

[Beneficiary Reference](#) [Background Read More](#) [Objectives Project Administration](#) [Partners](#) [Benefiting Regions](#) [Legislative](#)

Beneficiary: Comune di Genova – Assessorato alle Politiche Ambientali
Via di Francia 1
IT – 16149 Genova
Italia

Project Manager: Vittoria Silvero
Tel: +39 010 5573237
Fax: +39 010 5572380
Email: vsivero@comune.genova.it

Status of Organisation: PUB

Type of Organisation: Local authority
Description: The beneficiary is the Environmental Policy Directorate of Genova Municipality.

[Top](#)

Project Background

Pollution resulting from storm water runoff in urban areas has been identified as one of the major causes of the deterioration of the quality of water collected. The first flush rain is the most polluted. First flush detention tanks have been successfully tested but the system presents some problems not easy to be solved, such as the availability of space. In addition, the system requires very sophisticated numerical models. Distributed Treatment Solutions (DTSs) have been recently proposed as an alternative. Pollutants are removed from storm water by trapping them directly in the gully–hole or the initial pipe of the drainage network by means of appropriate hydraulic and/or chemical/physical devices. This last solution is quite promising and cost–effective, although full–scale applications are still scarce and validation of the technology will require further testing.

Keywords: urban area rain water harbour pollutant elimination water treatment

[Top](#)

Project Objectives

The project aims to demonstrate the sustainability and cost–effectiveness of Distributed Treatment Solutions (DTSs) for storm water runoff in harbour infrastructures and industrial sites. In these areas, traditional treatment solutions, such as first flush detention tanks, are too costly or unfeasible due to lack of space. The innovative component of the ESTRUS project consists of a full–scale treatment solution (hydraulic and chemical/physical) which has been so far tested in laboratory.

[Top](#)

Project Partners

Provincia di Genova, Italy
Autorità Portuale di Genova, Italy
University of Genoa, Italy
Servizi Ecologici Porto di Genova S.p.A., Italy
Finporto di Genova S.p.A., Italy

[Top](#)

Benefiting Countries and Regions

Italia

Liguria

[Top](#)

Target Community Legislative Reference

Urban Environment

- Decision No 1411/2001/EC – "Community Framework for co-operation to promote sustainable urban dev ...
- COM/98/0605 final – "Communication on Sustainable Urban Development in the European Union: A Frame ...
Water
- Directive 91/271/EC – "Urban waste water treatment" (21.05.91)

[Top](#)

Read More

Internet Site: www.comune.genova.it

[Top](#)

Project Administration

Total Budget: 1,394,339.00

Life Contribution: 673,673.00

Year of Finance: 2005

Duration: 01-OCT-2005 to 30-SEP -2008

Commission LIFE05 ENV/IT/000894

Reference:

[Top](#)
