

1 Data Parsing

- Data filtering
- Data cleaning
- Variable replacements
- Travel diary composition

2 Grid Modelling

- Charging availability assignment

3 Demand and Flexibility Estimation

- Flow profile calculation
(electricity demand, charging power)
- State profile calculation
(maximum and minimum battery level)

4 Time Discretisation

- Daily time series creation

5 Aggregation

- Weekly time series creation
- Fleet aggregation

6 Temporal and Spatial Scaling

- Annual time series creation
- Normalisation
- Scenario-based fleet upscaling