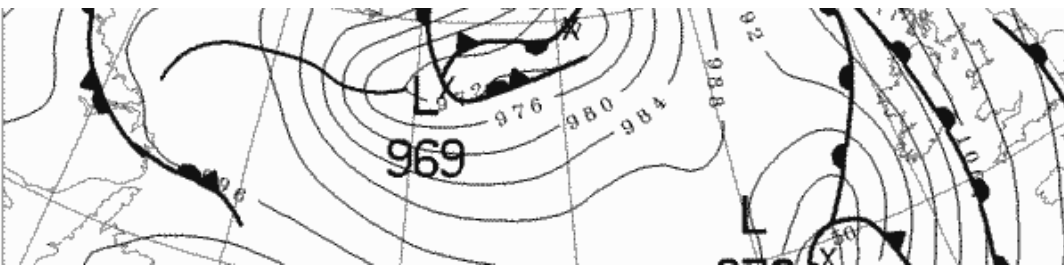


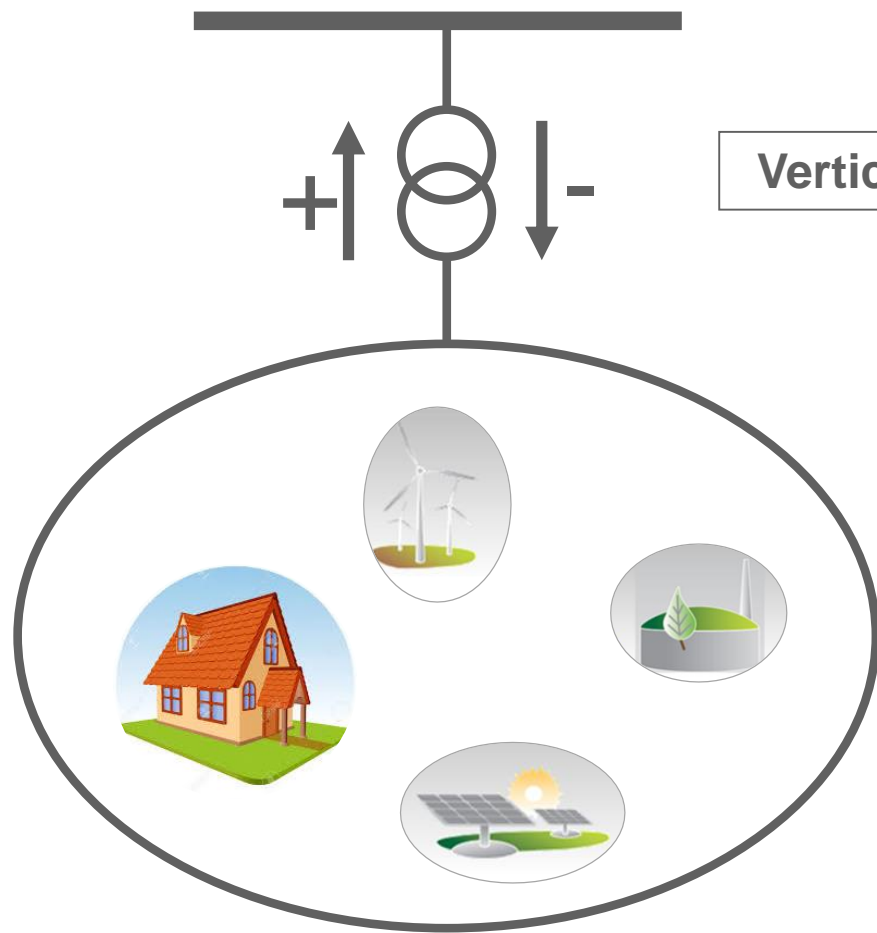
Distributed PV Forecasting

Anne Lenz

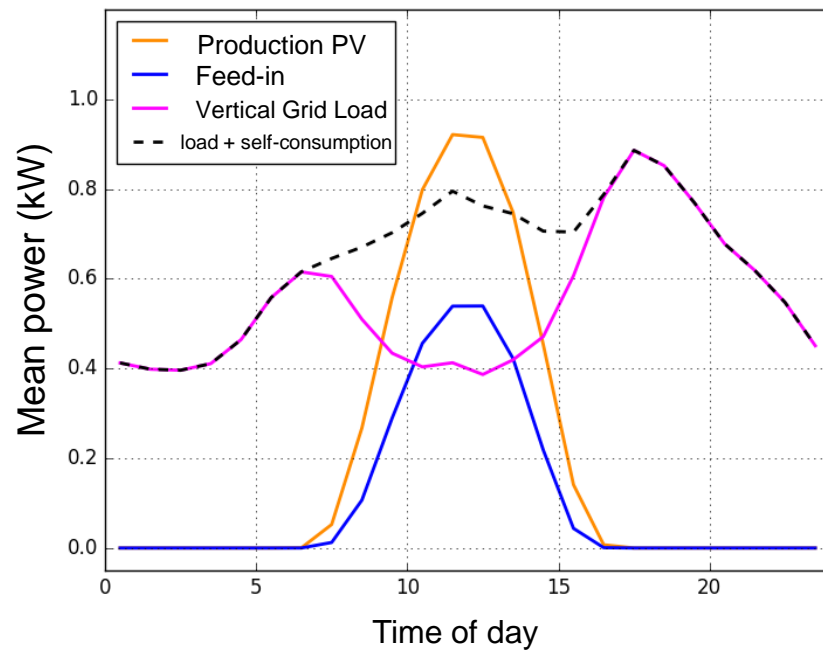
UVIG Forecasting Workshop – Session 5
Atlanta, June 21st 2017



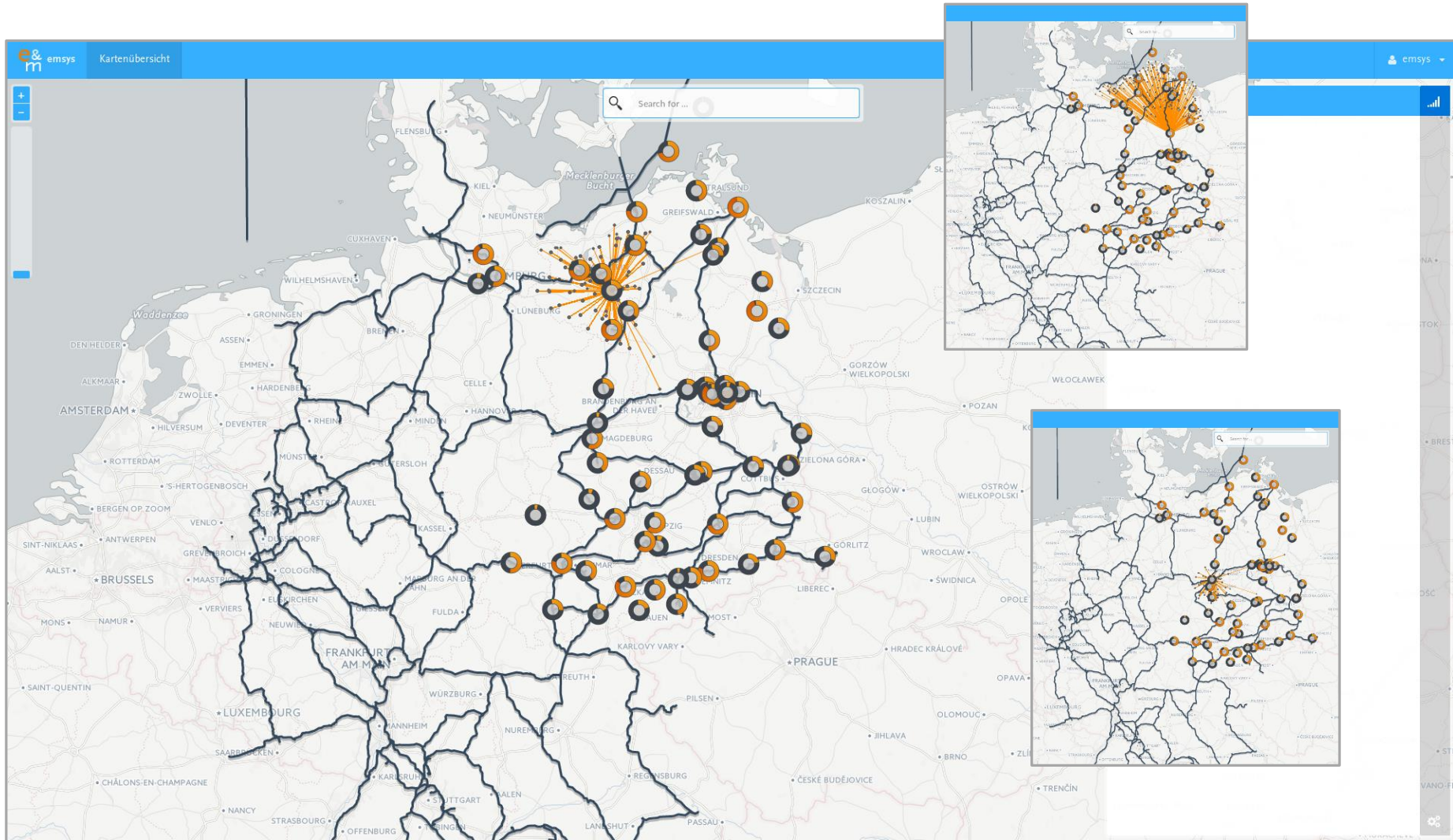
Grid Load



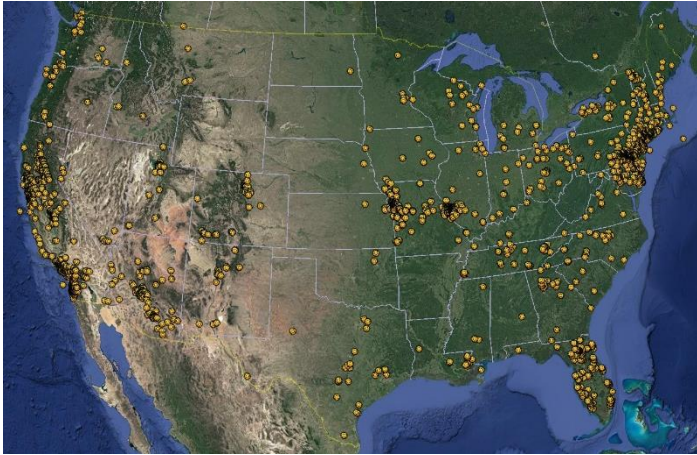
$$\text{Vertical Grid Load} = - \text{Load} + \text{PV} + \text{Wind} + X$$



Visualization-Tool for checking and managing Standing Data



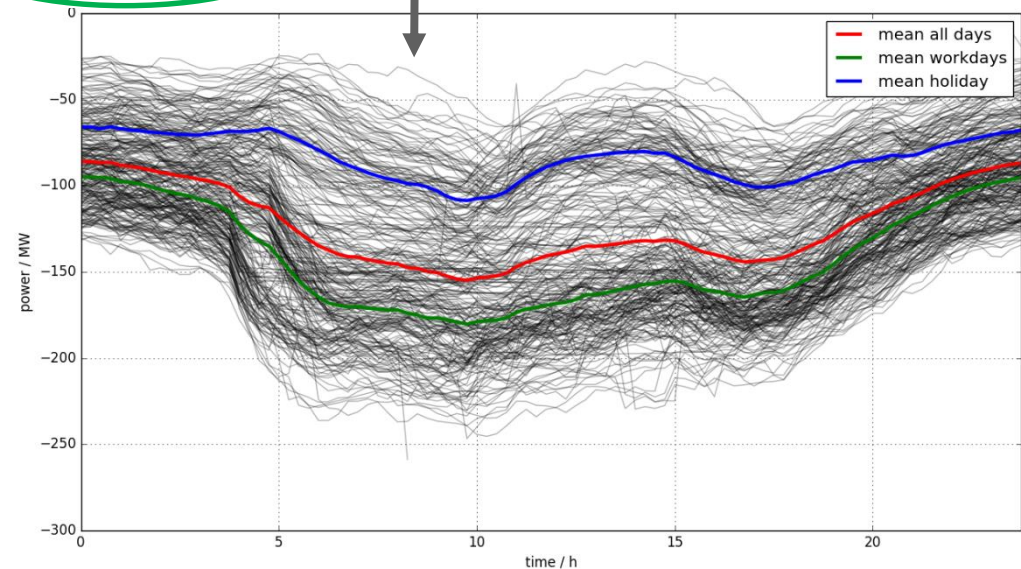
Estimation of PV Production



Data available in the US

- Static information of each PV plant
- Online monitored on 15 min, hourly or daily basis

$$\text{Vertical Grid Load} = -\text{Load} + \text{PV} + \text{Wind} + X$$



Validation via behavior of resulting load?