This project aims to visualize the VAST 2008 cell phone dataset. This synthetic dataset consists of cell phone records of 400 unidentified inhabitants of the fictional Isla del Sueno, recorded over a period of ten days. During this time, almost 10,000 calls were tracked including data about the duration, time and originating cell tower. In addition, the challenge description provides some partial information about key individuals of the island’s social network.

Based on these records, we would like to gain insight into the social structure of Isla del Sueno. Specifically, we want to focus on three tasks:

- Detection of social clusters and cliques
- Identification of central entities of the social network
- Identification of individual persons

Graph Filtering

- Hides unneeded or negligible information
- Focuses relevant nodes and edges
- Allows arbitrary combination of different filters
- Automatic node positioning and coloring with respect to the current filter setting
- Offers soft filtering functionality

Views

- Provide detailed information about selected entities
- Support for custom node labeling

Areal coverage and time breakdown allow in-depth analysis of a subscriber’s behaviour.