

eKorren – A smarter way to a sustainable society

A method including the whole cycle in waste handling, from the household throwing away their trash, to the household viewing their own data in the e-service.

Issues Faced

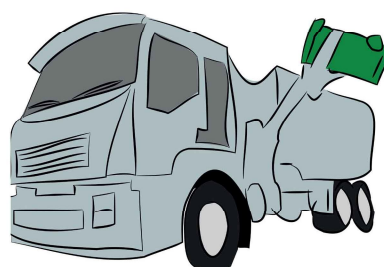
eKorren is a project that is exploring how Information Technology (IT) can be used to aid the development towards a sustainable society. How sensors (Internet of Things), Open Data, Visualizations and Gamification together can help the City of Sundsvall to become a smarter city.

The project has focused primarily on waste data, where the project has ensured the quality of the waste data in the City of Sundsvall, data that is generated by weight-sensors on the trucks that collect the waste. The data has then been published as Open data for re-use by the public (according to the Public Sector Information-directive in EU), to enable the creation of new services and open innovation. The data has been published in an open format both as a downloadable file and a REST API (Application Programming Interface).

The data has also been used to create an e-service for the citizens of Sundsvall where a citizen can log in and view visualized data specifically for their own home.

Key Objectives

- The main goal of eKorren is to give citizens, politicians, civil servants and businesses access to both their collective and personal sustainability data.
- eKorren, with the use of IT and digitalization, will open and ease the dialogue and learning between politicians, civil servants, citizens and corporates to speed up the rate of development towards a sustainable society.
- Develop at least one "Best practice" that can be spread and communicated with the help of the actors involved in the development



Future

eKorren will deliver an Open Source e-service with dashboard functionality, with functions to gather data from other systems and display them both publicly and behind a login. The data stored in the e-service can also be published as a REST API for ease of re-use for the public (Open Data).

This platform opens several opportunities to gather more data in more areas of a city, like water usage or energy usage. And since the platform is open source it can be used anywhere by anyone without any licensing costs.

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