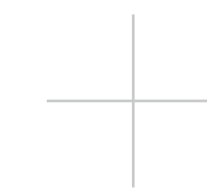
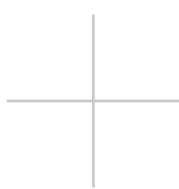




Vibrio cholerae



IN ACTION

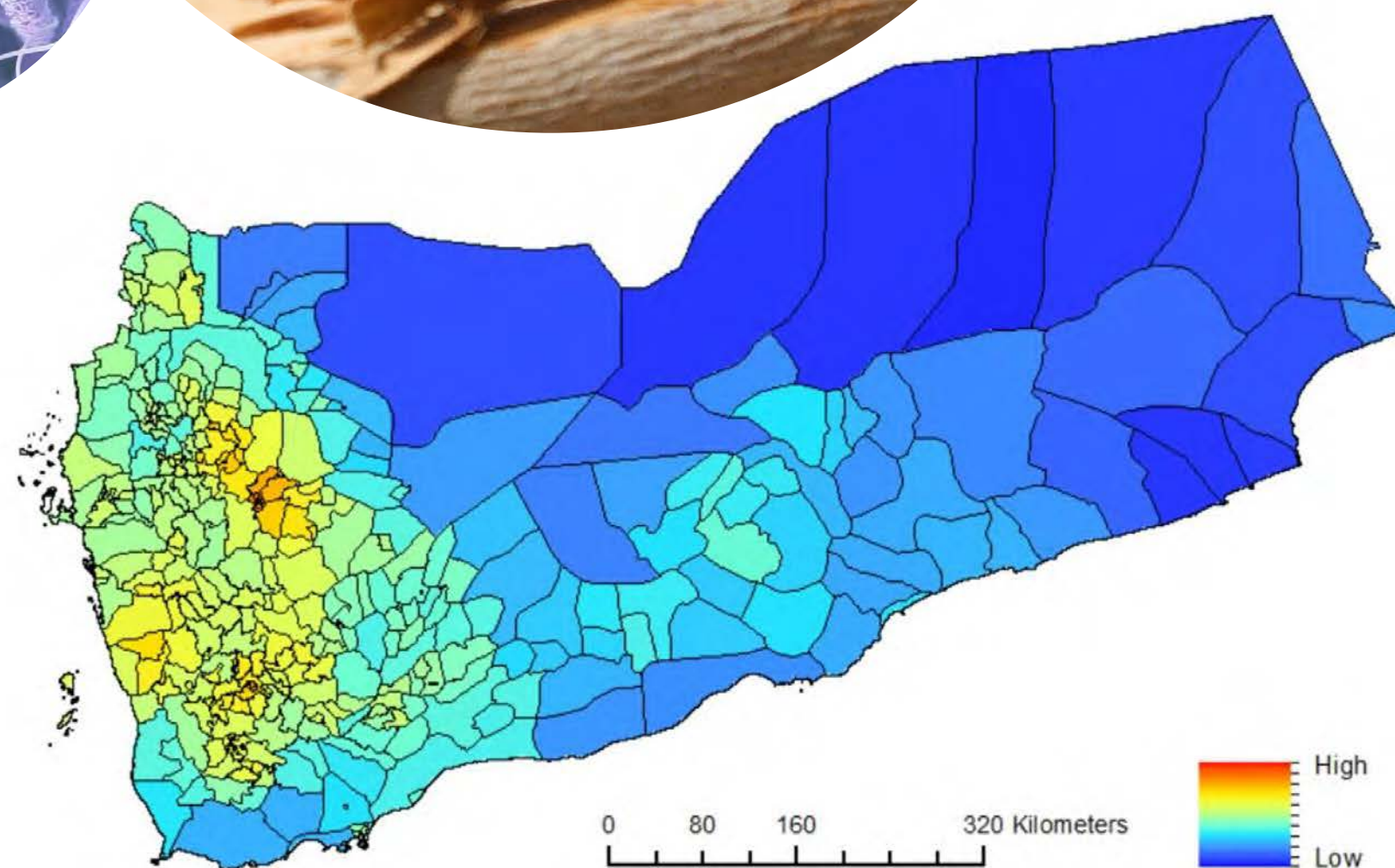
TOPIC / Cholera is a potentially deadly diarrheal disease from ingesting food or water contaminated with the bacterium *Vibrio cholerae*.

PROBLEM / Public health officials generally rely on epidemiological data to identify potential at-risk areas for cholera in Yemen. Integration of environmental, climatic and sociological processes can provide accurate cholera risk forecasting.

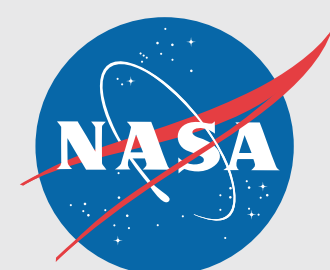
SOLUTION

Risk maps developed through NASA support now incorporate satellite-observed precipitation and ocean color measurements, more accurately forecasting cholera risk four weeks in advance to help guide public health alerts and resources for affected communities.

From wildfire smoke and air quality to diseases like cholera, NASA Earth observations can show the connections between environment and public health.



Yemen County Cholera Risk August 10–September 6, 2020



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