



Bringing air quality data to societal applications through a hackathon: experiences from Copernicus AtmosHack

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Satellites, measurements and models provide air quality data that have potential for a wide variety of applications. We organised an innovation challenge Copernicus AtmosHack for promoting and utilising these data in the society. The winning team AeroZee created a business solution for making air quality data available to real estate agents.

Copernicus AtmosHack was organised in the framework of the EU's Copernicus Programme to promote the use of publicly available air quality data from Earth Observations, in-situ, and atmospheric modeling. The event was hosted by the Finnish Meteorological Institute in Helsinki, Finland, in November 2018. Copernicus AtmosHack was organised through a partnership of EUMETSAT, Copernicus Atmosphere Monitoring Service (CAMS), Finnish Meteorological Institute (FMI), and the Institute for Atmospheric and Earth System Research (INAR) of University of Helsinki. The challenge was to create solutions that help people reduce their exposure to pollutants and UV radiation by using atmospheric data from various sources. The organising institutes and their air quality research and data gained significant visibility through Copernicus AtmosHack, including Twitter, newspapers, and national TV in Finland.