Documentation Earth Keepers

Terra Keepers

The user, when accessing the application with the goal of seeking knowledge about places with risks of landslide, if you will find yourself with a page of search where you should carry out the selection of your preferences, you will not need any registration for use of the system, since this is aimed at the common good, and integration of information related to local risks, or propensities to collapse.

The search will be performed based on the selection of the country, a state and a city, by redirecting the user to another page, this selection will be aided by engine maps and locations offered by third party companies, such as google.

The location data will be integrated into the API (“https://pmm.nasa.gov/precip-apps ”) to generate a map with the conditions of precipitation with an average of fair weather at the time of application, the application will be generated by means of a library of Jquerry and JavaScript, as the example mentioned below:

```
<script>
        teste = {type: 'feature', postMessage: 'teste'};
        $(document).ready(function(){
                                                                    url =
"https://pmmpublisher.pps.eosdis.nasa.gov/products/gpm_1d/export/r01/2017/118/gpm_1d.20170428.geojson";

            $.getJSON(url, function( data ) {
                $.each( data.features, function( key, val ) {
                    console.log(val);
                });
            });

        });
    </script>
```

The code will be worked on presenting the data already interpreted on the screen, along with the location information, such as population, latitude, and longitude, etc.

It will also be available the related events possible information about disasters earlier and on the basis of these existing data, if there is large rainfall in the area an alert is generated, with relevant information and preventive about landslides, it will also be of great importance that is easy to use by users so that they contribute with the private information about events to increment the existing data, and aggregation of extra information such as soil conditions, recent images of the locations and the level of damages if it is the case of a recent disaster situation.

The goal is to provide a larger database and consistent with the current situations and conditions for which the data are likely to be sold to a third party with intentions for future uses. The objective of this application is to provide a possible prevention of the disaster using the own help of the population.