

# A plan for Mexico, Central America and the Caribbean

Efforts towards monitoring  
the North-American geoid.



**INSTITUTO NACIONAL  
DE ESTADÍSTICA Y GEOGRAFÍA**

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# INEGI – IPGH initiative



- **Project proposal:**  
Central-America's regional geoid.
- **Objectives:**  
Dialog towards a standard geoid model,  
Detection of opportunities to perform international collaboration,  
Technology transfer: theory and tools for geoid modeling,  
Obtaining a regional model,
- **Invited countries:**  
Guatemala, Belize, Haiti,  
Costa Rica, Honduras,  
El Salvador, Panama,  
Colombia, Dominican Republic.



# INEGI – IPGH initiative



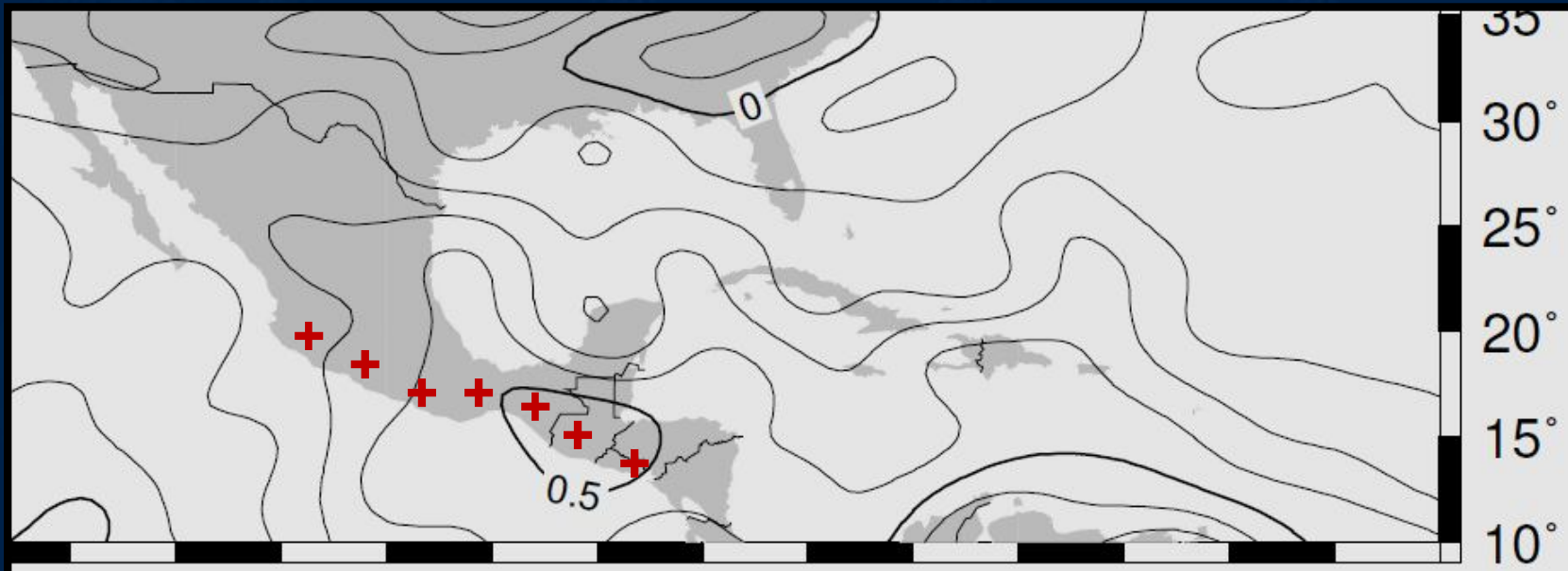
- Methodology:
  - ( 2011 ) Regional diagnosis and theoretical workshop,
  - ( 2012 ) Coordinated data acquisition and practical workshop,
  - ( 2013 ) Distributed geoid compilation and  $dN/dt$  estimations.
- Financial support from IPGH is to be confirmed.

# Geoid monitoring

- Towards improving the first order gravimetric network, INEGI can use new absolute  $g$  observations for:
  - a) assessment of current network consistency,
  - b) detecting regional biases,
  - c) anchor points for a future national adjustment,
  - d) monitoring time variations.

# Geoid monitoring

- Absolute gravity sites suggested:
- $dN/dt$  (D.Milbert).



***Porque proporcionamos información para todos...***

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**¡México cuenta con el INEGI!**



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