Research on information processing of disaster management
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Disasters may include natural and man-made disasters. Natural disasters include earthquake, cyclone, heatwave, and so one. Man-made disasters include pollution, explosion, war, violence, traffic accidents, terrorism, and so on. For example, the term, environmental disasters, was used to describe (toxic) pollution disasters (https://www.conserve-energy-future.com/worst-environmental-disasters-caused-by-humans.php, accessed on 18 July 2023). The purpose of this project is to investigate whether and how disaster information could be processed effectively by using the three-element model developed by the PI (Yang, 2010; 2016). Information is the first element for disaster management. The other two elements are resources mobilization and inter-organizational collaboration. Resources mobilization and inter-organizational collaboration could not be effective without accurate and timely information. Three main categories for information processing are meanings and/or contents of information, channels, and platforms. Effectiveness will be measured by two main indicators including needs and efficiency. One co-PI, from Ghana, has expressed his high motivation of working with me on the 'galamsey' issue, which means the illegal mining activity engaged by mafia in Ghana and their foreign partners. It also causes the pollution of major rivers in Ghana. The PI, with both disaster and pollution research experiences, is interested in working on the 'galamsey' project by using his research framework, the three-element model. Pollution information should be firstly identified in order to process the information effectively. We are searching for a researcher with any research background as long as having high interests in studying disaster and/or pollution issues/cases. Co-PIs could make cross country comparison and/or working on the galamsey issue.

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