

Exploring volcanic gases with DOAS

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In 1999 the presenter had his first encounter with an active volcano, and he made 2 important conclusions:

1. Volcanoes are amazing
2. Here is work to do

He contacted his friend and colleague Prof. Ulrich Platt, and together they launched an EU-project DORSIVA, aiming at *Development of Optical Remote Sensing Instruments for Volcanic Applications*. The rest is history....

Today DOAS instruments are running on more than 40 active volcanoes, providing real-time data on volcanic sulfur dioxide emission rates, used for geophysical and geochemical research and risk assessment. This talk will present successes and failures from 18 years work on active volcanoes, with a lot of pictures.