Citizen Empowerment to fight Ozone Pollution

In CAPTOR citizens and scientists collaborate closely to monitor and address ozone pollution in Europe. We aim to establish a monitoring network made of low-cost sensors to measure ozone pollution in affected areas, and we'll use collaborative learning tools to stimulate collaborative solution finding. The low cost sensors will be hosted and maintained by the concerned citizens themselves and developed with a special attention on the quality of data, because this is a crucial point of the citizen's empowerment and mobilisation.

Air pollution is dangerous for humans and nature:

- It is responsible for 430,000 premature deaths in Europe each year [1].
- It puts considerable damage to agriculture and the natural environment.
- Health-related economic costs of air pollution are estimated at between 330 - 940 billion Euro for the EU annually [2].

Levels of Ozone are especially high:

- In many European regions ozone levels are above the EU target value (visit our website for more information!)
- In the rural environment close to urban areas ozone is especially high.

We need to collaborate to find solutions:

- If citizens, scientists, NGOs and local decision makers collaborate we can find new solutions to the air pollution problem.

Collect ozone data: become a host of a CAPTOR sensor, which collects data on ozone pollution around your domicile. It’s very easy, you don’t need previous experience or training. Provide a place for the sensor and we will come to install and de-install it.

- Know if you breathe polluted air.
- Raise awareness for the effects of ozone pollution on health and nature.
- Collaborate with scientists and support collecting data, which are key to improve scientific and citizen knowledge about the problem

**List of Requirements for sensor hosts:**
- Live in one of the three testbeds ☐
- Live in the rural area ☐
- Have a place for a sensor ☐
- Have Wi-Fi connection ☐
- Have electric connection ☐

**Explore ozone data:** be informed about current levels of ozone via the CAPTOR App

**Have a say:** participate in discussions about ozone pollution and how to solve the problem

**Stay informed:** register for the CAPTOR newsletter and stay informed via bi-monthly newsletters

**Interested? Register at our website!**

CAPTOR initial testbeds:
- **Spain:** Barcelonès, Maresme, Vallès and Baix Ripollès
- **Italy:** Piemonte, Lombardia, Veneto and Emilia Romagna region
- **Austria:** Niederösterreich, Burgenland, Steiermark

**Off-springs in other regions are supported as well! If you are interested, please contact us.**