VOLCANOES_2

Read the following text and use the word given in bold at the end of each line to form a word that fits in the space on the same line:

Software System to Predict the Evolution of the Ash Cloud from the Icelandic Volcano

00	Researchers at the Universidad Politécnica de Madrid's Facultad de Informática have developed a system to forecast	**systematic**
01	the evolution of the ash cloud from Iceland's Eyjafjallajökull volcano. The system is based on an ……..of the volcano's	**estimative**
02	daily emissions gathered using satellite ……., and is available for consultation over the Internet. These emissions vary on	**observe**
03	a daily basis, although, for forecasting purposes, the emissions observed on the satellites are ……. to be constant	**assumption**
04	during the forecasting or model simulation period. This is the biggest …….. of uncertainty, as it is not known exactly how	**resourceful**
05	the volcano's emissions will ..... in the future. The system combines information on the volcano's behavior, gathered	**evolution**
06	twice a day from the satellites, with environmental information, like wind speed and direction, air ……., etc.,	**humid**
07	that influences the evolution of the volcanic ash ……....	**cloudy**
08	……is based on the assumption that the emitted volcanic ash cloud rises from 4.5 to 8 kilometres into the air. The system	**predictive**
09	analyses the information as sulphur .....emissions (SO2).	**oxide**

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10	The …….calculations are made from the above satellite observations, and the results are visualized at three levels using	**day**
11	Dobson units. The Dobson unit (DU) is a way of expressing the quantity of ozone present in the Earth's ……, specifically	**spheric**
12	the stratosphere. In …….. fact, it is a measure of the thickness	**actually**
13	of the ozone layer. In the case of the volcano, this measure is used to determine the …….of the ash cloud. The forecast is	**densely**
14	subject to some ……. because there is no way of ascertaining how the volcano will behave from one day to the next.	**certain**
15	However, the high-quality software model used has been providing forecasts of ozone and other ……since the year 2000.	**pollution**

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