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NATURAL ENVIRONMENT RESEARCH COUNCIL



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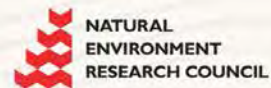
Analogue studies of fault-controlled CO₂ leakage

Jonathan Pearce

With thanks to: G Ciotoli, S Bigi, SE Beaubien,
Università di Roma “La Sapienza”

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Background

- Previous (FP5) and ongoing (FP6 CO2GeoNet) BGS collaborations with University La Sapienza Roma in Latera caldera
 - Testing shallow monitoring techniques
 - Soil gas geochemistry & flux, atmospheric monitoring (Boreal Laser system), GPR, shallow seismic, resistivity, remote sensing
 - Assessing impacts of elevated CO2 from depth on soil ecosystems
- URS recently identified a fault exposure providing good outcrop access



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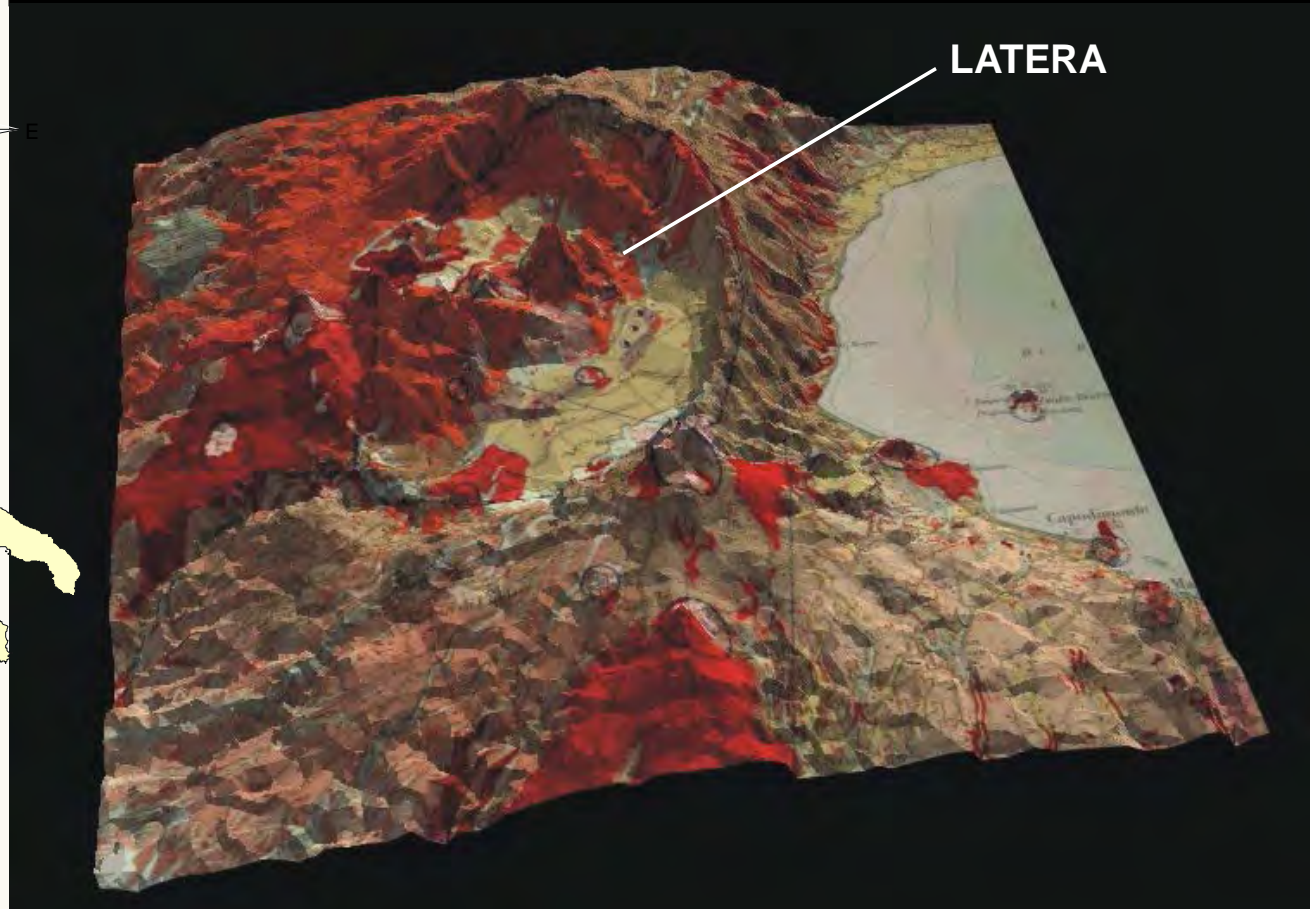
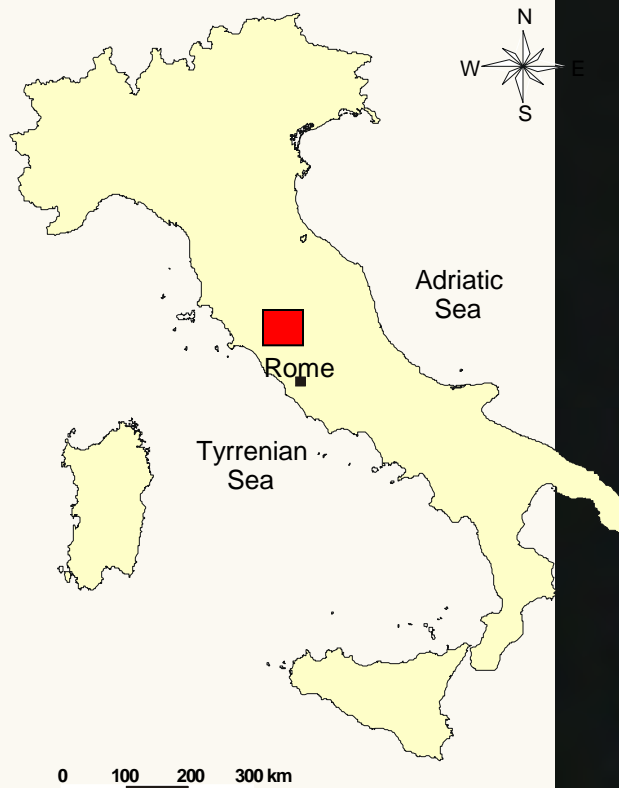
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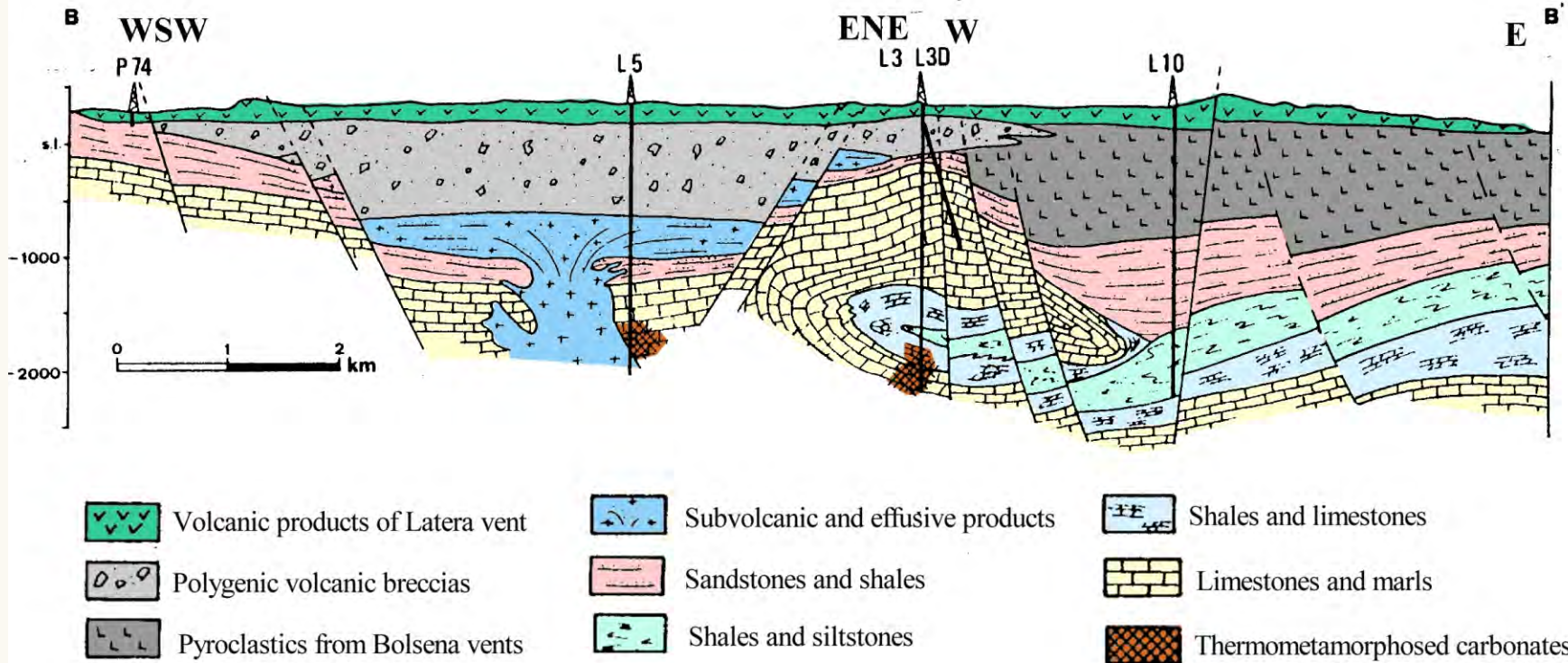
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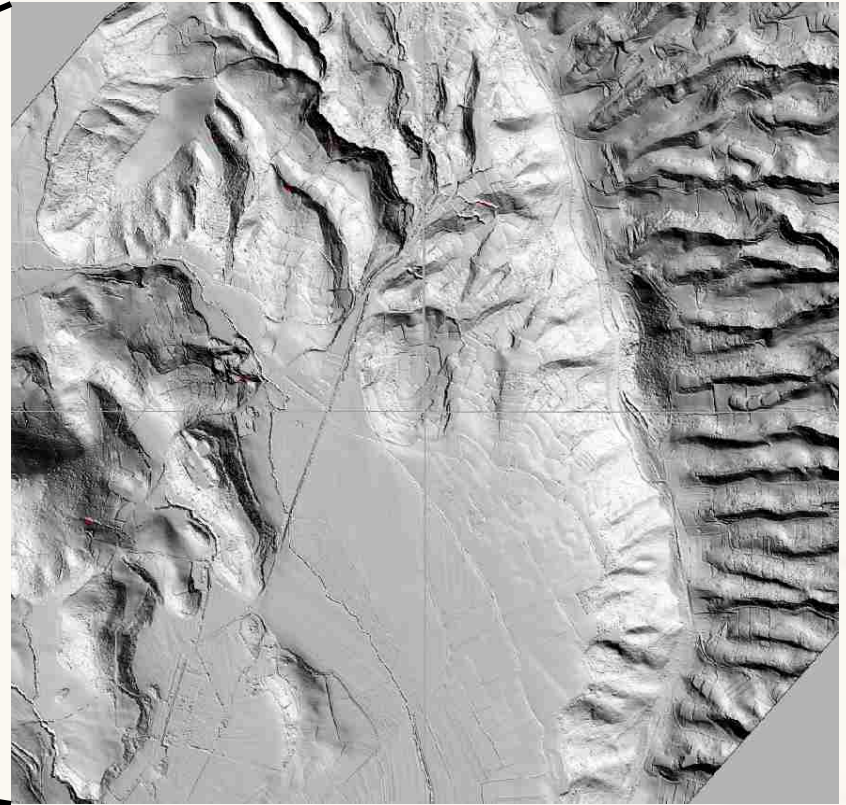
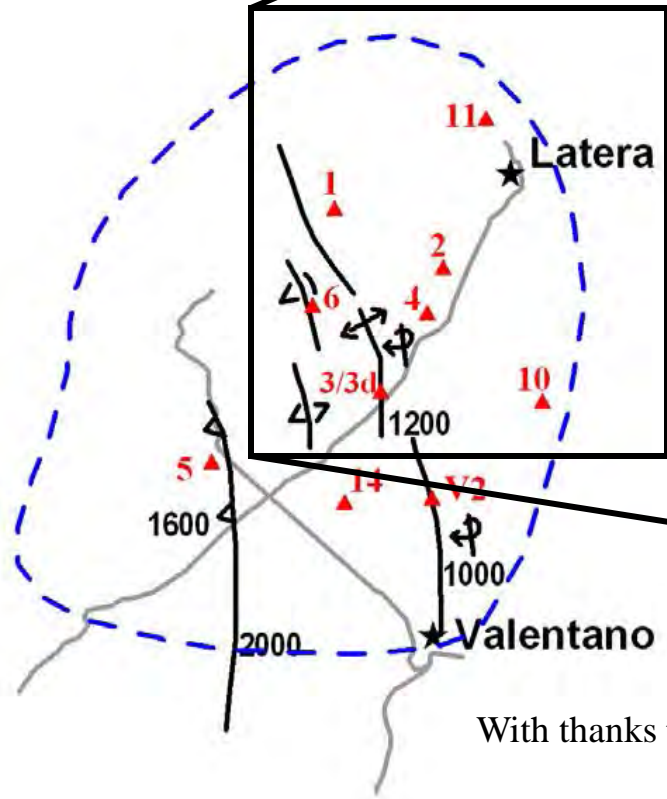
GEOLOGY MAP OF LATERA CALDERA DRAPED ON A DIGITAL ELEVATION MODEL



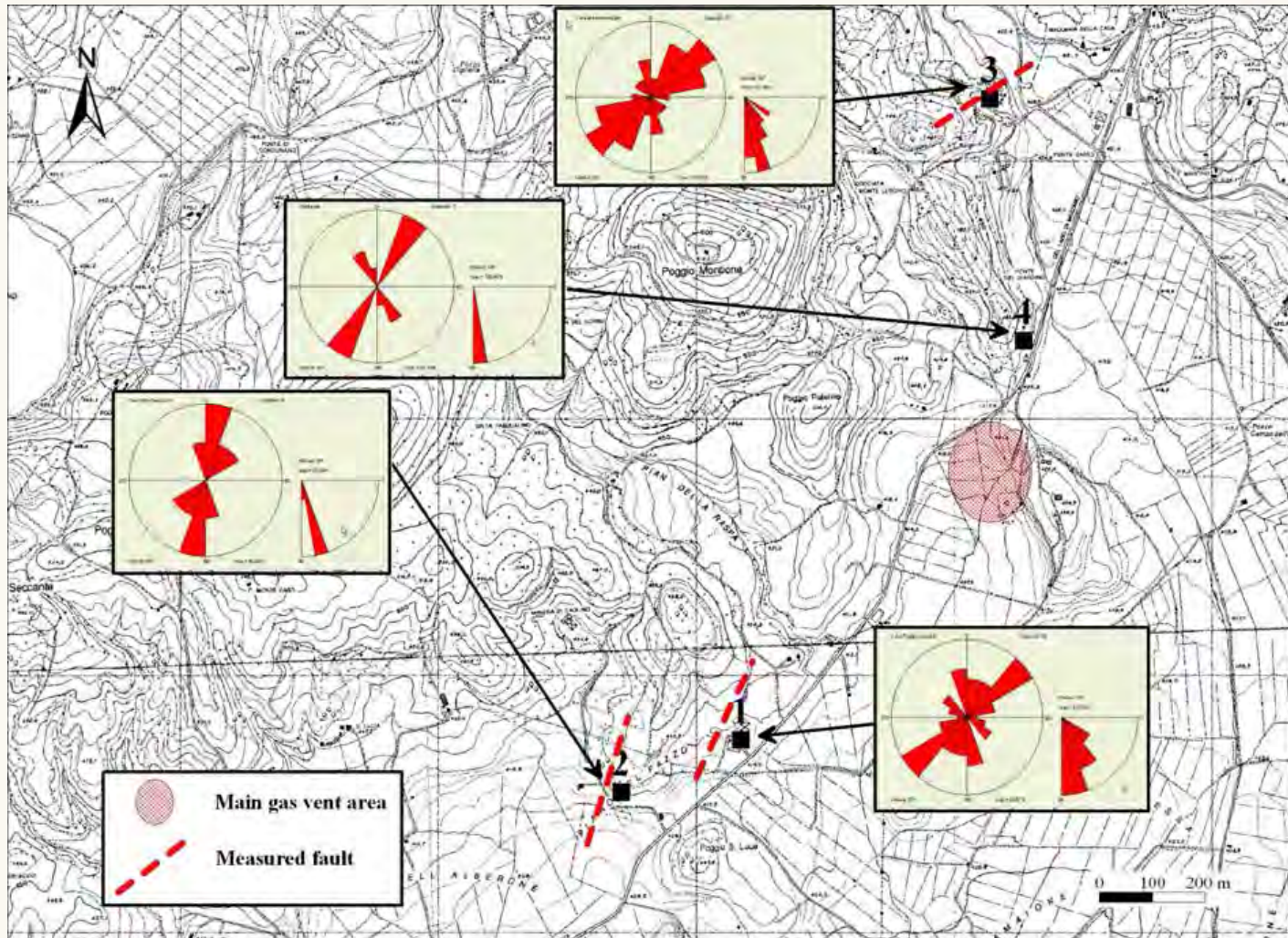
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