

## **QUATERNARY PALAEOCLIMATES IN THE EASTERN CANARY ISLANDS**

Damnati, B.<sup>a</sup>, Petit-Maire, N.<sup>a</sup>, Fontugne, M.<sup>b</sup>, Meco, J.<sup>c</sup>, Williamson, D.<sup>a</sup>

a Lab. de Geol. du Quaternaire, CNRS, Luminy - Case 907, Marseille 13288, cedex 09, France

b CFR, CNRS-CEA, Gif sur Yvette, France

c ULPGC, Universidad de la Laguna, Las Palmas, Spain

### **Abstract**

In the eastern Canary islands, aeolian formations interbedded with palaeosols have been studied. The sequences cover the last 40 ka, as evidenced by one <sup>14</sup>C accelerator analysis and several classical radiocarbon dates. As in the Sahara, at least two wet episodes characterize isotopic stage 3. A short pedogenesis corresponds to the first deglaciation step at 15 ka. After a new aeolian episode, the Holocene wet phase begins at around 10 ka. The aeolian sedimentation is of Saharian dust, in particular during the stage 3 dry episode(s). U/Th and OSL dating are current.