

Introduction to Geology and Geophysics of Continental Margins

¹ ROSENDAHL, B. R., ² MOHRIAK, W.U. ¹ RSMAS, University of Miami, Miami, FL, USA, ² Petróleo Brasileiro S.A., E&P - GEREX/GESIP, Rio de Janeiro, RJ, Brazil

These introductory remarks will discuss general aspects of integrated, multidisciplinary studies addressing the rift architecture and divergent continental margin sedimentary basins developed along the Eastern Brazilian and West African continental margins, European mainland and margins, and Australian and mainland China margins. The methodology of these studies was based on integration of geological and geophysical data, particularly regional seismic reflection profiles, gravity and magnetic data, results of exploratory drilling, and analogs with other sedimentary basins. Some of the results will be compared, emphasizing both the similarities and differences between these diverse regions.