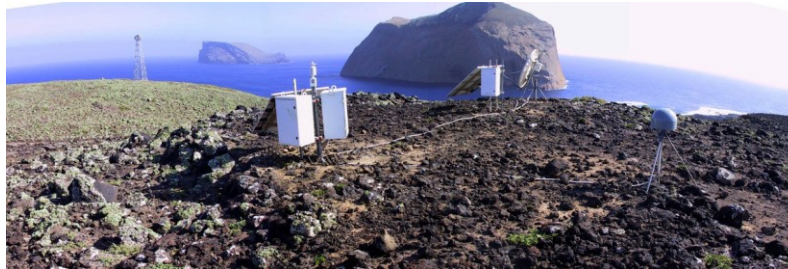


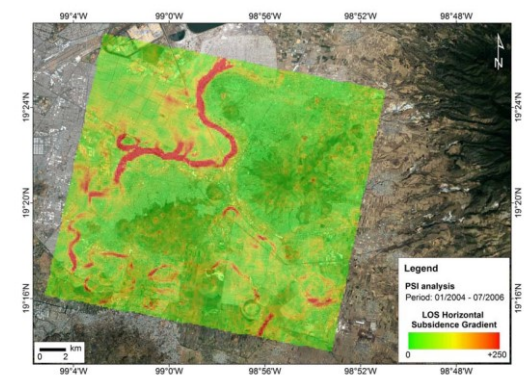
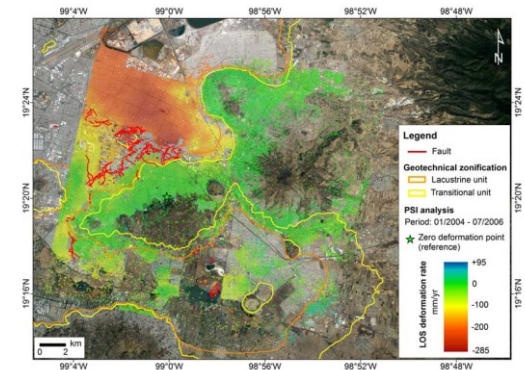
# Enrique Cabral Cano

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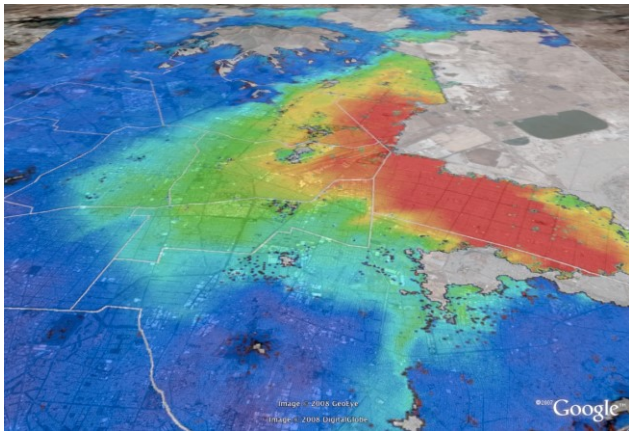
*GUAX GPS station, Isla Guadalupe, Mex.*



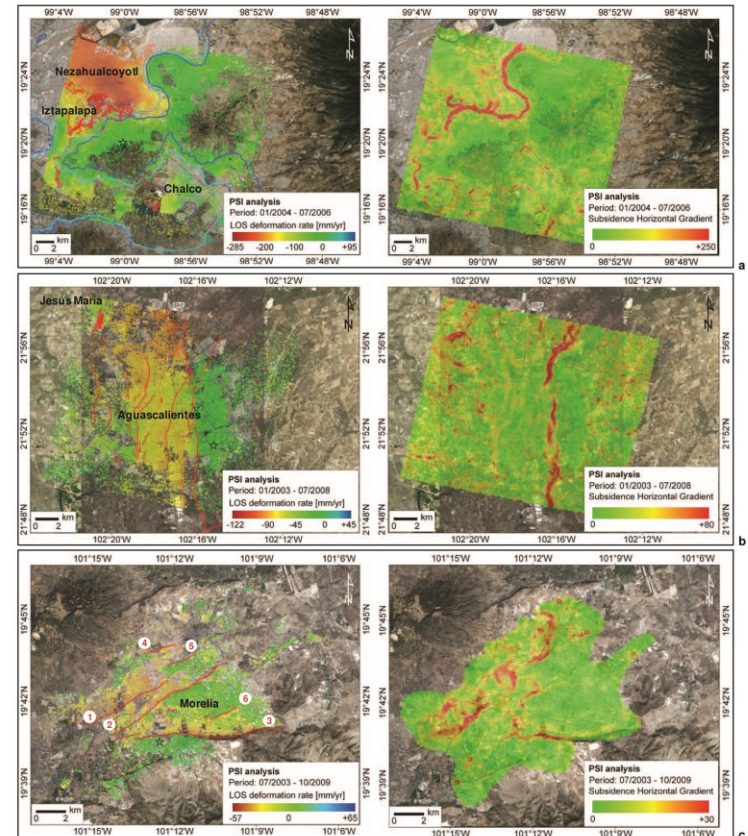
# Research interests:

## 1. Urban ground subsidence cartography

Application of InSAR and GPS techniques for urban subsidence risk analysis



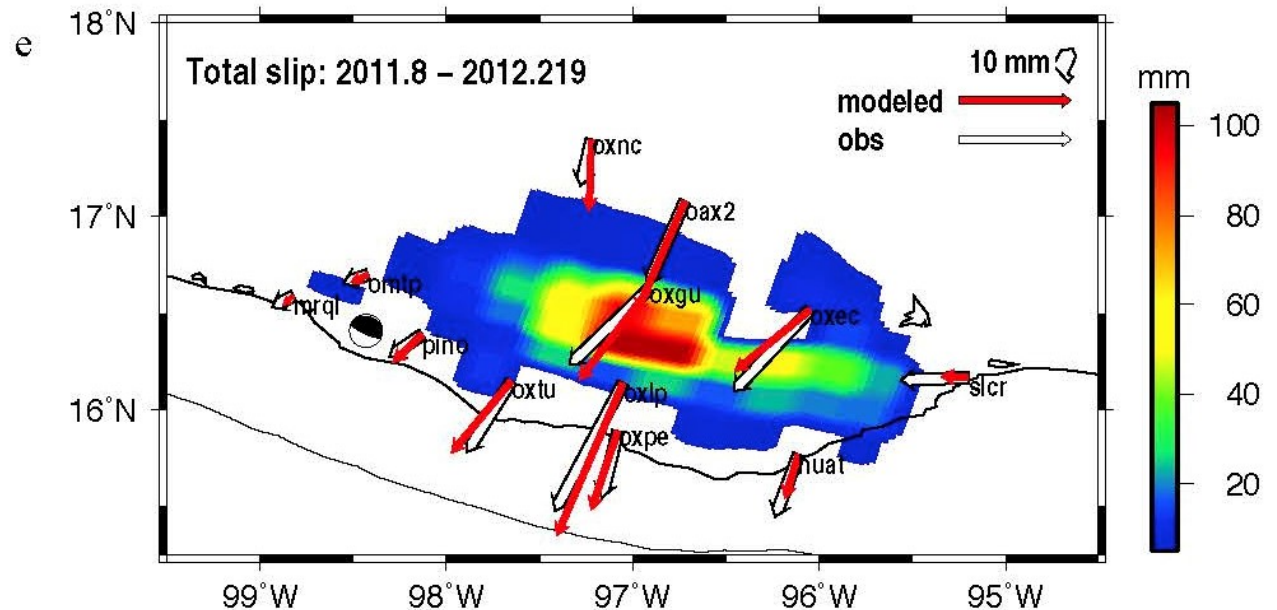
*Oblique view of Mexico City subsidence velocity*



*Subsidence and horizontal gradient maps in México City, Morelia and Aguascalientes (Cigna et al. RSE, 2011)*

## 2. Subduction processes

Use geodetic data to study geodynamics on the Mexican Subduction Zone.



Total coseismic displacement (Oct 2011-Mar 2012) from GPS stations and best fit slip distribution model from the M7.4 Oaxaca earthquake, Mexico. March 20, 2012. Graham et. al., 2016.



# 3. Development GPS observational infrastructure

Observational geodesic and atmospheric infrastructure for real time monitoring.  
Integration with GPS networks in North (PBO) and Central America/Caribbean (COCONet).

TLALOCNet GPS-Met network

[\*\*http://cardi.geofisica.unam.mx/tlallocnet\*\*](http://cardi.geofisica.unam.mx/tlallocnet)

Data archive:

[\*\*http://tlallocnet.udg.mx\*\*](http://tlallocnet.udg.mx)



*TNNX station , Nochixtlán, Oaxaca.*



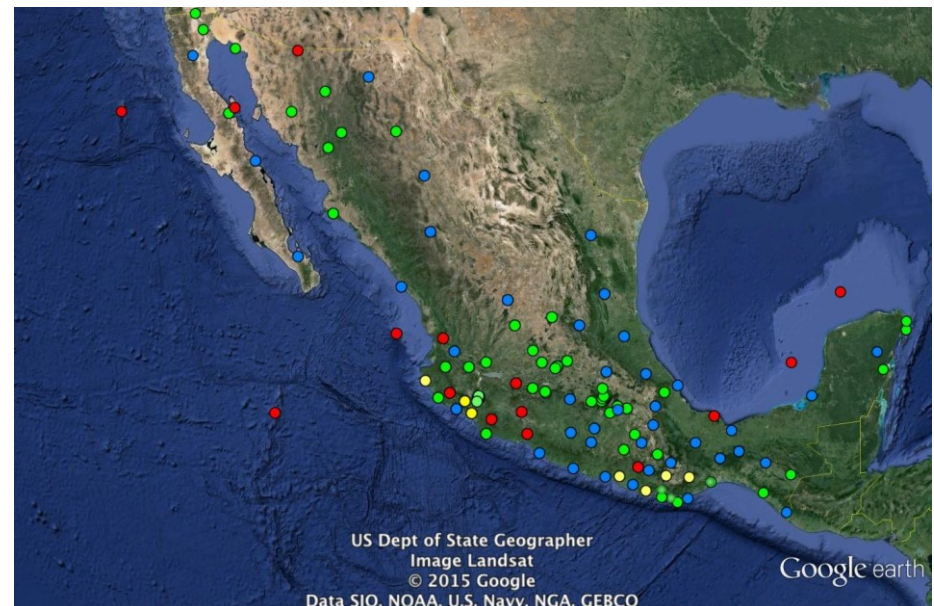
TLALOC net

[The TLALOCNET GSAC data center](#)

For all site and data queries click [here](#)



Green (TLALOCNet) and blue (PBO-Mex and COCONet-Mex) dots show the locations of GPS stations that are available through this repository. Cyan and yellow dots are TLALOCNet contributed sites which will also be available soon. Red and orange dots are sites which are planned for installation during 2015.



TLALOCNet, current and planned installations 2017-2018.

## Seeking potential collaborations on:

- Expert systems guiding early warning systems based on real time GPS positions.

*Applications on:*

*Tsunami, seismic magnitude estimation and slip distribution.*

- Pattern detection on InSAR based velocity displacement maps.

*Applications on:*

*Ground subsidence hazard assessments.*