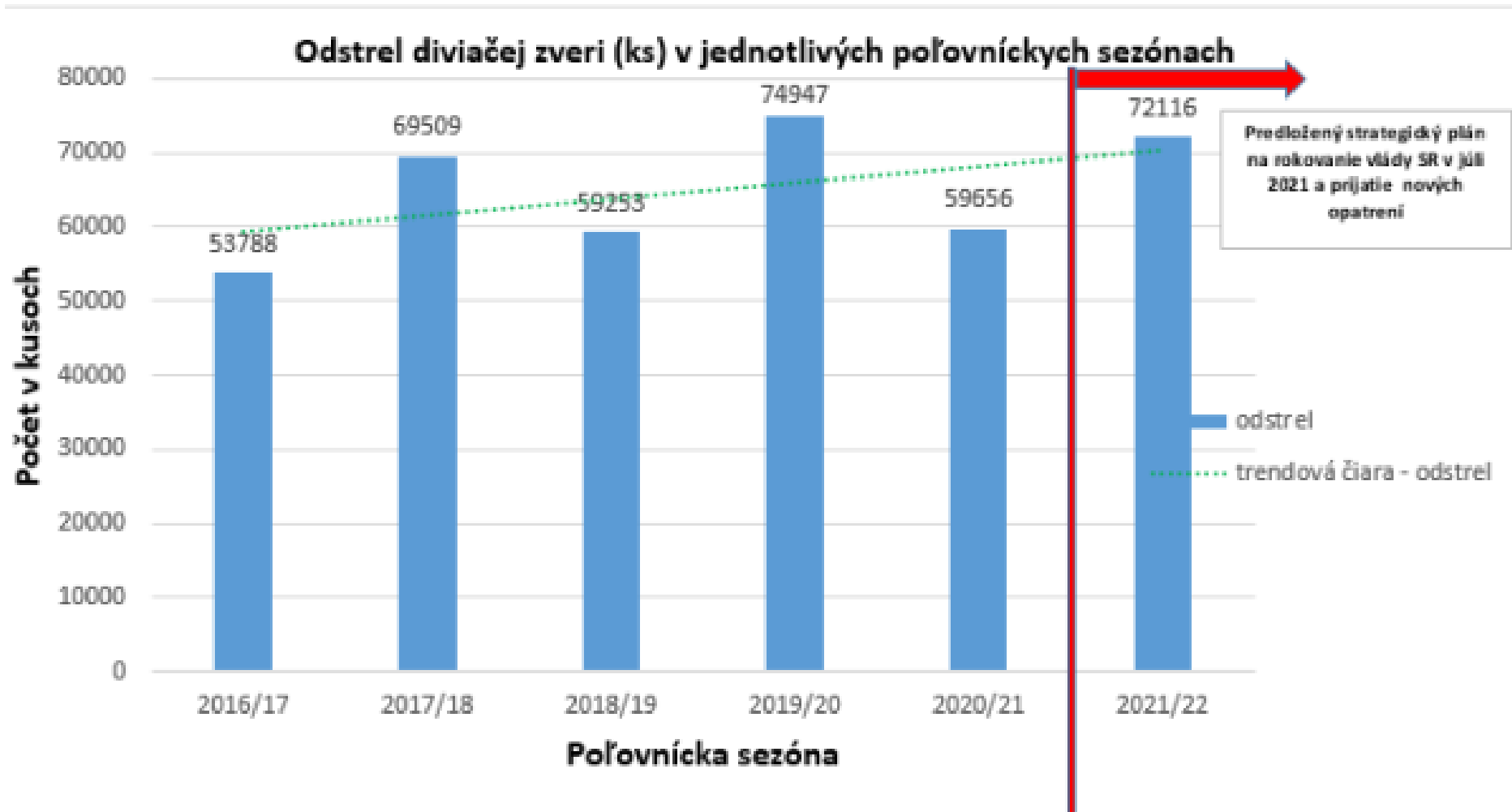
WB development in the period 2010 - 2020

Problems determined / arise due to:

- Excessive infestation, weak impact on the required part of the population
- Local evidence of high density WB
- Significantly harder conditions for hunting in agricultural land
- High reproductive ability of wild boar



HUNTING OF WB



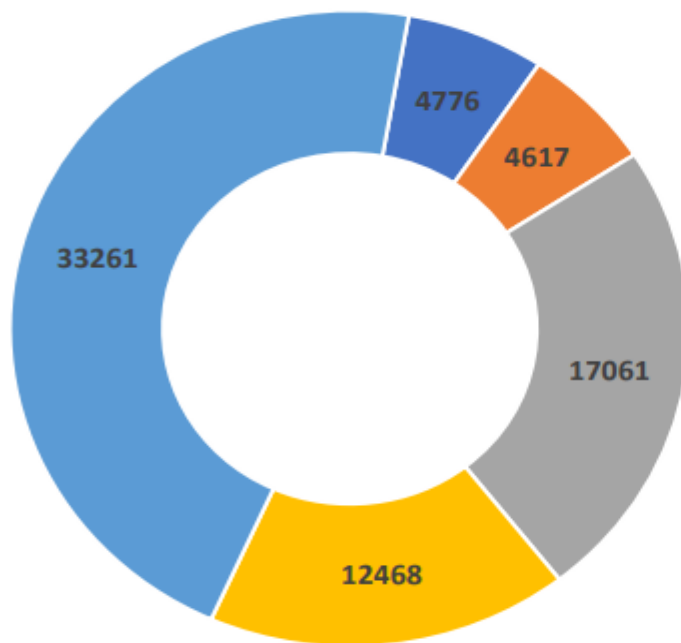
HUNTING 2021 /2022

STRUCTURE OF HUNTED WB

(DOSPELÁ DIVIAČICA- ADULT FEMALE; DOSPLENÝ DIVAK- ADULT MALE;
LANŠTIAK SAMEC- LAST YEAR MALE; LANŠTIAK SAMICA – LÔAST YEAR FEMALE; DIVIAČIA- PIGLING)

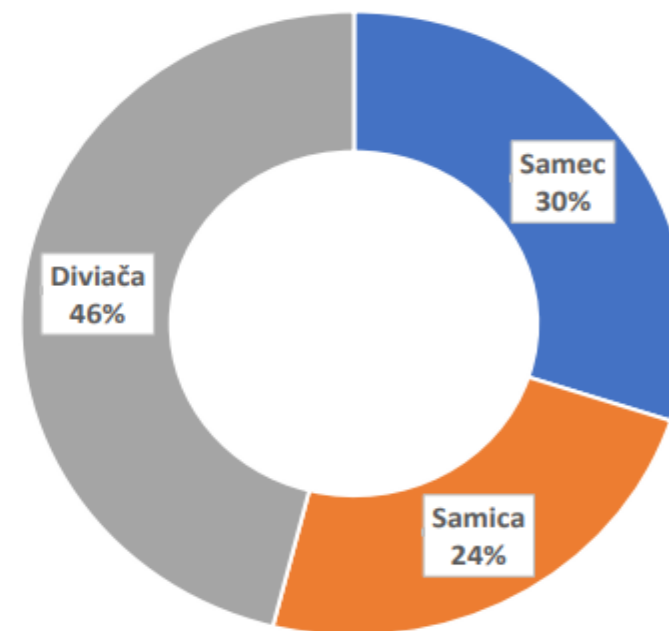
DECREASING OF WB – FOLLOWING THE GENDER (SAMEC- MALE, SAMICA-FEMALE, DIVIAČA – PIGLING)

Štruktúra ulovenej zveri



■ Dospelá diviačica ■ Dospelý diviak ■ Lanštiak samec ■ Lanštiak samica ■ Diviača

Úbytok podľa pohlavia



■ Samec ■ Samica ■ Diviača



HUNTERS SUPPORT I.



- FINANCIAL CONTRIBUTIONS FOR HUNTING ACTIVITIES /SAMPLING OF DEAD WB ACTIVITES- QUESTION: IS IT ENOUGH IN ORDER TO ENCOURAGE THE HUNTERS FOR ACTION?

oblasť	nálezne odstrán/núhyn	vzorka úhyn	vzorka lov	maternica	kafilérka ihneď po ulovení bez	ulovený pozitívny	uhynutý pozitívny	kumulácia 1	kumulácia 2 3	kumulácia
Bez obme	0	10Eur	10Eur chorý	0	0	20Eur	20Eur	0+10+20	10+20	
NZ	30Eur/ks	10Eur	10Eur	0	0	20Eur	20Eur	30+10+20	10+20	30+10
Part I	30Eur/ks	10Eur	10Eur	0	0	20Eur	20Eur	30+10+20	10+20	30+10
Part II	30Eur/ks	10Eur/max 10 vz/mes	10Eur	0	30	20Eur	20Eur	30+10+20	10+20	30+10
Part III	30Eur/ks	10Eur/max 10 vz/mes	10Eur	0	30	20 Eur	20Eur	30+10+20	10+20	30+10

kumulácia 1: nálezne a odstránenie úhyn 30 E/1 ks, vzorka úhyn 10E/1ks - (max 10 ks/mesiac/revír v Part II, III) + úhyn pozit 20E/1ks

kumulácia 2: vzorka z lovu 10 E + 20 E pozit.

kumulácia 3: nálezne a neškodné odstránenie 30 E + 10 vzorka, negatívna na AMO

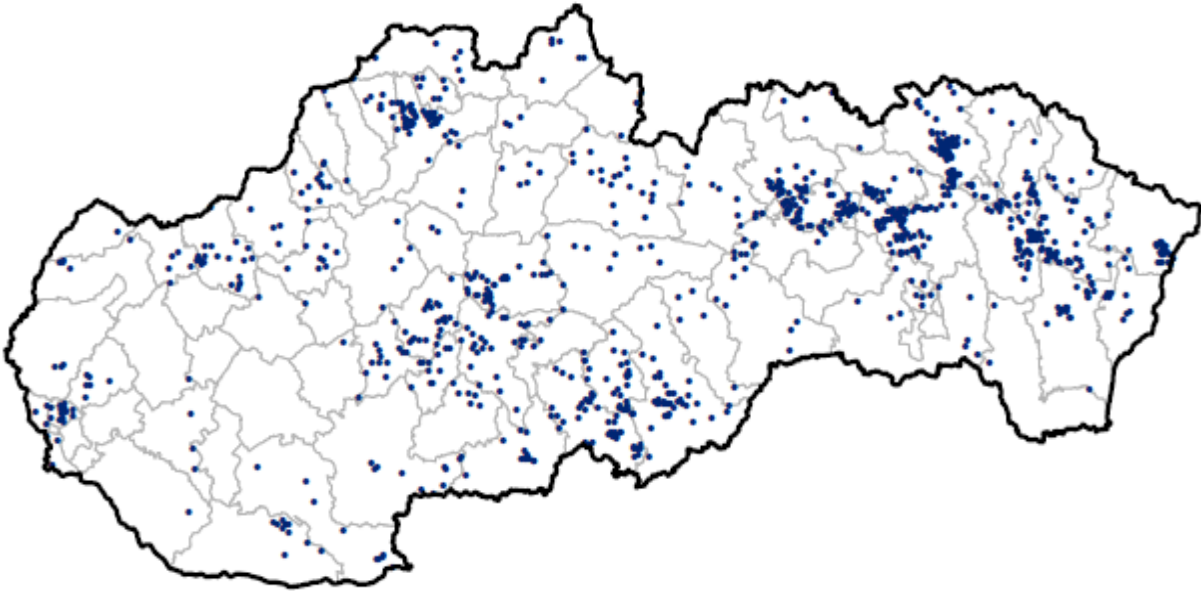
HUNTERS SUPPORT II.



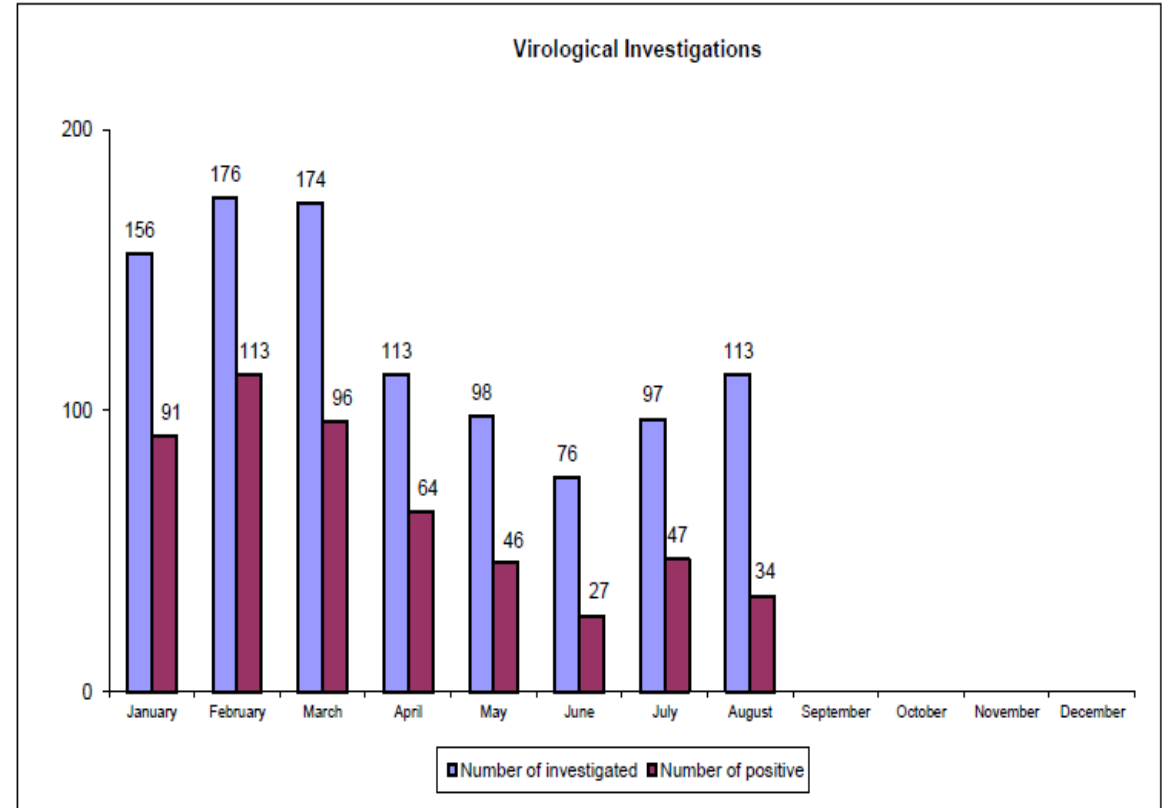
- COOLING BOXES – FOR HUNTED WB - DISTRIBUTED IN THE HUNTING GROUNDS – ALMOST 60% OF HG EQUIPPED (PART II, PART I, FREE ZONES – AROUND BIG PIG FARMS IN ORDER TO PROMOTE DECREASE DENSITY OF WB AND TO MITIGATE RISK OF TRANSMISSION OF ASF VIRUS FROM WB
- SURVEILLANCE (PASSIVE) – EFFECTIVE ! – **WHOLE TERRITORY** OF THE SLOVAK REPUBLIC – *EARLY DETECTION IN PLACE* , ESTABLISHED SYSTEM OF COLLECTION OF SAMPLES (TWICE /THREE TIMES PER WEEK) – PAID BY STATE – *GOOD EXPERIENCE REGARDING COOPERATION WITH HUNTERS (ALSO TRAINED FOR TAKING SAMPLES)*
- SURVEILLANCE (ACTIVE) - SEVERAL PART OF SK- PART III, PART II , PART I + BUFFER ZONE

Geographical distribution of samples submitted for ASFV investigation in wild boars in Slovakia during 2022 (January - August) - passive surveillance

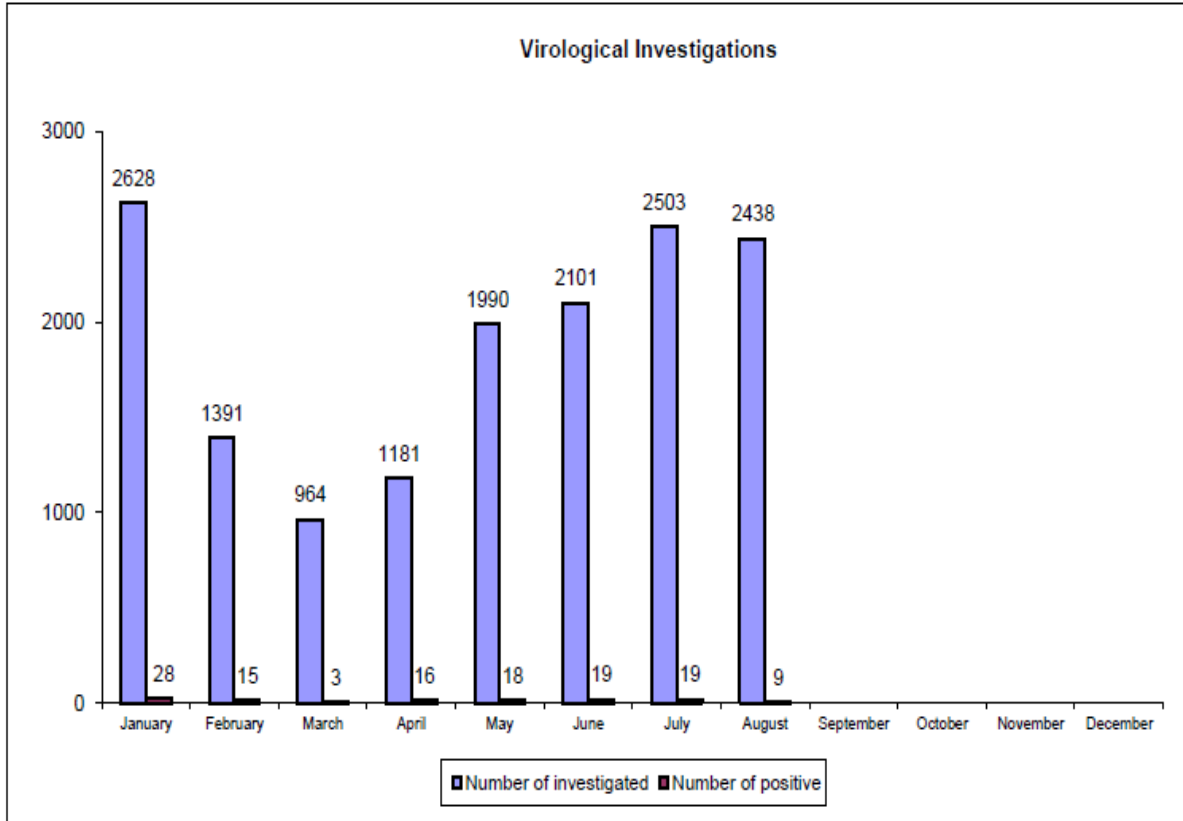
virological



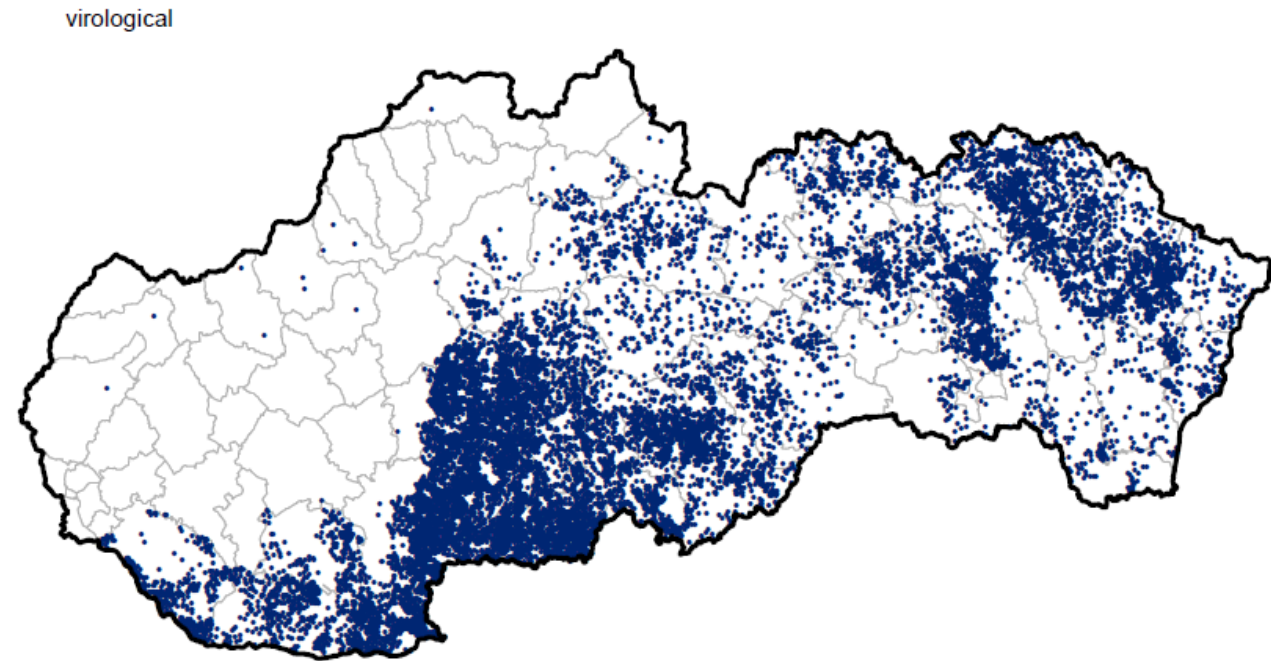
Laboratory Investigations of ASF in wild boars in Slovakia during 2022 (January - August) - passive surveillance



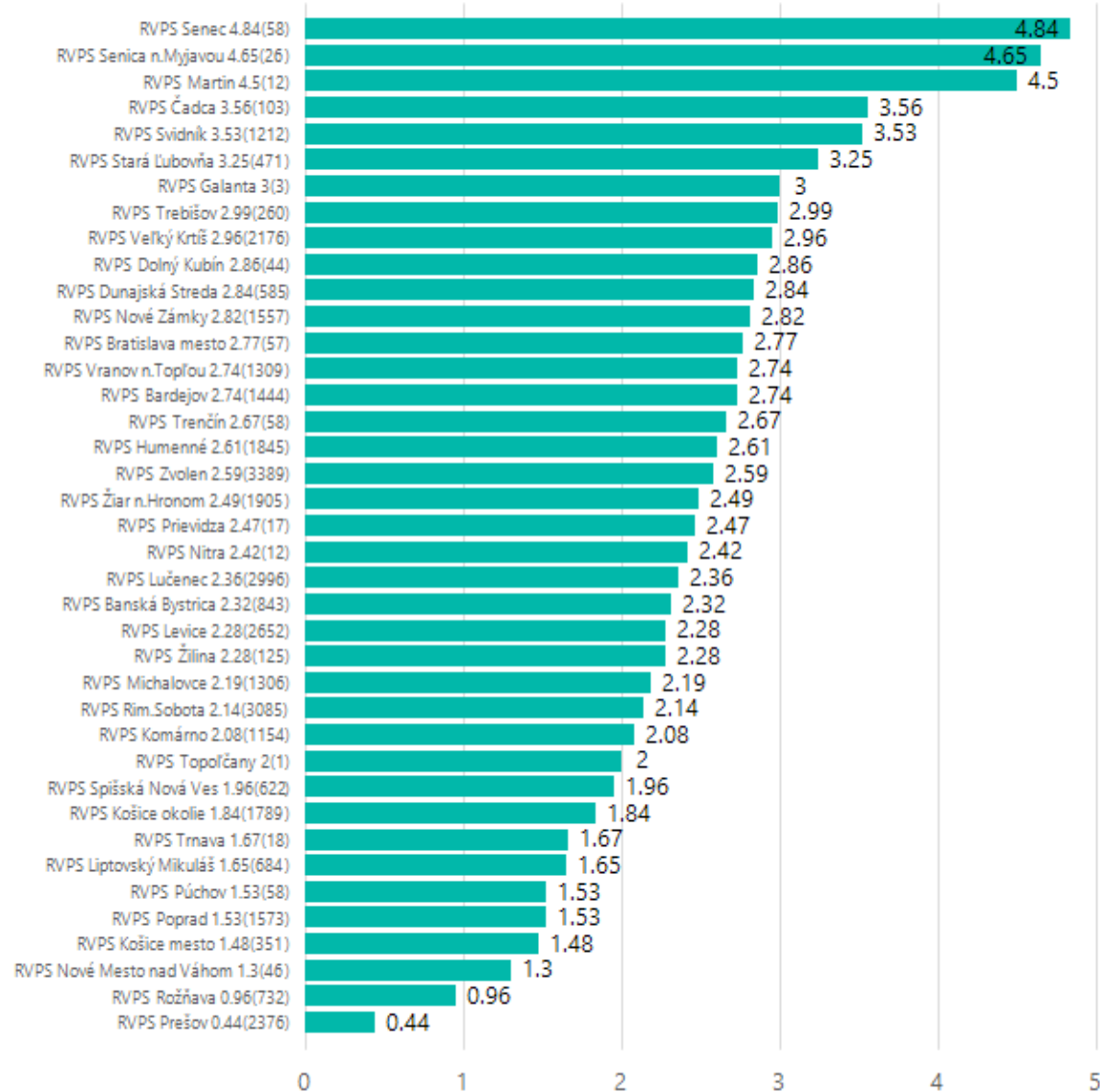
Laboratory Investigations of ASF in wild boars in Slovakia during 2022 (January - August) - active surveillance



Geographical distribution of samples submitted for ASFV investigation in wild boars in Slovakia during 2022 (January - August) - active surveillance



Prehľad priemernej doby medzi dátumom prijmu a odberu prijatých Pa-K vzoriek za obdobie od 01.01.2021 do 31.12.2021



Interval



HUNTERS SUPPORT III.



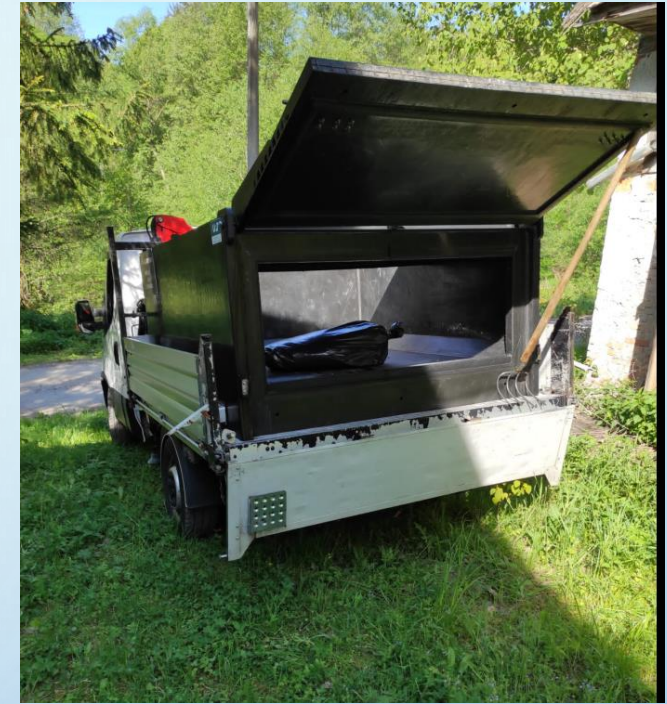
- RENDERING- SAFE DISPOSAL OF CARCASSES – 70-80 % OF CARCASSES RENDERED BY RENDERING PLANT – THEY DO NOT „STAY“ IN THE HUNTING AREA AND BURYING IS NOT USED (ONLY IN AROUND 20 %) – DISTRIBUTION OF TEMPORARY RENDERING BOXES (LOCKABLE) BEFORE BEING TAKEN TO THE RENDERING PLANT – GOOD AND USEFUL TOOL
HOW TO MITIGATE RISK AND HOW TO REHABILITATE THE ENVIRONMENT
- TRAPS – USED IN THE CITIES (CURRENT ACTION IN THE CAPITAL CITY OF BRATISLAVA)
- SANITARY SHOOTING – PLANNED TO START THIS AUTUMN- EXPERIENCE USED FROM OTHER MS

HOWEVER

- FENCES/ODOUR FENCES – NOT APPLIED - EFFICIENCY VERSUS FINANCIAL COSTS; COMPLICATED NAMING OF WHERE TO USE FENCES (LONG COMMON BORDER WITH HU /PL) WB ARE VERY CLEVER ANIMALS 😊

ASF - WB MANAGEMENT

- NEW REGION AFFECTED – HUNTING BAN ORDERED – DURATION: AT LEAST 4 WEEKS- RE-INTRODUCTION OF HUNTING (ACTIVE SURVEILLANCE OBLIGATORY) AFTER EVALUATION OF THE SITUATION IN THE AREA (HG, FINDING OF DEAD POSITIVE WB, HUNTING BAG, THE WB POPULATION ASSESSMENT ETC....)
- ACTIVE SEARCHING OF DEAD WB - USEFUL – PRINCIPALLY IN THE PERIOD OF HUNTING STANDSTILL +SAMPLING
- REMOVAL OF WB FROM THE HG- RENDERING PLANT !



FARMERS SUPPORT



- CONTRIBUTION FOR BIOLOGICAL PROTECTION OF HOLDINGS
- CONTRIBUTION FOR DESINFECTION, DISINSECTION AND DERATISATION ACTIVITIES
- SPECIAL CHECKS OF PIG HOLDINGS PERFORMED IN CERTAIN AREAS AROUND BIG PIG FARMS
- SURVEILLANCE SYSTEM BY DEAD ANIMALS- SAMPLING/TESTING
- RENDERING ACTIVITIES PAID BY STATE
- MANAGEMENT OF OUTBREAKS – COMPENSATIONS OF DIRECT AND INDIRECT LOSSES IN CASE OF OCCURRENCE ASF IN THE HOLDINGS
- RAISING AWARENESS – RECOMMENDATIONS IN ORDER TO IMPROVE THE PROCEDURES IN PLACE

SK EXPERIENCE- KEY ELEMENTS HOW TO MITIGATE THE RISK OF SPREADING (INTRODUCTION) OF DISEASE IN THE HOLDING



- TO OBSERVE THE PRINCIPLES OF **BIOLOGICAL SAFETY IN FARMS** (THOROUGH FENCING OF THE FARM, DISINFECTION FORDS, RECORDING AND CONTROL OF THE MOVEMENT OF MEANS OF TRANSPORT AND PEOPLE, CHANGING CLOTHES OF EMPLOYEES AND VISITORS TO THE FARM, OBSERVING THE BLACK AND WHITE SYSTEM)
- PREVENT THE INTRUSION OF WILD BOARS INTO THE FARM AREA, OR/AND THEIR CONTACT WITH FEED AND LITTER
- RESPECT THE **BAN ON FEEDING KITCHEN WASTE** AND BOAR MEAT PRODUCTS
- PROHIBITION TO STORE FEED FOR PIGS WITHIN „REACH“ OF WILD BOARS
- PROHIBITION TO STORE BEDDING STRAW WITHIN „REACH“ OF WILD BOARS MIN. 90 DAYS BEFORE ITS USE
- REGULAR CLINICAL EXAMINATIONS OF ANIMALS IN THE HOLDINGS
- + **IDENTIFICATION AND REGISTRATION OF PIG HOLDINGS- OBLIGATION! NOT ALWAYS RESPECTED ! RISK!!!**

RISK FACTORS IDENTIFIED FOR DOMESTIC PIGS

- BREEDING DENSITY AND SIZE
- FREE RANGE
- INFECTED NEIGHBORING FARM
- FARM VISITS
- FACTORS RELATED TO TRADE - DENSITY OF THE ROAD NETWORK, MAIN ROAD ROUTES, DISTRIBUTION OF DENSITY OF FARMS / PIG POPULATION
- RELOCATION (MOVEMENTS) OF INFECTED ANIMALS
- GEOGRAPHICAL FACTORS



Evaluation of strategical approach and challenges – ASF fight – SK

Positive evaluation of the current situation

- ✓ Stop spreading disease into new regions (for the time being)- WB
- ✓ Average shooting (hunting) per 100 km² increased by 300%
- ✓ We managed to eradicate outbreaks of ASF infection in domestic pigs – no new suspicions
- ✓ ASF expert group work – described in the previous slide – positive effect of the awareness /actions taken
- ✓ ASF cofinancing of the activities by the EC in 2022 and expected to be continuing in 2023



Challenges

- ⊙ To provide intensive hunting of WB in the determined areas in order to reduce significantly the population of WB
- ⊙ Selective hunting
- ⊙ Insufficient amount as well as the differentiation of the amounts for individual areas and gender of WB
- ⊙ Biological measures of the pigs holding – leveling up and proper application
- ⊙ Stop of illegal import (movement) of pigs from other neighbouring countries (infected zones/areas)
- ⊙ To strenghten the cooperation of state institutions involved (checks, reports, feedbacks)
- ⊙ The developing the strategies for non-hunting ares

FURTHER PROPOSED STEPS

- **REGULATION OF HUNTING REGARDLESS OF THE DEGREE OF NATURE PROTECTION (THROUGH A REGULATION OF THE GOVERNMENT OF THE SLOVAK REPUBLIC)**
- **REGULATION OF HUNTING ON NON-HUNTING AREAS (PROTECTION OF INTRAVILLAGE) (THROUGH A REGULATION OF THE GOVERNMENT OF THE SLOVAK REPUBLIC)**
- **THE AMOUNT OF THE SHOOTING FEE FOR THE BUFFER ZONE : €100/PC, REGARDLESS OF THE AGE AND GENDER OF THE HUNTED PIECE OF WB (BLUE ZONE- PART I AREAS)**
- **THE AMOUNT OF THE SHOOTING FEE FOR THE ZONE WITHOUT THE OCCURRENCE OF ASF: €100/PIECE PER FEMALE, REGARDLESS OF AGE (WHITE ZONE)**
- **CONSISTENT DIRECT IMPLEMENTATION OF MEASURES ORDERED BY DISTRICT AUTHORITIES (RESOLUTION OF THE SLOVAK GOVERNMENT NO. 436 OF JULY 21, 2021)**
- **IF NECESSARY, EXPANSION OF THE BUFFER ZONE FURTHER NEXT TO BORDER DISTRICTS IN THE WHITE ZONE WITH HU, PL, OR DEPENDING ON THE DEVELOPMENT OF THE INFECTIOUS SITUATION WITH CZ**
- **TO DEVELOP THE STRATEGY TO SUPPORT THE PLACEMENT OF WILD GAME ON THE INTERNAL MARKET OF THE SLOVAK REPUBLIC (MINISTRY RESPONSIBILITY)**
- **EXTENSIVE MEDIA CAMPAIGN (MINISTRY TASK)**



**THANK YOU FOR YOUR
ATTENTION**

