

# **Potential drought mechanisms**

Shifting of the ITCZ towards the south Intensificacion "El Niño" phase of ENSO

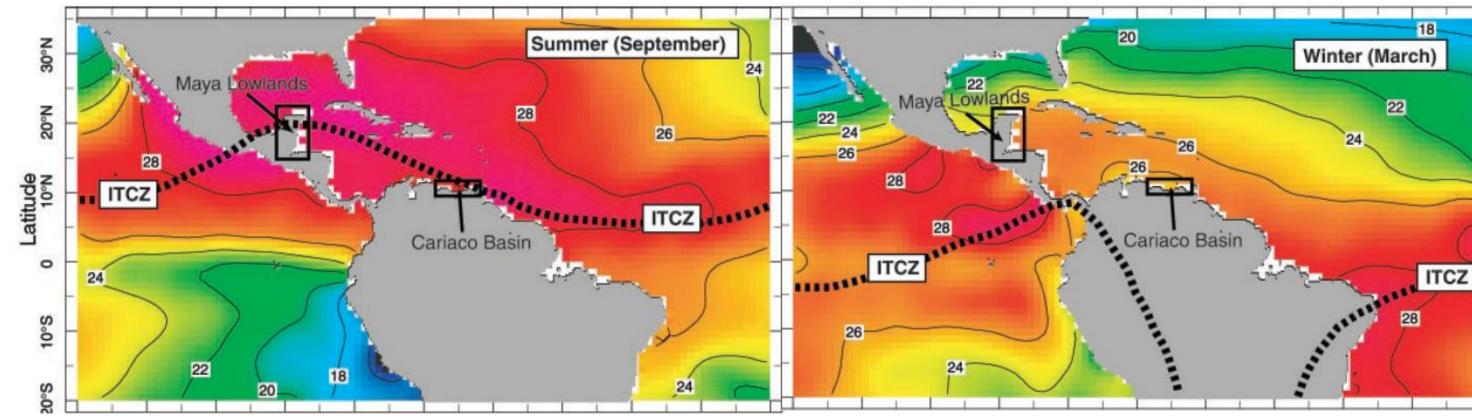
## Effects

- > Disappearance of urban centers
- > Decrease of war events

1100

Civilization shifted to Mayan highland





[2] Variations in the mean position of the Intertropical Convergence Zone (ITCZ) over Mesoamerica. Numbers and colors reflect sea surface temperatures in degrees Celsius

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THREE MAJOR DROUGHT EVENTS AFFECTED **MAYAN CIVILIZATION DURING ITS DEVELOPMENT.** THE MOST DESTRUCTIVE OCCURED FROM 820 -870 CE, LEADING TO THE MAYAN LOWLAND **COLLAPSE.** 

## **Bibliography**

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[1] Douglas J. Kennett et al., (2012). Development and Disintegration of Maya Political Systems in Response. Science, 788-791. [2] Gerald H. Haug et al., (2003). Climate and the Collapse of Maya Civilization. Science, 1731-1735. [3] National Geographic. (n.d.). Retrieved June 30, 2020, from https://blog.nationalgeographic.org/2012/12/30/geography-in-the-news-demise-of-the-maya/ [4] Pete D. Akers et al., (2016)., An extended and higher-resolution record of climate and land use from stalagmite MC01 from Macal Chasm, Belize, revealing connections between major dry events, overall climate variability, and Maya sociopolitical changes. Elsevier, 268-288.

[3] Migration of Mayan civilization because of drought event





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VIDEO ABSTRACT

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