# Future mapping

Mockups for feedback

# Section 1

## National solar map

**What's new**
- National map shown when user has permission to view
- New items in navbar:
    - Region: zooms user in to a specific area of the map to see related data; ; user still selects a state whose data will show at the bottom of the screen, but points in all states within the region will load
    - Map: options to toggle satellite, terrain
    - Search: advanced search options (see slide)
    - Data: data upload; not visible to most users at present
    - Layer: shown as an example here but would enable user to toggle on layers for flood plains, brownfields, etc
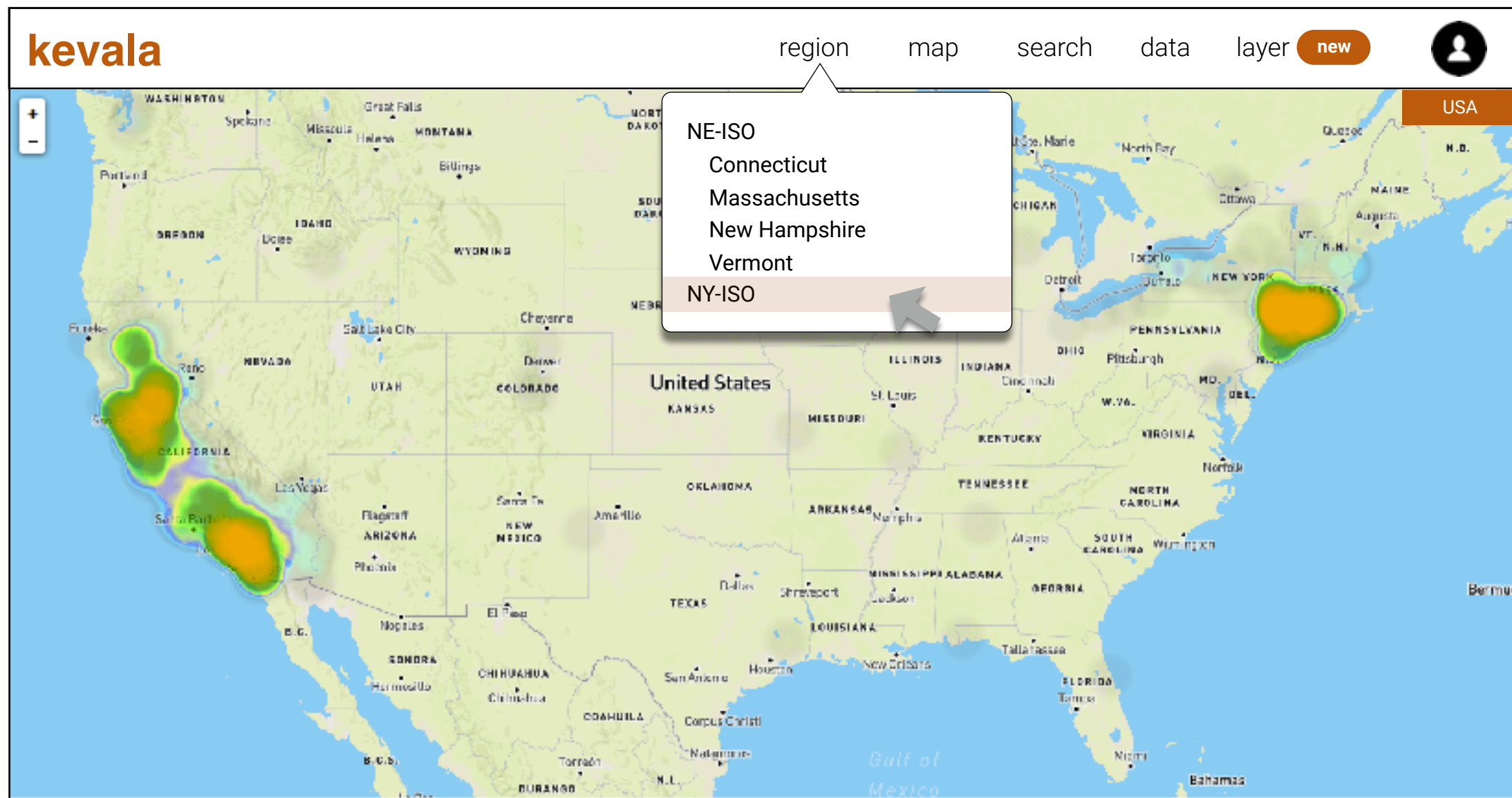- Location name in top right corner of map
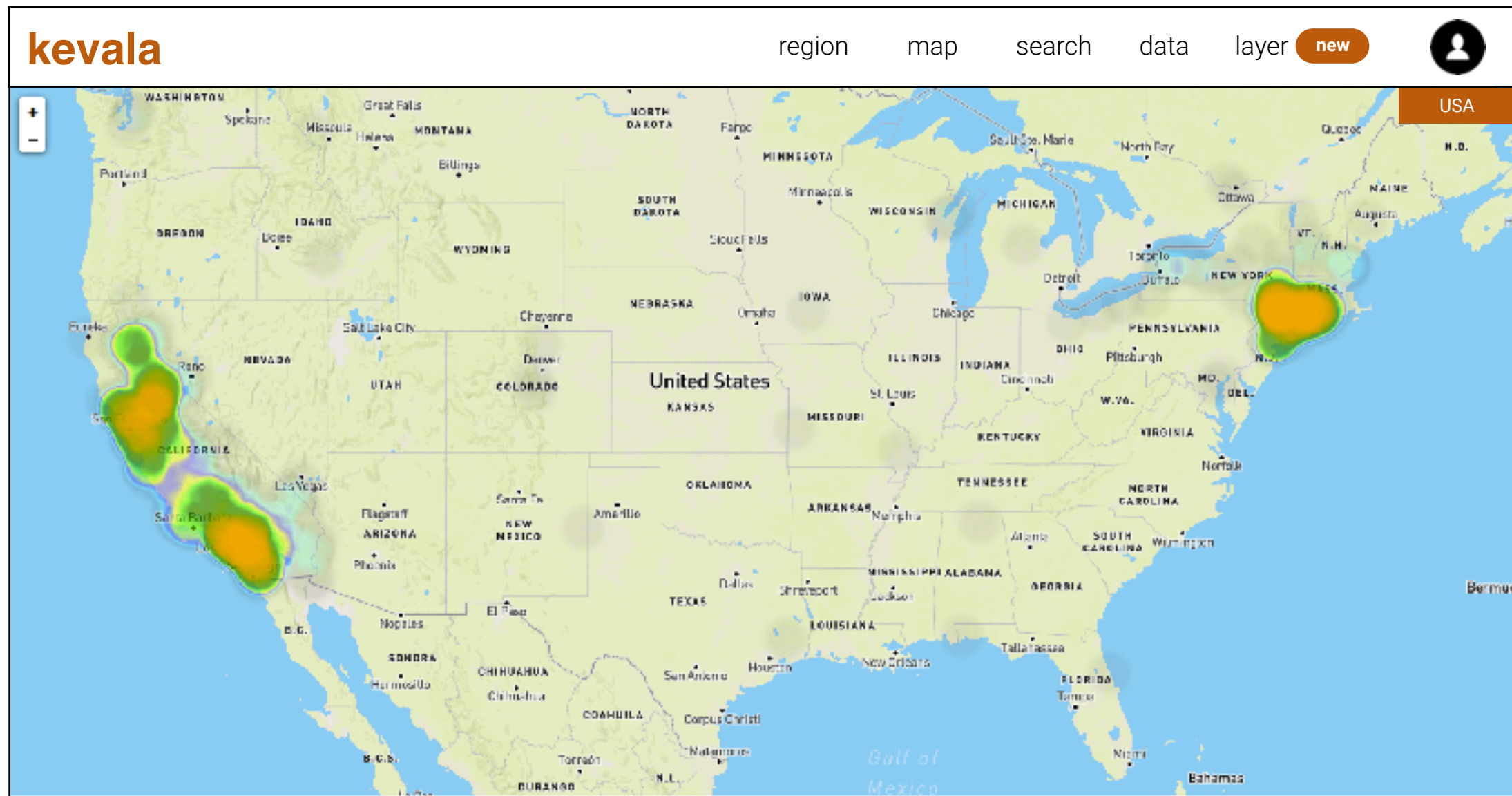
**Notes:**
This mockup shows a "region" dropdown in the navbar when viewing at any level (national map or zoomed to a specific state)
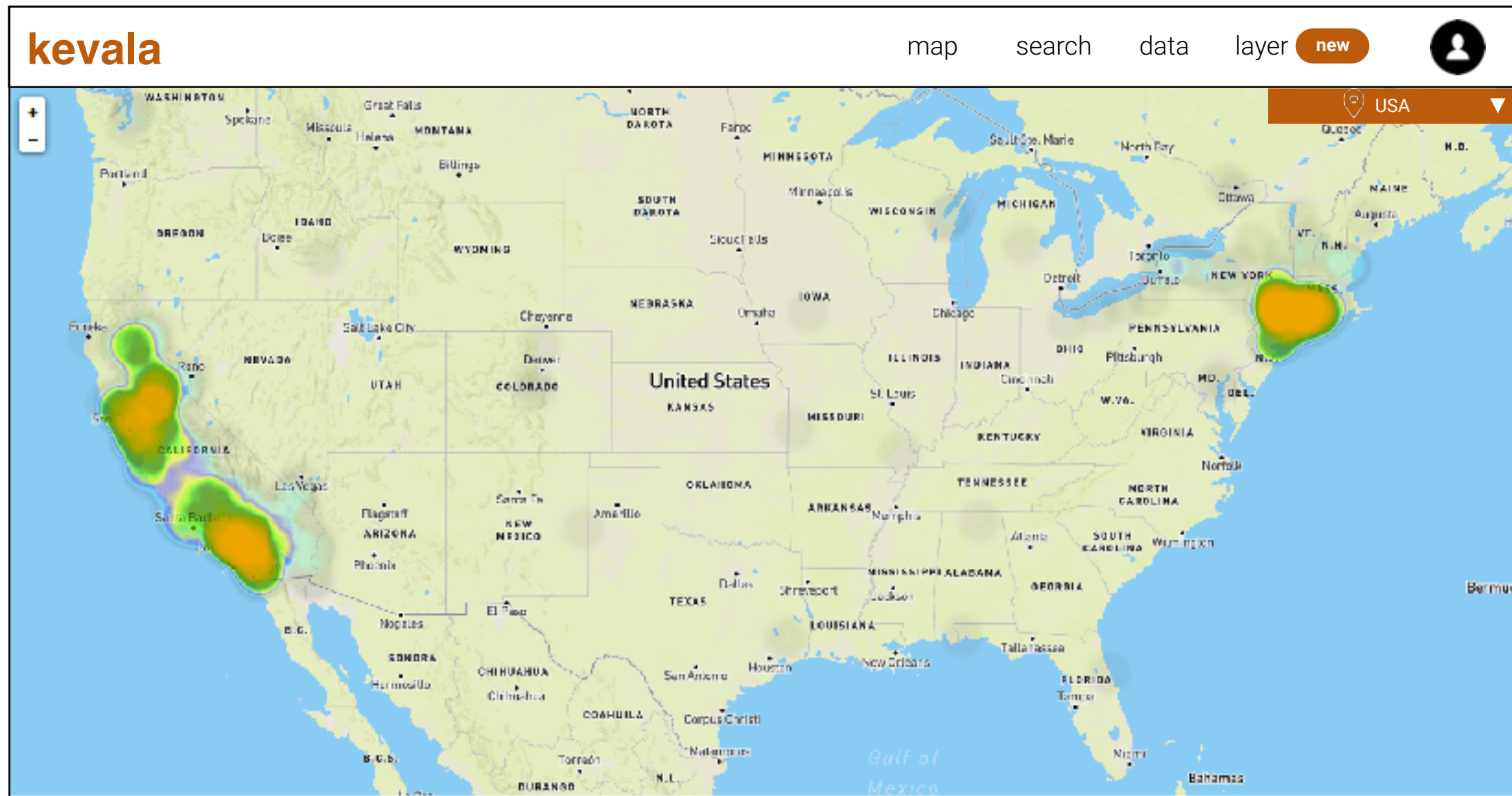and the name of the area selected on the top right

**Notes:**
This is what the region zoom dropdown would look like when expanded.  Was envisioning using the FERC power markets to group the state views, but since states are in two regions, that may present problems.  We could also split by geo region and display the Market the parcel/sub/feeder, etc is in in its summary data
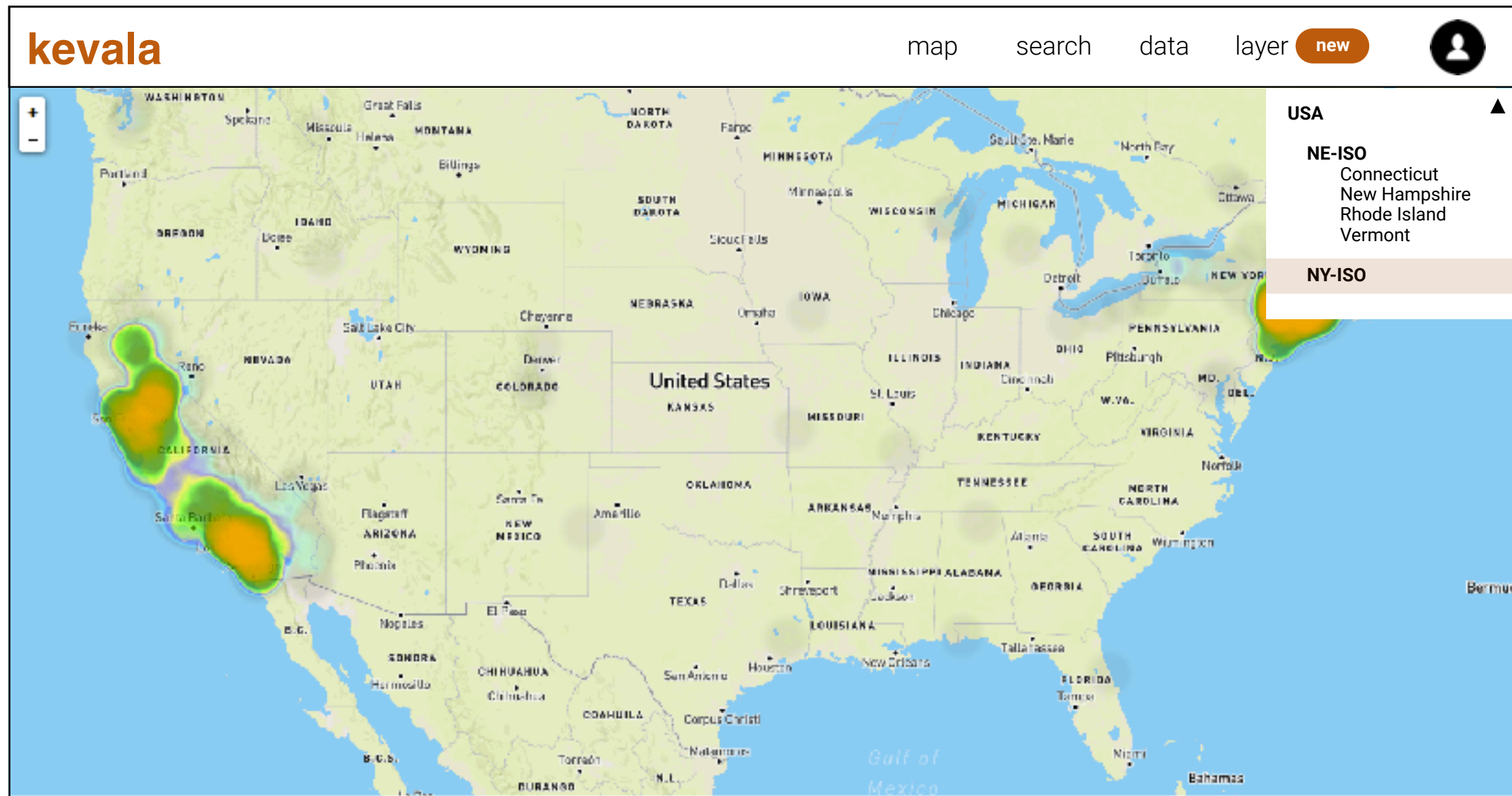
**Notes:**

This mockup shows a "region" dropdown on the top right hand corner of the map area, which doubles as an indicator for what is being viewed.

This is the recommended approach, so I'm using it in the mocks from here on out.

**Notes:**
This is what the region zoom dropdown would look like when expanded.  Was envisioning using the FERC power markets (https://www.ferc.gov/market-oversight/mkt-electric/overview.asp ) to group the state views, but since states are in two regions, that may present problems. We could also split by geo region and display the Market the parcel/sub/feeder, etc is in in its summary data.
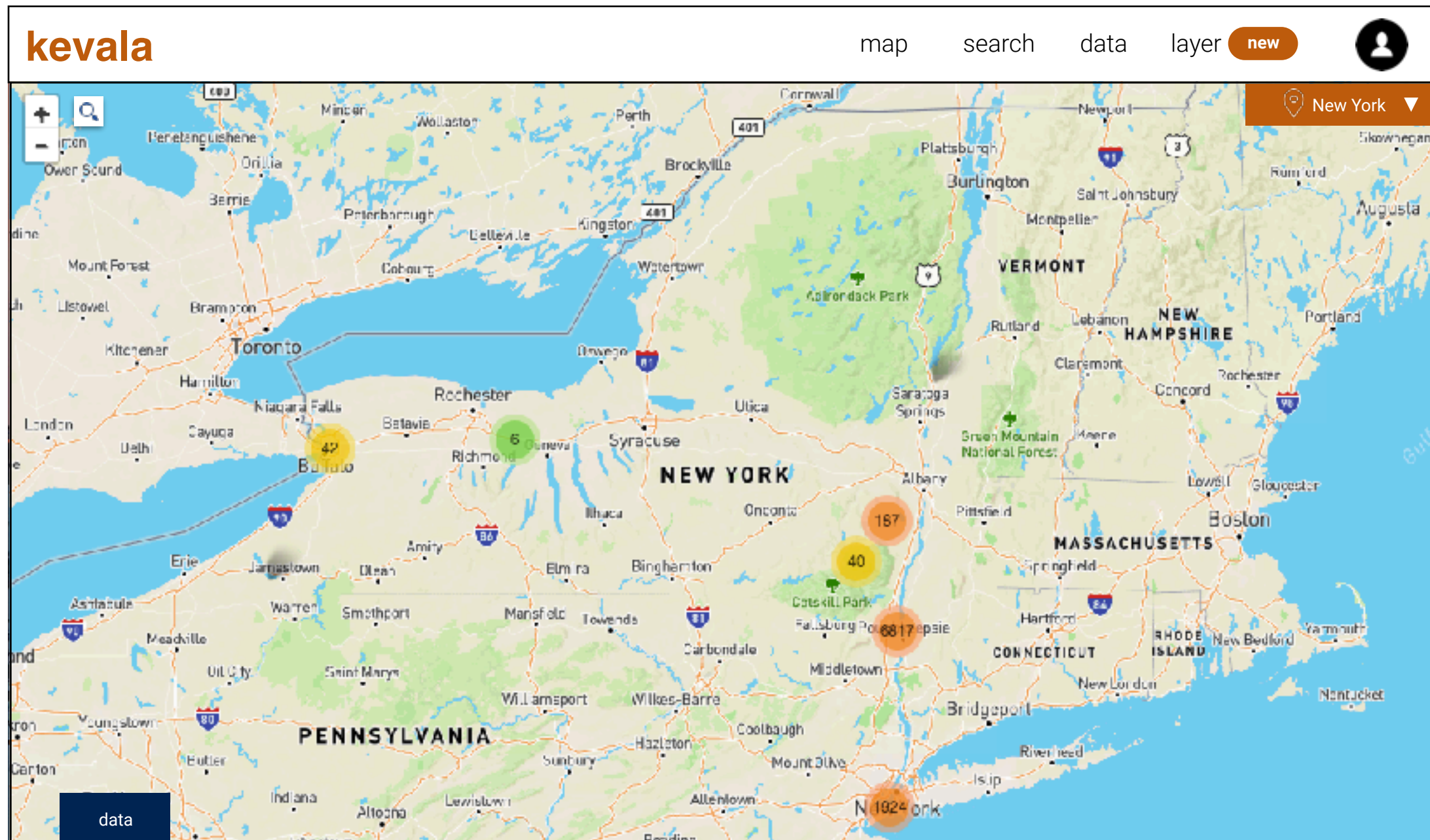
# Section 2
## Regional views & geo-based search

**What's new**
- Users can navigate here from the national map, or start here depending on their permissions
- Location name user is zoomed to in top right corner of map
- Search based on autocomplete (not completely free text, name must appear in autocomplete to be selected and displayed)

# State level view option 1: MapboxJS & LeafletJS cluster library



**Notes:**
Points are clustered and can be clicked on to zoom/expand rather than heatmap
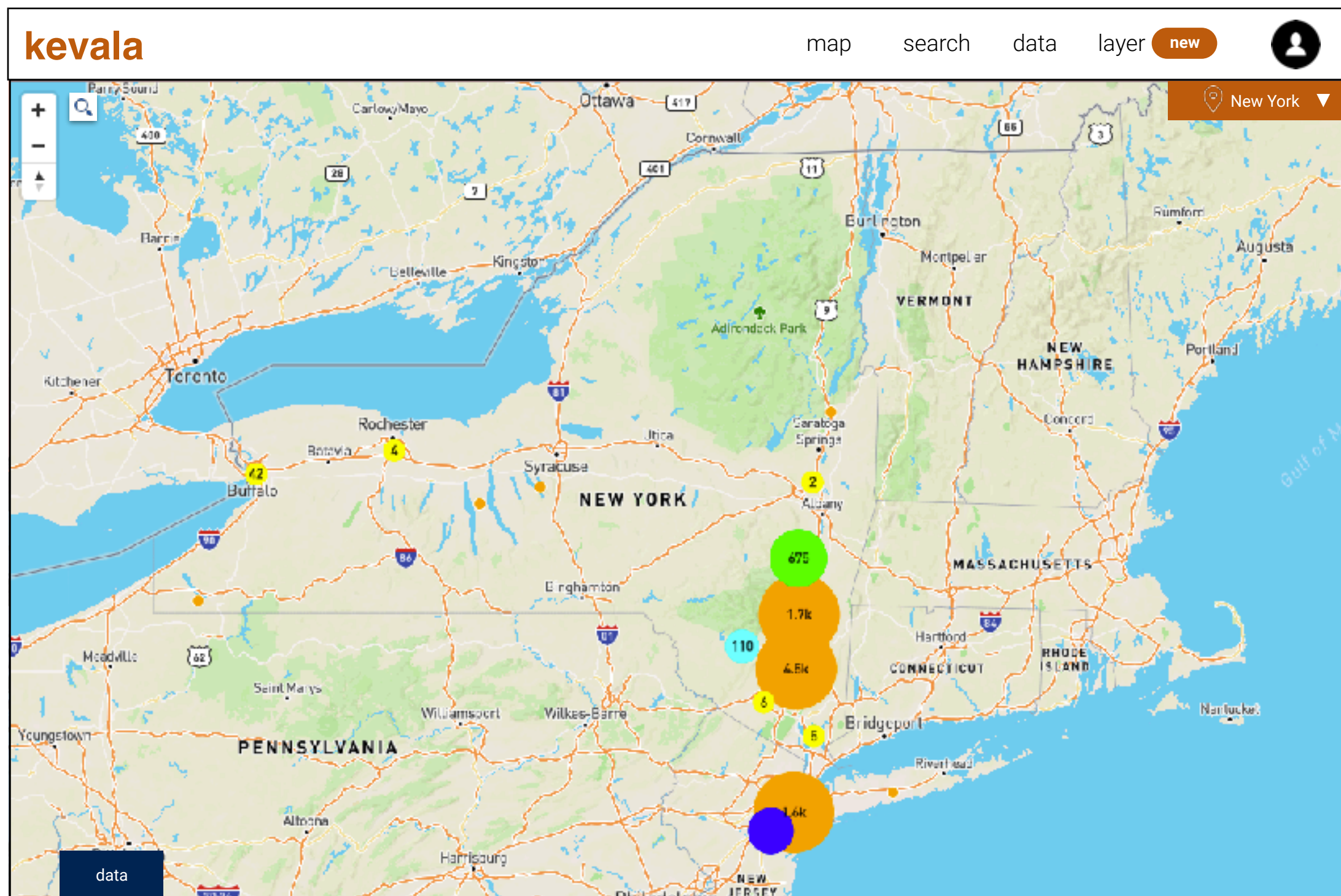
Note the search icon in the top left is contracted

**Notes:**
Points are clustered and can be clicked on to zoom/expand rather than heatmap

Note the search icon in the top left is contracted

# kevala

region     map     search     data     layer  new

New York ▼

county, legislative district, lat lon, address

data
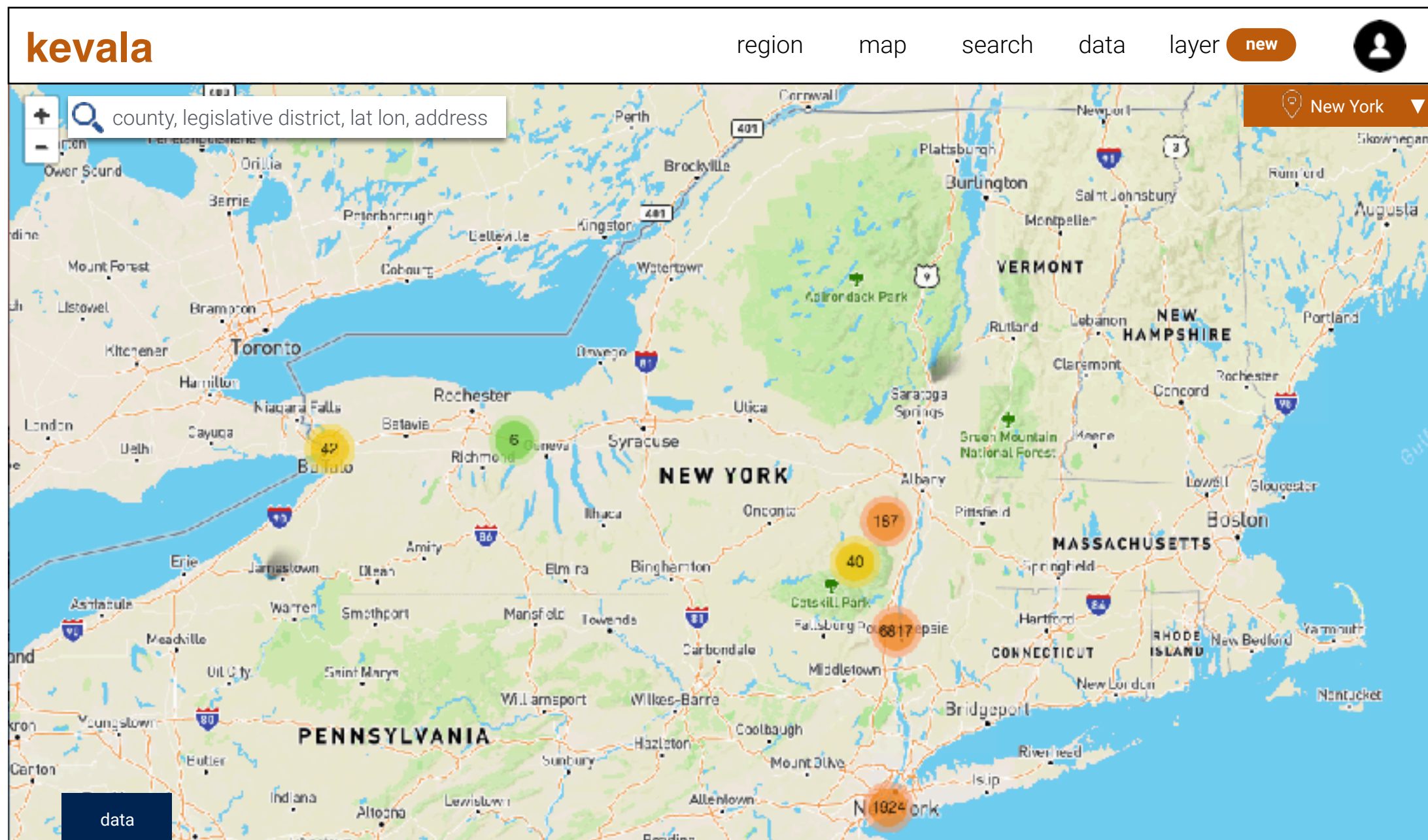
**Notes:**
Search box expands to the right and in height and shows helper text; would include addressses, lat long, county, leg district, etc with autocomplete

**Notes:**
Autocomplete works as it does currently with minor styling changes.

# Section 3
## Search/filter by object

**What's new**
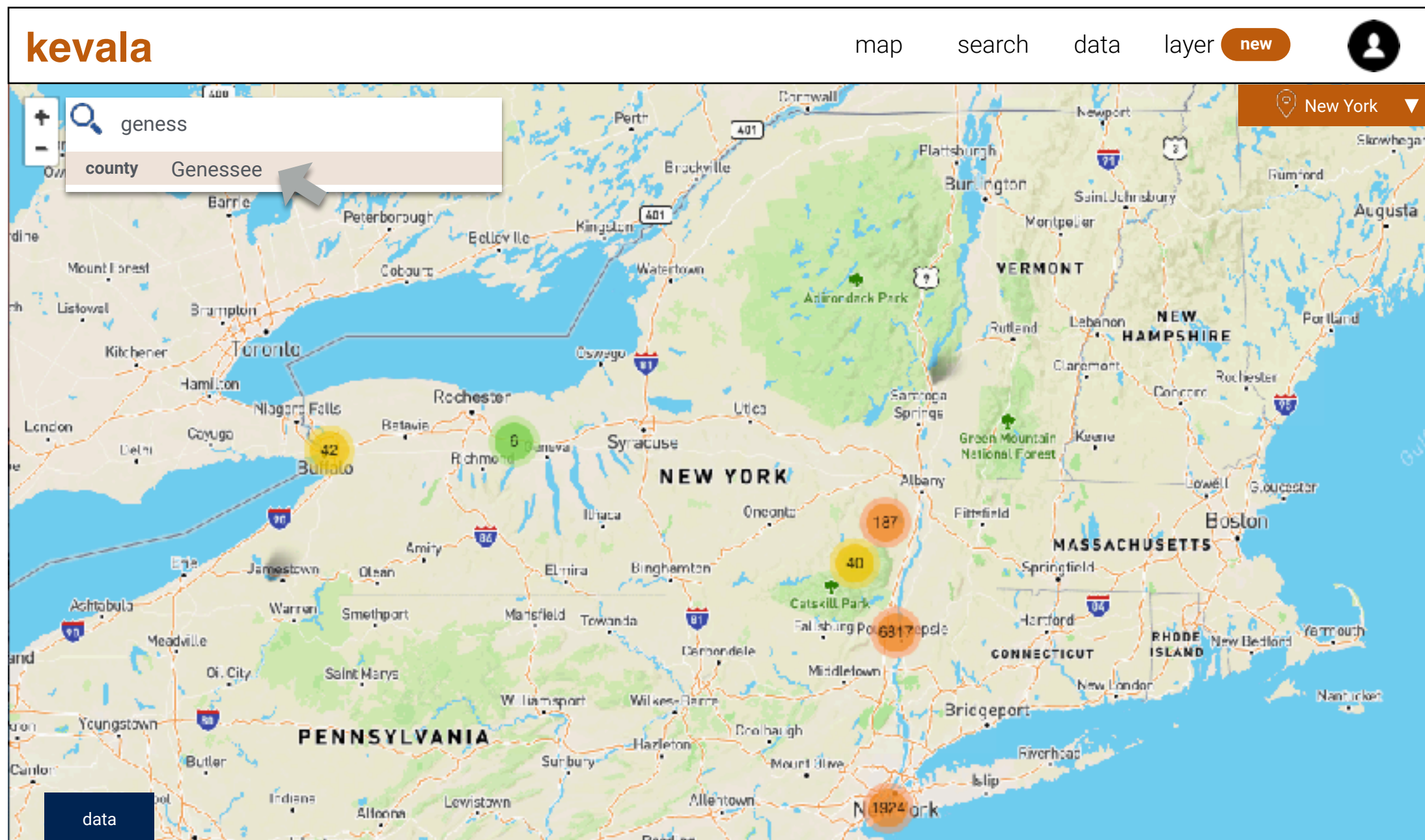- Revamp the filter functionality to make it more flexible and able to find many different types of objects: substations, feeders, projects, parcels, etc
- For all options, user would click on "search" option on navbar…we could also call this filter but I think that's less clear
- The idea with this type of search is that we are repackaging and leveraging data that we should have available in the database as we have clean and unified tables available (<u>outlined in roadmap repo issues</u>)

**kevala**                    region    map    search    data    layer  new

county, legislative distric...                                        New York

**search**

search type        | parcel                    ▼ |

criteria           | size (acres)              ▼ |

◆——————————————◆——————
0.5                              120

utility zone       | C - Central               ▼ |

[ cancel ]  [ search ]

data

**Notes:**
This does not depict all of the fields we might want to include, more to give an idea of how it might look/feel

# kevala

region     map     search     data     layer   new

New York ▼

**search type**

| parcel ▼ |

**criteria**

| size (acres) ▼ |

0.5     120

**utility zone**

| C - Central ▼ |

187

40

6317epole

| clear | search |

**Notes:**
This does not depict all of the fields we might want to include, more to give an idea of how it might look/feel

# kevala

region    map    search    data    layer  new

**select**          feeder          parcel          project      ⊘ substation          utility district      **clear all**

search type    | parcel ▼ |

criteria    | size (acres) ▼ |

◆————————————◆

0.5                    120

utility zone    | C - Central ▼ |

cancel          **search**

**Notes:**
This does not depict all of the fields we might want to include, more to give an idea of how it might look/feel

**kevala**

region     map     search     data     layer  new

New York  ▼

**applied searches**

**substation**                                     ⊗
Min voltage 20; Max voltage: 40

**add search**

search type          | parcel                        ▼ |

criteria             | size (acres)                  ▼ |

◆━━━━━━━━━━━━━◆━━━━━━
0.5                              120

utility zone         | C - Central                   ▼ |

clear          search

data

**Notes:**
This does not depict all of the fields we might want to include, more to give an idea of how it might look/feel.  This is the only one that depicts applied/existing searches — that could be a later addition.