Being the social media capital of the world, the Philippines generates a lot of diversified information that cannot be easily tapped because of the limited capabilities and tools that are available in processing the language unto which these information are written in, the Filipino language. And with Twitter being one of the most commonly used social media platforms in the country, a new level of information dissemination has been established. With an information extraction system that is specifically built for the Filipino language and at the same time for supporting texts that are found in Twitter, respective stakeholders can explore more possibilities and opportunities with regards to effectively utilizing this information from the web with regards to using them for disaster management purposes.

In the disaster management standpoint, there are a number of advantages to having an information extraction system that is specifically made to work with Twitter texts that are written in the Filipino language.

First, respective stakeholders can collect disaster-related information in a way that is less strict because with an information extraction system specifically built for the Filipino language, these stakeholders can effortlessly accept and process information that are written in a much more natural and open way. With this, they can reach out to more people and to more places because they can have a system that can extract information from how Filipinos speak and communicate through the different social media platforms available, and to be specific, in Twitter.

Second, with an information extraction system, respective stakeholders can easily make use of the information that are written in the format of the different variations in the Filipino language like the ‘TXTSPK’ and ‘Code Switching’. With a custom-built information extraction algorithm, the information extraction system will be able to increase the probability of accurately and precisely extracting relevant information from the normal Filipino language and at the same time, include support for the different variations like the ‘TXTSPK’ and ‘Code Switching’.

Third, the information that can be extracted from Twitter can be further utilized to help in disaster relief efforts. With a system that can further categorize tweets automatically can help in extracting more straightforward and meaningful information about the current state of disasters. Certain types of tweets can indicate a specific set of relevant information that can be extracted. Take, for instance, Disaster Information Tweets. Information that can be extracted from this kind of tweets can include, but not limited to, the type of disaster, location of disaster and etc. Or take, for instance, Casualty Report Tweets. Information like the number of casualties or the names of missing people can be extracted from this type of tweets.

Lastly, with can information extraction system that can organize the extracted relevant information, respective stakeholders can now expedite the process of conducting relief operations since they can be presented with information that has already been processed to be easily read and understood by the normal people. With this information extraction system, the process of consolidating necessary relevant disaster-related information can be more intuitive and faster.