

# New Mobility Demands a New Concept

## Development of a New Mobility Concept for the FHNW Campus Brugg-Windisch

### Initial position

The Brugg-Windisch Campus is growing. Between 2013 and 2016, within only three years, the number of people working on the campus has doubled. According to the AGIS map of the canton of Aargau, the Brugg-Windisch campus is in the public transport class A. However, the constant growth of people travelling to the campus on a daily basis requires a revision of the current mobility concept. This not only because the current concept does not cover the increased number of people but also new mobility offers that exist today.

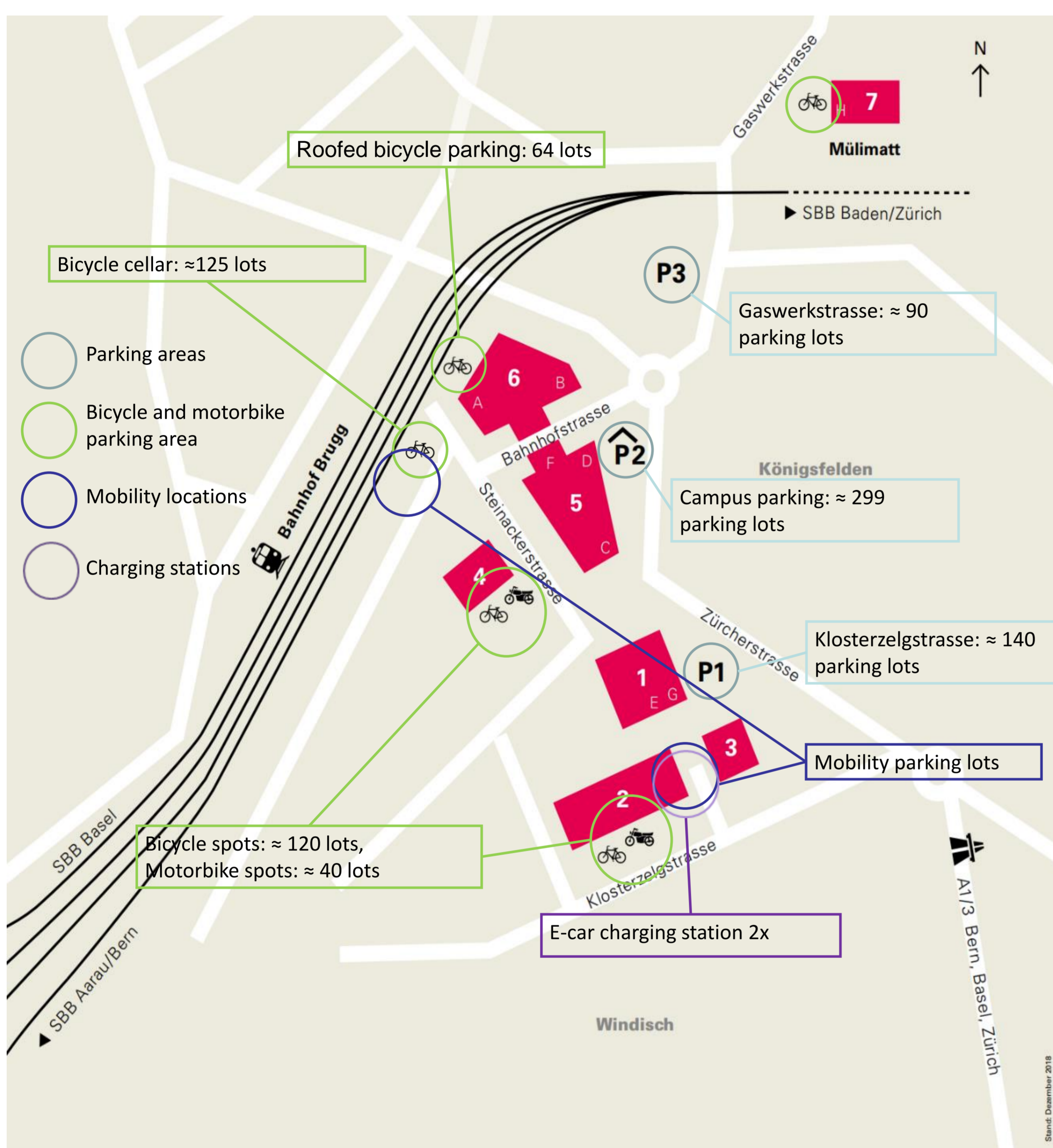
The new concept should especially address the influence of new forms of mobility such as car sharing, carpooling or the switch to e-mobility.

### Project aims

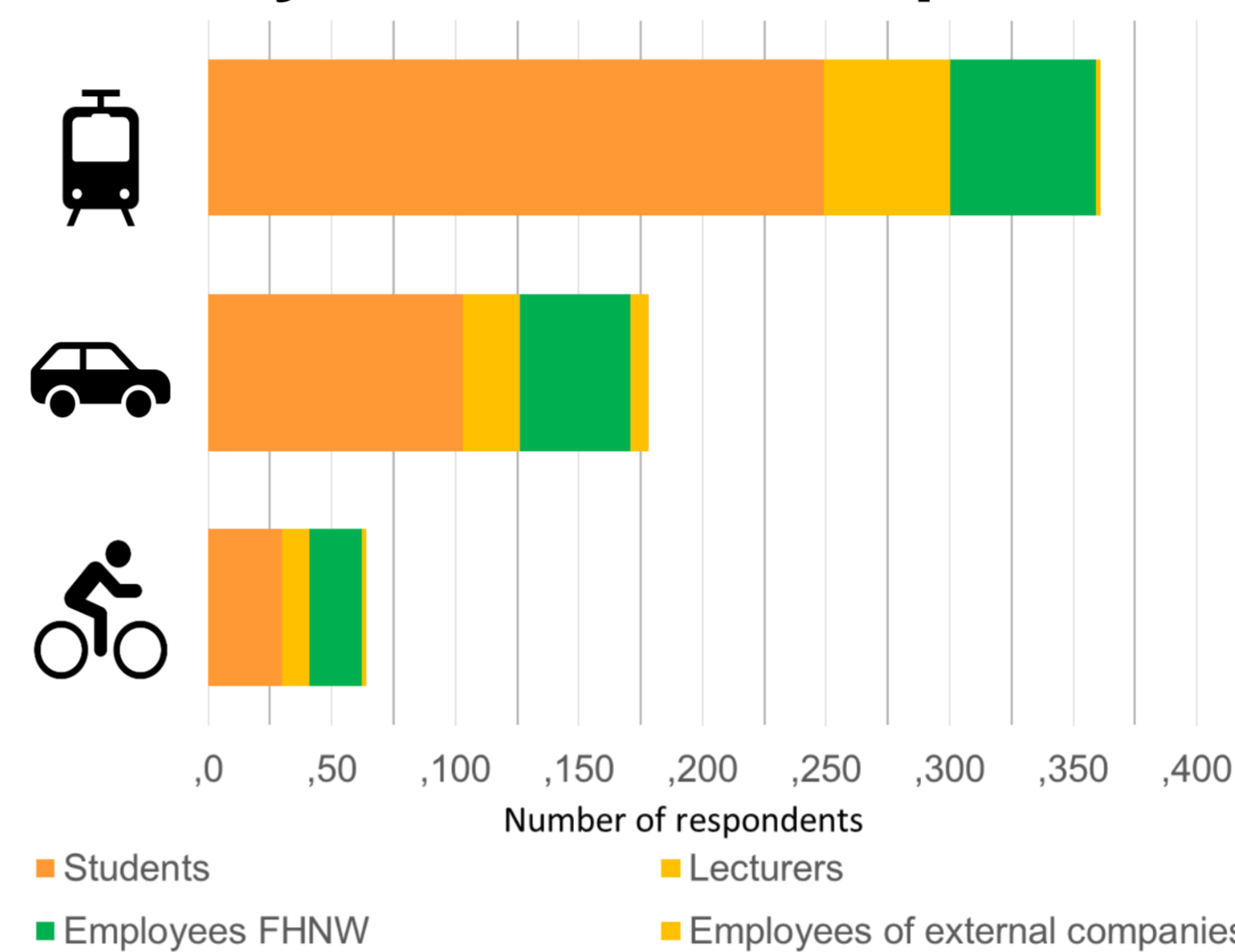
The main aim of this project-work is the development of a new mobility concept for the campus Brugg-Windisch.

- Creation of a mobility concept.
- Determining the stakeholders.
- Creation of a survey to identify the mobility needs of stakeholders.
- Analysis of the current situation.
- Inclusion of new mobility solutions.
- Catalogue of measures to promote environmentally friendly mobility.

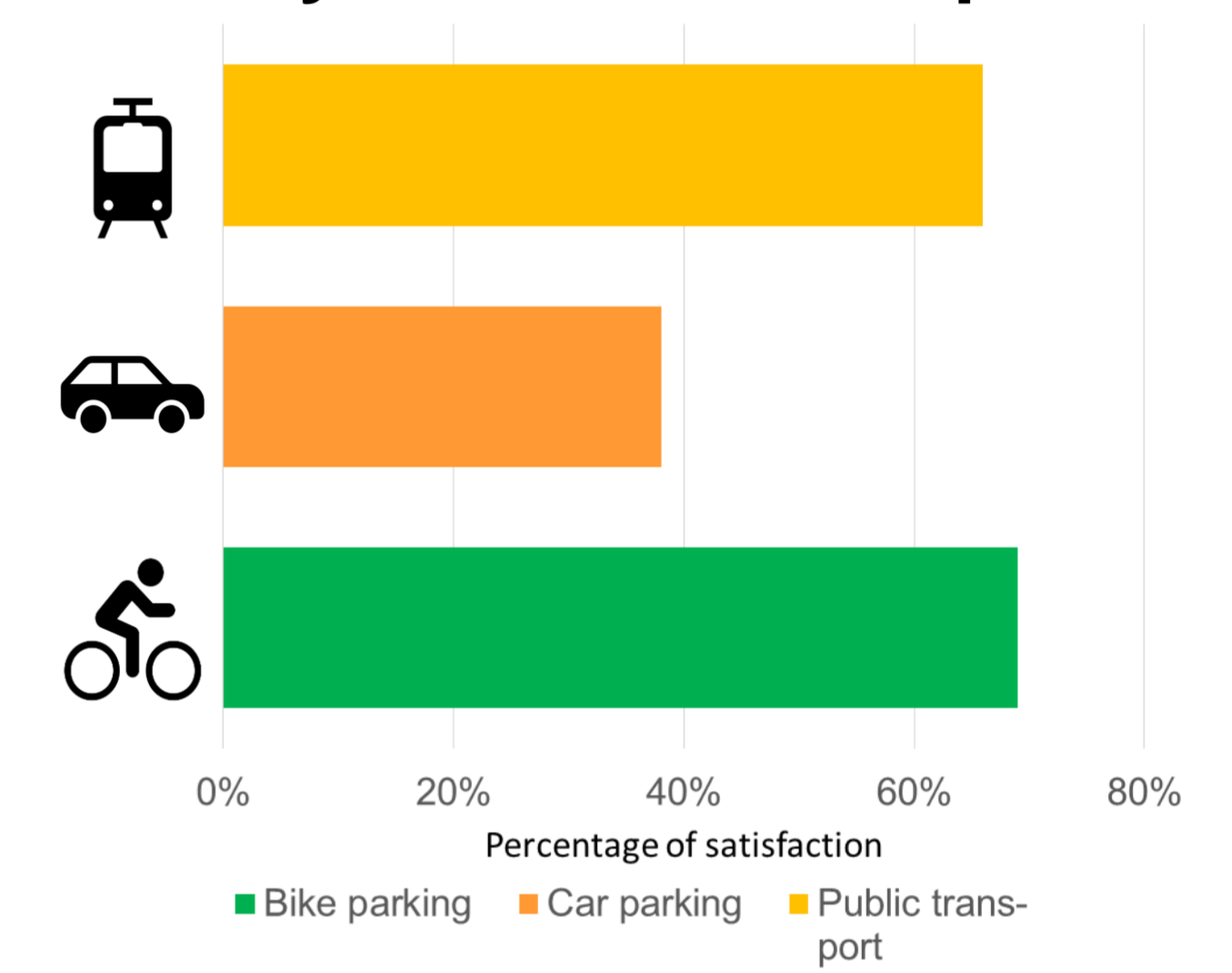
### Mobility situation at the campus Brugg-Windisch



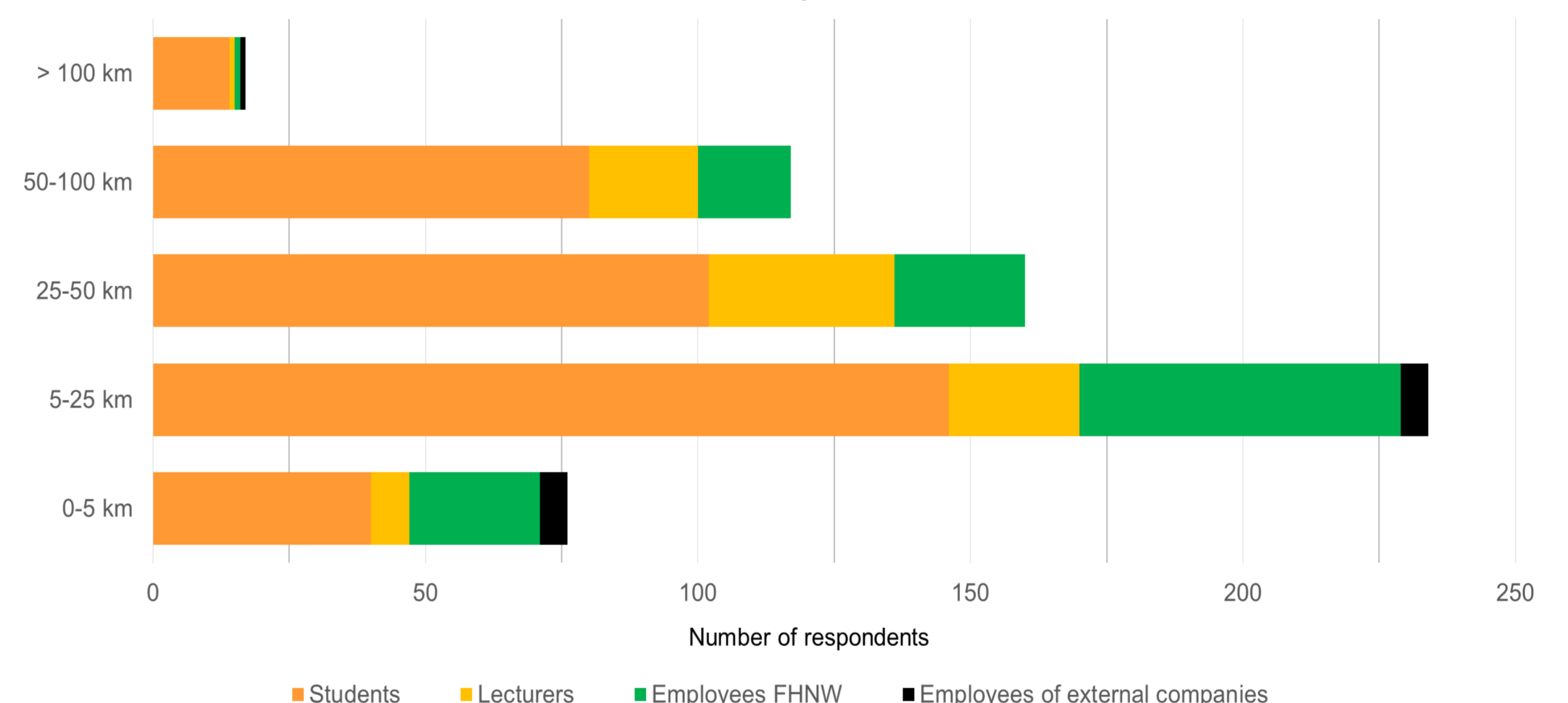
#### Distribution of all respondents by means of transport



#### Satisfaction of all respondents by means of transport

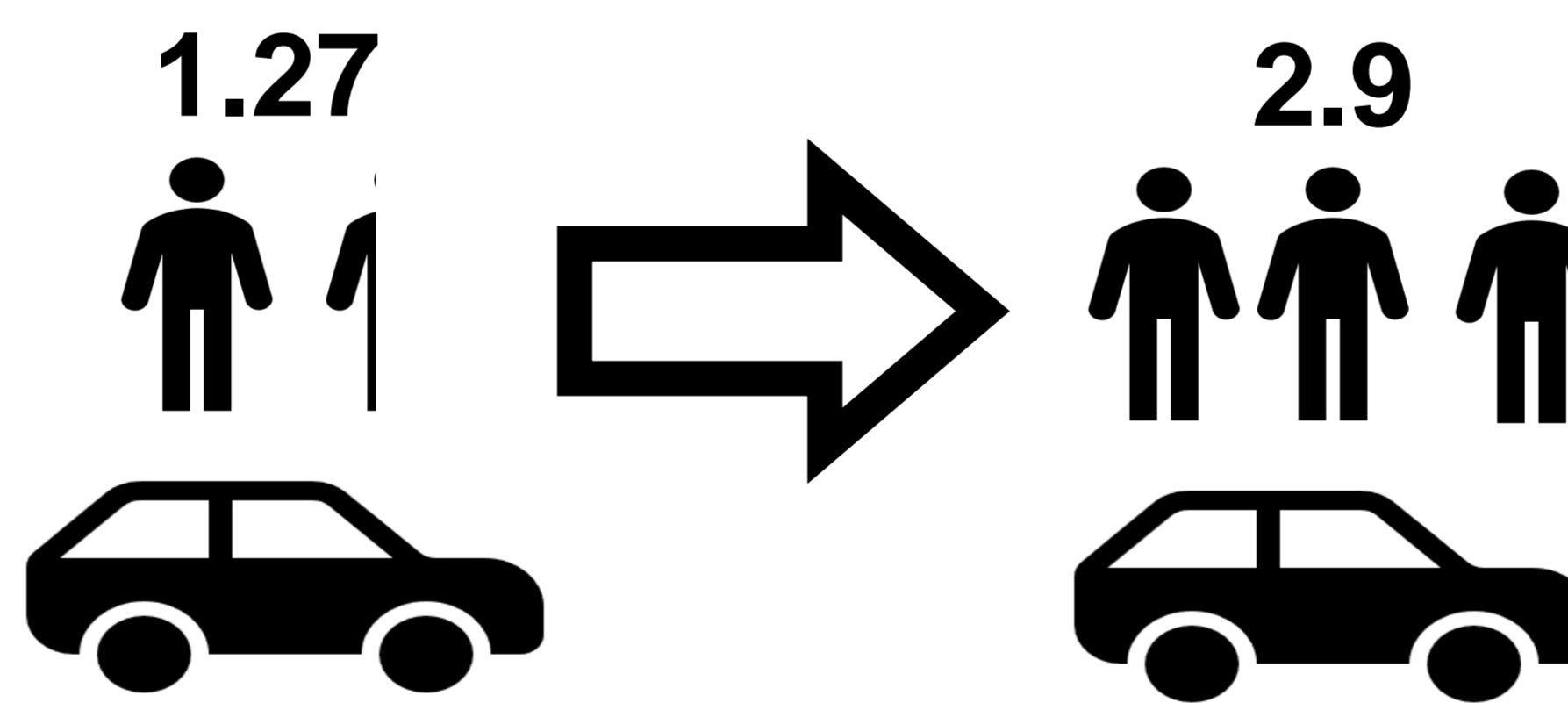
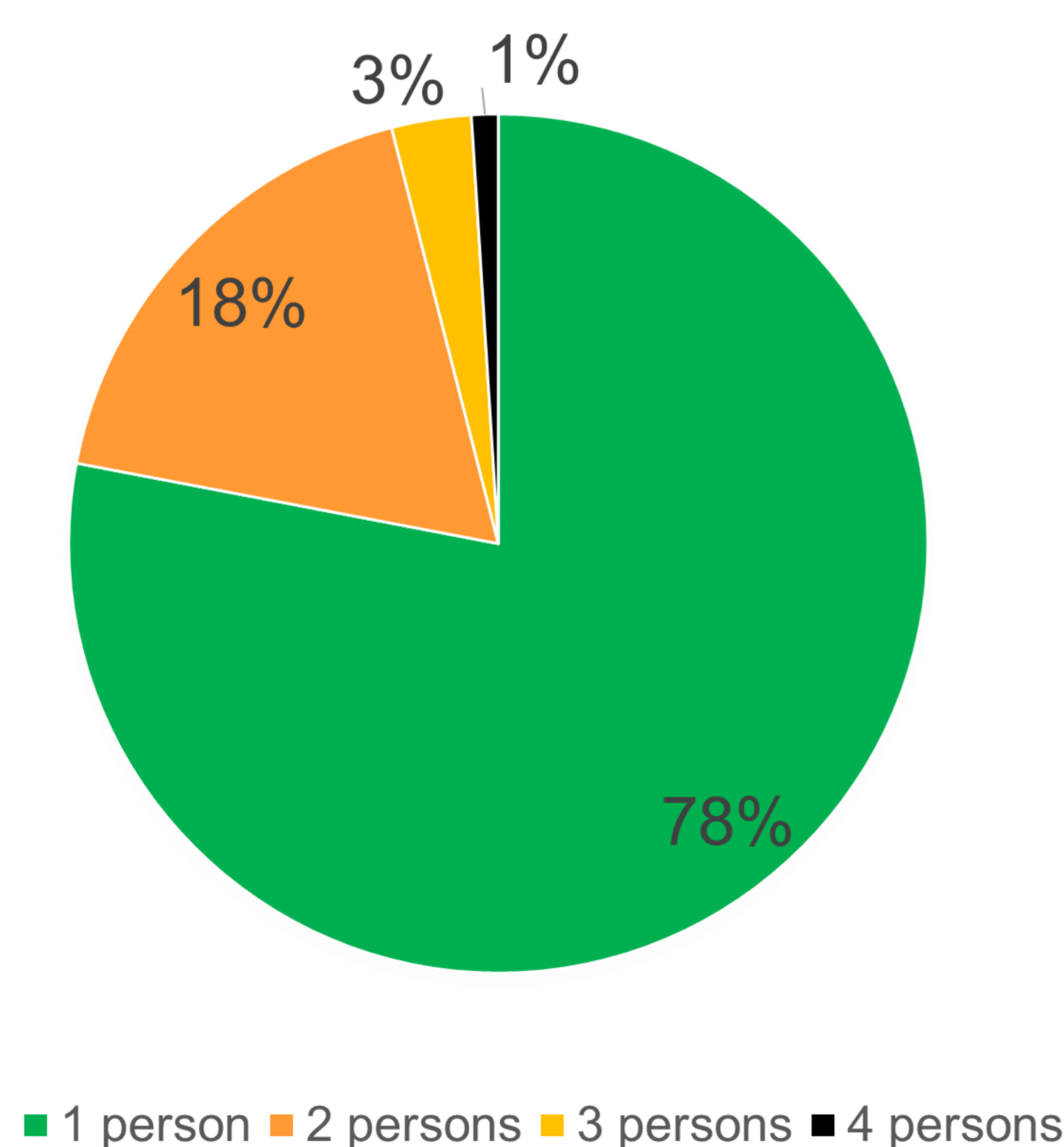


#### Distribution of all respondents by distance



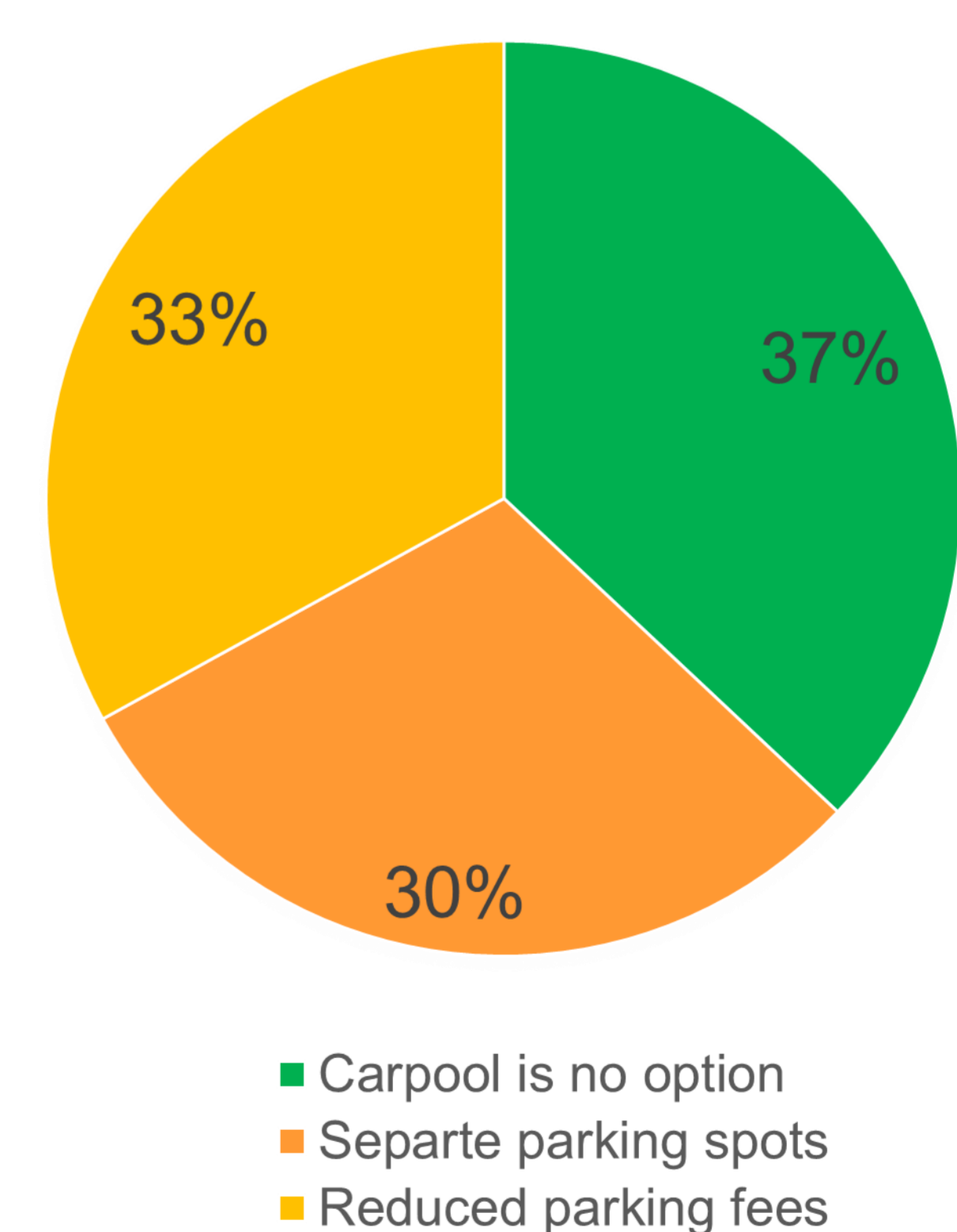
### Carpooling

#### Average passenger car occupancy



The current occupancy in a passenger car is 1.27 persons. If an average occupancy of approx. 2.9 persons per vehicle is reached, the capacity of the available parking spaces is sufficient even in the case of a maximum traffic volume.

#### Incentives for carpooling



### Recommendation

Based on the results of our survey, the requirements of the FHNW for the mobility concept and the potential of new forms of mobility, the following adjustments to the current mobility situation are recommended.

- Actively promote and reward car pools in order to reduce the lack of parking.
- Clear communication of existing mobility offers to commuters.
- Additional charging station for e-bikes.