

Benoit TAISNE

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Dr. Benoit Taisne joined the Earth Observatory of Singapore, Nanyang Technological University in 2012. He has been studying volcanoes for the last 12 years trying to decipher the physical mechanisms occurring under the Earth's surface and leading to volcanic eruptions. Dr. Benoit Taisne aims to develop tools that could be used in real-time to mitigate risks linked to volcanic eruptions. By using numerical, as well as, analog modeling, his research sheds light into the understanding of magma migration dynamics prior volcanic eruption. Inspired by the time he spends at volcano observatories, he developed tools that could be used in real-time to help the interpretation of signals produced by volcanoes prior to their eruption. More recently, he has been promoting the use of infrasound as a tool to detect remote volcanic explosions capable of injecting volcanic ash into the atmosphere.