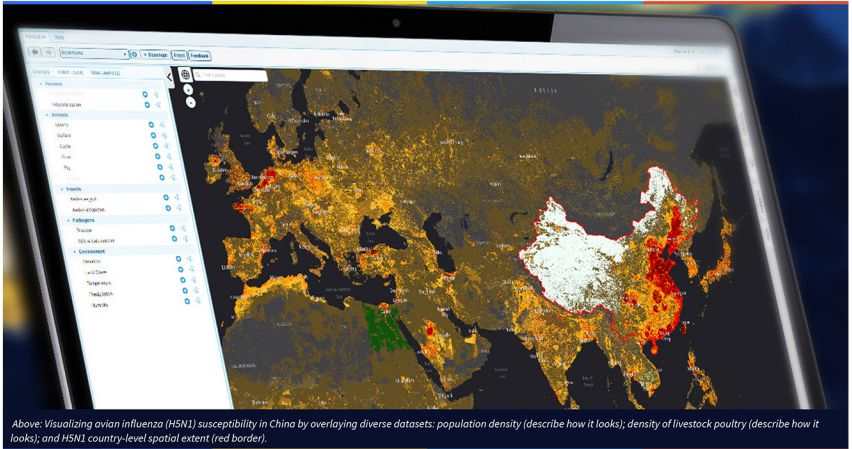




BIOMOSAIC



A Tool for Global Health Security

BioMosaic provides analysts with situational awareness of public health threats, facilitates rapid geospatial analyses, and enables decision makers to use generated knowledge quickly and effectively.

Timely and accurate information is essential to predict, identify, and respond to public health problems. Through the Division of Global Migration and Quarantine (DGMQ) at the Centers for Disease Control and Prevention (CDC), and BlueDot Inc.'s joint initiative, BioMosaic was created to address this need. BioMosaic is a web application that

integrates different types of data from a variety of sources that can be layered to create a mosaic depicting dynamic and interconnected disease predictors and patterns. BioMosaic enhances the ability of an analyst without specialized GIS expertise to interpret and present these data rapidly and in visually intuitive ways.

BIOMOSAIC FEATURES OVER 94 DIVERSE DATA LAYERS AND 6 MODULES, WHICH CAN BE COMBINED AND VISUALIZED ON ONE UNIFIED PLATFORM.



TRANSPORTATION NETWORKS AND IMMIGRATION PATTERNS

E.g. global air travel, U.S land border crossings, etc.



ENVIRONMENTAL CONDITIONS

E.g. vector populations, climate, land cover, animal populations, etc.



HEALTH DATA

E.g. disease prevalence, health care infrastructure, vaccination coverage, etc.



DEMOGRAPHIC DATA

E.g. population, sociodemographic characteristics, etc.

