

# National Sensor Registry a Step Forward

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## SUMMARY

The first steps towards the National Sensor Registry have already been made. Sensor registry is a tool that provides a transparency about the location of the sensors, their owners and the purpose of the measurement. The municipalities need to be open to the inhabitants about the hanging devices and provide a registration tool to the owners of the measuring instruments. They are also looking for the clarity about the process to register devices and uniformity in the legislation. The researchers, developers and data scientists would appreciate the transparency about the measuring devices and the potential to access their data. The new technological solutions such as blockchain create a possibility to make sensor registries connected with each other and make the systems continuously up to date. By means of the Central Viewer as a part of the National Sensor Registry, everyone can get an insight where the sensors are and why they are hanging there.

The community and the interest groups that are eager to build and implement a National Sensor Registry is expanding. The implementation has been set up with open-source software components and shared with the wider community through GitHub. Everyone is welcomed to be a part of it. Furthermore, participation in various national and international initiatives such as CityDeal working group (the Netherlands), SamenMeten – data portal (Netherlands) or the The IoT Registry (international) increase the chance that the National Sensor Registry project will become a success.

Although a major steps towards creating the National Sensor Registry has already been made, the goal is not reached yet. One of the biggest challenges is the adjustment of the regulations related to sensors and the financially support of the initiative. Another challenge concerns the organization of the governance of the National Sensor Registry with many diverse stakeholders