**OFFLU strategy assessment: objectives, actions and outcomes (August 2016)**

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<th>OFFLU objectives</th>
<th>Activities</th>
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| To share and offer technical advice, training and veterinary expertise to international organisations and Member Countries to assist in the prevention, diagnosis, surveillance and control of animal influenza | Technical advice | - OFFLU experts provided technical assistance in response to HPAI H5N1, H5N6, H5N8, pandemic H1N1 and H7N9 outbreaks  
- OFFLU biosafety guidelines for handling HPAI, pH1N1 and LPAI H7N9 developed and communicated via the OFFLU website  
- Guidelines and Recommendations on avian influenza vaccines and vaccination (Verona, 2007 & Beijing, 2013) and on equine influenza vaccines (updated annually)  
- Publication on the assessment of national strategies for control of AI with emphasis on vaccines and vaccination collected from 69 countries (Papers published)  
- OFFLU Strategy document for surveillance and monitoring of influenzas in animals |
| Training | - Electronic training material posted on OFFLU website  
- Global OFFLU ring trials conducted for avian influenza labs – Promoted consistency in diagnostic testing among reference, national and regional labs (annual exercise) |
| Veterinary expertise | - Established and maintained global avian, swine and equine influenza experts who provided expertise on related influenza issues  
- OIE and FAO reference centres engaged in OFFLU  
- Developed diagnostic standards (e.g. Universally usable RNA standard for PCR assays)  
- Vaccine efficacy projects assisted Indonesia and Egypt  
- OFFLU experts participated in missions for outbreak investigations as and when needed |
| To exchange scientific data and biological materials (including virus strains) within the network, to analyse such data, and to share such information with the wider scientific community | Exchange scientific data | - Information shared on HPAI H5N1, pandemic H1N1, H7N9 outbreaks etc. for harmonization of diagnostic protocols  
- OFFLU website Meetings/teleconferences was used as a mechanism for coordination and data exchange  
- Surveillance and research findings on swine influenza shared annually in OFFLU SIV group meetings and scientific publications |
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| Exchange biological materials | - Resolution on sharing of avian influenza materials in the OIE General Session (2008)  
- OFFLU played an ad hoc role in facilitating sharing (pandemic H1N1 – Chile, H5N1 Indonesia)  
- FAO payment for shipping samples  
- Advocacy – OFFLU statement on MTAs and template for MTA developed |
| Analyse data | - OFFLU took a lead role in collating, analyzing and communicating data from the animal influenza for pandemic preparedness (participation in WHO VCM) |
| Sharing information with wider scientific community | - OFFLU updates and outputs were regularly shared in influenza meetings and symposia  
- Annual OFFLU technical meetings held at intervals involving the whole OFFLU community  
- Developed OFFLU website for sharing influenza related news, events, guidelines and scientific information  
- Global swine influenza surveillance paper published by OFFLU swine influenza virus group  
- OFFLU SIV group set of slides and poster used by SIV experts at several meetings  
- OFFLU annual reports  
- OFFLU statement on use of public available databases |
| To collaborate with the WHO on issues relating to the animal-human interface, including pandemic preparedness for early preparation of human vaccine | Human – Animal interface | - Contributed to the WHO research agenda document  
- Joint human and animal sector influenza risk assessment activities  
- OFFLU collaborated with WHO in developing a unified nomenclature system and virus clades for H5N1 HPAI viruses  
- Participated in PH meetings e.g. CDC influenza network meeting, Arizona 2012  
- Participated in WHO PIP framework meetings and previously in the WHO IGM |
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| Pandemic preparedness | - Provided animal health data to the biannual WHO Vaccine Composition Meetings for pandemic preparedness for past 4 years  
- Formal relationship established with WHO for animal health contributions to the Vaccine Composition Meetings for pandemic preparedness, and renewed for a second term  
- The implications for animal health and animal health laboratories on WHO’s PIP framework clarified  
- OFFLU participated in the WHO informal consultation in improving the influenza vaccine virus selection process  
- Advice on detection and control in animal source to minimise pandemic threat |
| To highlight influenza surveillance and research needs, promote their development and coordination | - OFFLU surveillance strategy document – for poultry, wild birds, equine, swine  
- Reviewed and recommended improvements for AI surveillance and epidemiological projects (2005-2009) in Europe, Africa and Asia  
- SIV group provided guidance on harmonized approaches to surveillance  
- SIV group developing standardized and harmonized system for SIV nomenclature |
| Research needs | - OFFLU research agenda document (2010) – poultry, wild birds, swine, equine influenza  
- OFFLU-STAR-IDAZ consultation to develop a global animal influenza research agenda  
- Technical activity on research agenda  
- Participated in development of WHO influenza research agenda  
- Scientific publications e.g. Animal influenza research needs: protecting humans, animals, food, and economies (influenza and other resp. viruses)  
- Strategic partnership with STAR-IDAZ |