



**UNDERSTANDING THE CONNECTIVITY
AND DYNAMICS OF AVIAN INFLUENZA**

D6.4 Project Flyer

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Dissemination level

- Public
- Confidential, only for members of the consortium (including the Commission Services)



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INTRODUCTION AND SUMMARY

KAPPA-FLU is a project which involves interactions with a broad group of external experts representative of the stakeholders and end-users of the scientific results. This will foster the translation of research into practical applications that are well adapted to field circumstances and easier to implement, since the participatory process is favorable to speeding up the acceptance and dissemination of new and innovative ideas. In addition, this interactive approach will foster the generation of new ideas through interaction between actors, sharing of knowledge and effective intermediation.

A flyer presenting the partners, research programme, aims, actions and expected results will support the communication activities of the project to the wider public.

FLYER

Partner ERASMUS developed a flyer which contains an introduction on the project and the consortium partners, the work packages incl. short explanation why they are important and a short summary of the current situation. It will be updated from time to time with short progress reports or important news from the field.

The flyer is available on the website in two options - a printable version and a version for digital use. <https://kappa-flu.fli.de/de/public-outreach/communication-tools>

Partners

Project coordinator:
 FRIEDRICH LOEFFLER INSTITUT
 Germany (DE)

Project partners:
 ERASMUS UNIVERSITEIT
 MEDISCH CENTRUM ROTTERDAM
 Netherlands (NL)

Linneaus University
 LINNEUNIVERSITETET
 Sweden (SE)

ISTITUTO ZOOPROFILATTICO SPERIMENTALE DELLE VENEZIE
 Italy (IT)

Associated partners:
 SCHWEIZERISCHE VOGELWARTE SEMPACH
 Switzerland (CH)

Animal & Plant Health Agency
 ANIMAL AND PLANT HEALTH AGENCY
 United Kingdom (UK)

RVC Royal Veterinary College
 THE ROYAL VETERINARY COLLEGE
 United Kingdom (UK)

Collaborative partners:
 CANADIAN FOOD INSPECTION AGENCY
 Canada (CA)

THE UNIVERSITY OF HONG KONG
 China (CN)

Funding


 KAPPA-FLU has received funding from the European Union's Horizon Europe research and innovation programme under grant agreement No 101084171. It was funded within work program topic HORIZON-CL6-2022-FARM2FORK-02-03. The project is receiving approximately 4,215 Million Euro and will run for 48 months from May 2023 until April 2027.


 Innovate UK
 The Animal and Plant Health Agency has received funding from Innovate UK to support their activities conducted under KAPPA-FLU. This funding will run for 48 months from May 2023 until April 2027.


 The Royal Veterinary College has received funding from Innovate UK to support their activities conducted under KAPPA-FLU. This funding will run for 48 months from May 2023 until April 2027.


 Schweizerische Eidgenossenschaft
 Confédération suisse
 Confederaziun Svizra
 Confederaziun svizra
 Swiss Confederation
 Federal Department of Economic Affairs,
 Education and Research, SEM
 State Secretariat for Education,
 Research and Innovation, SERI
 The Swiss Ornithological Institute has received funding from the Swiss State Secretariat for Education, Research and Innovation (SERI).



KAPPA-FLU: Ecology and biology of highly pathogenic avian influenza H5 viruses

Urgency
 The global emergence of highly pathogenic avian influenza (HPAI) viruses and the subsequent adaptation to wild birds has resulted in record mortality of wild birds and poultry and is developing into an enzootic threat for wildlife, poultry and human health worldwide. To deal with this global problem, KAPPA-FLU brings together top experts from Europe, North America and Asia.



KAPPA-FLU objectives

KAPPA-FLU aims to understand the connectivity and dynamics of HPAI H5 viruses in wild birds, poultry and the environment, including the impact of climate change. The ambition of KAPPA-FLU is to improve risk- and knowledge-based surveillance and to identify new and cost-effective prevention and control options (including vaccination) for HPAI in poultry and wildlife that improve human health, animal welfare, wildlife conservation and sustainability of poultry production.

Based on this overall objective and ambition, the specific objectives of KAPPA-FLU are:



Objective 1 and Objective 2 – Disease ecology

Objective 1: Identify viral, host and environmental factors in migratory bird populations critical to long-term maintenance and long-distance virus spread focusing on recent H5 viruses. (WP1)

Objective 2: Unravel sources and routes of HPAI incursions into poultry populations. (WP2)



Objective 3 and Objective 4 – Virology

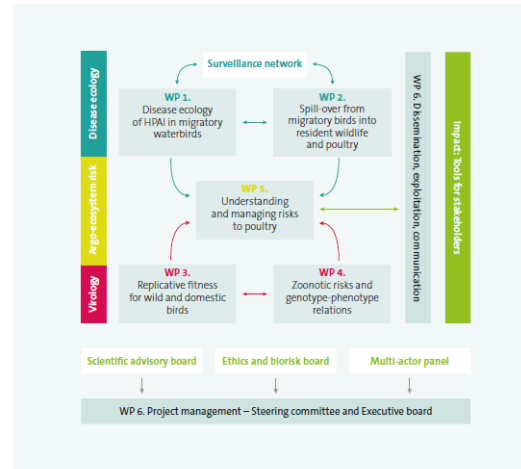
Objective 3: Detect and define genetic changes in HPAI viruses that impact viral fitness in different avian and mammalian species and the threat of zoonotic infections. (WP3 & 4)

Objective 4: Assess the risk factors for incursion of HPAI viruses into poultry holdings. (WP5)



Objective 5 – Agro-ecosystem risk

Objective 5: Develop new real-time risk assessment tools and determine the economic efficiency (and impact) of improved countermeasures for prevention and control of HPAI in poultry production systems. (WP5)



Impact

KAPPA-Flu will increase the capacity to prevent and reduce the impact of HPAI H5 viruses on poultry, wild birds, wildlife and humans.

