HealthNet
AgConnect

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Mobile technology for animal health management and early disease detection.

THE CHALLENGE

Data collected by producers and veterinary practitioners includes production level data, clinical veterinary observations from surveillance related applications and diagnostic laboratory testing results. Combining these diverse and disparate animal health data allows for an enhanced understanding of disease status where changes over time can be monitored - ultimately helping with detection and mitigation of disease spread. Such timely information allows animal health officials and private practitioners to respond more quickly and make more informed decisions.

THE SOLUTION

The Institute for Infectious Animal Diseases, in partnership with the Texas Center for Applied Technology, a part of the Texas A&M Engineering Experiment Station, developed AgConnect® HealthNet - a platform for use by industry and analysts for monitoring and managing animal health related information.

AgConnect® HealthNet provides a web-based solution for visualizing and analyzing animal health and production-related data. By providing visualization and analysis of the integrated data in a tabular, geospatial, temporal and graphical fashion, AgConnect® HealthNet allows for an enhanced view of current conditions and supports overall situational awareness of a disease. In addition to being used to support biosurveillance and phylogenetic analysis, It can be used for monitoring disease spread across a production system or analyzing changes in disease status across a region or state. AgConnect® HealthNet also provides capabilities to visualize integrated data, access search tools for data navigation and for monitor disease trends and prevalence within a region. The system can support the estimation of baselines as well as identification of anomalies.

FEATURES AND BENEFITS

- Collects data from participating veterinarians/field users, diagnostic laboratories, production companies and other data providers in near real-time

- Allows for data analysis to evaluate data changes in the spatial, temporal and clinical presentations of disease in animal populations that may signal an emerging disease concern or changes in endemic disease status

- Shares data with participating veterinarians and permissioned industry stakeholders in a secure, non-identifying format to enhance situational awareness and improve management at farm and industry levels.

- **Improves business practices**
- **Supports animal and herd health management**
- **Strengthens early detection of disease**
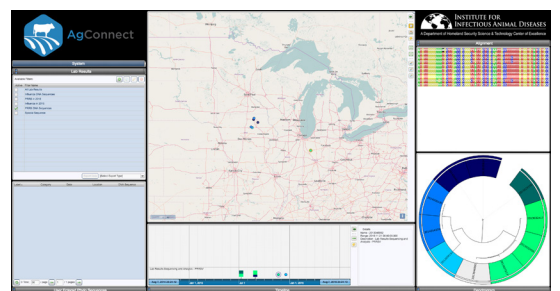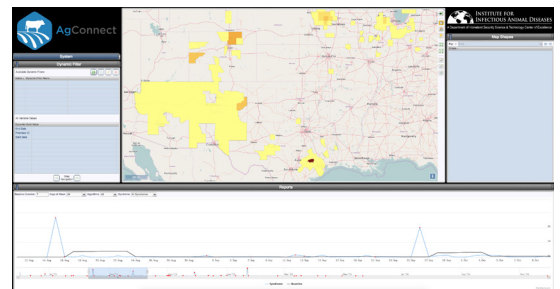
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