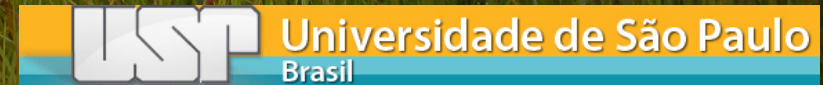
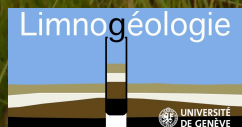


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Colônia deep drilling project São Paulo, Brésil

Marie-Pierre Ledru, Wolf Uwe Reimold, Daniel Ariztegui, Edouard Bard, Alvaro Crosta,
Claudio Riccomini, Andre Sawakuchi





Les étapes du projet ICDP

2009, 2011, 2013, 2014 soumission workshop proposal

26 au 29 septembre 2014 workshop à São Paulo

2015 compléter , finaliser le projet de deep drilling
pour soumission en janvier 2016

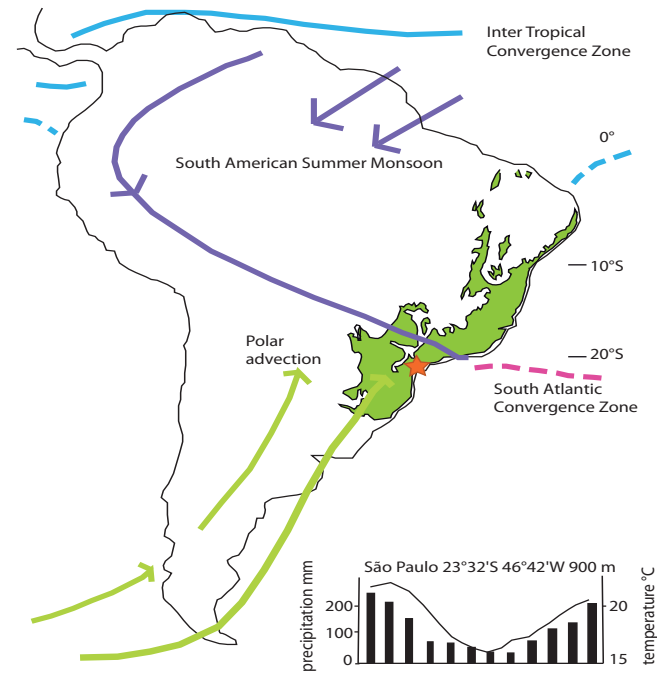


WHERE IS COLÔNIA?

Atlantic forest

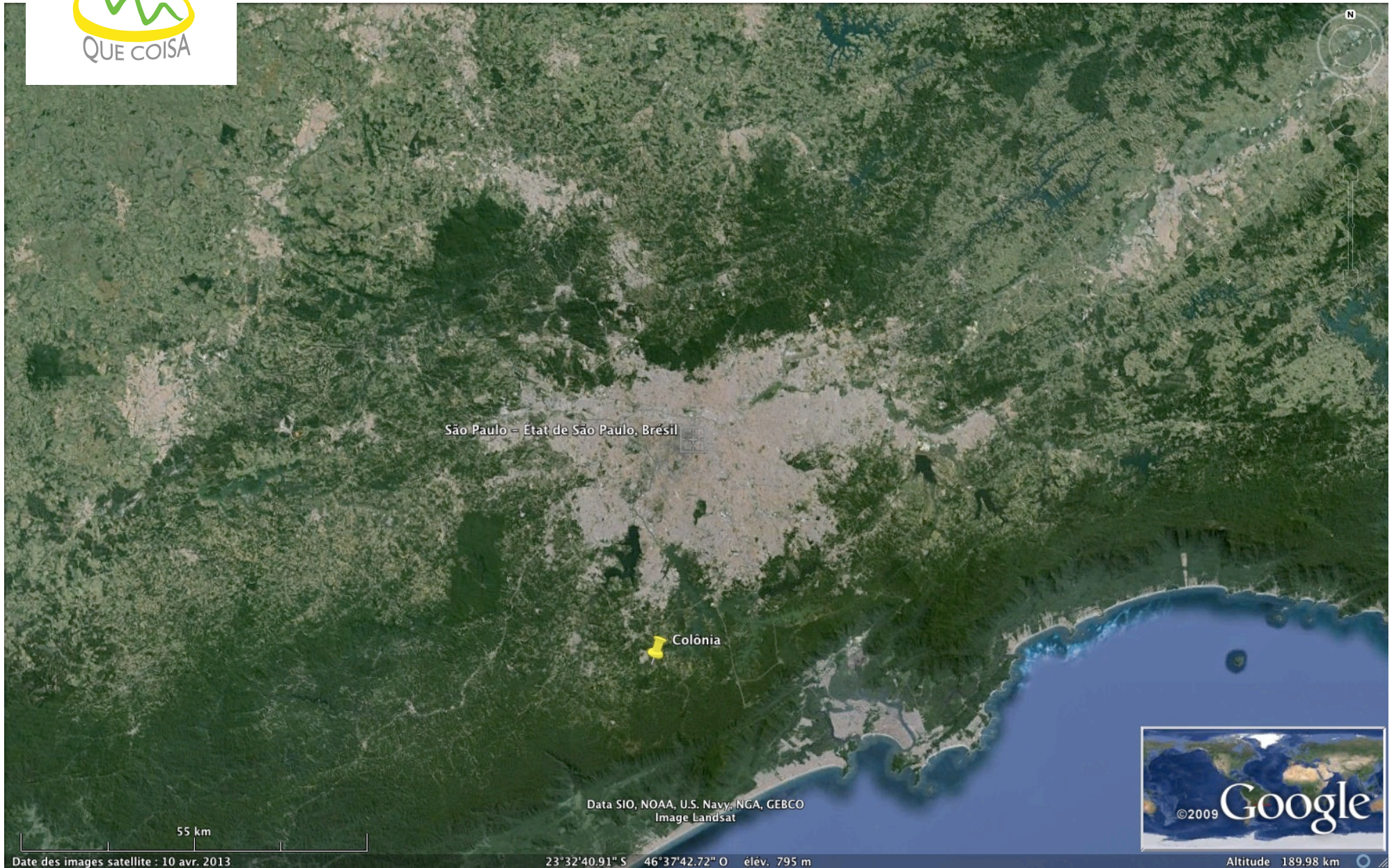
South American Summer Monsoon

Polar advection





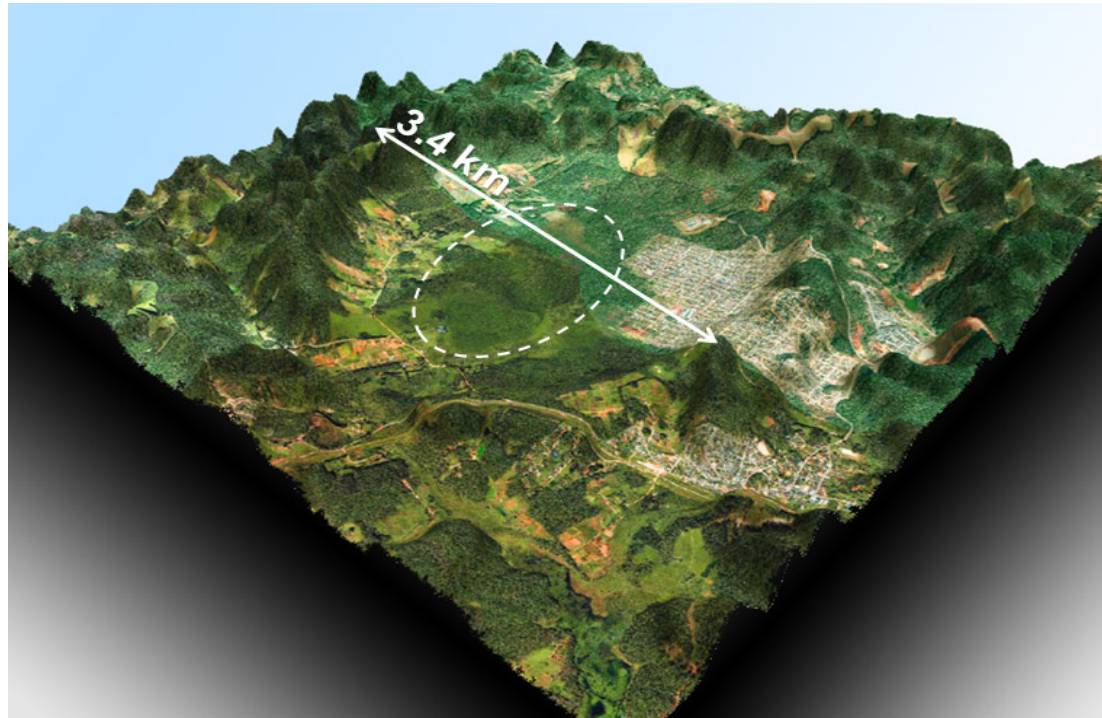
WHERE IS COLÔNIA?





WHAT IS COLÔNIA?

Impact crater?





WHAT IS COLÔNIA?



Image © 2009 DigitalGlobe

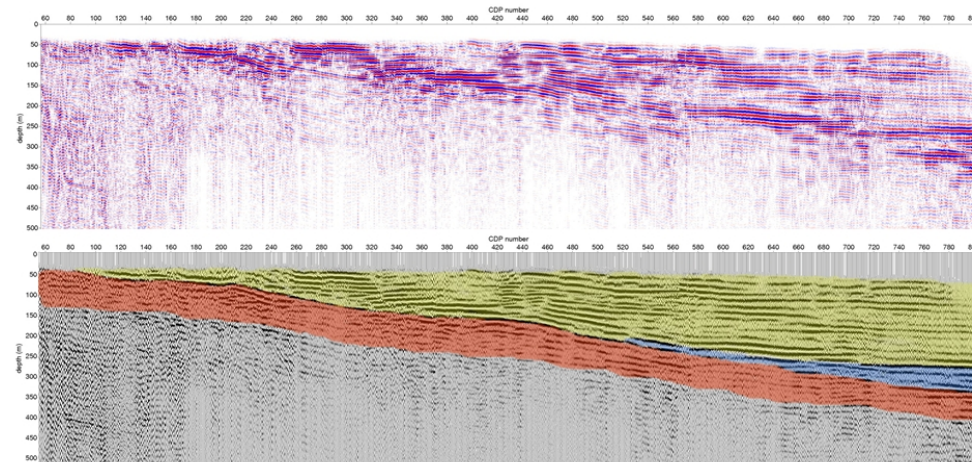
© 2008 MapLink/Tele Atlas

Google

23°52'07.03" S 46°41'53.05" O élév. 754 m 13 avr. 2008 Altitude 2.82 km



WHAT DO WE KNOW ABOUT COLÔNIA?



Seismic profile in 2010



2014

Nouveau carottage
de 14 m



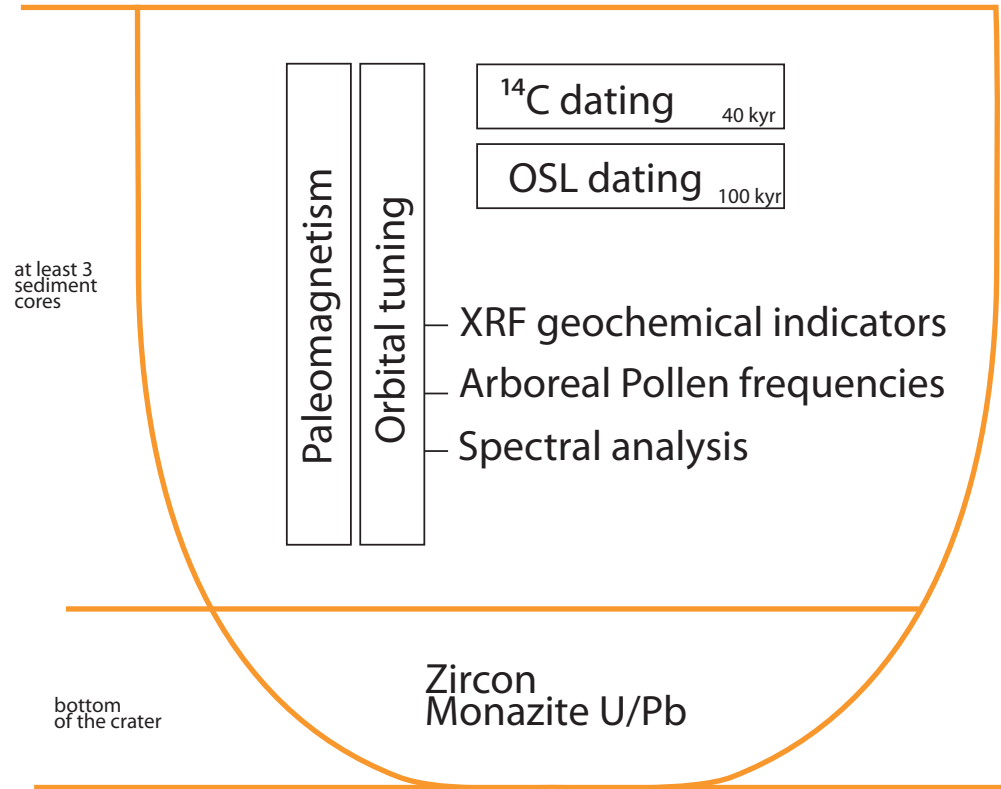






HOW TO OBTAIN ROBUST AGE CONTROL?

At Colônia



Tuning on neighboring long records :
Marine core
Speleothem records

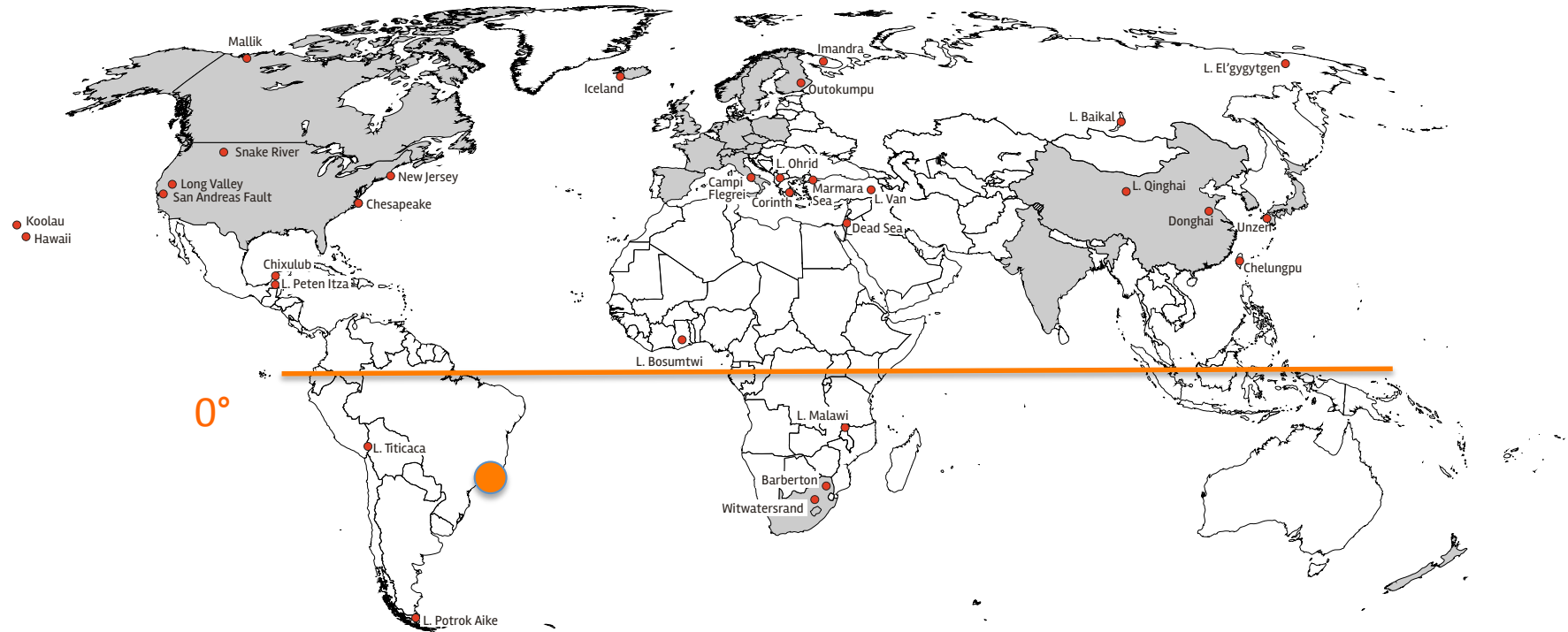


A new drilling in Southern Hemisphere

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International Continental Scientific Drilling Program



Nouvelles connaissances sur les cratères d'impact, la transition Tertiaire Quaternaire dans la forêt tropicale, l'évolution de la biodiversité tropicale, la climatologie de l'HS....



obrigada!