Actions taken by the CRGV/IRGM Mt Cameroon volcano observatory before and during a volcanic eruption

By

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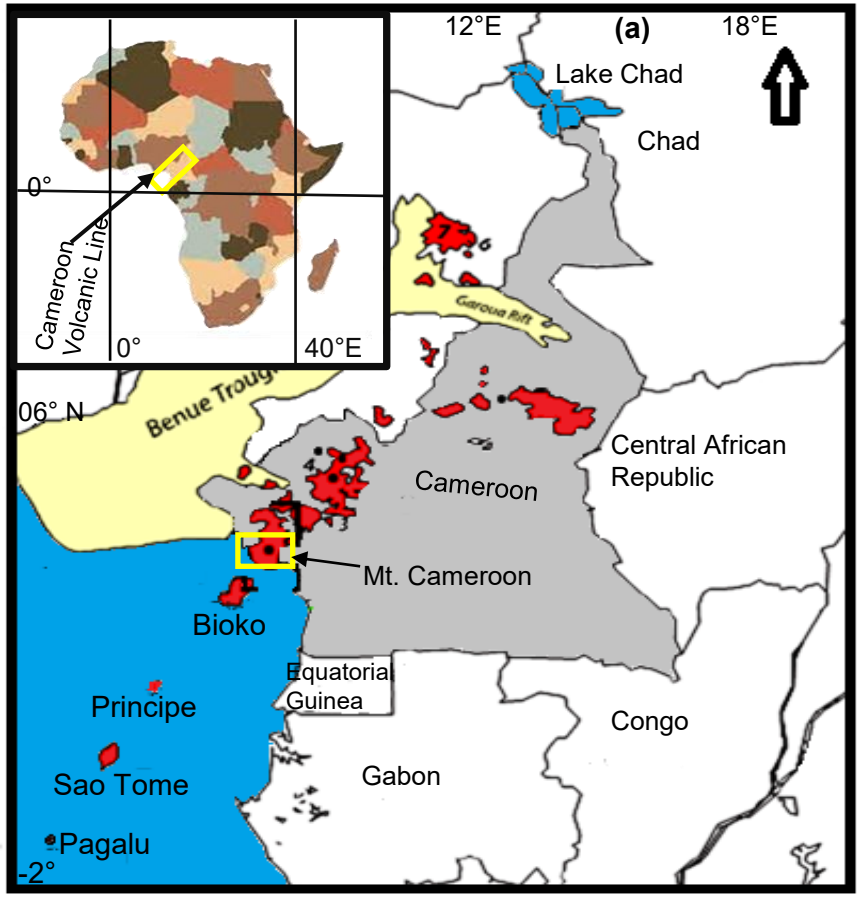
The Mt Cameroon Volcano



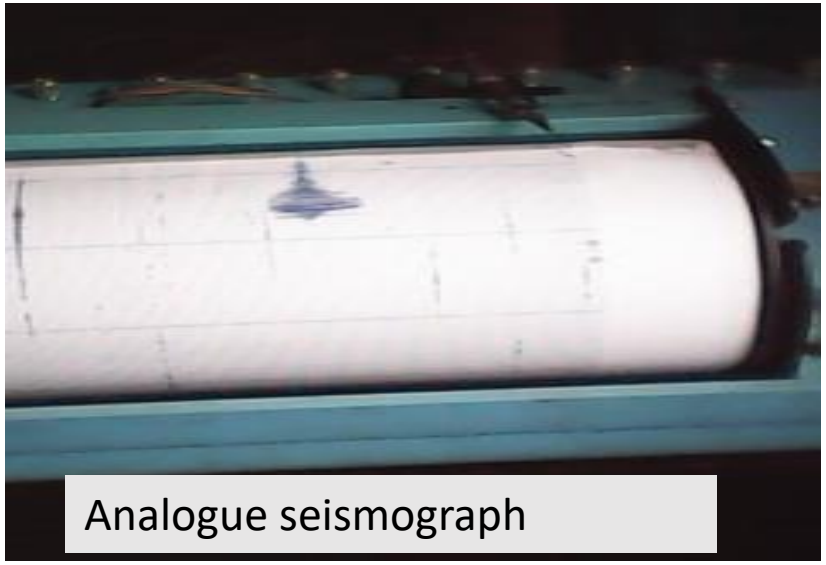
Regional Location of the Mt Cameroon

Sites of recent eruptions of Mt Cameroon

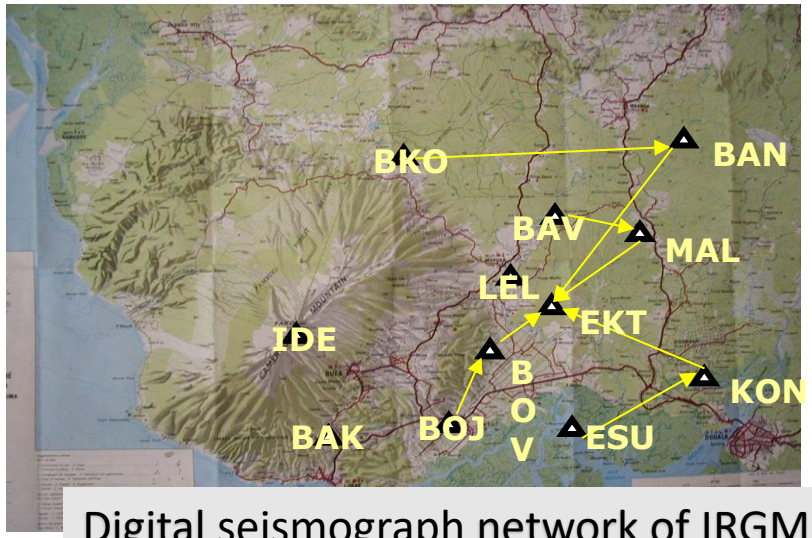
-It is a stratovolcano
-It is of height 4095m above seal level
-One of Africa's most active volcanoes
-07 major eruptions in recent time ie 1909, 1922,1954, 1959, 1982, 1999, 2000
- At least 02 minor eruptions ie 1989, 2012

Some of the daily activities at the Observatory

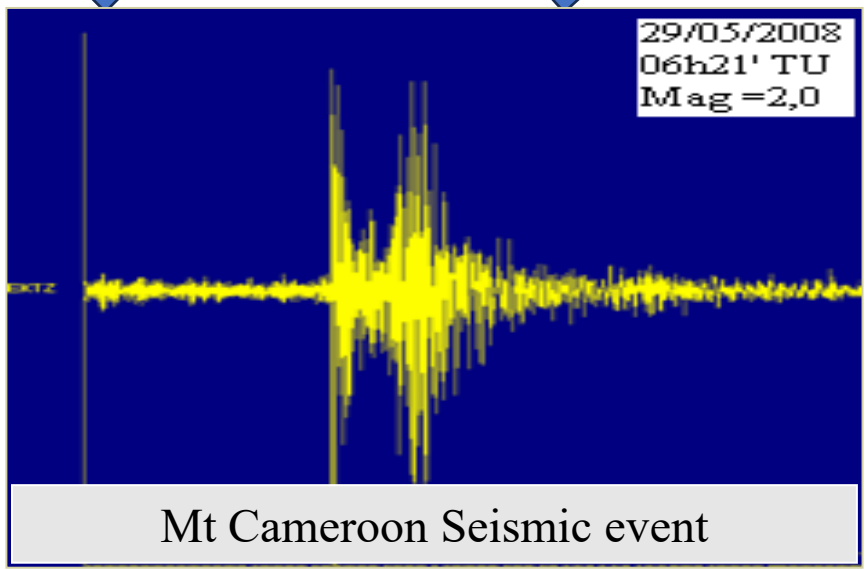
1) Seismic measurements



Analogue seismograph



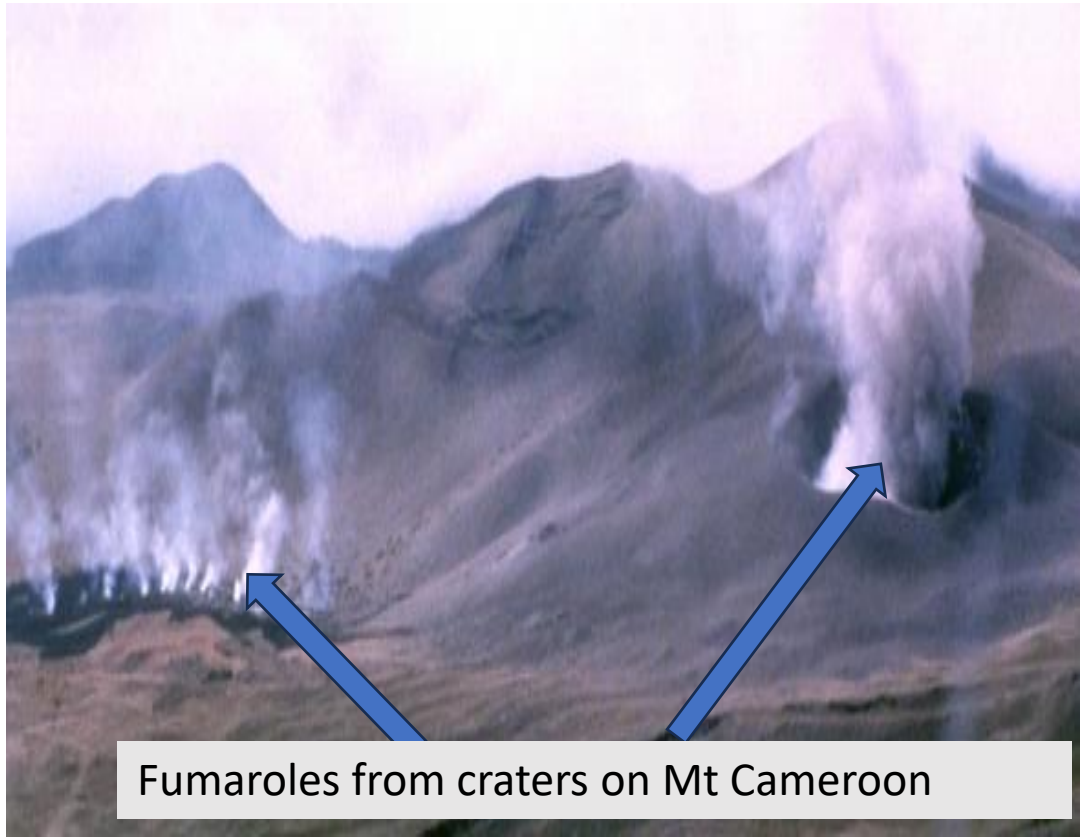
Digital seismograph network of IRGM Round the Volcanoe



Mt Cameroon Seismic event

Some of the daily activities at the Observatory

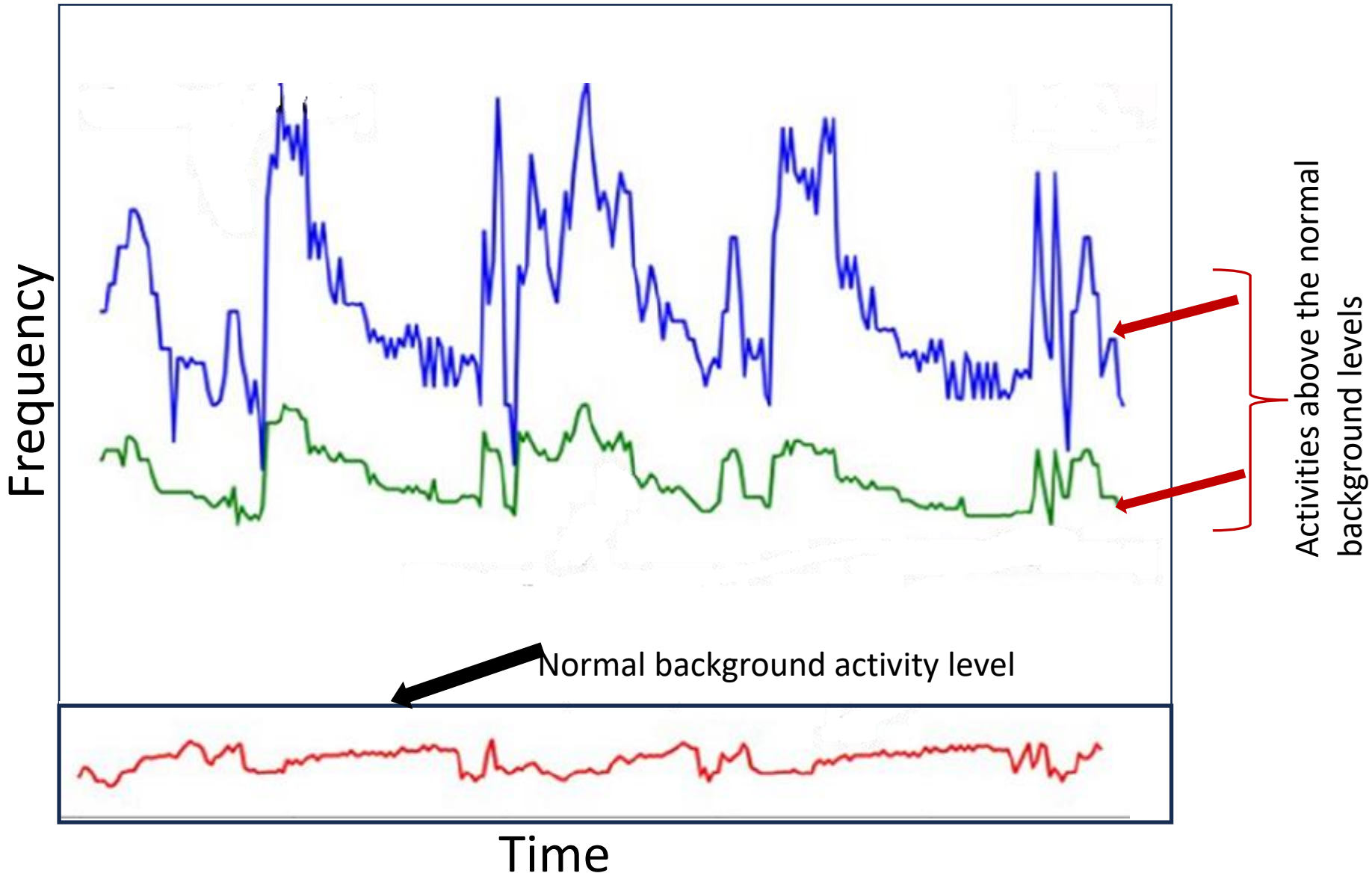
2) Gas Emission Monitoring



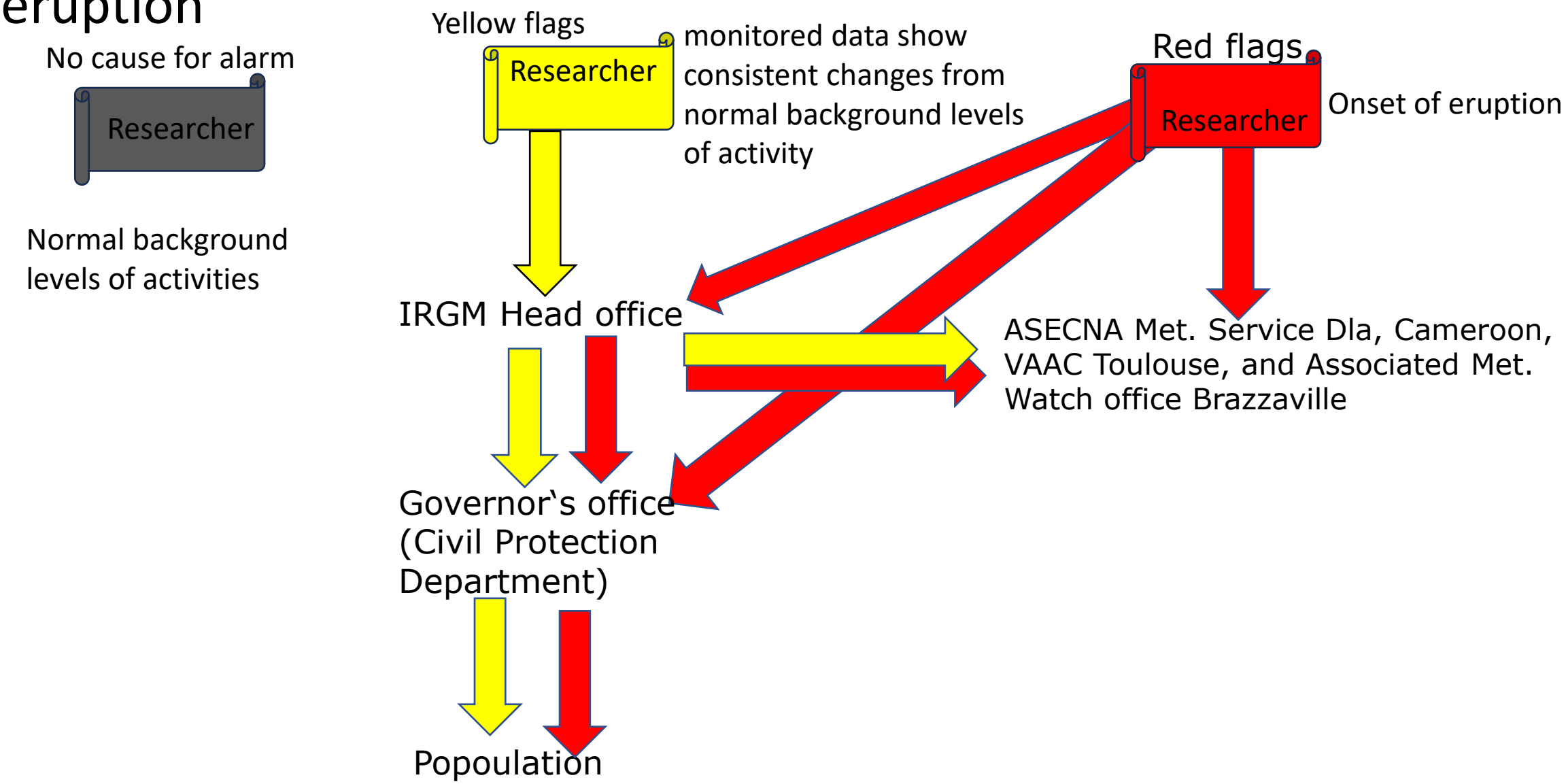
Fumaroles from craters on Mt Cameroon

Volcanoes emit gases and measuring the amount and composition of these.
-These are measured and compared over time to identify unusual increases in gas emissions, which may signal an eruption.

A hypothetical representation of normal and abnormal patterns of activities



Summary of what the Observatory does before and during an eruption




Thank you