

Eruptive, transport and emplacement mechanisms of explosive volcanic products deduced from the deposits of the Neapolitan volcanoes

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24 field work – 6 CFU

The course will be entirely dedicated to field studies and mainly to the definition of diagnostic elements for the identification and interpretation of pyroclastic rocks. During the course some stops can be devoted to the study of volcanic succession in archaeological areas.

Short Program of the Course:

- 1th day (8 hours): Stratigraphy in volcanic areas. Description of volcanic facies
- 2nd day (8 hours): Recognition of distal and proximal deposits. Eruptive styles. Isopach and isopleth methods
- 3rd day (8 hours): Depositional mechanisms. Effects of 79 AD Plinian eruption on buildings

Prerequisites: basic volcanology