

1. *Application of the Area-depth-strain (ADS) and restoration approaches: the case of Hikurangi basin (New Zealand)*

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Name(s) of a potential co-supervisor(s): F. Carboni

Prospective assistance in the supervision: laboratory

Brief description of the planned research and references if needed, including the 1) objectives, 2) the study area and 3) the research methods foreseen:

Apply the ADS to different case-studies, already interpreted and where the detachment is well known (i.e. Hikurangi accretionary prism) in order to check if it works well for each of them or not and compare the results; where it worked and where it did not. It is a strong tool for correct the interpretation of the seismic line.