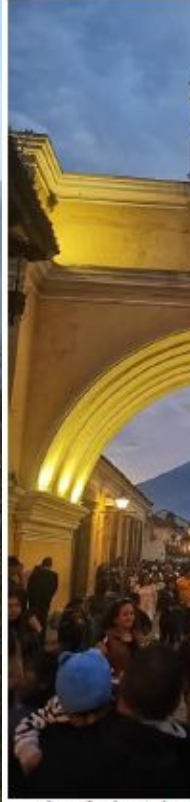
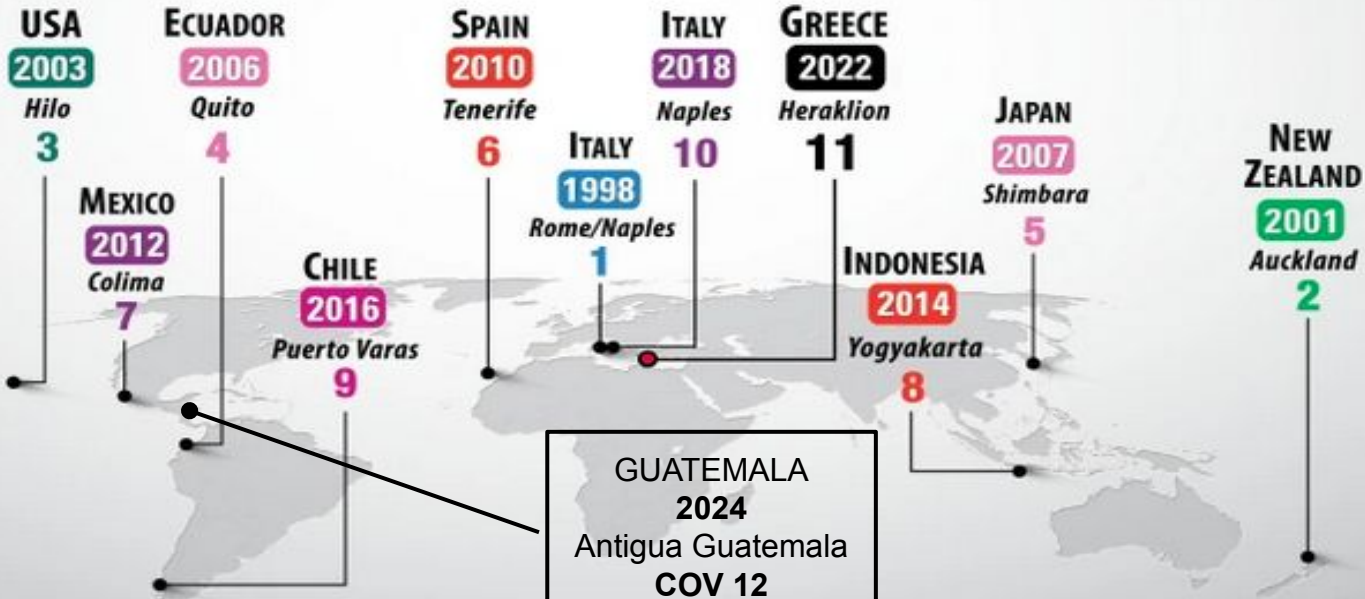


Cities on Volcanoes

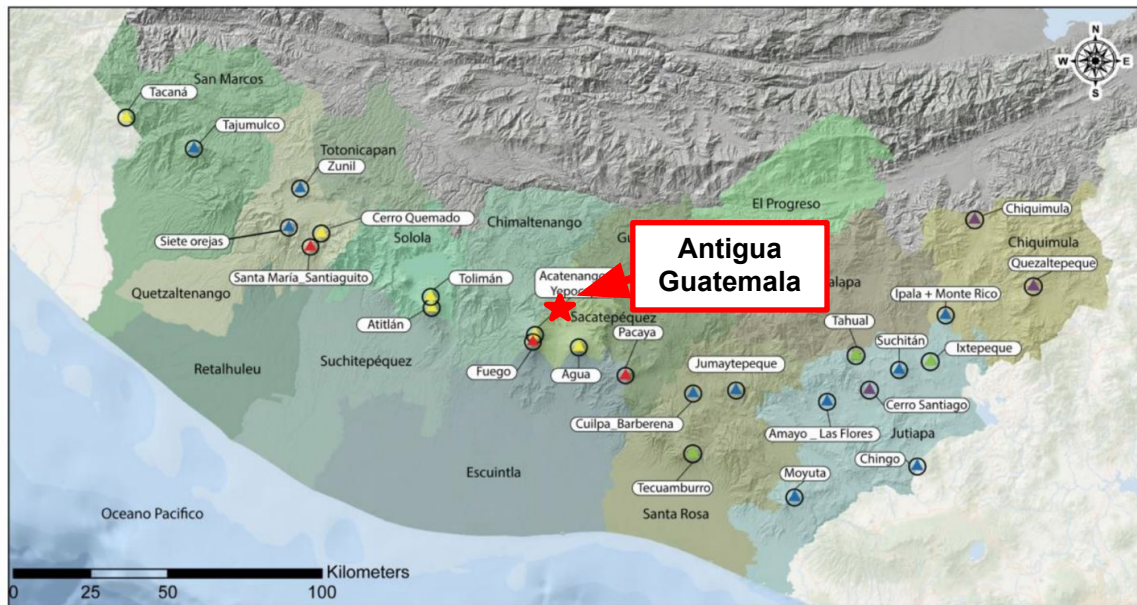
Antigua Guatemala, 11- 17 February 2024



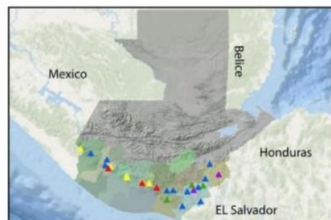
CITIES ON VOLCANOES



VOLCANOES IN GUATEMALA



- 43 volcanic systems
- 25 active volcanoes
- Ranking according to threat level:
 - **3 volcanoes** in the very high threat group
 - **6 volcanoes** in the high threat group
 - **16 volcanoes** in the medium, low and very low threat.



THREAT GROUPS

	VERY HIGH
	HIGH
	MODERATE
	LOW
	VERY LOW

Volcanic Complex Santa Maria - Santiaguito (1902, 1929, 2014 - 2016)

Considered highest volcanic threat according to rankings

- ❑ Peléan.
- ❑ Dacite dome complex.
- ❑ 2500 asl.
- ❑ VEI: 6 (Santa Maria)
- ❑ VEI: 3 (Santiaguito)
- ❑ Close to “El Palmar” and “Quetzaltenango” (Departamento de Quetzaltenango).
- ❑ 9 km from Quetzaltenango and 24 km from Retalhuleu.
- ❑ Expose population: 1,259,600 (< 30 km)



Fuego Volcano (1974, 2015-2018, 2021-2022)

Second highest threat according to rankings

- **Vulcanian.**
- **Stratovolcano.**
- **3763 asl.**
- **VEI: 4**
- **Located at: San Pedro Yepocapa (Chimaltenango), Alotenango (Sacatepéquez) y Escuintla.**
- **38 km from the Guatemala city and 17 km from Antigua Guatemala.**
- **Expose population: 1,016,339 (< 30 km)**



Pacaya volcano (2010, 2014, 2021)

Third most hazardous volcano according to rankings

- **Strombolian.**
- **Stratovolcano.**
- **2552 asl.**
- **VEI: 3**
- **23 km from Guatemala City.**
- **Exposed population: 2,454,482 (< 30 km)**

CENTURY XVII: HISTORICAL CONTEXT OF VOLCANOES, in GUATEMALA,



Ilustración 3.2
Corregimiento del Valle de Guatemala, detalle de la ciudad



Reproducido de "Recordación Florida: discurso historial, natural, material, militar y politico de el Reyno de Goathemala". Manuscrito depositado en el Archivo General de Centroamérica.

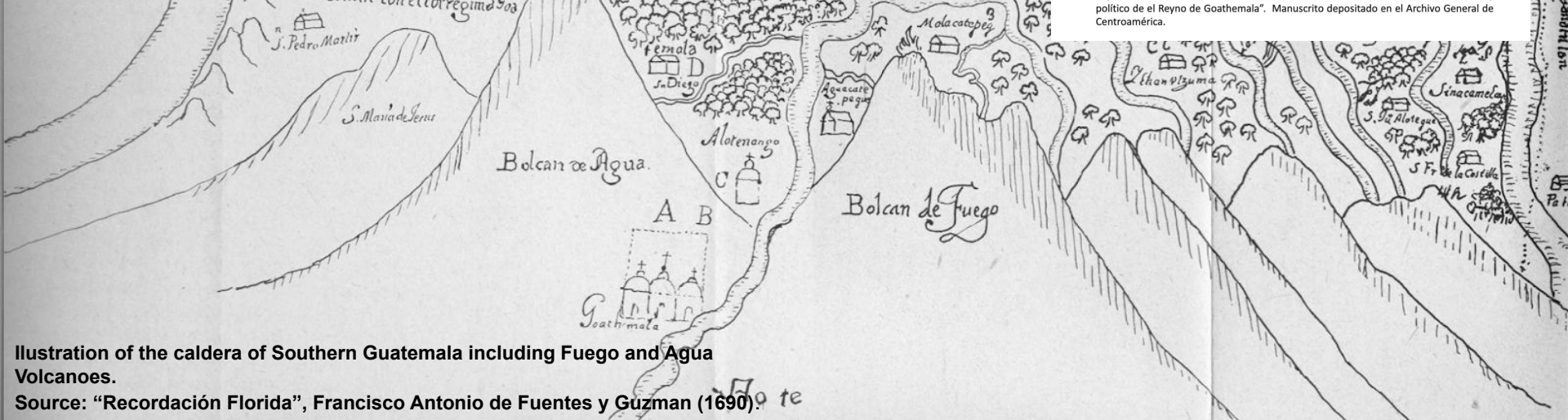


Illustration of the caldera of Southern Guatemala including Fuego and Agua Volcanoes.
Source: "Recordación Florida", Francisco Antonio de Fuentes y Guzman (1690).

MAPA DEL CVRATO DEL PATVLY.



Source: "Recordación Florida", Francisco Antonio de Fuentes y Guzman (1690).



LOCAL ORGANIZING COMMITTEE



**Ing. Geol. Carla Maria Chun
Q.
SSG, UMG Guatemala**



**Lic. Amilcar E. Roca
INSIVUMEH**



**William Chigna
CONRED**



**Armando Pineda
First Responder**



**Dra. Beatriz Consenza
ECFM, USAC**



**Ing. Agr. Juan Carlos
Rosito
URL**



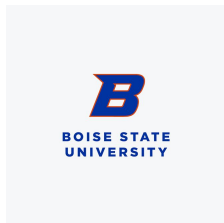
**Dr. Jeffrey Jhonson
Boise State University
USA**



**Dr. Rudiger Escobar Wolf
MTU, USA**

Partners:

- INSIVUMEH
- VDAP (USGS)
- Universidad Rafael Landívar(URL),
- Universidad Mariano Galvez(UMG),
- Escuela de Ciencias Físicas y Matemáticas,
Universidad de San Carlos(USAC)
- Boise State University(BSU)
- Michigan Technological University(MTU)
- Coordinadora Nacional para la Reducción de
Desastres SE-CONRED
- IAVCEI
- Asociación Latinoamericana de Volcanología.
- Universidad de Edimburgo, Escocia.



Michigan Tech



Universidad
Rafael Landívar
Tradición Jesuita en Guatemala

Welcome to Antigua Guatemala!

February, 11th to 17th 2024

First time bilingual and in Central America



Website:
cov12.org
Contact:

cov12antigua@gmail.com