GEO WEEK & MINISTERIAL SUMMIT 2023

FLASH TALK

#TheEarthTalks

science & innovation
Department:
Science and Innovation
REPUBLIC OF SOUTH AFRICA

GEO WEEK 2023 MINISTERIAL SUMMIT

GEO GROUP ON EARTH OBSERVATIONS

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Malaria Infection Prediction Early Warning System in South Africa

06.11.2023 11:50

Swadhin Behera

JAMSTEC, Japan

Erik Mabunda

TMC, South Africa

Neville Sweijd

ACCESS, South Africa

Development of iDEWS for malaria early warning system in Limpopo

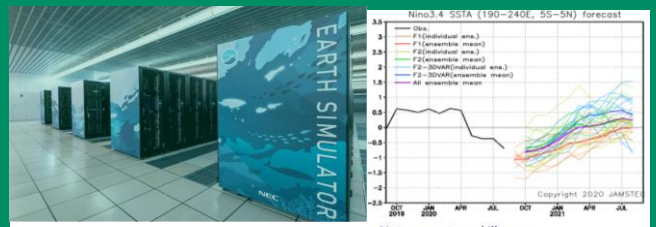
The concept of iDEWS with climate information

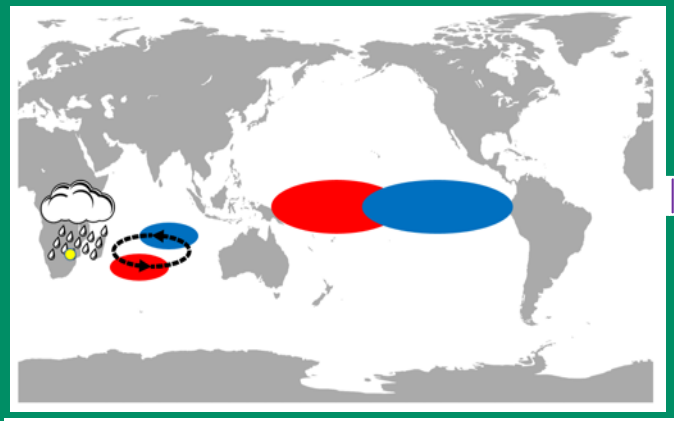
Advanced data science in the making of an early warning system

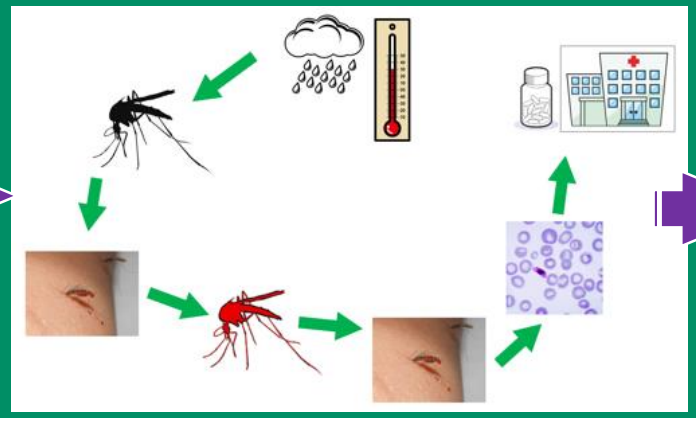
A shift in traditional approaches to mitigate malaria outbreaks through the system

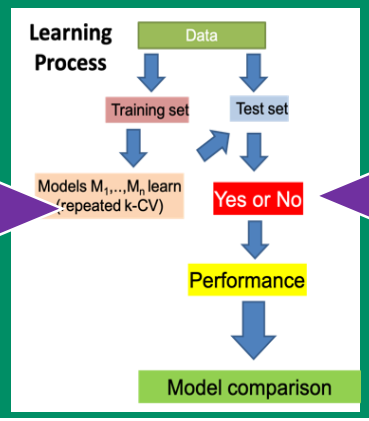
Enhancing the scope of the early warning system by building the iDEWS bureau

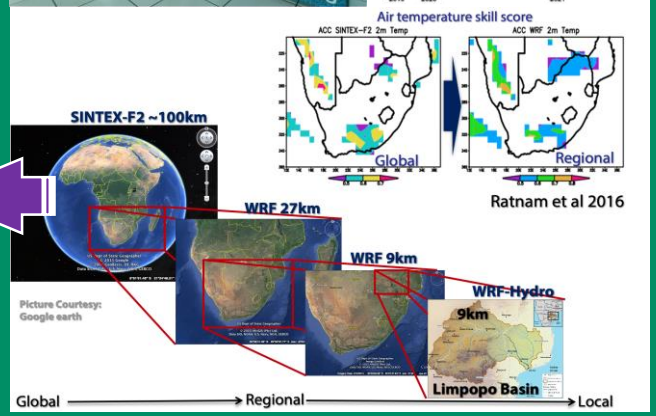
By discovering unique climate links to malaria cases, using advanced computer simulations and AI/ML scientists developed the state of the art malaria prediction system used in the early warning system

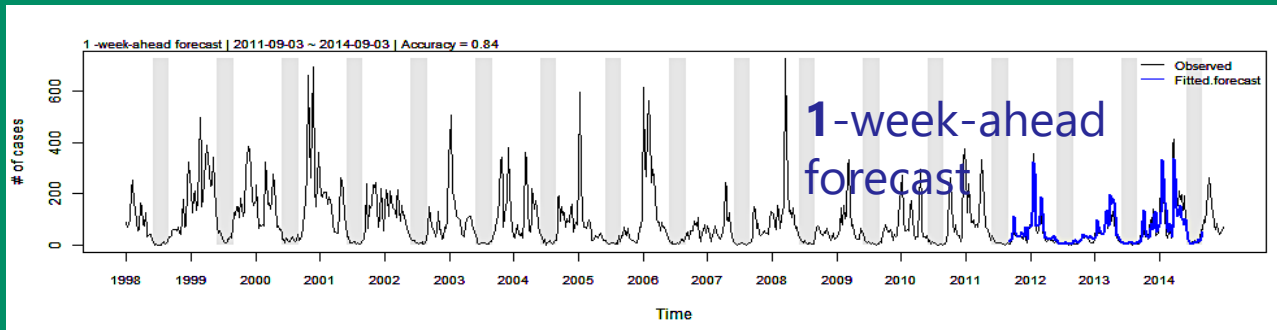


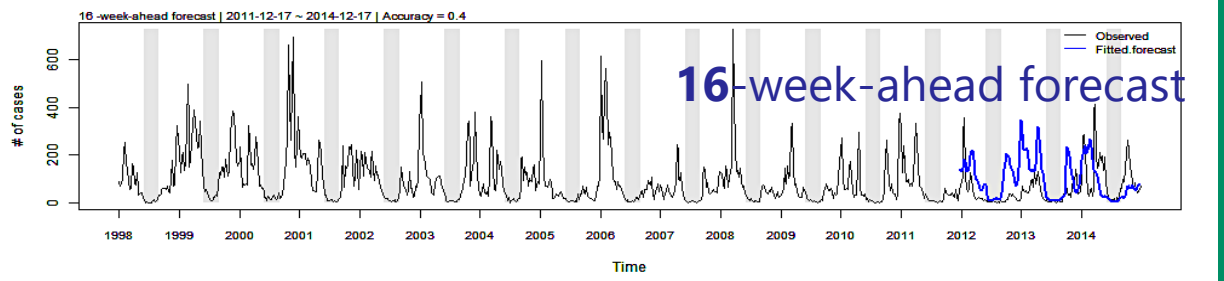








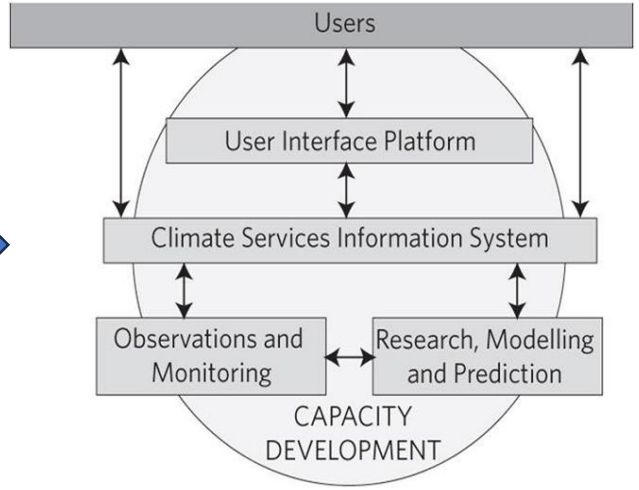




Climate and Health: A growing discipline requiring trans-disciplinary expertise.

National Adaptation Plan in South Africa explicitly recognizes the value of Malaria EWS.

National Framework for Climate Services identifies Health as a key focus sector.



Partners and Affiliations

iDEWS Bureau

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6-10 NOVEMBER

CAPE TOWN, SOUTH AFRICA

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