

Citizen-based measurement of traffic

**Short name**

CITRAD

Formal name

Citizen-based measurement of traffic

Contact person

Maximilian Voigt

Institution/Organisation

FabLab Cottbus e.V.

Website

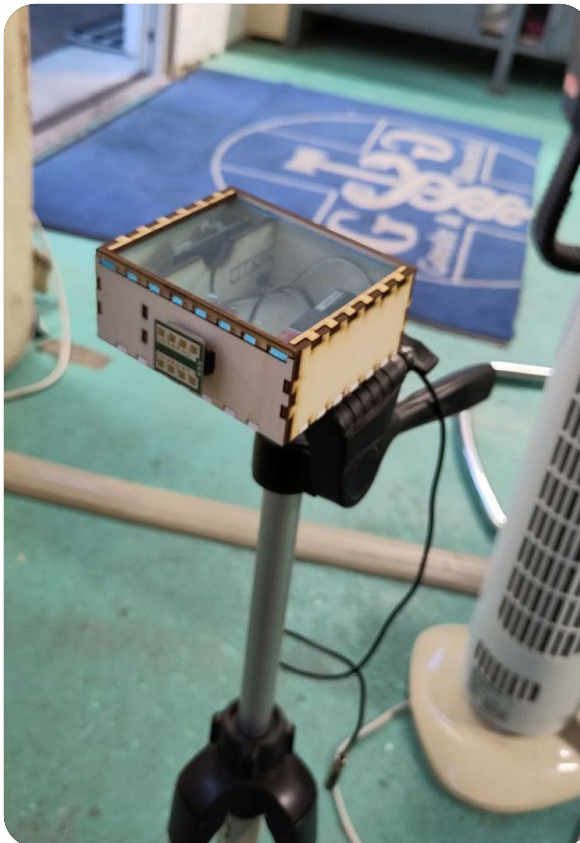
<https://fablab-cottbus.de/projects/CitRad/>

Twitter

<https://twitter.com/fablabcb>



Citizen Science helps democratize science and knowledge.

**Summary**

In order to make the traffic turnaround and its necessity more comprehensible for everyone, we, as an association that runs an open workshop, want to implement radar-based traffic monitoring carried out together with the citizens. The underlying research question thereby is: What is the character of traffic in terms of quantity, type and speed at different locations in the city of Cottbus? And which impacts it has on the life on the citizens at this place, and what we will be the benefits in the case of a reduction of the car traffic. The citizens will be actively involved in the entire process of implementation, which ranges from the production of the research devices to data evaluation. Furthermore, reservations and skepticism of the participating citizens towards technology, especially radar, and scientific work shall be reduced. Having measurable numbers allows to put more pressure on politics. The broad public will be involved in the project by building the hardware and giving it to participants and making it accessible to the open-source DIY community. With this approach, a wide audience can be addressed, and a larger area can be covered within the city. In addition, including the citizens early in the development process allows them to understand the underlying processes better.