



FAO's support to the region on ASF surveillance and management

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Major activities

1. Regional coordination
2. Emergency & Assessment missions
3. Development projects
4. Capacity building
5. Dissemination, awareness & publications
6. Research
7. ASF Reference Centers
8. Tools



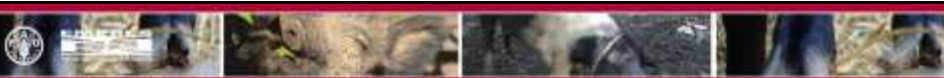
Regional coordination

Standing Group of Experts on ASF in the Baltic and Eastern Europe Region (SGE ASF)

- http://web.oie.int/RR-Europe/eng/Regprog/en_GF_TADS%20-%20Standing%20Group%20ASF.htm
- Set up under the GF-TADs to build up a closer cooperation
- Comprises decision makers, experts, EC, OIE and FAO
- Main objective is to strengthen mid-term regional cooperation through:
 - Regular exchange of information on ASF situation and control measures
 - Regular review of national control strategies by experts with a view to harmonizing control policies and building a regional control strategy
 - Collaboration on laboratory diagnostics
 - Collaboration on awareness raising campaigns in the affected countries
- Meet every few months (depending on the situation):
 - Kick-off meeting: Sept. 2014, Bern, Switzerland
 - SGE ASF1: Dec. 2014, Minsk, Belarus – on ASF situation in wild boar
 - SGE ASF2: Feb. 2015, Tallinn, Estonia - on biosecurity in domestic pig
 - SGE ASF3: March 2016, Russia
 - SGE ASF4: May 2016, Paris, France
 - SGE ASF5: Sept 2016, Lisbon, Portugal
 - SGE ASF6: Nov. 2016, Vilnius, Lithuania
 - SGE ASF7: May 2017, Paris, France
 - SGE ASF8: Sept 2017, Chisinau, Moldova







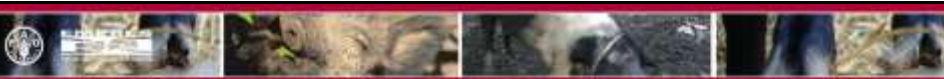
Mandate

Provide **Rapid response**
to transboundary animal diseases (TADs)
and emerging animal disease (EIDs) threats



When CMC deploys

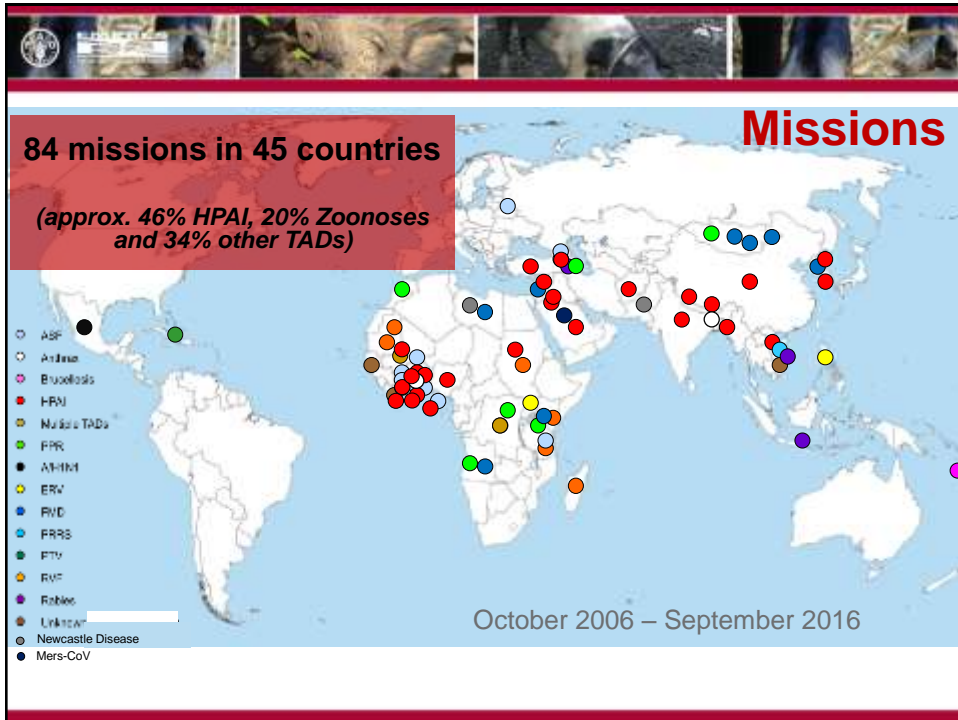
- Newly infected country
- Country at high risk of infection
- Country affected by significant epidemiologic change
- Upon government request



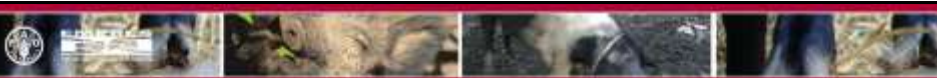
Current Partners

- OIE
- WHO
- Others
 - EC
 - USDA
 - USAID
 - DAFF (Australia)
 - *France Vétérinaire International (FVI)*
 - Ministère de l'Agriculture De l'Agro-Alimentaire et De La Forêt (France)





- ## FAO Rapid Assessment missions on ASF
- **CMC rapid missions**
 - Joint FAO/OIE/EC to Georgia (June 2007)
 - Joint FAO/OIE/EC to Armenia (September 2007)
 - FAO/OIE to Belarus (May 2010)
 - FAO/OIE to Tanzania (November 2011)
 - FAO to Côte d'Ivoire (October 2014)
 - **EMPRES assessment mission to Ukraine (July 2010)**



in the field

Viet Nam – PRRS



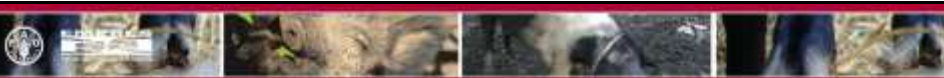
Morocco – PPR



- Support immediate response
 - assess and investigate
 - disease control and surveillance
 - sample collection and shipment
 - crisis communication
- Promote cross-border dialogue
- Facilitate coordination
 - authorities
 - donors
 - technical agencies
- Mobilize resources
 - concept notes and TCPs
 - emergency funding package
- Provide immediate support and recommendations
 - emergency action plan
 - emergency funding package
 - in-country debrief



Development projects



Technical Cooperation programs (TCPs)

- 1-2 years; ≈ USD 300,000-500,000
- Most common activities:
 - Trainings
 - Purchase of equipment
 - Awareness (leaflets/booklets)
 - Surveillance
 - Small research projects
 - Legislation and regulatory issues
 - Decision support tools
 - Simulation exercises
 - Information systems
- TCPs: Georgia, Armenia, China, Ukraine, Belarus (all finalized)
- TCPf: Moldova (2016-17)



EBRD/FAO project *African Swine Fever: Risk Awareness Raising and Risk Mitigation in Ukraine – phase 1 (2015-2016)*

- Improving contingency plans at national and sub-national level:
 - 6 regional simulation exercises in Kyiv, Poltava, Zhytomyr, Lutsk, Kharkiv and Dnipropetrovsk
- Strengthening the laboratory diagnostic capacity
- Improving the knowledge and awareness of local veterinarians
- Raising the awareness of smallholders, small and medium-sized pig farmers on ASF - awareness materials and training for mass media experts





EBRD/FAO project *African Swine Fever: Risk Awareness Raising and Risk Mitigation in Ukraine – phase 2 (2017-2018)*

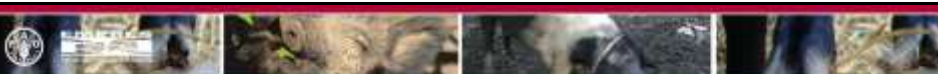
1. Enhancing ASF surveillance capacity locally

- ✓ Strengthened monitoring in endemic areas
- ✓ Capacity development of lab diagnostics (equipment, kits, training)
- ✓ Hands-on training/field visits on sampling and biosecurity measures for at least 150 veterinary students graduates of universities

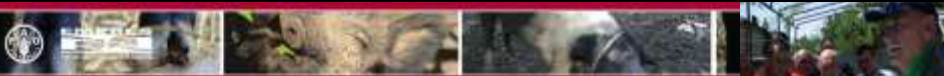
2. Strengthening private sector resilience to ASF-related risks

- ✓ Recommendations on zoning and compartmentalization for the purpose of surveillance, prevention, control, and pork trade
- ✓ Continue the dialogue with the private sector, the government and national veterinary authorities with a focus on promoting public-private compensation schemes, contingency planning and compartmentalization, etc.
- ✓ Six capacity-development events – training and simulation exercises 2017-2018
- ✓ Provide recommendations on potential preventive measures such as pig substitutions schemes to help mitigate negative socioeconomic effects of ASF outbreak/spread

3. Awareness-raising with local media and rural communities




Capacity building




Past ad-hoc capacity building efforts

- **Epidemiology Trainings:** Ukraine: (May 2009; > 50 participants); and Belarus (May 2009; > 20 participants)
- **Lab Trainings:** Ukraine (March 2010; 16 diagnosticians from Belarus, Moldova and Ukraine); and Kazakhstan (with CISA-INIA; Sept 2013; 10 participants)
- **Collection & identification of *Ornithodoros* ticks:** Georgia, June 2013 (with CIRAD): 10 participants from Georgia (2), Armenia (1), Kazakhstan (1), Russia (2), Bulgaria (2), and Ukraine (1)
- **Epi & Diagnosis:** Italy, Nov 2013 (with IZS-UM); 9 participants from Georgia (1), Armenia (2), Belarus (2), Russia (1), Moldova (1), Ukraine (2) and Serbia (1)
- **Contribute to EC's BTSF GF-TADS workshops**




Dissemination, awareness & publications



Early warnings and assessments:




- 2007 - ASF in Georgia - http://www.fao.org/docs/eims/upload/230205/EW_ASF_Georgia_Jun07.pdf
- 2008 - ASF in the Caucasus - <ftp://ftp.fao.org/docrep/fao/011/aj214e/aj214e00.pdf>
- 2009 - ASF spread in the Russian Federation and the risk for the region <ftp://ftp.fao.org/docrep/fao/012/ak718e/ak718e00.pdf>
- 2010 - FAO takes a close look at the threat of ASF introduction into Eastern Europe <http://www.fao.org/docrep/013/i1958e/i1958e00.pdf>
- 2012 - ASF recent developments - timely updates <http://www.fao.org/docrep/016/ap372e/ap372e.pdf>
- 2013 - ASF in the Russian Federation: risk factors for Europe and beyond <http://www.fao.org/docrep/018/aq240e/aq240e.pdf>

Awareness materials adapted to different countries



Manuals

- **Good practices for biosecurity in the pig sector** (EN, FR, SP, RU) <http://www.fao.org/docrep/012/i1435e/i1435e00.pdf>
- **Preparation of ASF contingency plans** (EN, FR, SP, RU, GEO, ARM) <ftp://ftp.fao.org/docrep/fao/012/i1196e/i1196e00.pdf>
- **Recognizing ASF - A Field manual** (EN, RU, Chinese) <http://www.fao.org/documents/card/en/c/bd35c569-752e-4b57-892e-e3e2e0ee0c9c/>
- **Next? On wild boar management?**



Research



Global ASF Research Alliance

- Launched April 2013
- **Mission:** *To establish and sustain global research partnerships that will generate scientific knowledge and tools to contribute to the successful prevention, control and where feasible, eradication of ASF*
- Open membership
- 3 meetings so far:
 - March 2013, Plum Island, USA
 - November 2014, Pretoria, RSA
 - September 2016, Ploufragan, France
- Updates and gap analysis
- <http://www.ars.usda.gov/GARA/>





ASFORCE Research Consortium

- <http://asforce.org/> (2013-2015)
- EC Research Consortium under the 7th Framework Programme (FP7)
- On a targeted research effort on ASF
- Follow-up of ASFRISK
- 36 months and 5 million EUR
- 18 partners (universities, research institutes, SMEs & FAO)
- 5 themes:
 - Theme 1 - Coordination and management
 - Theme 2 - Prevention, control & eradication models
 - Theme 3 - Pig-wild boar-*Argasidae* interactions
 - Theme 4 - Development of vaccines and diagnostic
 - Theme 5 - Training and knowledge transfer



Host population mapping/modelling

Wild boar

- Wild boar distribution range and densities
- Model now available for the whole of Europe and North Eurasia

Domestic pigs

- Low and high biosecurity sectors

Other mapping products

- Overlay of the two above to detect most likely areas of interaction





IAEA Coordinated Research Project (CRP) for Early and Rapid Diagnosis and Control of ASF



- 2014-2019 (1st Meeting on 7-11 July 2014, Vienna, Austria)
- Participating countries:
 - Burkina Faso, Cameroon, China, Côte d'Ivoire, Germany, Nigeria, Russian Federation, Senegal, Uganda, Zambia
- Topics covered:
 - Serology
 - Molecular diagnostics
 - Epidemiology and sequencing
 - Immunization and Immunology

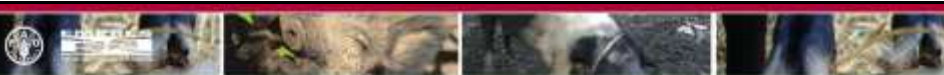


FAO Reference Centres

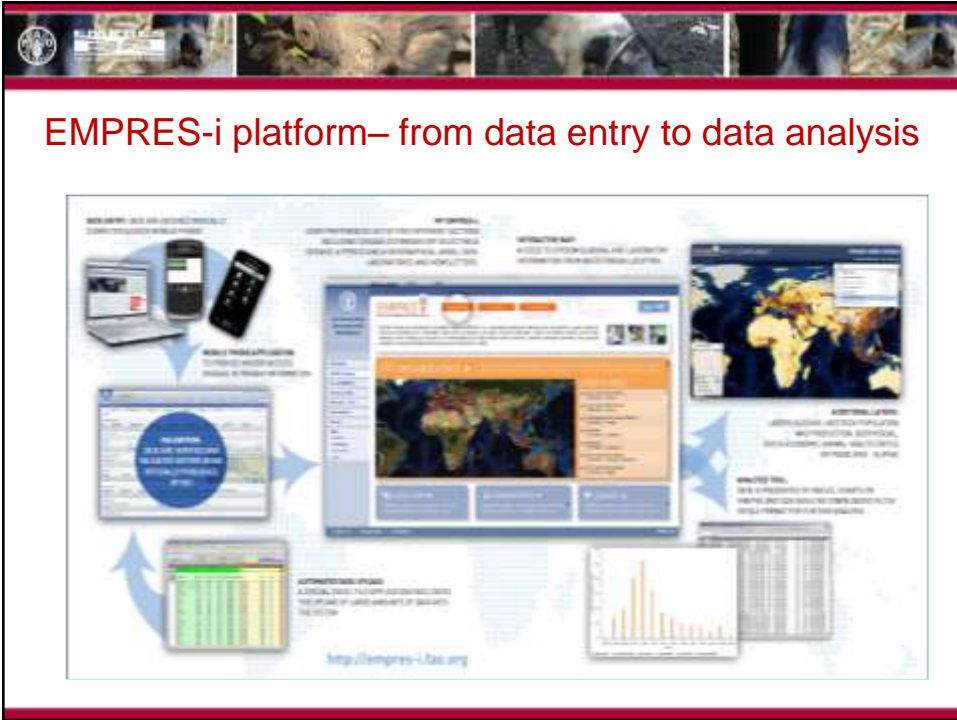


FAO Reference laboratories/ centres in ASF

- **ARC-OVI** (Agricultural Research Council, Onderstepoort Veterinary Institute), South Africa
 - **FAO** and **OIE**
- **CISA-INIA** (Centro de Investigación en Sanidad Animal - Instituto nacional de investigación y tecnología agraria y alimentaria), Spain
 - **FAO** and **EU**



Tools



Thanks for your
attention