



## Newsletter #3: December 2015

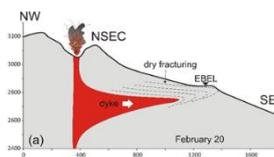
### MED-SUV 2<sup>nd</sup> Year Meeting



The 2nd Year Meeting of MED-SUV was hosted in Naples between 6 and 9 July 2015. The first day was devoted to the discussion of specific themes – dissemination, e-infrastructure, and ground deformation - cross-cutting the work package organization of the MED-SUV community, as well as to the WP4 meeting. The themes were [...]

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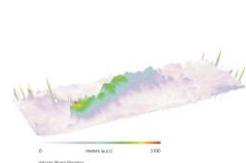
### Seismic footprints of shallow dyke propagation at Etna, Italy



What happens in an active volcano during a shallow magma intrusion? Effects at the surface are evident: ground deformation, fracturing, thermal changes precede and accompany the release of gases into the atmosphere until magma rises to the surface and the eruption starts.

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### Volcanic Plume Elevation Model and its Velocity From Landsat 8



We introduce a method to reconstitute the volcanic gas/ash Plume Elevation Model (PEM) from optical satellite imagery. As the volcanic plume is moving fast, conventional satellite based photogrammetric height restitution methods do not apply as the epipolar offset due to plume motion adds up to the one generated [...]

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### The exceptional eruptive activity of Mt. Etna



In December 2015, Mt. Etna underwent a new eruptive phase that was surprisingly peculiar, as it involved all the volcano summit craters – Voragine (VOR), New South-East crater (NSEC), North-east crater (NEC) - except for the Bocca Nuova (BN), which role is still not clear. The eruptive phase can be considered the climax of the moderate and sporadic explosive activity displayed in the previous months, [...]

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### Raising volcanic risk awareness among children and young students



With help of INGV, DLR and DPC, BRGM has produced leaflets dedicated to increase awareness of young students in several languages. The leaflets are downloadable on-line (links below) and a poster version has also been implemented for school classes. The aim of this material is not to give an exhaustive presentation of the volcanoes and their risks but more to awaken pupil's curiosity and increase their awareness.

[Read more...](#)

### MORE DETAILS

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