Applications of Smart Air Quality Networks – a Particle Matter Exposure Driven Traffic Routing (Poster)

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The development of smart air quality networks closes the measurement gap between selective measurements and mesoscalic models or satellite data. This process is driven by the introduction of cost efficient and small air quality measurement units. The thereby achieved knowledge and data can be beneficial for developing applications such as experimental traffic routing driven by particle matter exposure. Such a traffic routing will be developed in the SmartAQnet project [1] using the open source project OSRM.

References

[1] Matthias Budde, Till Riedel, Michael Beigl, Klaus Schäfer, Stefan Emeis, Josef Cyrys, Jürgen Schnelle-Kreis, Andreas Philipp, Volker Ziegler, Hans Grimm, Thomas Gratza (2017) SmartAQnet: Remote and In-Situ Sensing of Urban Air Quality, Proc. SPIE 10424, Remote Sensing of Clouds and the Atmosphere XXII, 104240C, doi:10.1117/12.2282698