

IAF EARTH OBSERVATION SYMPOSIUM (B1)
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MONITORING OF HUMAN SETTLEMENTS IN ECOLOGICAL RESERVES OF MEXICO CITY
WITH SENTINEL 2A PROCESSED IMAGES.

Abstract

Mexico City is one of the largest cities and overpopulation in the world significant pollution.

There are few ecological reserves in Mexico City, many of them have already been damaged by urban sprawl and there are no official government data for all these human settlements that are expanding

Sentinel 2a near-infrared and NDVI can help to analyze the specially ecological zones of San Gregorio where urban sprawl has been unleashed in recent years.

Using ground data georeferenced some places to check the satellite information and ground information will be built models to mitigate and prevent more damage in protected areas has being consumed by overpopulation and its consequences.