Automatic user generated image collecting as database for NEOHAZ 3D flood level mapping project

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ABSTRACT

Based as an practical approach to automatically collect potential content in order to contribute to the NEOHAZ 3D flood level mapping project. As input source, several social-media platforms could be analyzed in terms of their content suitability and availability. The main idea is to create a python script which filters social-media messages spatially (to area of interest) and semantically (specific image tags, here e.g. flood, floodplain). Furthermore, with this approach, different time aspects for flood level mapping could be analyzed (if image quantity is sufficient). A main source of suitable images may be the social-network platform FlickR, with itÂťs detailed image metadata (precise timestamps, sensor information) as well as additional information like autogenerated tags which could be used to identify buildings and at last the easy-to- operate python api. Aim is to create a framework that is capable to collect images from different areas/times with minor changes to the script, for example a shape-file with a bounding box of another area of interest.

Keywords

Some keywords

FIRST SECTION

First subsection

First subsubsection

Bla bla (**key**) . . .