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Using Earth Observations to Strengthen One Health Collaborations

May 14, 2020
“To raise new questions, new possibilities, to regard old problems from a new angle, requires creative imagination and marks real advance in science”
(Albert Einstein)

Credit: Clipart Panda, 2019: http://www.clipartpanda.com
“One Health” Concept

“Collaborative, multisectoral, and trans-disciplinary approach—working at the local, regional, national, and global levels—with the goal of achieving optimal health outcomes recognizing the interconnection between people, animals, plants, and their shared environment”

CDC: https://www.cdc.gov/onehealth/basics/index.html
Using Satellite and Ground-based Data to Develop Malaria Risk Maps (Peru)

PI Dr. William Pan (Duke University)

NASA Land Data Assimilation System (LDAS) data sets (precipitation, soil moisture, air temperature, humidity) are combined with public health data.

Improving Health Decision-Making Using Environmental Observations

Global network of governments, organizations, and observers, who seek to use Earth observation data to improve health decision-making at the international, regional, country, and district levels.

Teleconferences on Earth Observations and COVID-19: A Virtual Round the Room Update

GEO Health Community of Practice: http://www.geohealthcop.org