

Dynamic Noise and Pollution Campus Map

/progress report/

Work Done Previous Week

- SCK Eduroam WEP64 Connection: [link](#)
- domain registration: [link](#)
- Android application tracking accuracy improvement
- evaluation:
 - 12.12.2014 Experiment: [link](#)
 - 14.12.2014 Evaluation: [link](#)

Work Under Way

- development + continuous testing

Known Issues + Resolutions

- GPS time interval and geo-location lock inaccuracies: resolved by changing the device data retrieval approach; previous implementation: get location once every 30 seconds (or depending on user input for window size) – very inaccurate and unstable, timeouts/delays; current implementation – use constant geo-tracking, no timeouts, much more accuracy using helpers – accelerometer and previous location estimation techniques. Results and evaluation: (links to evaluation sessions contain information on this)
- SCK Eduroam connection issue – resolved by setting up my device as a portable success point on a private Wi-Fi network (I used GiffGaff)