



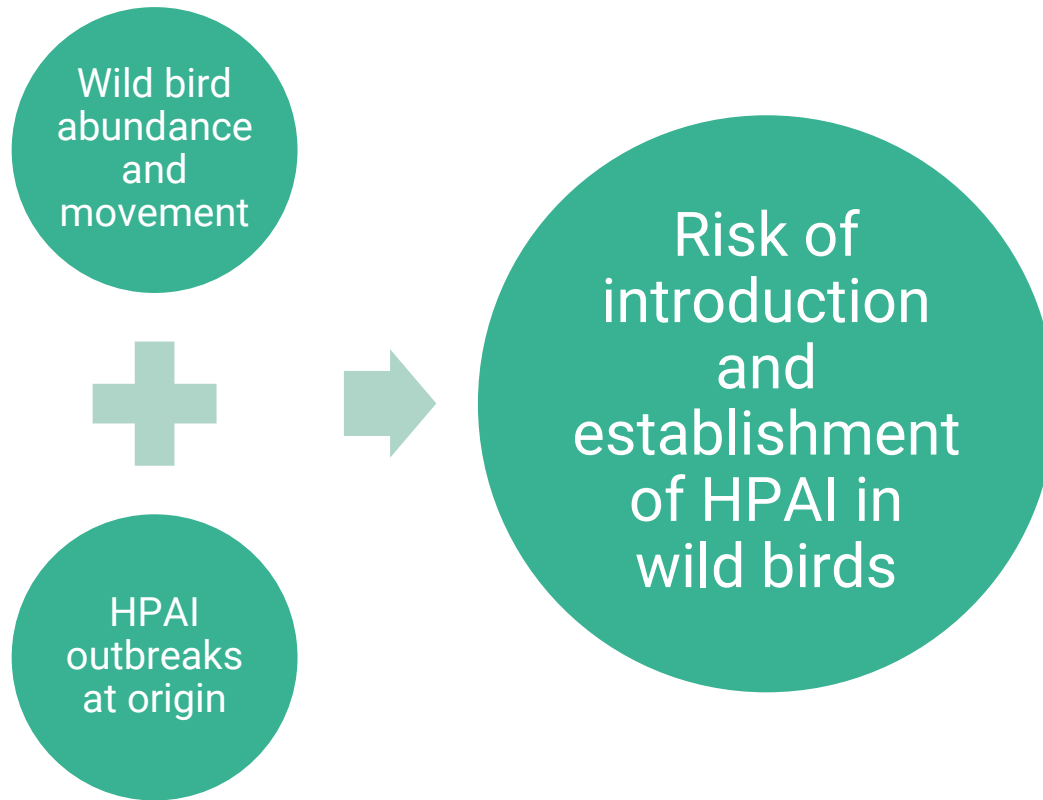
# EARLY WARNING OF HPAI IN THE EU

**Lisa Kohnle**

16/02/2023

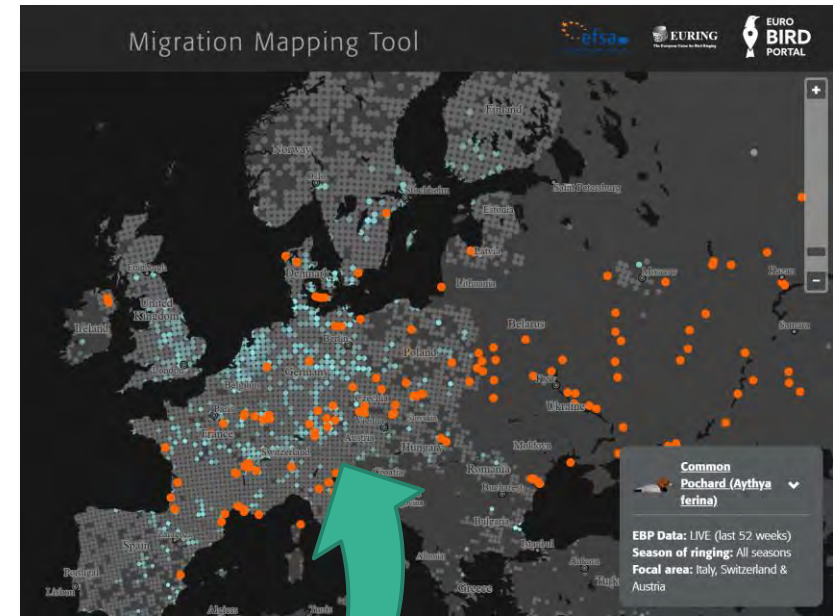
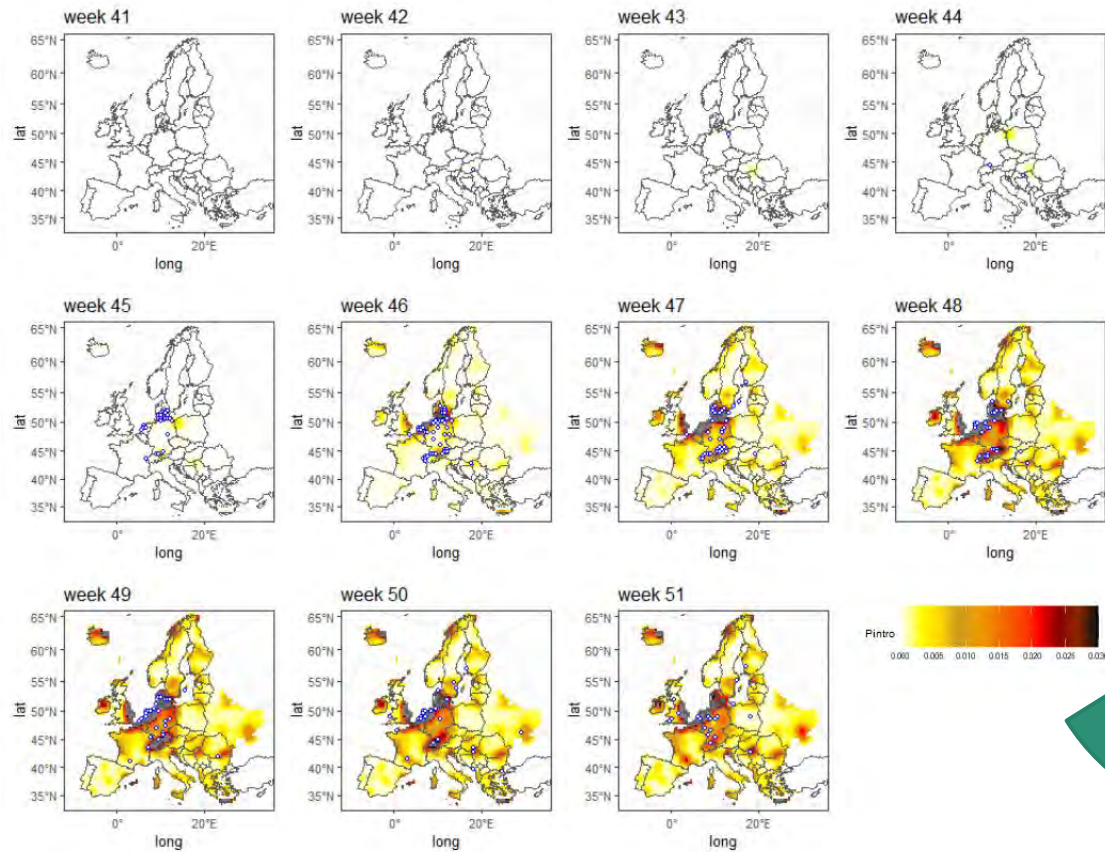
Standing Committee on Plants,  
Animals, Food and Feed

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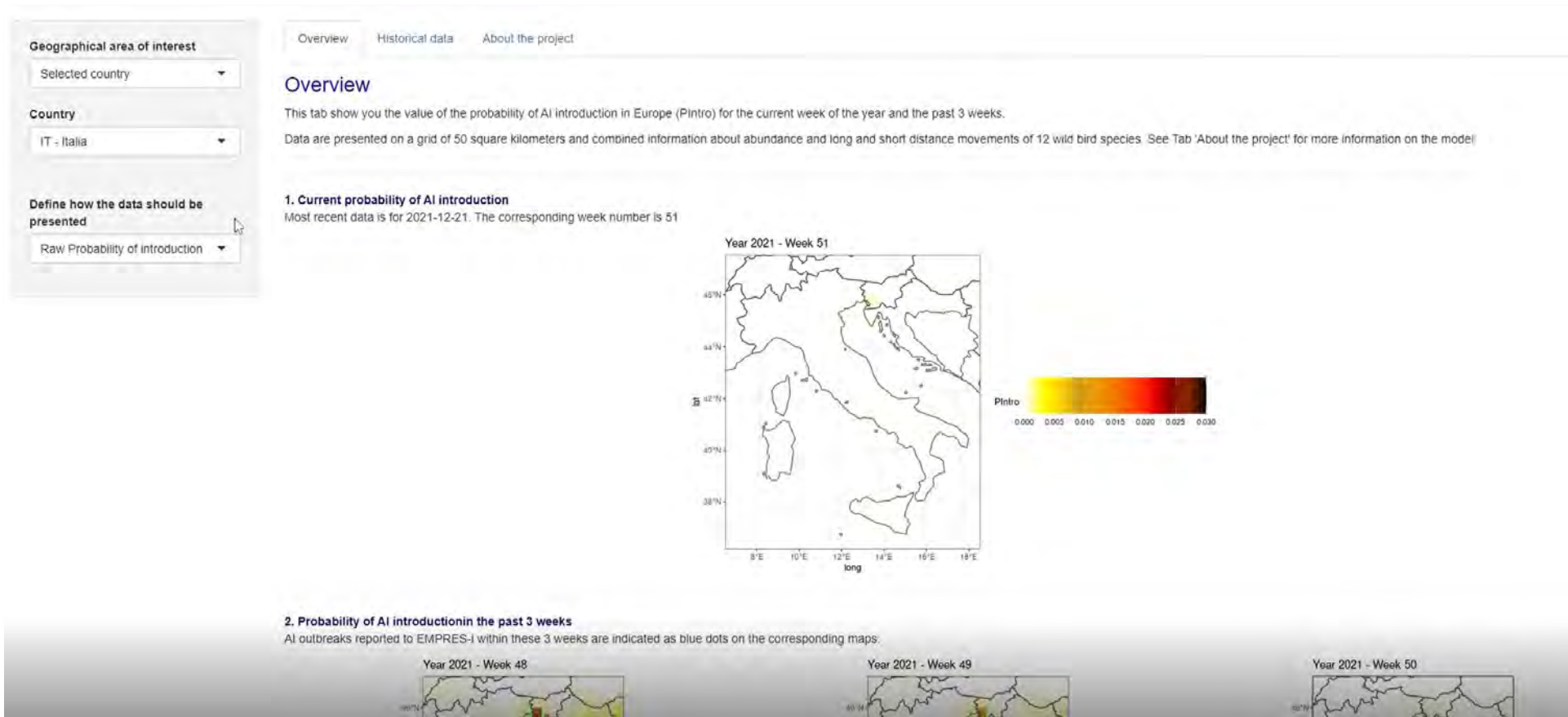
## EFSA's Bird Flu Radar



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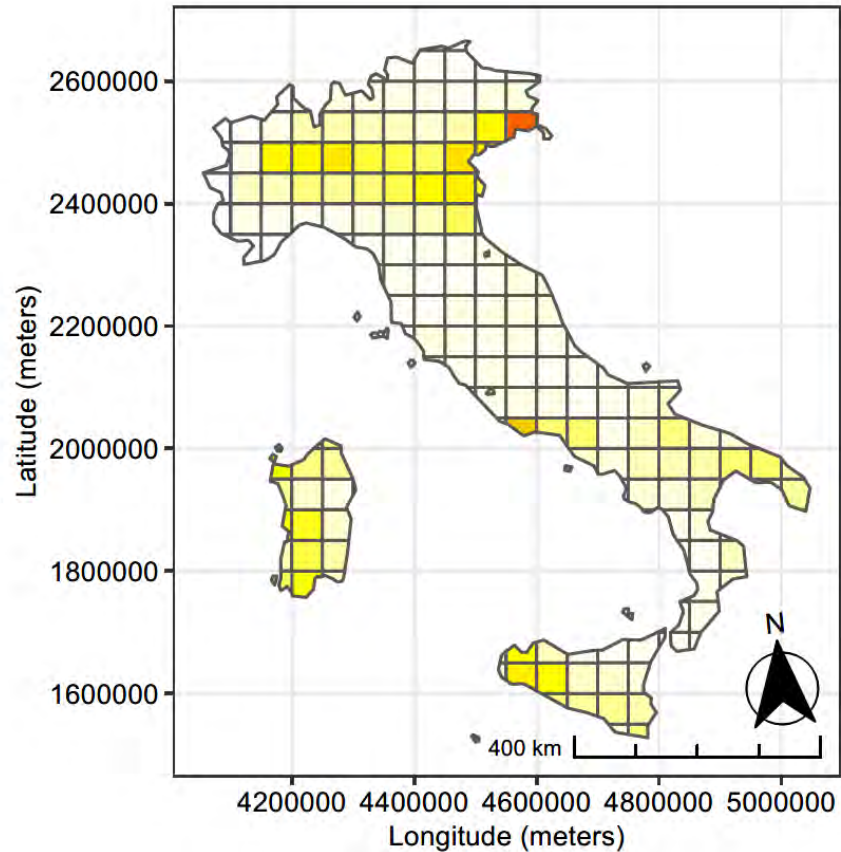
## EFSA's Bird Flu Radar

## Automated risk maps



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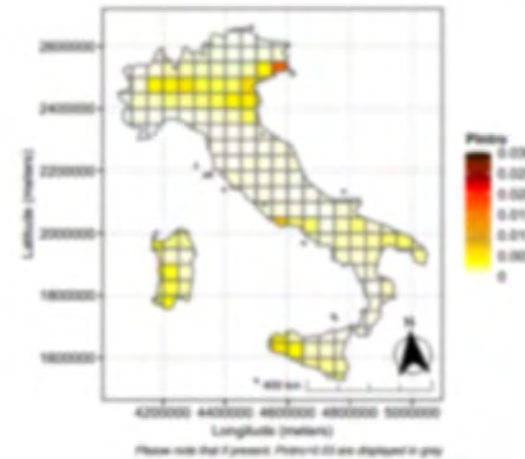
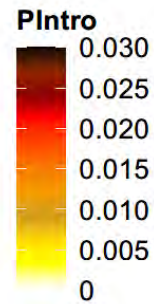
## EFSA's Bird Flu Radar



## Alert messaging system

Early warning of highly pathogenic avian influenza (HPAI) in the EU: weekly summary for Italy

Ability of introduction of HPAI A(H5N1) in wild birds from 2023-03-01 to 2023-03-31 to Italy



small overall probability of introduction for Italy from 2023-03-01 to 2023-03-31 is 0.00125, which is less than 0.005. Out of 100 cells in Italy, 44 have a probability of HPAI introduction higher than 0.00125, which is less than 50% of the country.

more than 0.00125 is the optimal cut-point value at which model sensitivity and specificity are maximised (EFSA's use ENIS for HPAI in the EU).

In previous work, the total number of HPAI outbreaks reported in wild birds in Italy was 0 according to the Food and Farm Department of the United States's EMPRES-i. Estimated probabilities of introduction in wild birds for the 10 weeks and for other EU countries are available (European Mapping Tool).



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## EFSA's Bird Flu Radar

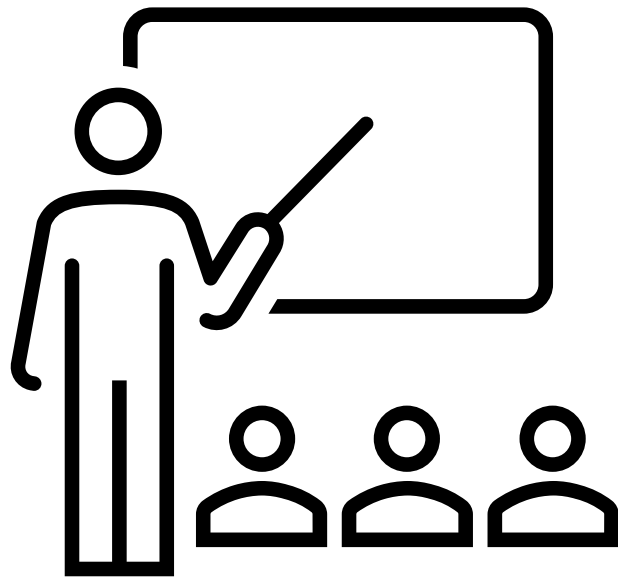
## Alert messaging system

Country	Institute	Contact
Austria	AGES	Sandra Revilla-Fernández
Czechia	State Veterinary Administration	Lucie Kalášková
Estonia	Agriculture and Food Board	Kärt Jaarma
Greece	Ministry of Rural Development & Food	Sokratis Perdikari
Hungary	National Food Chain Safety Office	Fanni Szabó
Iceland	MAST	Brigitte Brugger
Ireland	Department of Agriculture, Food and the Marine	Laura Garza Cuartero
Italy	IZSV	Calogero Terregino
Luxembourg	ALVA	Vicky Binck
Netherlands	NVWA	Marcel Spierenburg
Portugal	General Directorate for Food and Veterinary	Renata Carvalho
Slovenia	Administration of the Republic of Slovenia for Food Safety, Veterinary Sector and Plant Protection	Aleksandra Hari
Spain	MAPA	Elena García Villacieros
Sweden	SVA	Malin Grant
Switzerland	BLV	Christina Gut



# EARLY WARNING OF HPAI IN THE EU

## EFSA's Bird Flu Radar



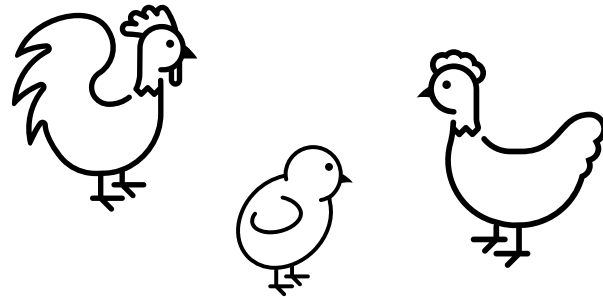
**Training session on**  
2<sup>nd</sup> March 2023, 10:00-11:00 CET

Please send an email to  
[lisa.kohnle@efsa.europa.eu](mailto:lisa.kohnle@efsa.europa.eu)

# EARLY WARNING OF HPAI IN THE EU

## What next?

- Embedment of risk maps as additional layers in the tool
- Selection of geographic area of interest and probability threshold to trigger alerts
- Improvement and validation of models
- Extension of the range of wild bird species
- Estimation of the risk of introduction and establishment in poultry





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