A web-based interactive 2D and 3D GIS application to find the best place to live in a city, using open data and open source software

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What is City Focus?

1. Select your criteria and assigning weights
2. Click to create your map!
3. Check your map
4. Use map controls
5. Check each criterion map
6. Locations of interest
7. Reset

Selected Criteria
- ATMs: 50%
- Banks: 80%
- Coffee Shops: 80%
- Hospitals: 60%
- Police Stations: 60%
- Post Offices: 70%
- Supermarkets: 60%
- Veterinary Clinics: 60%
- Free Wifi: 70%
- Parks: 80%
- Dog Parks: 80%
- Green areas: 50%
- Natural Water: 50%

navigate through the locations of interest

http://muvias.eoapps.eu/cityfocus/application.html
https://github.com/GabrielePrestifilippo/CityFocus
https://youtu.be/oKM7vPGlJAc
Future Improvements

- Possibility for users to get a **glimpse of the changing environment** within a city through trend maps or graphs (e.g. temperature changes in the last five years, etc.)

- Add the **name of best scored city blocks** from the final map (i.e. the cells with the highest scores) by means of geocoding.

- Take more advantage of the **3D functionalities** (e.g. elevate cells according to cells values)

- Add **user-administration functionalities** to gather information about user preferences: useful for urban management and marketing analytics purposes

- Add information about house sale/rent prices as well as **customize criteria for different potential customers** (e.g. accommodation booking website, etc.)

- As a first case study, we considered the city of Milan. In the future, other Italian as well as European cities are planned to be included.