



EMPRES

Global Animal Disease Information System

INFORMATION INTELLIGENCE INTERVENTION

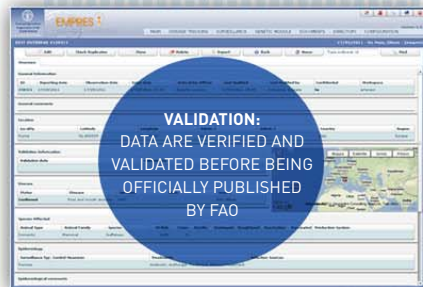
INTEGRATED TOOL FOR
EARLY WARNING, RESPONSE
AND ANIMAL DISEASE CONTROL

EMPRES Global Animal Disease Information System (EMPRES-i) is a web-based application that has been designed to support veterinary services by facilitating regional and global disease information. Timely and reliable disease information enhances early warning and response to transboundary and high impact animal diseases, including emergent zoonoses, and supports prevention, improved management and progressive approach to control. EMPRES-i contributes to the joint FAO/OIE/WHO Global Early Warning and Response System for major transboundary animal diseases, including zoonoses (GLEWS).

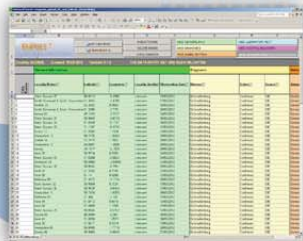
DATA ENTRY: DATA ARE ENTERED MANUALLY
(COMPUTER AND/OR MOBILE PHONE)



MOBILE PHONE APPLICATION
TO PROVIDE AND/OR ACCESS
DISEASE OUTBREAK INFORMATION



VALIDATION:
DATA ARE VERIFIED AND
VALIDATED BEFORE BEING
OFFICIALLY PUBLISHED
BY FAO



AUTOMATED DATA UPLOAD:
A SPECIAL EXCEL FILE APPLICATION FACILITATES
THE UPLOAD OF LARGE AMOUNTS OF DATA INTO
THE SYSTEM

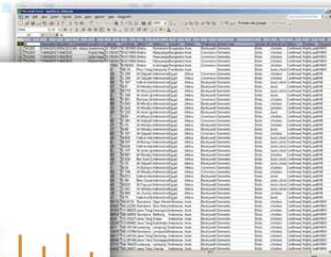
MY EMPRES-I:
USER PREFERENCES SET UP FOR DIFFERENT SECTIONS
INCLUDING DISEASE OUTBREAKS (BY SELECTING A
DISEASE, A PERIOD AND A GEOGRAPHICAL AREA), CVOs,
LABORATORIES AND NEWSLETTERS.

INTERACTIVE MAP:
ACCESS TO EPIDEMIOLOGICAL AND LABORATORY
INFORMATION FROM AN OUTBREAK LOCATION



ADDITIONAL LAYERS:
LAYERS SUCH AS LIVESTOCK POPULATION
AND PRODUCTION, BIOPHYSICAL,
SOCIO-ECONOMIC, ANIMAL HEALTH STATUS
OR TRADE (FAO - GLIPHA)

ANALYSIS TOOL:
DATA IS PRESENTED IN TABLES, CHARTS OR
GRAPHS AND CAN EASILY BE DOWNLOADED IN CSV
OR XLS FORMAT FOR FURTHER ANALYSIS



<http://empres-i.fao.org>

THE DIFFERENT FEATURES OF EMPRES-i

DISEASE OUTBREAK MODULE

Provides updated information on global animal disease distribution and current threats at national, regional and global level on priority animal diseases. Disease data, such as information on suspicions and confirmation of outbreaks in livestock and wildlife species, laboratory results or follow-up reports on an outbreak situation, can be stored in a standardized format and are presented through a user-friendly and customizable interface.

AUTOMATED DATA UPLOAD

Customized spreadsheets with integrated validation functions facilitate the upload of large amounts of data.

GEOGRAPHICAL INFORMATION SYSTEM (GIS) MAPPING TOOL

Allows for visual presentation of outbreaks on maps and further exploratory analysis by choosing from a variety of optional layers such as livestock population and production, biophysical, socio-economic, animal health status or trade provided by FAOs Global Livestock Production and Health Atlas (GLIPHA).

ANALYSIS MODULE

Facilitates data presentation in tables, charts or graphs and according to different selectable

parameters for time, location, species or disease. Data can be easily exported as spreadsheets (CSV or XLS) and analysis outputs as pictures.

DIRECTORY

Provides contact details of national veterinary laboratories, Reference Laboratories, FAO Reference Centres and contact details of Chief Veterinary Officers (CVOs).

MOBILE PHONE APPLICATION

To share animal disease information in real time from the field. Available for smartphones (Android and Blackberry).

UPCOMING FEATURES

DISEASE SURVEILLANCE MODULE

To collect and display information on active animal disease surveillance from FAO projects and joint projects with partners.

GENETIC MODULE FOR INFLUENZA

To integrate genetic data from virus sequences stored in open databases, such as the OpenFlu database for animal influenza viruses hosted by the Swiss Institute of Bioinformatics (<http://openflu.vital-it.ch/browse.php>)