

GEE L8 OLI + MODIS\_Aqua

Start

Raw Data Acquisition



Client PC

 Secure Connection via

Raw Img. Collections

cccclkmlmlmlmlcmllCcmkclmCollectiooinson

**security shell (ssh)**

Study Area Delineation

Image Filtering

Upload *in-situ* data to microcontroller



Raster Pre-Processing Above Surface Temp

-Radiometric Corrections Lake Surface Temp

-Surface Reflectance BOA

In-Situ Data **>** Temp. Threshold

Spatio-temporal Image Fusion

Image Analysis



Chl-a & Cyanotoxins Detected

Initiate an alert text SMS

