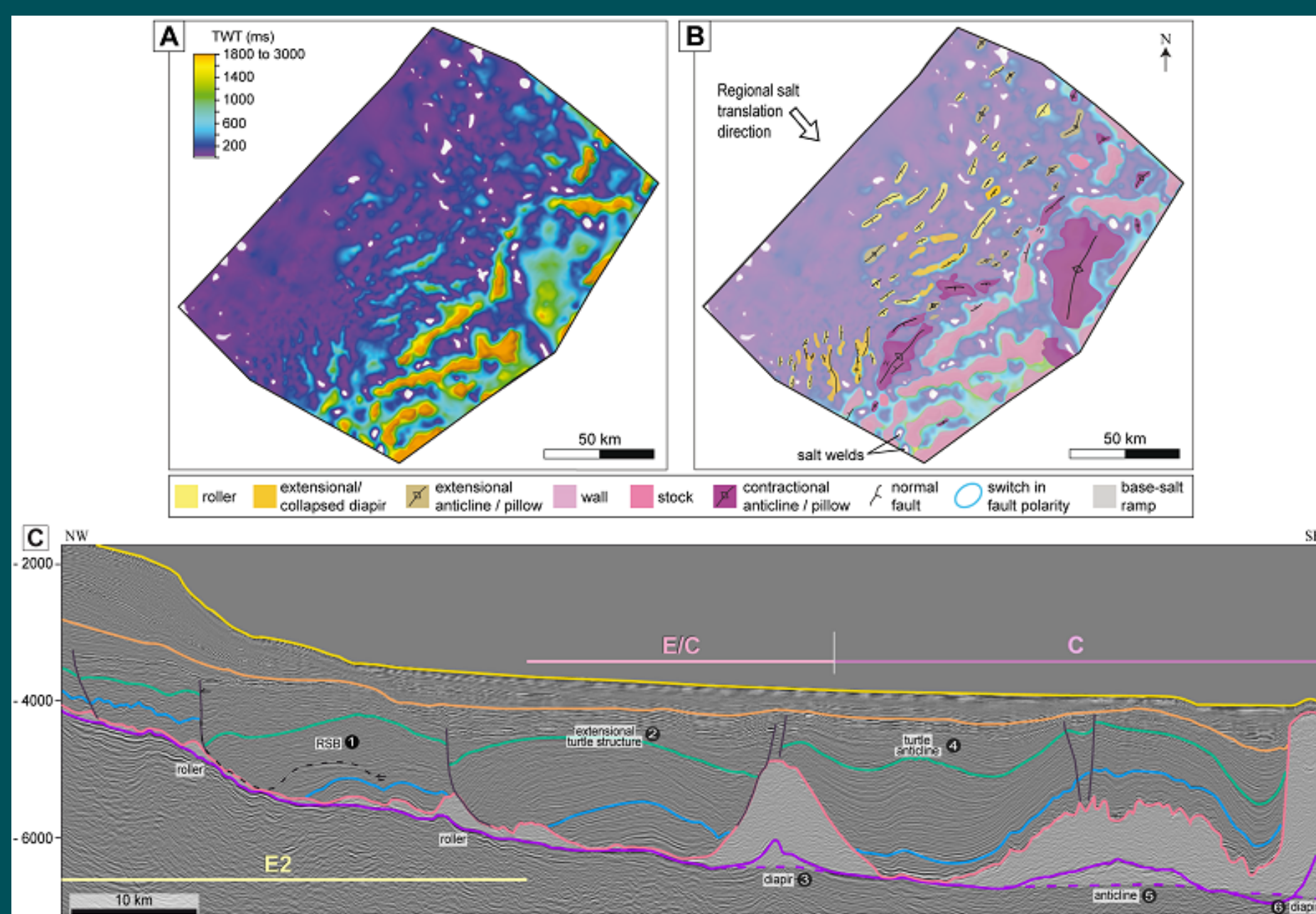




## COLLOQUIUM SEMINAR SERIES

### THE IMPACT OF BASE-SALT TOPOGRAPHY ON SALT TECTONICS IN THE CAMPOS BASIN, OFFSHORE BRAZIL



Salt is a unique rock with distinct physical properties: it is mechanically weak and it flows like a highly viscous fluid over geological timescales. For that reason, salt deforms much more easily under both tensional and compressional forces when compared to other lithologies. As a result, salt movement results in some of the most complex and variable structures in geology. Salt tectonics studies the origin and evolution of such structures. In this talk, we will look at salt and overburden structures present in the Campos Basin, offshore southeast Brazil. There are three domains of salt-related deformation in the basin: an updip extensional domain, an intermediate multiphase domain, and a downdip contractional domain. Because salt behaves as a highly viscous fluid, and thus it responds to the geometry of the surface they flow across, this study investigates how and to what extent base-salt topography impacts the location and structures styles of these deformational domains.



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Colloquium Seminar Series  
Wednesday March 2, 2022

Join us on Zoom at 3:10pm  
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