

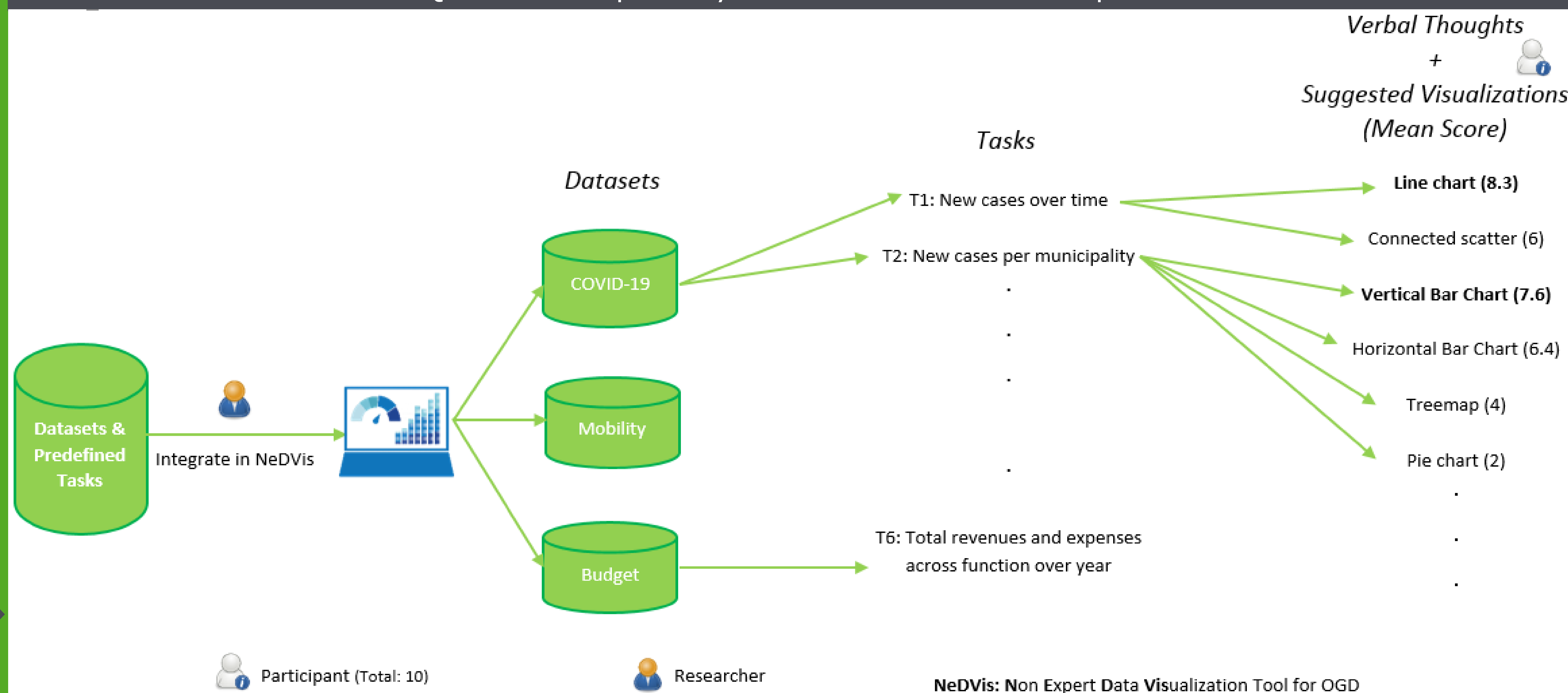
Context



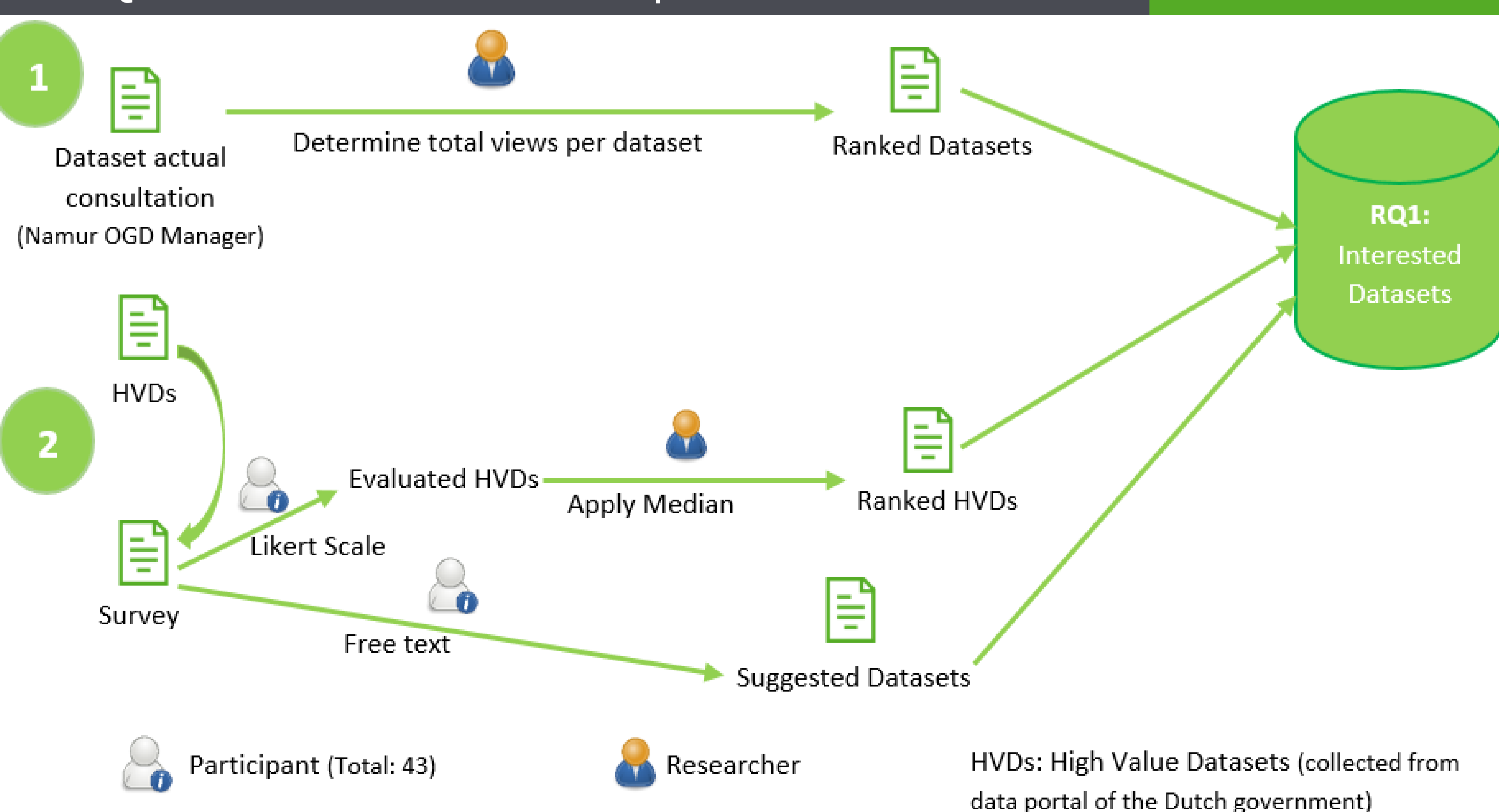
Open Government Data (OGD): Data made available online by governments for anyone to freely reuse

- ⇒ Objective: Increase transparency and better **reuse by citizens**
- ⇒ Problem: **Lack of technical skills** to use OGD
- ⇒ Solution: **Development of applications and services** for citizens by programmers using OGD
- ⇒ Barriers:
 - **Lack of information about interesting datasets** by citizens (RQ1)
 - **Not enough knowledge of the type and design of visualization** understandable by citizens (RQ2)

RQ2: How to optimally visualize OGD to non-experts?

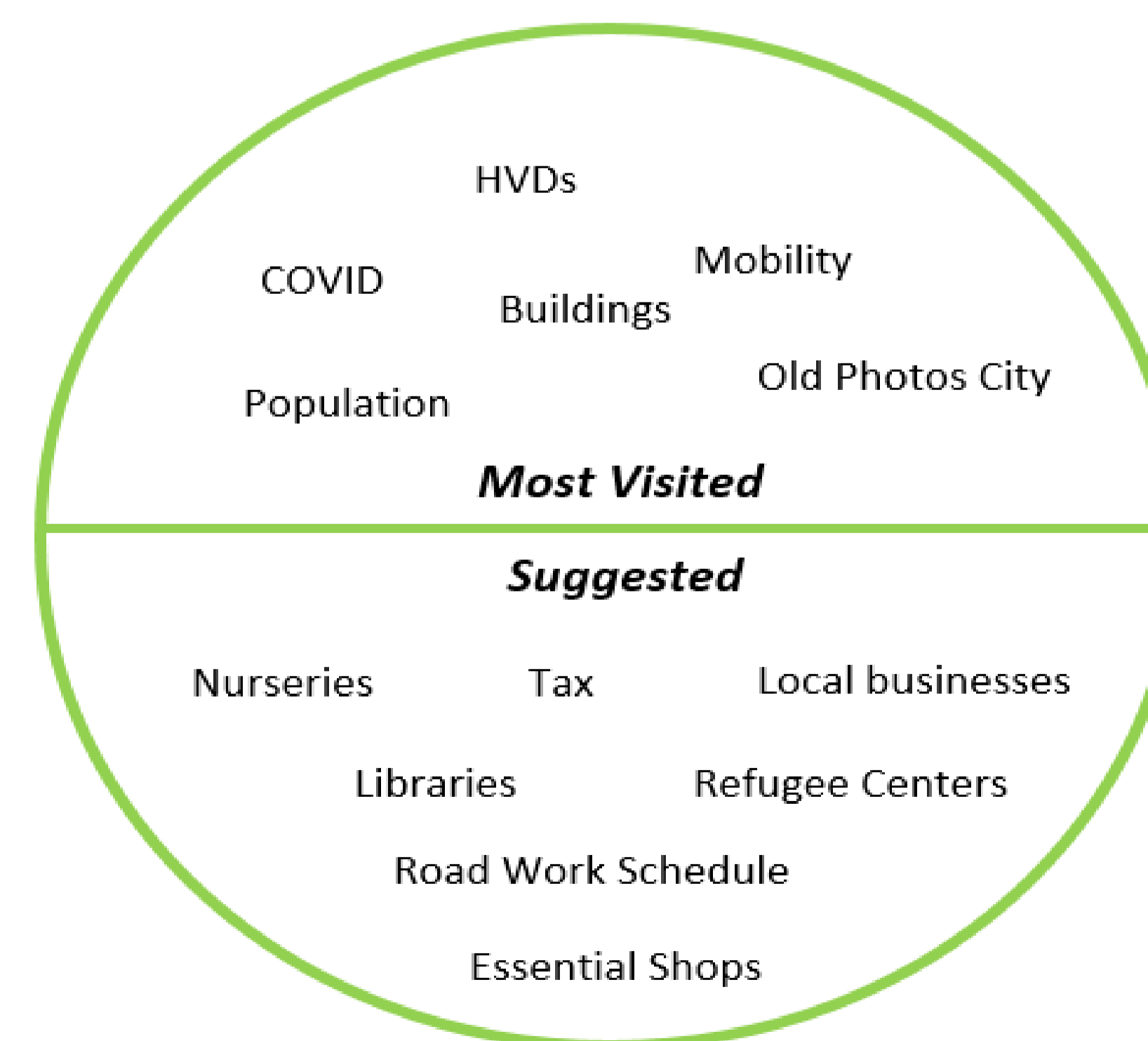


RQ1: What data are non-experts interested in?



Results & Future Work

Content Expectations (RQ1)



⇒ Add feedback feature on portal to collect user expectations in terms of the needed datasets

Visualization Expectations (RQ2)

- ⇒ Best Visualization Type:
 - Geographic data - Bubble map
 - Comparing categorical data - Bar graph
 - Seeing the evolution over time - Line graph
- ⇒ Design Recommendations:
 - Add visualization review feature
 - Allow access to low-level visual encodings
 - Provide search functionality for each visualization

Future Work

- ⇒ Increase the number of participants to have statistical significance
- ⇒ Cover more visualization types
- ⇒ Integrate recommendations in NeDVis