

Abstract Template

Mrs. Malena Karlsson

Organisation : Hammarby Sjöstad

Short description: Environment Information Centre for Hammarby Sjöstad, Stockholm.

Present the idea and concept behind the planning of Hammarby Sjöstad, the environmental solutions and not the least being available to the residents in the area.

Presentation title: Hammarby Sjöstad a district with emphasis on water and ecology

Executive Summary of your Abstract:

How we can see grey water and treated water as a resource; from car fuel to fertilizer on the fields and to heat up our houses. By having in mind asking the question; could we not use this for yet something more?

Abstract:

I will during this presentation describe about the ideas and concept of water solutions where we see also the waste water (grey water) as a resource. From the sludge we produce biogas-first and foremost for serving the innercity buses, but also private cars. The sludge is certified for being used as a fertilizer on the fields and farmlands. So the need for artificial fertilizer decreases. The treated waste water is warm enough to be used as heating resource for heating up the water in the district heating system we have. After that it is taken back to the nature, and the water cycle can begin again.

Furthermore I will explain about the caretaking of our storm water. We have what we in Sweden call "local storm water treatment" which is both practical and esthetical. By treating the storm water locally we reduce the amount of water coming in to the sewage plant. We also keep out the more contaminated traffic water which is taken care of separately.

Resumé: I am employed by the Stockholm Water company as an Information Officer for Hammarby Sjöstad sustainable city development. My background is Environment Engineering and Geography.

As an information officer at Glashuset I explain the concept, planning and the development of Hammarby Sjöstad as a Sustainable City area together with the concept of Symbio City. I also take part in seminars and conferences on this issue both in Sweden and abroad.

I am particularly interested in and have worked with issues regarding environment and development in developing countries and have worked as an Environment Advisor in Cambodia.

Recommended reading: Information about Hammarby Sjöstad is available on the web site www.hammarbysjostad.se all environmental information is available in English. On the web site you will also find the brochures as pdf-files.