

**Title:** Global Foot-and-Mouth Disease database  
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**Description:** *Background:* The EUFMD Commission has maintained a very basic database on the global situation with FMD reporting, for the purposes of producing updated reports for EUFMD Commission Sessions and for maps of reported FMD for the EUFMD web-site.

*Objective:* The FMD database will be maintained by EUFMD to assist EUFMD members, in risk assessment and in tracking the performance of reporting systems on FMD. The intentions are to further develop the utility of the database by:

1. updating from official reports on a regular (2 week) basis
2. mapping of official country status including disease free zones
3. increasing the information available; incidence by country over time, incidence per animal population at risk, changes in incidence compared to long term expectation
4. development of an expert system for predicting incidence of infection by animal production system, risk of national and international spread, and local persistence of outbreaks for any location
5. assisting the priority setting of international disease control measures through development of semi-quantitative tools for assessing risk associated with circulating FMDV antigenic types
6. assisting the development of priority setting tools for international FMD control actions through providing information or data that assists impact assessment of control actions

Note that 4, 5 and 6 require significant additional resources to develop, but the joint development of these with partners in FAO (and where required outside) are longer terms objectives of the EUFMD Commission. Assistance to develop interactive (for users) facilities that link the FMD maps with other relevant FAO or other GIS coverages is highly desired.

*Beneficiaries:* Decision makers in animal health - globally.

*Outputs:*

- Produce maps of reported FMD at the country level, by FMD type where known, updated every 2 weeks from the reports to the OIE and to FAO.
- Interactive, on-line database on FMD incidence over time.
- On line expert systems for estimating disease incidence, transmission risk, impact of trade related animal movements etc.