



**OFFLU strategy assessment: objectives, actions and outcomes (January 2020)**

OFFLU objectives	Activities	Outcomes
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	<ul style="list-style-type: none"> <li>- OFFLU experts provided technical assistance in response to emerging and epidemic HPAI outbreaks</li> <li>- OFFLU biosafety guidelines for handling HPAI, pH1N1 and LPAI H7N9 developed and communicated via the OFFLU web site</li> <li>- Guidelines and Recommendations on avian influenza vaccines and vaccination (Verona, 2007 &amp; Beijing, 2013) and on equine influenza vaccines (updated annually)</li> <li>- Publication on the assessment of national strategies for control of AI with emphasis on vaccines and vaccination collected from 69 countries (Papers published)</li> <li>- OFFLU Strategy document for surveillance and monitoring of influenzas in animals</li> </ul>
	Training	<ul style="list-style-type: none"> <li>- Electronic training material posted on OFFLU website</li> <li>- Global OFFLU ring trials conducted for avian influenza labs – Promoted consistency in diagnostic testing among reference, national and regional labs (annual exercise)</li> </ul>
	Veterinary expertise	<ul style="list-style-type: none"> <li>- Established and maintained global avian, wildlife, swine and equine influenza experts who provided expertise on related influenza issues</li> <li>- OIE and FAO reference centres engaged in OFFLU</li> <li>- Developed and shared diagnostic standards</li> <li>- Vaccine efficacy projects</li> <li>- OFFLU experts participated in missions for outbreak investigations as and when needed</li> </ul>

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	<ul style="list-style-type: none"> <li>- Information shared on HPAI and other emerging LP/HP outbreaks for harmonization of diagnostic protocols</li> <li>- OFFLU website Meetings/teleconferences was used as a mechanism for coordination and data exchange</li> <li>- Surveillance and research findings on swine influenza shared annually in OFFLU SIV group meetings and scientific publications</li> <li>- Equine influenza surveillance findings shared annually to update the vaccine recommendations</li> </ul>
	Exchange biological materials	<ul style="list-style-type: none"> <li>- Resolution on sharing of avian influenza materials in the OIE General Session (2008)</li> <li>- OFFLU played an ad hoc role in facilitating sharing (pandemic H1N1 – Chile, H5N1 Indonesia)</li> <li>- FAO payment for shipping samples</li> <li>- Advocacy – OFFLU statement on MTAs and template for MTA developed</li> </ul>
	Analyse data	<ul style="list-style-type: none"> <li>- OFFLU took a lead role in collating, analyzing and communicating data from the animal influenza for pandemic preparedness (participation in WHO VCM)</li> </ul>
	Sharing information with wider scientific community	<ul style="list-style-type: none"> <li>- OFFLU updates and outputs were regularly shared in influenza meetings and symposia</li> <li>- Annual OFFLU technical meetings held at intervals involving the whole OFFLU community</li> <li>- Developed OFFLU website for sharing influenza related news, events, guidelines and scientific information</li> <li>- Global swine influenza surveillance paper published by OFFLU swine influenza virus group</li> <li>- OFFLU SIV group set of slides and poster used by SIV experts at several meetings</li> <li>- OFFLU annual reports</li> <li>- OFFLU statement on use of public available databases</li> </ul>

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	<ul style="list-style-type: none"> <li>- Contributed to the WHO research agenda document</li> <li>- Joint human and animal sector influenza risk assessment activities</li> <li>- OFFLU collaborated with WHO in developing a unified nomenclature system and virus clades for H5N1 HPAI viruses</li> <li>- Participated in PH meetings</li> <li>- Participated in WHO PIP framework meetings and previously in the WHO IGM</li> </ul>
	Pandemic preparedness	<ul style="list-style-type: none"> <li>- Provided animal health data to the biannual WHO Vaccine Composition Meetings for pandemic preparedness</li> <li>- Formal relationship established with WHO for animal health contributions to the Vaccine Composition Meetings for pandemic preparedness</li> <li>- The implications for animal health and animal health laboratories on WHO's PIP framework clarified</li> <li>- OFFLU participated in the WHO informal consultation in improving the influenza vaccine virus selection process</li> <li>- Advice on detection and control in animal source to minimise pandemic threat</li> </ul>
To highlight influenza surveillance and research needs, promote their development and coordination	Surveillance	<ul style="list-style-type: none"> <li>- OFFLU surveillance strategy document – for poultry, wild birds, equine, swine</li> <li>- Reviewed and recommended improvements for AI surveillance and epidemiological projects (2005-2009) in Europe, Africa and Asia</li> <li>- SIV group provided guidance on harmonized approaches to surveillance</li> <li>- SIV group developed standardized and harmonized system for SIV nomenclature</li> </ul>
	Research needs	<ul style="list-style-type: none"> <li>- OFFLU research agenda – poultry, wild birds, swine, equine influenza</li> <li>- OFFLU-STAR-IDAZ consultation developed a global animal influenza research agenda</li> <li>- Technical activity on research agenda</li> <li>- Participated in development of WHO influenza research agenda</li> <li>- Scientific publications e.g. Animal influenza research needs: protecting humans, animals, food, and economies (influenza and other resp. viruses)</li> <li>- Strategic partnership with STAR-IDAZ</li> </ul>