



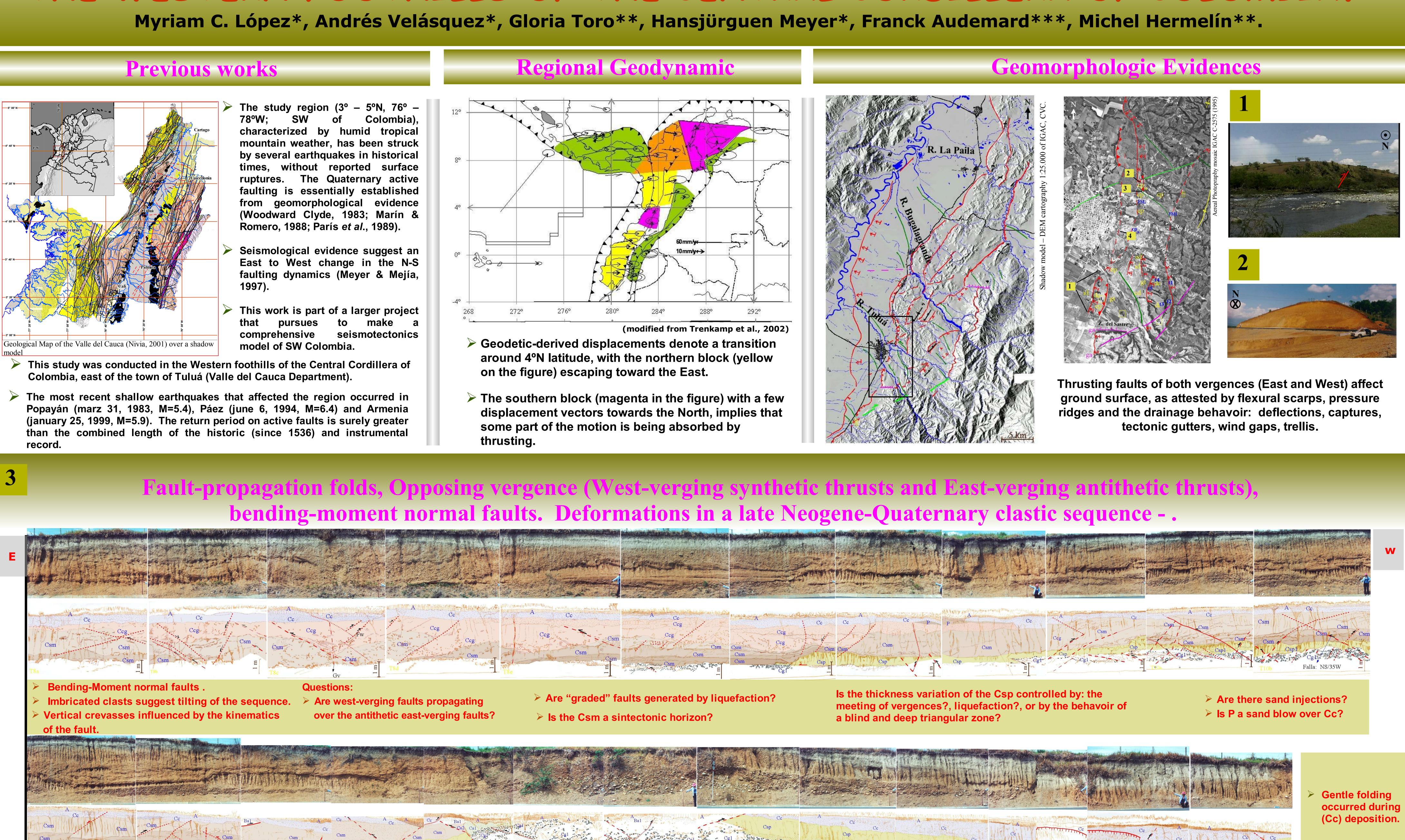






XVI INQUA CONGRESS. Shaping the Earth: A Quaternary Perspective. Paleoseismology in the Twenty-first Century, a Global Perspective. July 23-30, 2003. Reno, Nevada

EVIDENCE OF HOLOCENE COMPRESSION IN THE VALLE DEL CAUCA, ALONG THE WESTERN FOOTHILLS OF THE CENTRAL CORDILLERA OF COLOMBIA.



deposition or composition? Is Csp sintectonic?

Did the fault (F1) with the largest displacement occur before the deposition of the Cc horizon?

Is the columnar structure of the Csp horizon revealing some intrinsic characteristics of its

- A: Organic soil horizon, most recent accumulation, black color.
 Cc: Alluvial horizon, sandy with volcanic material, grey color.
 B: Organic horizon with (?) materials of the underlying horizon, sandy pebbly, dark brown color.
- Ccg: Sandy pebbly horizon with subangular gravels, brown grey color.
- Csm: Coarse sandy pebbly horizon with some internal structure, brown

Legend

The sequence

faulted in

underlying Cc is

micrograbens at

the fold hinges.

- orange color. Wavy difuse contact with Csm2.
- Csp: Coarse to pebbly sands with some sedimentary structures.
- Columnar structure in outcrop.

 Cg: Clast-supported gravels.

 I a XI: La Paila Formation.

➢ Is the ¹⁴C 7.930 ± 60 YBP-old paleosoil recording the Holocene overthrust of Miocene units?

Is the east vergent (flexural slip) fault with the largest displacement emerging through the Miocene units after the Cc deposition?

Was the vertical crevasse generated by the existence of a triangular zone? Of an east vergent fold?

Are west vergent faults cutt by east vergent faults?

NS/54W pitch 73S Paleosoil: $7.930 \pm 60 \text{ YBP}^{-14}$ C

➤ What is the coseismic displacement?