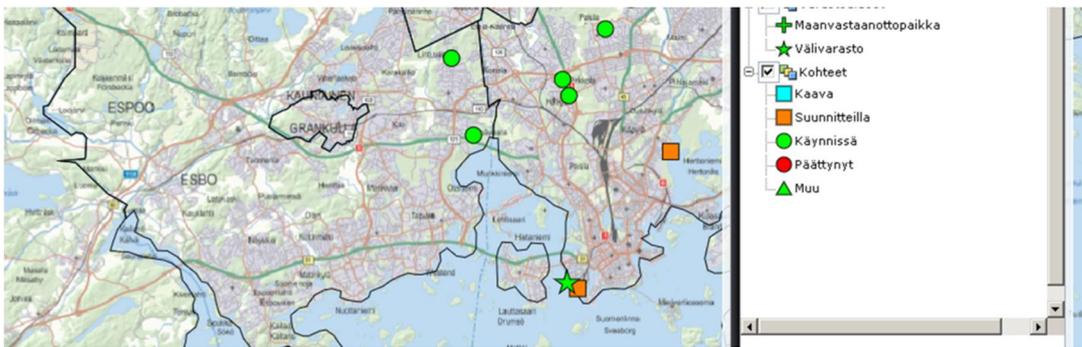


# Annex 11



LIFE09 ENV/FI/000575

## Final report on Action 6: Modelling / RMSS



Why RMSS:

- Map based solution to recycle surplus soils
- Easy to set up storage and to update stock accounting
- Access to data through internet makes it easier to utilise data -> all the storages can be seen at the same time on the map
- Usage of surplus soils will be effective and history data will be saved to the data base

This action was carried out by Ramfi. The project partners gave advice and commented upon the work progress.

The RMSS (Regional Material Service System) is in the phase where all the software functions are ready. The interface of the mapping part and database has been tested in several demo versions, as well as in some projects.

The RMSS can be used at one city level or as a communication tool for several municipalities. Until now, the most encouraging user experience has come from city of Tampere. The RMSS has been tested in Tampere and we have got very essential feedback of the system. Tampere has SAP (ERP software) –system where they wanted to integrate RMSS. In this way, the RMSS would be part of the larger resource planning software ecosystem. In autumn 2013, Ramboll made a very close co-operation with city of Tampere and improved RMSS so that now it meets all the expectations. In spring 2014, the city of Tampere ordered mobile version for the abandoned soils data management handling from the one IT service company.

Though the RMSS –software is already quite sophisticated, its users seem to be the weakest point. Based on the RMSS test experience there should be at least one or two committed person responsible for managing the abandoned soils in the city organisation. Organisation changes have already affected the efficiency of the RMSS usage. In Tampere, the RMSS responsible person has changed several times and this has caused interruption to the RMSS because this employee has been the only one who knows how to use it.

In many cities, most of the soil information is not documented accurately and in hectic everyday work is handled by phone or e-mail. So abandoned soils data management should always be updated so that everyone can rely on it. The most effective way to introduce RMSS to city organisation would be to document present day workflow and then implement RMSS to it together with all the counterparts. Developing mobile connection to RMSS will meet these challenges and will make data information more accurate.

The RMSS demo projects were also done in Helsinki city area. After testing the RMSS in Helsinki and having several work meetings it was to come in to the conclusion that RMSS system structure could become essential tool in the future. There are 2-3 people in the city of Helsinki who are responsible of managing the abandoned soils. Most of the soil information is documented by Excel and in hectic everyday work mass transportation is handled by phone or e-mail. This works fine at the moment, but there could be need for more sophisticated system like RMSS.

Based on the Helsinki city officials' comments, the RMSS has to be seen in the wider context meaning that it has to cover at least Helsinki metropolitan area or even Uusimaa region. The system would be more like a bulletin board showing the larger picture what is going on and what will happen in the area concerning abandoned soils. The time frame for using RMSS would be from few months up to one or two decades. This way the RMSS would serve different cities by delivering the information for planning land use more efficiently, create co-operation between cities and this way saving money.

In conclusion, the RMSS is ready to take in to the use. Experiences from the cities of Helsinki and Tampere shows that there is a need for this kind of data management software, but it needs extra effort to start using it. Also, there should be clear economical and practical benefit to change from old way of doing things to new way.

It has been agreed that the works on the implementation of the RMSS system will be carried out in the framework of the UUMA project after the end of the Absoils project.

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