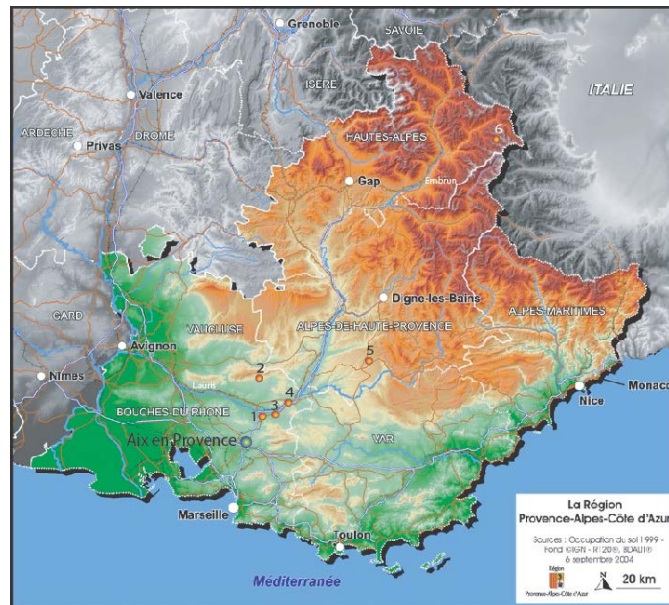


2 Pre - Late Quaternary landscapes and palaeoenvironments through the Mediterranean and the Alps

Excursion Organisers/Leaders: Vincent Ollivier, Naïs Sirdeys, Adam Ali, Frédéric Magnin

Proposed Excursion Dates: 6-8th of June 2023

Draft Itinerary:



● City of departure and return ● Stop on major quaternary site
(1: Meyrargues; 2: Luberon; 3: Peyrolles; 4: Pont de Mirabeau;
5: Ségrîès and Serre de Montdenier; 6: Aigue Agnelle Valley, Queyras)

Definitive cost per head: € 400

Accommodation arrangements: Hotel and/or Guesthouse

Proposer Contact Details:

Vincent Ollivier

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Description

The southern France shows a wide variety of landscapes and biotopes, from Mediterranean Sea to the Alps. The Late Quaternary bioclimatic changes were well recorded in calcareous tufa, alluvial formations and paleosoil, scattered from thermo-mediterranean to oro-mediterranean zone. Sequences were investigated through the prism of paleoecological (terrestrial gastropods, charcoal, botanical remains), geomorphological (morphosedimentary and stratigraphic organization), sedimentological (physico-chemistry and carbonate faciology) and chronological (14C, U/Th dating) studies. Participants will visit MIS-3 (50 Ka to 26 Ka) paleosoil and Postglacial (16 Ka-1 Ka) tufa from Provence showing the environmental changes linked to interglacial/interstadial episodes and Neolithic human impact on sensitive Mediterranean biotopes. The field trip will move along the Durance River valley toward the first alpine relief to see alluvial terraces (sedimentation rates and trends) and tufa deposits reflecting the Holocene biodiversity through leaf imprints and palaeoecological studies. In addition, they could also observe the plio-pleistocene boundary recorded in calcareous tufa affected by neotectonic. Participants will complete this Quaternary palaeobiogeographic tour by climbing the western Alps to see a geo-botanical sequence dealing with Holocene climate and timberline position around 9800 BP



MIS 3 paleosol, Holocene Tufa and their environment (Luberon, France)