Fault tree analysis및 통계해석을 이용한 기후변화에 따른 하수처리장의 신뢰성 평가

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Extract public sentiment on climate change can be useful on policy decision. Whereas, there are few researches related with the sentiment analysis of negative effects which are along with climate changes. Twitter as a social networking service provides a platform for user to express their opinions and is visible to public, which makes twitter to be a rich resource for academic research. We collected 0.18 million tweets in a week on topic 'climate change', 'air pollution', 'heat waves', 'floods', 'tsunami', and 'hurricane'. The periodical trend was found on tweets number of these topic both daily time scale and weekly time scale. The word count plot is implemented to demonstrate the relative important description words of each topic. The sentiment strength detection is carried out for each topic tweets and the relation between each group data is also analyzed. Acknowledgments: This work was supported by Korea Ministry of Environment (MOE) as Graduate School specialized in Climate Change.