

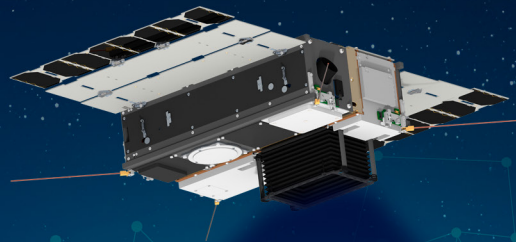


VISIONA
Space Technology



FIGHT AGAINST DENGUE, YELLOW FEVER, CHIKUNGUNYA AND ZIKA

ADVANCED TECHNOLOGY ALLOWS
TO PREDICT RISK AREAS UP TO
FOUR WEEKS IN ADVANCE

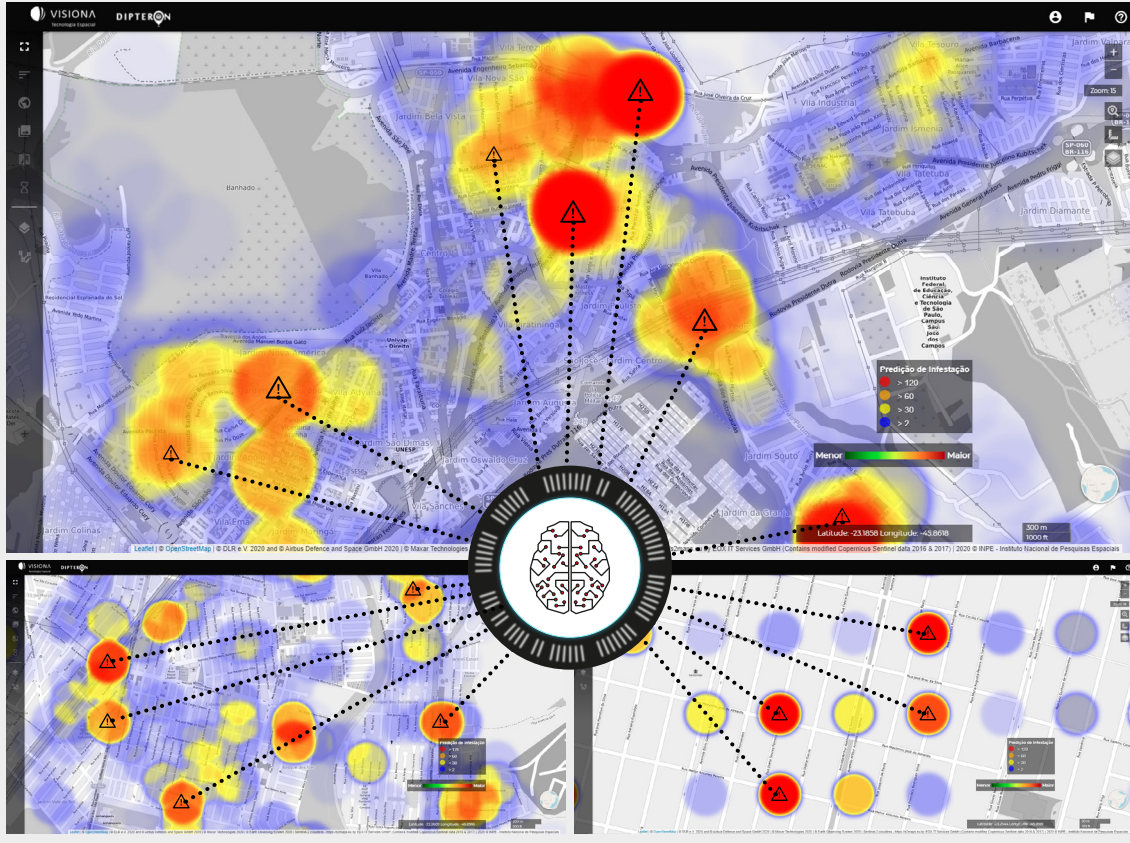


EARLY IDENTIFICATION OF Aedes MOSQUITOES RISK AREAS

According to the World Health Organization, 3.9 billion people at risk of dengue viruses and more than 390 million are infected per year in 129 countries.

Concerned about this growing phenomenon, the Brazilian company Visiona Space Technology established a partnership with the German company DIPTERON UG which has developed an artificial intelligence system that analyses historical cases, larvae density and climatic variables from previous years to represent spatially the new critical areas for the presence of Aedes mosquito.

The algorithm spatializes a heat map within the WebVis of Visiona's geospatial intelligence platform and shows precision data that could assist the municipality in its decision-making process.



WebVis Platform - Spatialization of possible Aedes mosquito outbreaks

The prediction of infestations is made with high accuracy and up to four weeks in advance, which makes the tool essential for the implementation of preventive actions against Dengue, Yellow fever, Chikungunya and Zika.

The identification of risk areas, the history of cases and the measurement of the level of risk in each area helps identify the population at risk, create assertive actions by the Municipality in optimizing the time of the health teams as well as decrease the number of new infections and deaths.



ABOUT DIPTERON

German company specialized for developing an application for detecting risk areas of Aedes mosquito using remote sensing satellite services and artificial intelligence techniques. The company holds international awards, was selected for the business incubation program of European Space Agency (ESA) and the European Union business acceleration programs. The company has its headquarters in Darmstadt, Germany and was founded in 2018.



Visiona Space Technology
All Rights Reserved - August/2022 - Illustrative Images.
Visiona's reserves the right to change the information in this material without prior notice.
Tel.: +55 (12) 2138.5801
www.visionaespecial.com.br

