

FIRE: Geochemistry of volcanic ash plumes: Implications on air, soil and surface water quality and for human health

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AL1: Meteorological monitoring

- no results sent from the local monitoring equipment



AL2: Database of pathologies related to the eruption and to the volcanic environment

- Health Regional Director will send data
- National Ethic Board approved the study

AL3: Air quality monitoring - gases

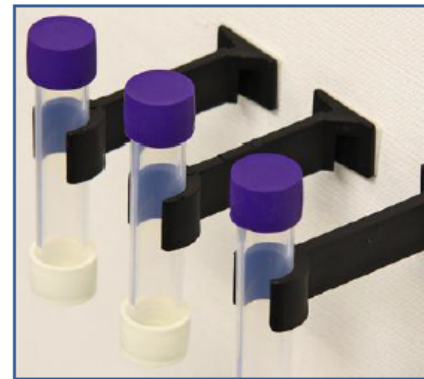
- Diffusive passive sampling tubes for:

⇒ Acid gases

(HF, HCl, HNO₃, HBr, HPO₄ e H₂SO₄)



⇒ SO₂



⇒ VOCs



AL4: Dust monitoring

- Settleable particulate matter was collected on quartz fibre filters, which were placed in petri dishes.





AL5: Water quality

- Not possible with the local conditions and transport needs

AL6: Soil monitoring

- Sampling ongoing





AL7: Statistical Data Analysis

- Not yet



Challenges/issues encountered/anticipated

- Meteorological monitoring
- Water collection and transport
- Sulphur samples - used as medicine



Plans for coming months

- Field sampling
- Laboratorial analysis
- Dissemination activities (conferences, paper submitted/rev/released)