

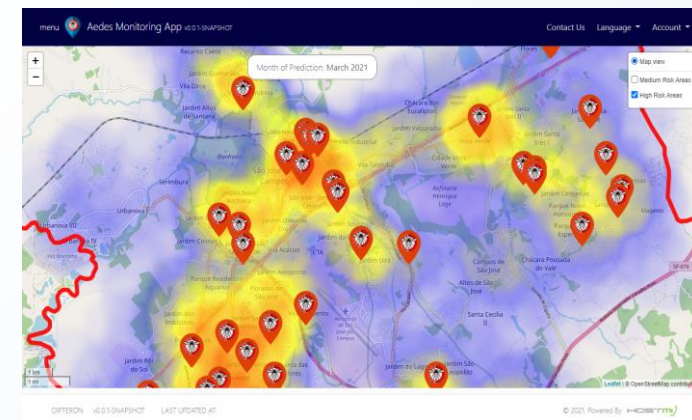
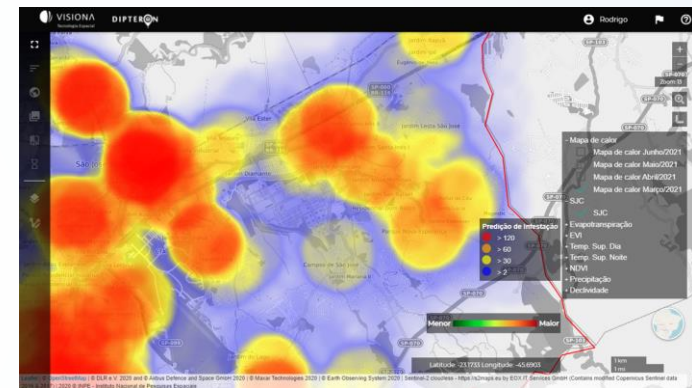
# EO services contributing to SDGs

## DIPTERON: Detection of Aedes Mosquito Risk Areas



- User: Health authorities
- Challenge/Needs: Prevention and control of *Aedes* mosquito diseases such as Dengue, Zika and Chikungunya
- Initiative: Detecting risk areas using AI predictions. Application based on artificial intelligence that combines satellite data from earth observation and terrestrial data. Produces a prediction model of 4 weeks in advance for outbreaks of Dengue, Zika or Chikungunya providing risk areas for these diseases
- Results: Contribute to monitor and report outbreaks of Aedes mosquito diseases with an early warning system (fast, accurate and inexpensive). The direct impact is the reduction of economic losses in global health systems since governmental and non-governmental organizations can use the application for mitigation actions. At present the application has 85% of accuracy for detecting risk areas
- Service Provider: DIPTERON UG

Target 3.3.: By 2030, end the epidemics of AIDS, tuberculosis, malaria and neglected tropical diseases and combat hepatitis, waterborne diseases and other communicable diseases



Figures showing DIPTERON tool for the assessment of diseases