



## **PASH2: Land-Ocean correlation of long Quaternary records from the southern hemisphere on orbital and sub-orbital timescales**

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With this presentation we want to draw attention to PASH2, which is an INQUA-funded project to bring together scientists studying palaeoenvironmental conditions on the three austral continents and Antarctica throughout the Quaternary.

The major objectives of the project are:

- 1) to assess the present state of knowledge on the nature and location of land and ocean records covering at least the last 40,000 years and determine and explain regional and temporal trends (in relation to tectonic, atmospheric and oceanographic and human influences), cyclicity (in relation to orbital and ice-volume forcing) and millennial-scale variability (in relation to ENSO, the Indian Ocean dipole, Heinrich events, Bond 'cycles', human impacts etc).
- 2) to identify critical gaps or areas of uncertainty and encourage and facilitate development of research proposals to fill them, particularly through involvement of the International Ocean Drilling Program (IODP) and the Continental Drilling Program (CDP).
- 3) to encourage and facilitate closer collaboration between marine and terrestrial researchers especially in examination of land and marine climate proxies within the same sediment cores,
- 4) to generate and compile a potentially exciting data set amenable to modelling as a means of better understanding controls over southern hemisphere and global climate change.