Silkeborg Spildevand AS

October 1, 2009

Task G, 15th delivery: The after-LIFE Communication Plan is produced

Contract text to which this deliverable refers:

Action G8: After-LIFE Communication Plan: A plan setting out the continued dissemination and communication of the performance of TREASURE demonstration facilities is produced in English at the end of the project. The plan describes how the performance monitoring and the demonstrational aspects of the facilities will continue and how results are disseminated. The cost for monitoring, data evaluation, dissemination, and etceteras are covered by the owners of the facilities.

After LIFE communication plan

A plan is set out to continue the dissemination and communication of the project and its results. The communication plan partly focuses on the dissemination of results gained throughout the project and partly on the continuance of the demonstration of the tested technologies.

Dissemination of results gained throughout the project

Communication of the project and its results is continued after completion of the project. The knowledge dissemination is conducted through the project homepage, seminars, articles in national journals as well as articles in international journals.

The homepage

The homepage of the project will be kept running for at least 5 years after the completion of the project, and results on the form of technical reports, presentations made, photos, and etceteras are available here trough. The homepage is available in Danish language at www.life-treasure.dk and in English language at www.life-treasure.com. Figure 1 shows a screen shot of the English version of the homepage.

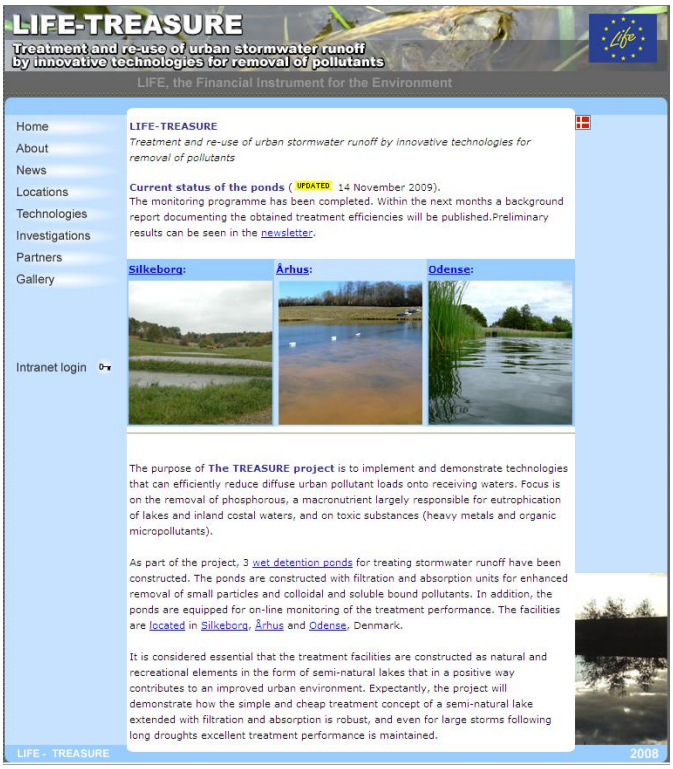

Figure 1 Screen shot of the English version of the LIFE Treasure homepage

The site will act as a public internet site as well as a closed intranet site. The function of the later is to serve as a common platform for distribution between partners of PowerPoint presentations, pictures, internal reports, and etceteras.

Presentations at seminars and conferences

The results gained will be presented at national seminars and international conferences. For example are results from the project presented at the following upcoming international conferences:

- The 11th Nordic/NORDIWA Wastewater Conference held November10-12, 2009, in Odense, Denmark. The conference has 230 participants from all the Nordic countries.
- NOVATECH 2010, the 7th international conference on sustainable techniques and strategies in urban water management, Lyon - France - June 27th - July 1st, 2010.
- HUES 2010, 10th Urban Environment Symposium Urban Futures for a Sustainable World, Göteborg, Sweden, June 9-11, 2010
- Cream and Receto Symposium Microbial degradation of soil pollutants – processes and impacts. November 2009. 120 participants from All over Europe.
- International Conference on Constructed Wetlands for Wastewater Treatment: From Developed Countries to Latinamerica. Pereira, Colombia 20th to 25th of February 2010.
- 12th International Conference on Wetland Systems for Water Pollution Control Venice (Italy), 4-9 October 2010

Publication in national and international journals

Detailed information on the results from the project is communicated to professionals by means of articles in national and international journals. For example are articles on the following topics planed submitted for international journals:

- A comparison of the tested technologies for advanced stormwater treatment
- Comparison of heavy metals, PAHs and toxicity of the pond water
- Modeling the eutrophication of wet detention ponds based on data from the on-line sensors in combination with meteorological data
- Assessment of PAHs accumulation in sediments from a new generation of Danish urban stormwater wetponds
- Integration of planted filters into wet detention ponds for improving urban stormwater treatment.

Continued operation and monitoring of the established facilities

During the Treasure-project, the demonstration facilities have been intensively monitored and detailed knowledge has been gained on the design and operation. Due to the time-scale of the project, information has been gained on the first 1 to 2 years of the life of the established stormwater treatment facilities. However, the systems are designed with a much longer life expectancy, and the partners of the project therefore have a significant interest in continuing the monitoring of the performance of the facilities. During the next couple of years, the facilities will be technically modified in accordance with the experiences gained during the LIFE TREASURE project period. The so modified facilities will be monitored for a large number of years by means of focused monitoring campaigns to gain knowledge on the long-term operation of the demonstration facilities.

Both involved universities are planning to use the sites for various research projects on the MSc and PhD level within the respective curriculums taught.

In addition hereto there are ongoing negotiations with representatives from the Danish National monitoring program NORVANA to monitor pollutant loadings and pollutant discharges from 2 of the 3 facilities. NORVANA will focus on various organic micro-pollutants, and especially such which have not been studied during the Treasure-project.

Spinoff projects

Based on the knowledge and experiences gained in the Treasure-project, there have been initiated two projects which continue to study the advanced stormwater treatment technologies.

- One project addresses the addition of iron salts and aluminum salts to existing stormwater ponds in order to upgrade their treatment efficiency. This project is 50% financed (approximately) by the Danish Environmental Protection Agency with the second half financed by Silkeborg Spildevand A/S and Aalborg University in collaboration. Total project costs are 450.000 Euro and a duration of 3 years. In the context of the project, further tests at the Treasure-project pond in Silkeborg are conducted as well as a new facility equipped and studied.
- The other project address sorption to fixed media filters as advanced stormwater treatment technology for highway runoff. The project is 100% financed by the National Danish Road Authority and conducted mainly by the Road Authority and Aalborg University, but with input from Skanderborg and Silkeborg Municipalities. The total project costs are 850.000 Euro and a duration of 10 years. In the context of the project a number of sorption technologies are tested in laboratory and pilot scale setups. Towards the end of the project, the technologies are implemented to treat highway runoff from a new stretch of highway under construction, namely the new highway from Århus to Silkeborg.

Several other projects which are based on the knowledge gained from the Treasure-project are under preparation.