



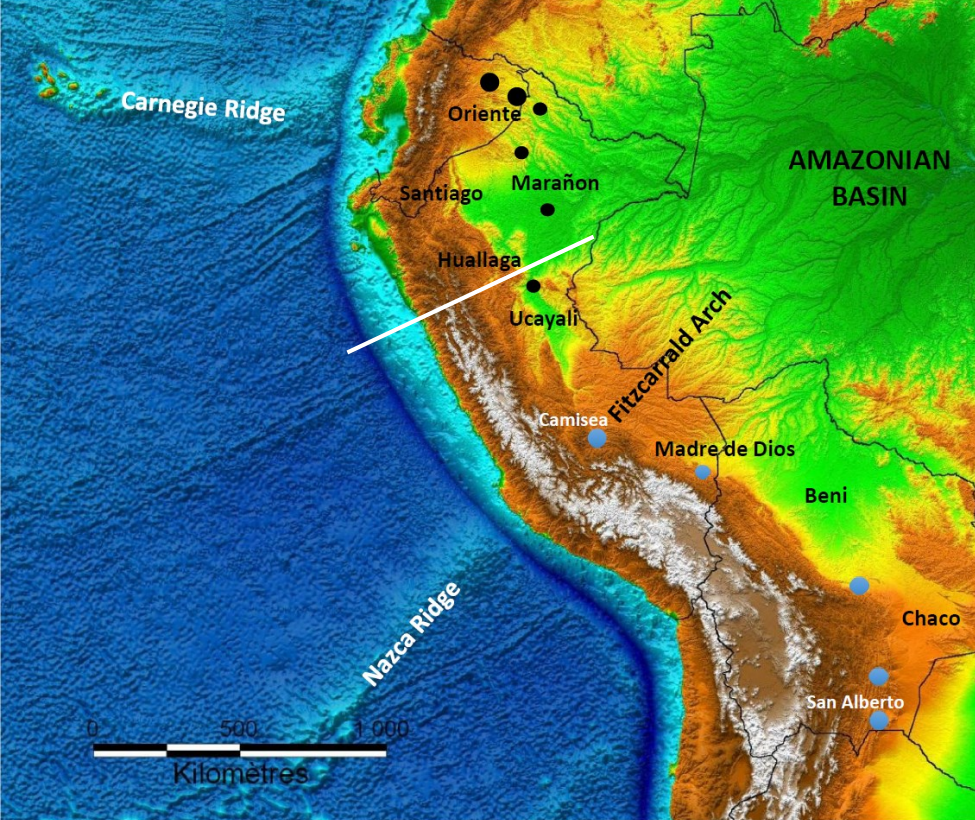
Control tectónico de los sistemas kársticos de Chachapoyas y Alto Mayo (Nor Perú)

Patrice Baby, Ysabel Calderon, Anthony Dosseto, Jean-Loup Guyot, Liz Hidalgo, Xavier Robert, Elvis A. Sánchez Chimpay, Juan Carlos Villegas, Willem Viven



Contact: patrice.baby@ird.fr

GEODYNAMIC SETTING



WSW

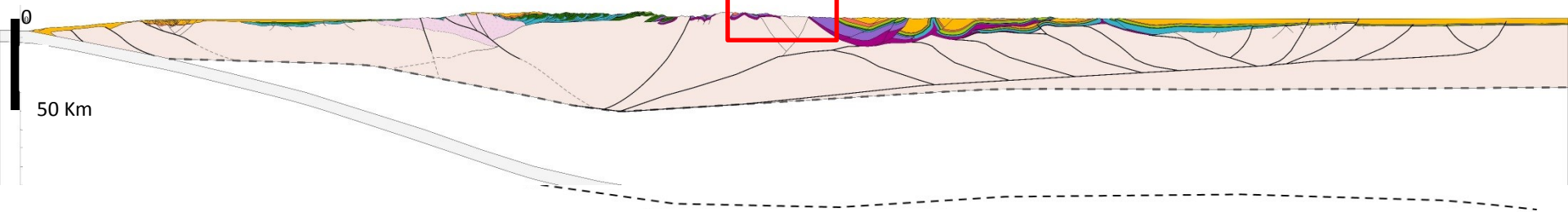
SUBANDEAN CRUSTAL SHORTENING=70 KM

ENE

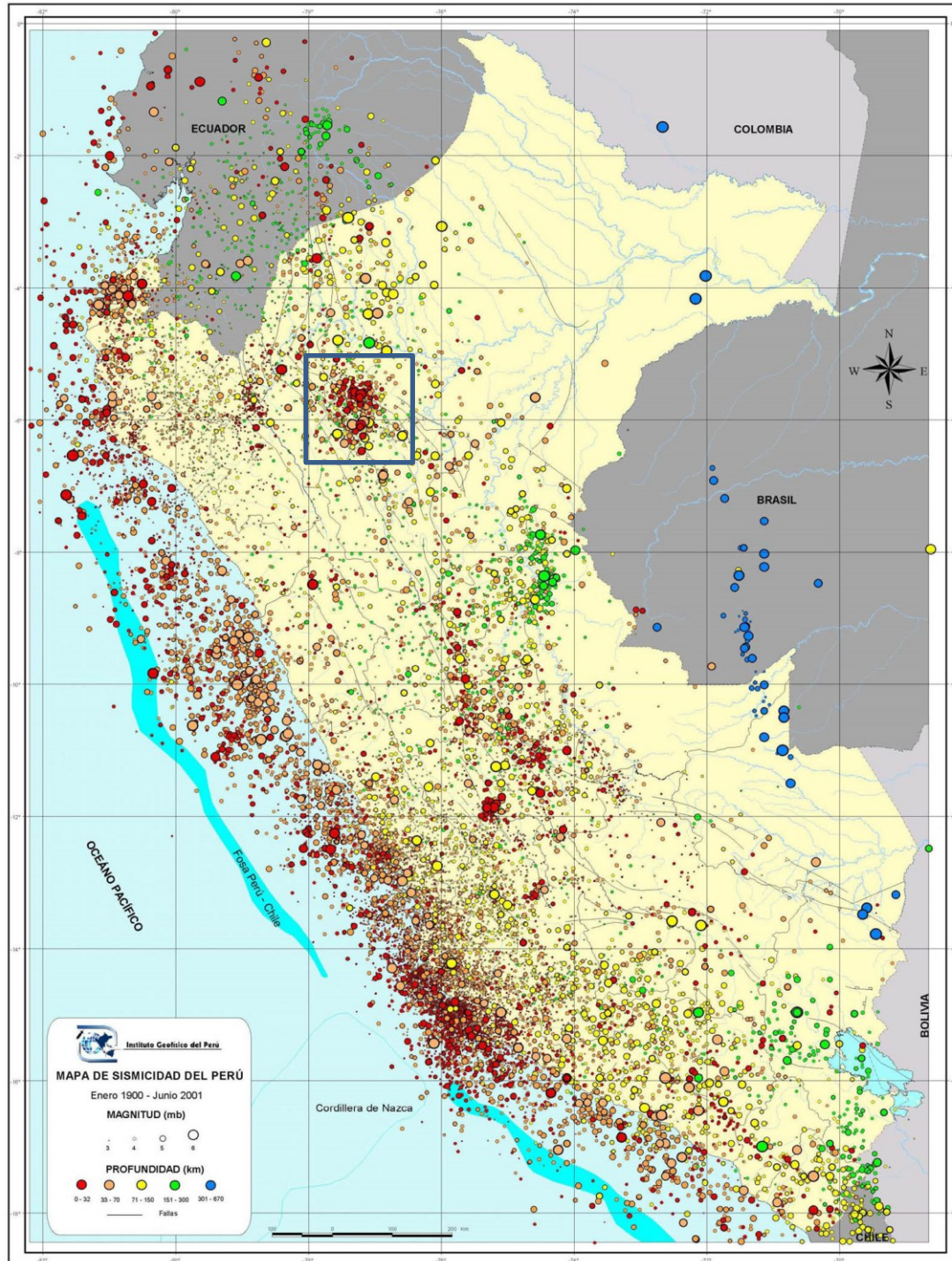


Trujillo Salaverry Basin

Marañón Basin



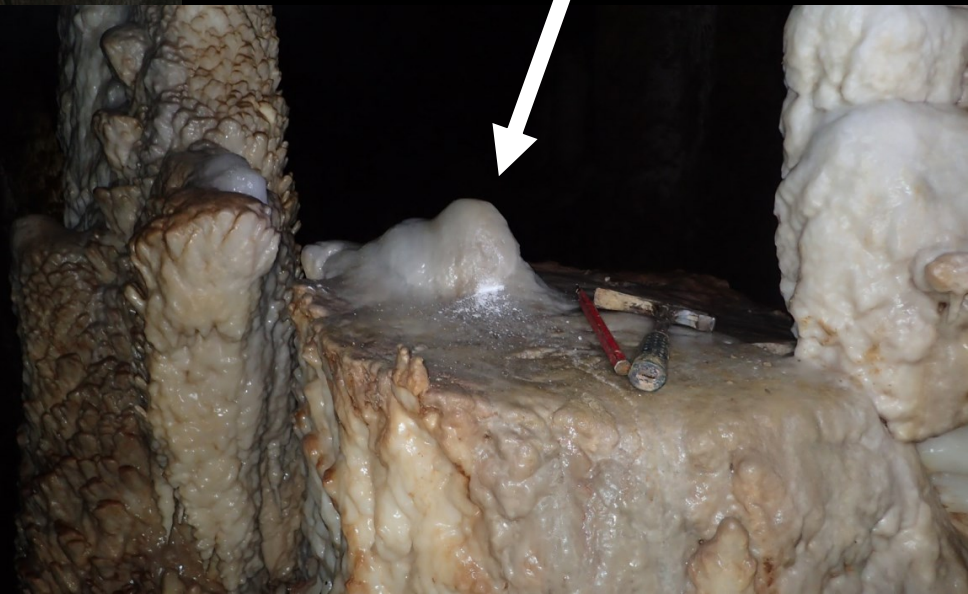
Prudhomme et al, 2018

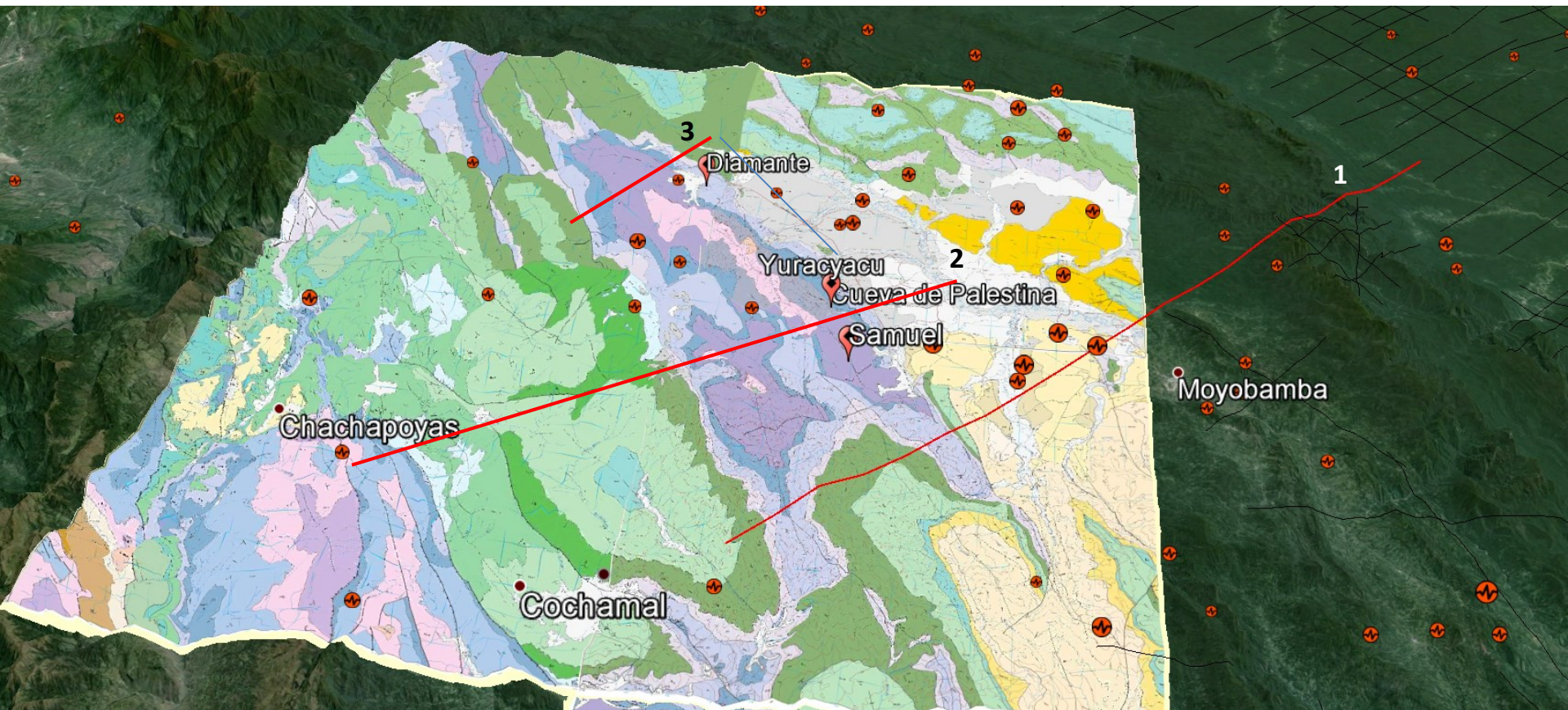


SAMUEL CAVE

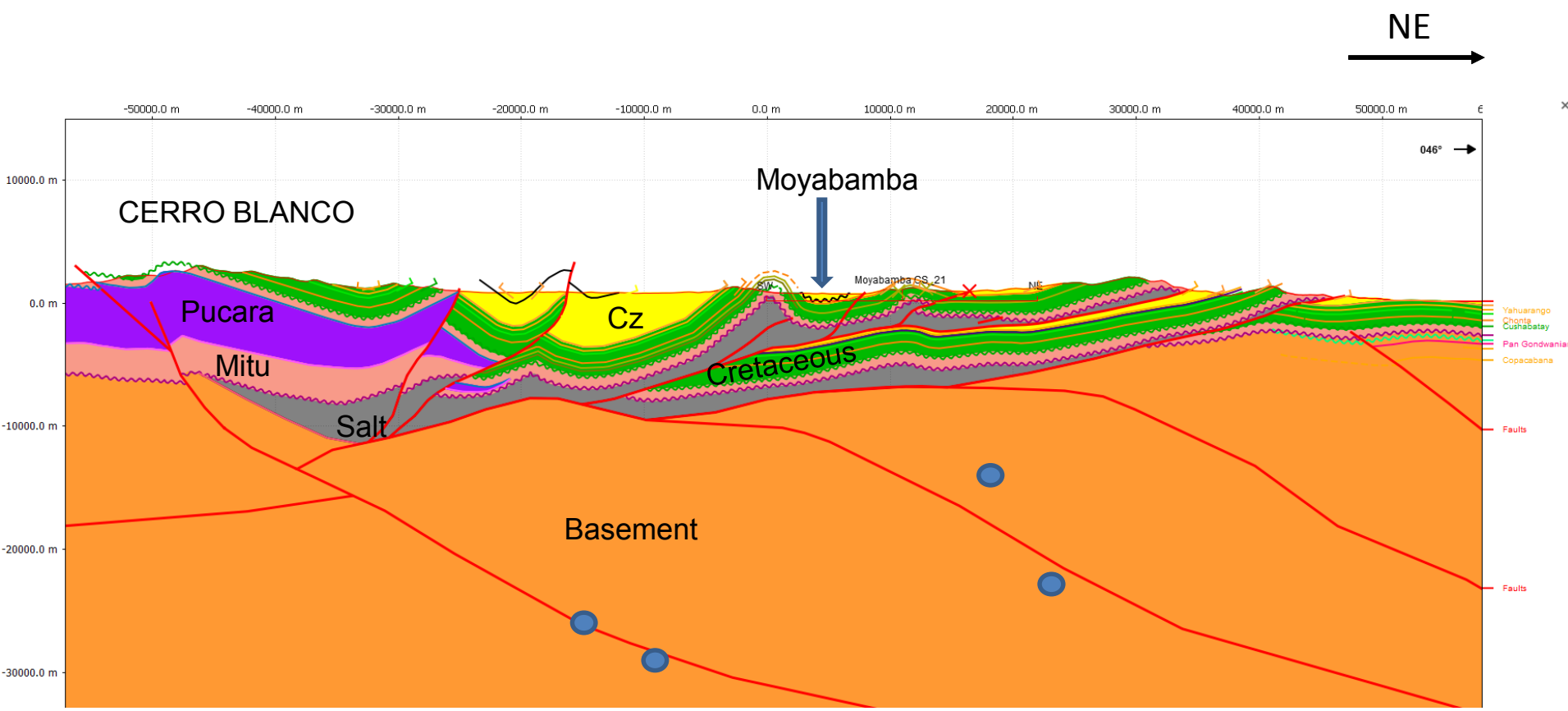


10-15 ka

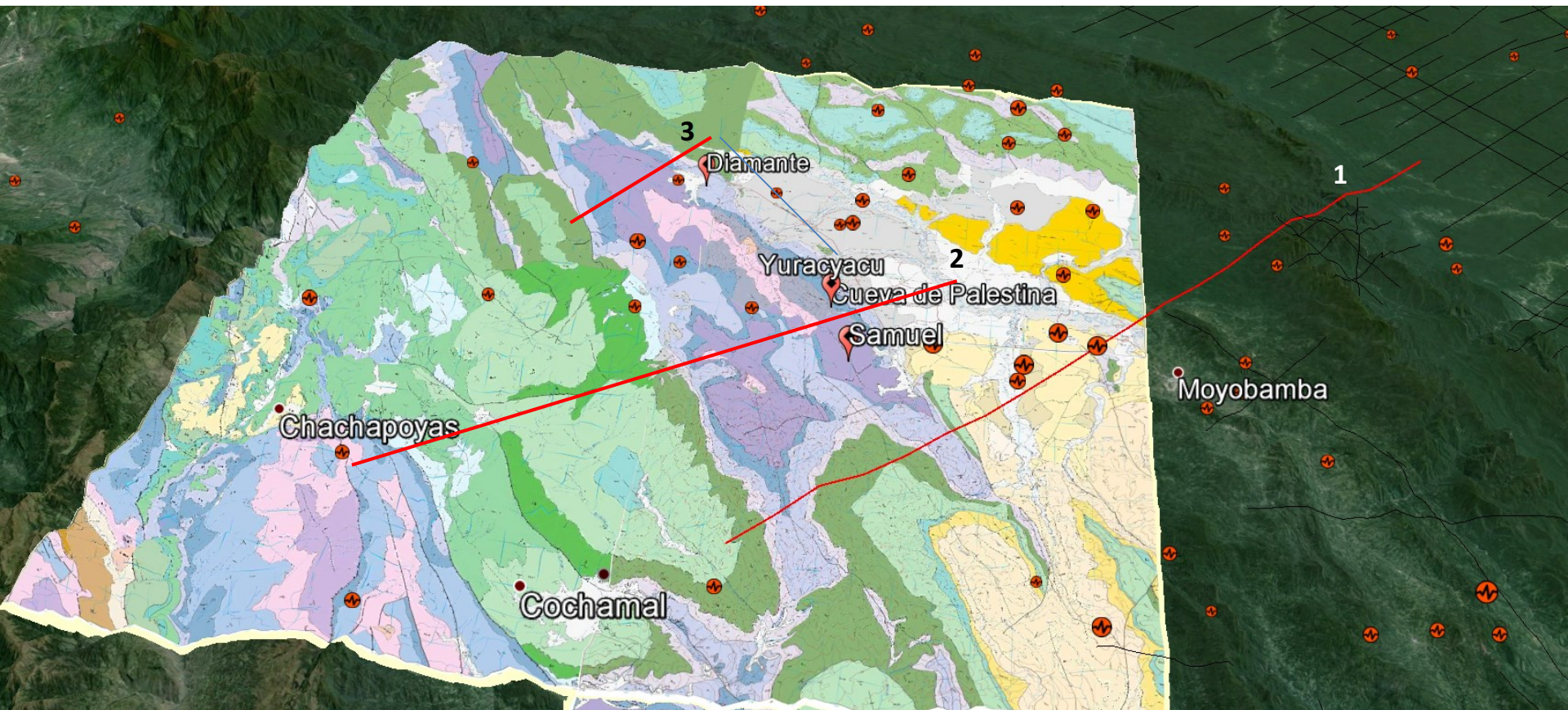




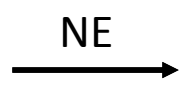
STRUCTURAL CROSS-SECTION 1



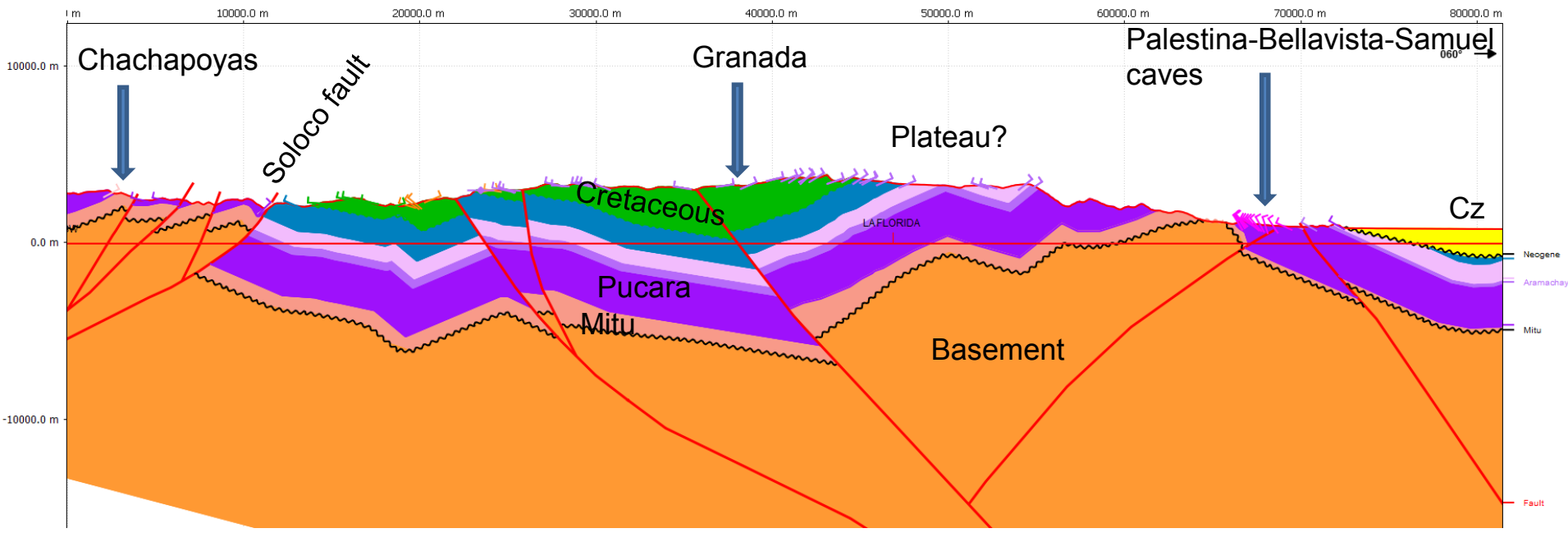
● Earthquake
Mw > 5 (Devlin et al., 2012)

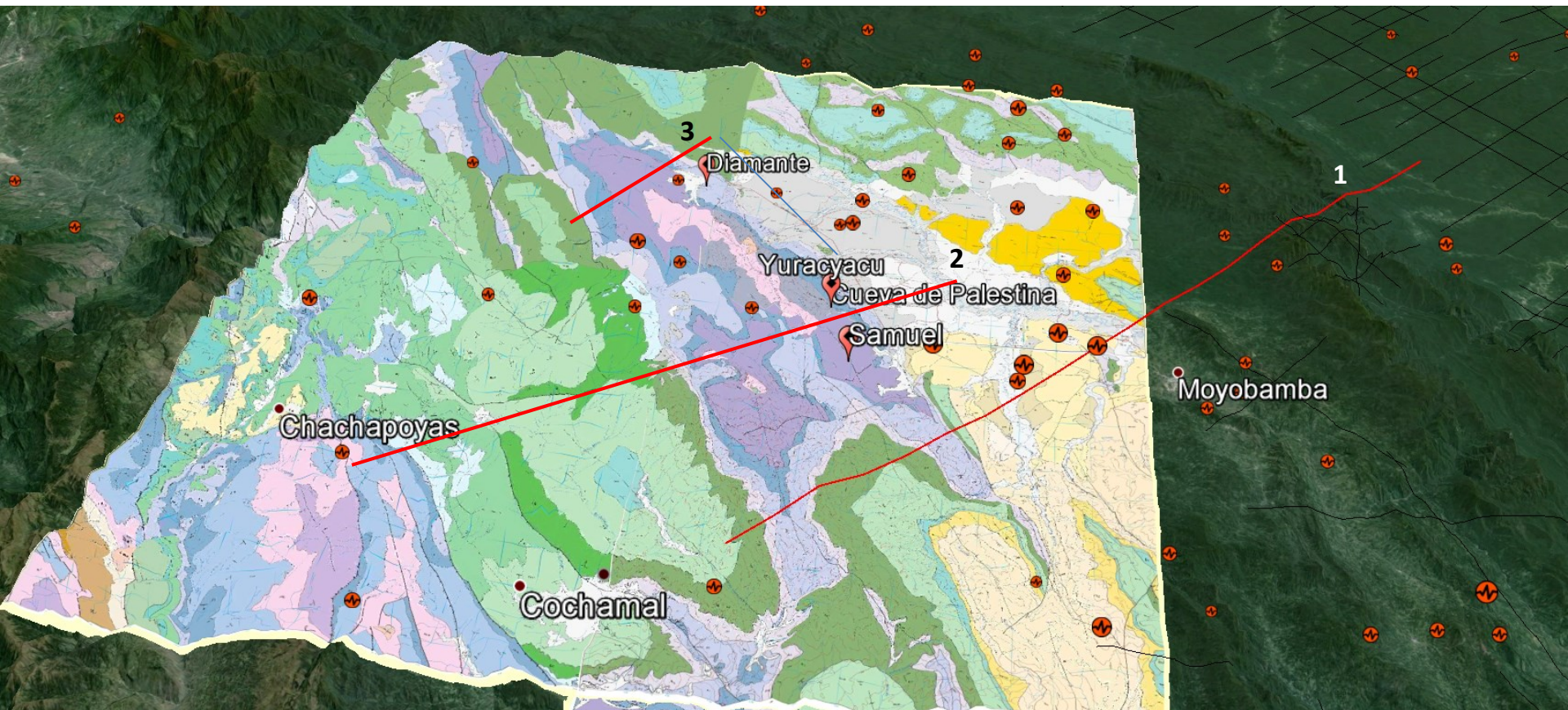


STRUCTURAL CROSS-SECTION 3



CERRO BLANCO ANTICLINE





STRUCTURAL CROSS-SECTION 3

CERRO BLANCO ANTICLINE

NE

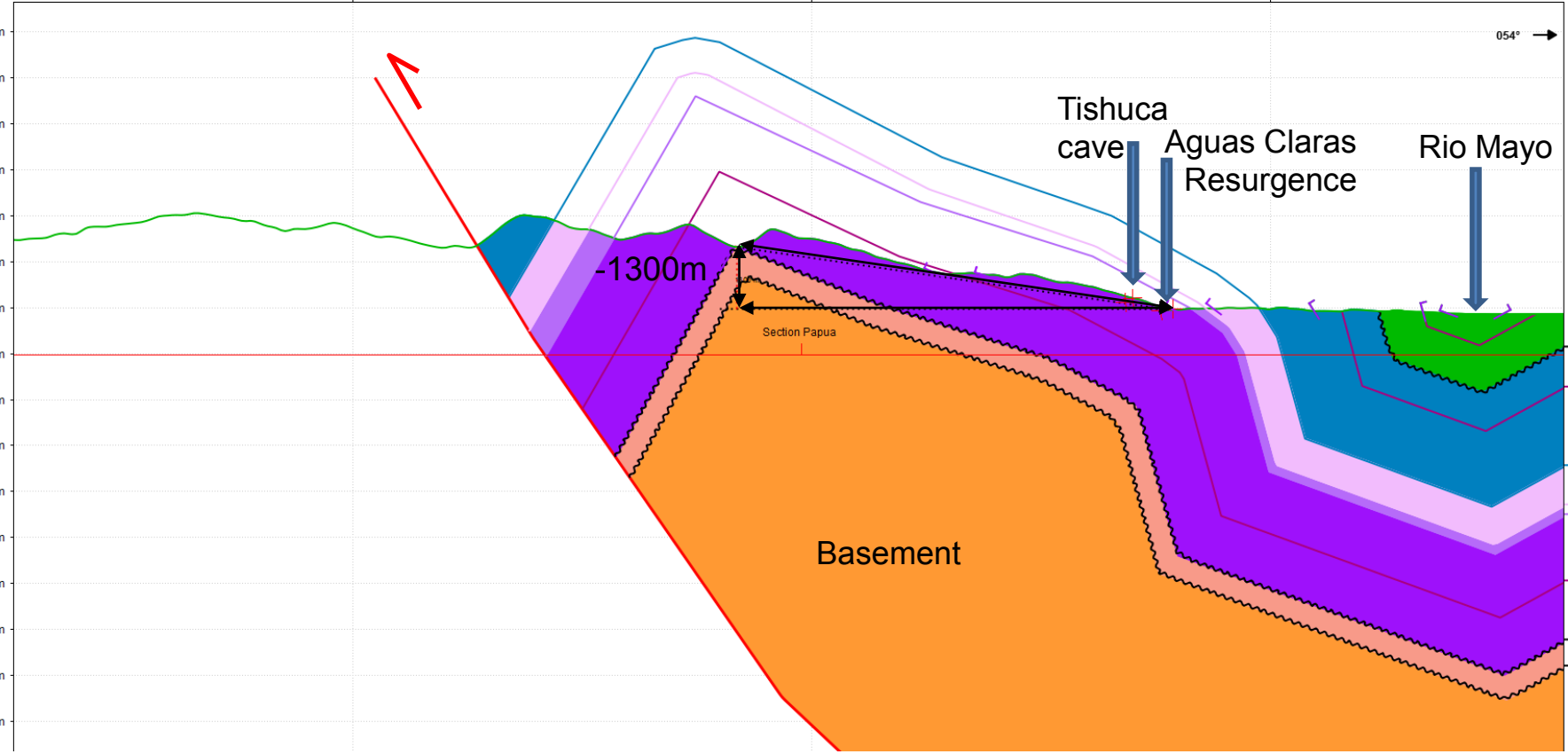


10000.0 m

20000.0 m

30000.0 m

054°



-1300m

Tishuca
cave

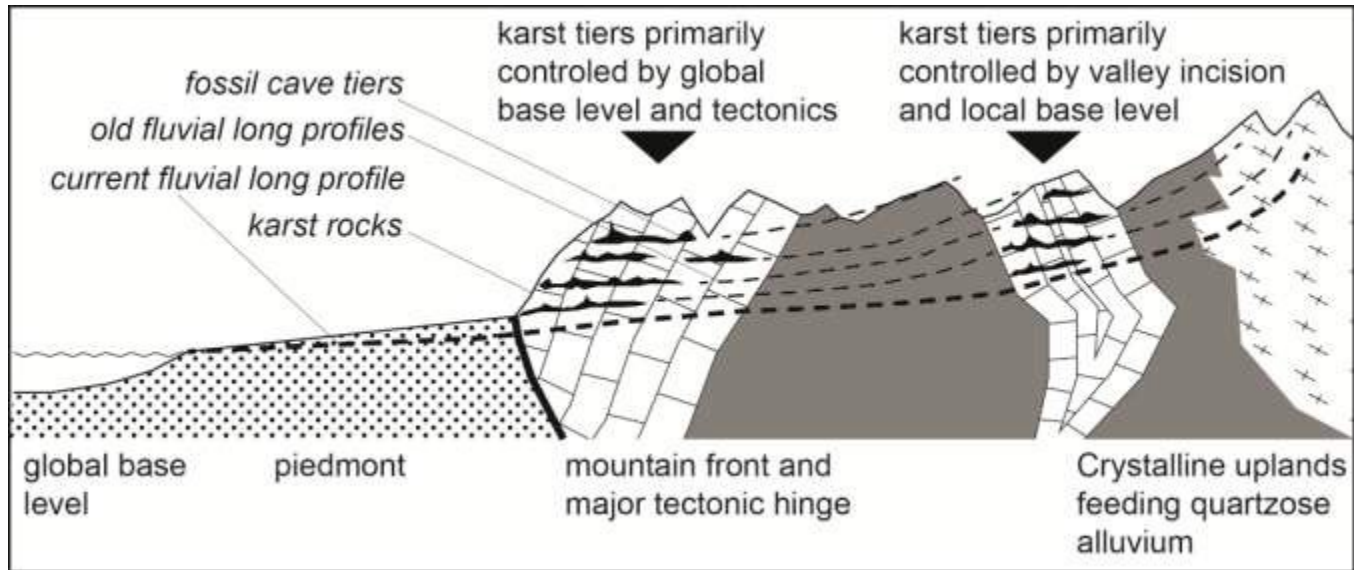
Aguas Claras
Resurgence

Rio Mayo

Section Papua

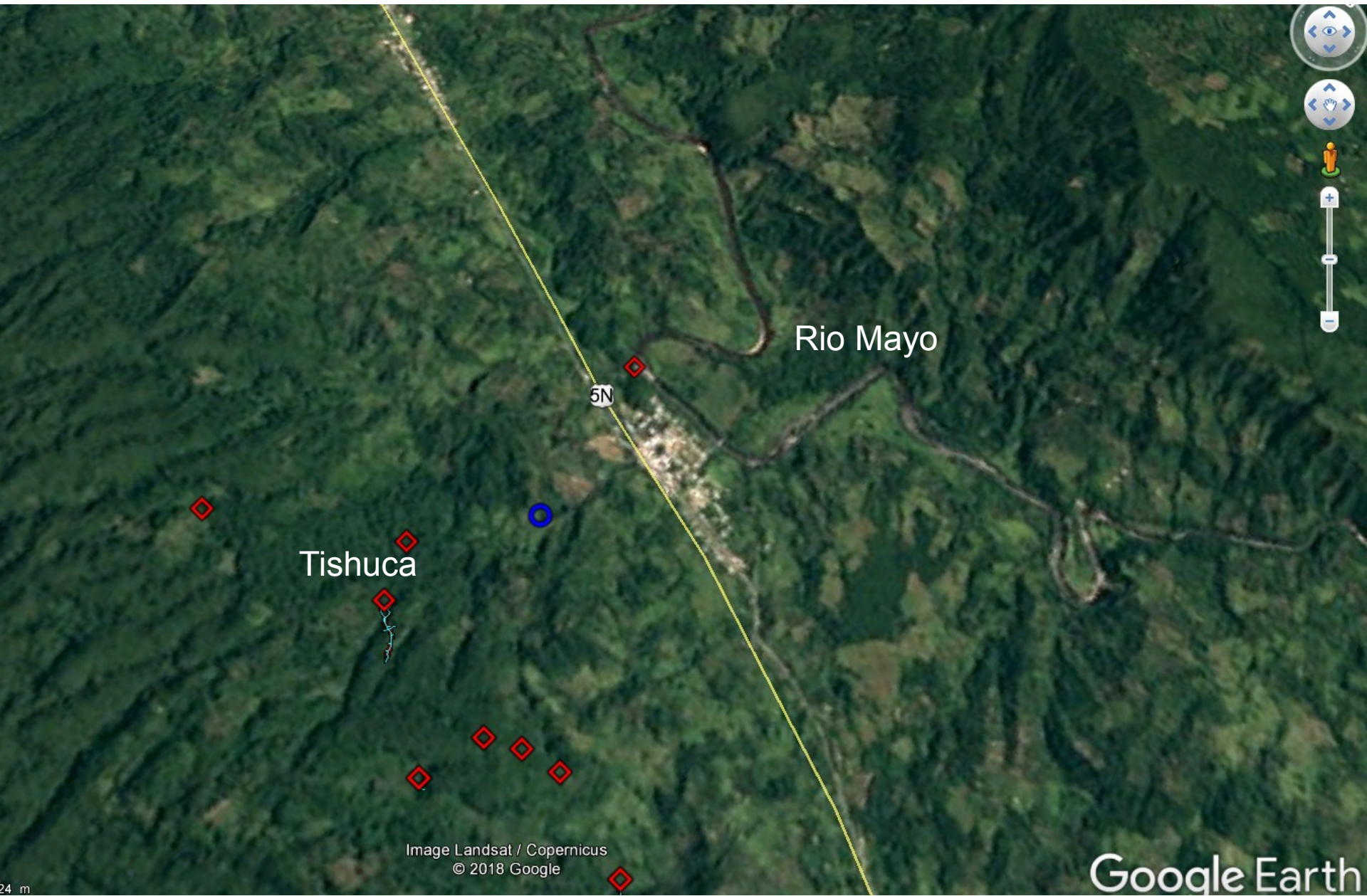
Basement

- Oriente
- Sarayaquillo
- Sarayaquillo
- Condesinga
- Aramachay
- Chambara
- Chambara
- Mitu



(M. Calvet, 2014)

cosmogenic beryllium-10



Rio Mayo

Tishuca

5N

Image Landsat / Copernicus
© 2018 Google

Google Earth

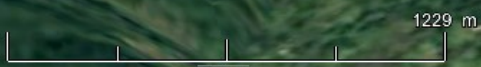
24 m



© 2016 Google

Image Landsat

Date des images satellite : 31/12/1969 lat -5.710950° long -77.581173° élév. 974 m



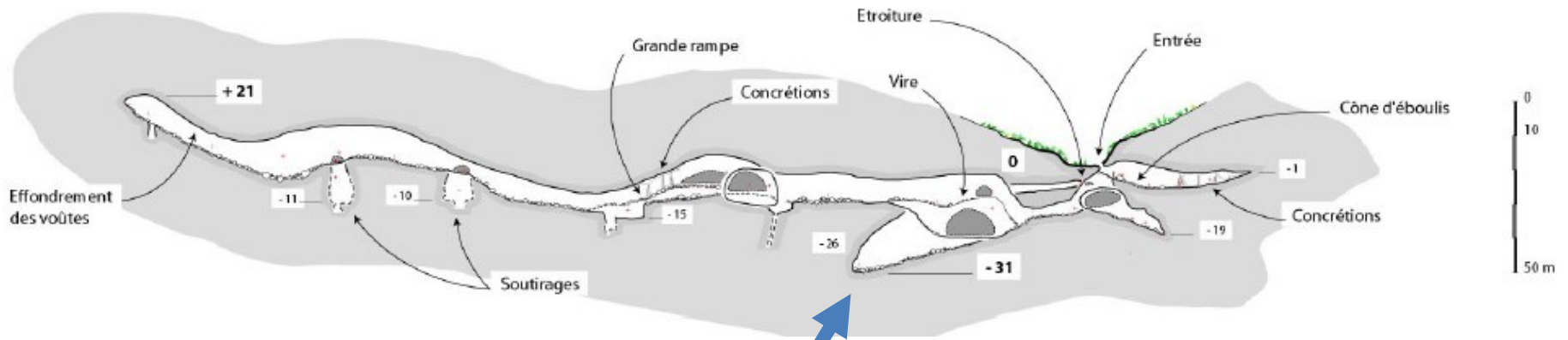
1970

Graphique : Min, Moy, Max Élévation : 937, 1251, 1793 m

Totaux des plages de valeurs : Distance : 10.3 km Gain/perte d'élévation : 639 m. -1305 m Pente maximale : 49.4%, -46.6% Pente moyenne : 15.5%, -20.1%



TISHUCA CAVE



UNIVERSITY OF
WOLLONGONG
AUSTRALIA



cosmogenic beryllium-10

Relevés topographiques du 6 septembre 2014
Augusto Auler, Jean Loup Guyot, Jean-Yves Bigot,
Ezio Rubbioli, Lilia Senna-Horta & Alexandre Lobo
Compas et clinomètre Suunto + Lasermètre
Synthèse et dessin : Jean-Yves Bigot