



The Electronic Laboratory Information Tracking Environment technology system.

ELITE TECHNOLOGY

The ELITE technology pairs a Laboratory Information Management System (LIMS) supporting daily laboratory operations with a biosurveillance module for monitoring, reporting and analyzing tracked test results for program diseases such as Foot and Mouth Disease (FMD). The LIMS is an extensible information management system supporting the full workflow of the diagnostic testing process, from sample receipt through reporting of results. The system can be configured to support numerous custom test types, test procedures, laboratory workflows, forms and reports, and hardware/network infrastructure, and can be defined locally or distributed throughout a network of laboratories. ELITE combines the flexibility of supporting numerous testing protocols and work practices while ensuring consistent structured data entry by laboratory staff and throughout a laboratory network.

The biosurveillance capabilities of ELITE fully integrate with the LIMS and automatically detect and report program disease cases to a central tracking server. The server provides enhanced visualization and analytical tools for working with the tracked testing data. Designed to function under complex real-world conditions, ELITE can withstand intermittent network access and power instability both within individual laboratories and between laboratory network nodes.

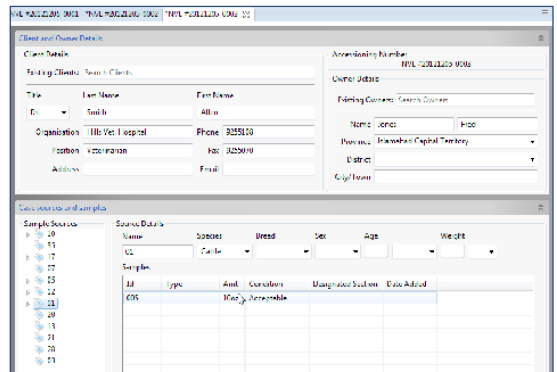
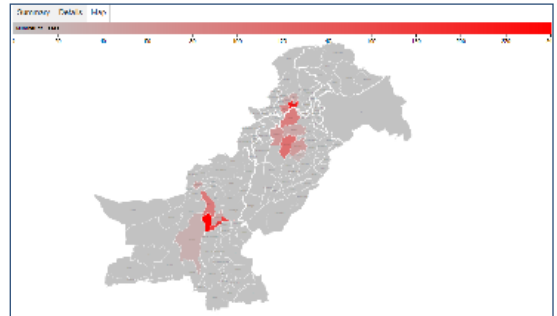
SUCCESSSES

Working in close collaboration with the Food and Agriculture Organization of the United Nations (FAO) and the U.S. Department of Agriculture Foreign Agricultural Service, the ELITE technology is currently being piloted in Pakistan within both the National Veterinary Laboratory and the provincial laboratory network.

ELITE provides data collection, management, and reporting capabilities to support the day-to-day testing performed by these individual laboratories, national tracking and sharing of aggregated program specific disease data across the entire network. This system is a key component to the strategy that FAO is developing for the progressive control of FMD.

ELITE provides an integrated technology solution that:

- Streamlines information flow within and between diagnostic laboratories.
- Allows for sharing of standard operating procedures with lab personnel.
- Enhances biosurveillance reporting, analysis, and monitoring.



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