How Can You Check If Your Home is Fine? : A Solution Offered by CSN Linked with Social Media

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Kim et al. (2015) constructed a citizen seismic network (CSN) in Yokohama utilizing MEMS accelerometer and Raspberry Pi. To make the network denser, since the network largely rely on people who put the sensor unit in their house, it is important to make sensor unit useful for them not only when earthquake occurs but also in daily life. For this purpose, we developed various applications for the network linked with social media. In the daily life, utilizing a camera module, the sensor unit can for security and/or pet monitor, and when earthquake occurs people can check inside of their house through the internet. Once the unit detect quake it will tweet to let them know that their house felt it. However, if it does not tweet anything even there are earthquake nearby, people might wonder what happened to their house. So we let sensor units make conversation to figure out who felt and did not felt using the network. Utilizing this application, we believe our sensor network enhanced its value. We will keep developing such applications so that make it more useful and let people welcome to put the sensor unit in their house.

Keywords: MEMS accelerometer, Sensor network, Twitter, Facebook, RaspberryPi, earthquake
Use of social media in Geopark

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We report the use of social media in Geopark.

Keywords: Geopark, Social media
Effects of information transmission using the social media in a large active geopark

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The San’in Kaigan Geopark is located in the west of Japan, spanning approximately 120km from its easternmost point, at Kyogamisaki Cape in the city of Kyotango, to its westernmost point, on the Aoyakaigan Coast in the city of Tottori, and measuring a maximum of 30km from north to south.

In terms of administrative jurisdictions, the Geopark spans a total of three cities and three towns in 3 prefectures (Kyoto Prefecture, Hyogo Prefecture, Tottori Prefecture).

Sharing and generating information is difficult in such a large active geopark. Then, we decided to use a social media to share and generate information smoothly. We created fan page of the geopark to Facebook. We have established an administrator in each area to generate regional information.

Keywords: geopark, facebook, San’in Kaigan Geopark, social media
Results of utilization of facebook for working groups in North Ibaraki Geopark

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Facebook is very useful for the exchange of information because it has many capabilities such as file upload and event planning etc. Since 2012, utilization of facebook for management of four working groups in the North Ibaraki Geopark is carried out. We will present the results of the working groups for geotuor and product development.

Keywords: geopark, North Ibaraki Geopark, facebook