



SEVE

ENVIRONMENTAL
ALTERNATIVES
EVALUATION SYSTEM

<http://international.seve-tp.com>



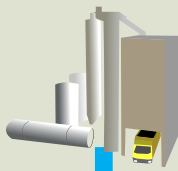

SEVE[®]
Eco-comparateur

INVITATION TO TENDER

RAW MATERIALS



PRODUCTION



TRANSPORTATION AND LAY DOWN

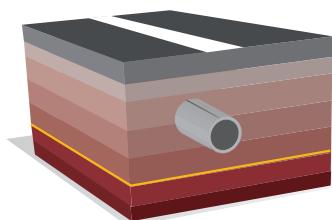


SEVE® allows an environmental assessment of each phases of implementation and maintenance of your roads, earthworks and various networks with two specific modules.

ROAD & UTILITIES MODULE



EARTH-MOVING MODULE



- Surface layer (Wearing course, sub-wearing course and tack coat)
- Structure layer (base and foundation course)
- Subgrade layer
- Earth moving upper part (plateforme)
- Earth moving upper part
- Excavated earth and backfill



7 QUANTITATIVE INDICATORS

2 DECLARATIVE INDICATORS



Process energy
(express in MJ)



Green House Gas Emission
(express in t eq CO₂)



Preservation of the
resource



Ton kilometer
(express in t.km)



Water



Biodiversity

- * Preservation of resource included :
- Natural aggregates consumption (t)
 - Reclaimed Asphalt Pavement consumption (t)
 - Recycled Materials consumption (t)
 - Excavated earth materials from the site and reused in the site (t)

RESULTS PROVIDED BY THE SEVE® SOFTWARE

Example of an indicator:

COMPARISON OF GHG EMISSION (in t eq CO₂)

Graph

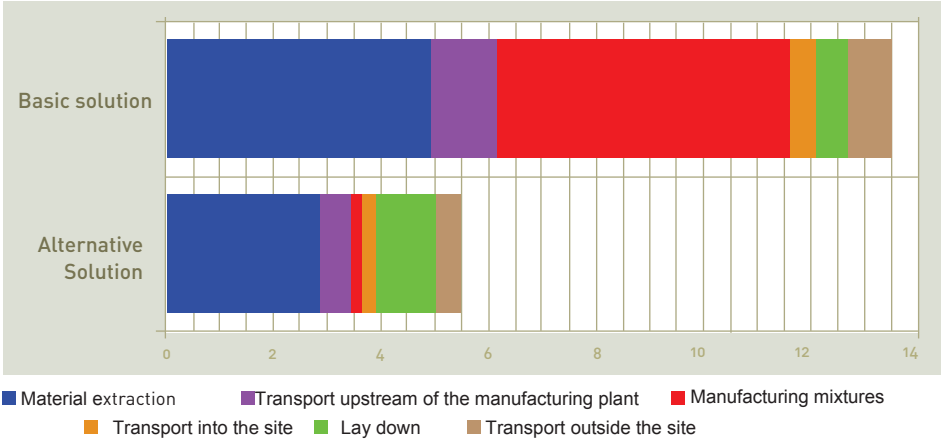


Table of results (in t eq CO₂)

Solution	Material extraction	Transport upstream	Manufacturing mixtures	Transport into the site	Lay down	Transport outside the site	Total	ENVIRONMENTAL GAIN
Basic solution	5,0	1,2	5,5	0,5	0,5	1	13,7	60%
Alternative solution	2,9	0,6	0,2	0,3	1	0,5	5,5	

A DETAILED DOCUMENT, PDF FORMAT, GIVING :



- > Identification of the project, the enterprise and the contractor.
- > General information about the software
- > Summary presentation of the solutions
- > Table of results (9 indicators)
- > Detailed presentation of solutions
- > List of asphalt concrete formulas used
- > List of recycled materials



LIFE+ SustainEuroRoad project is co-financed by the European Commission

For the contractor, SEVE allows in the frame of invitation to tender, to compare from an environmental point of view, equivalent technical solutions for maintenance works or building works of the road

Commun tool and shared by all the road sector.

Accessible:

- to everybody: enterprises, contractors, project managers, engineering departments, universities just by subscribing yearly.
- everywhere: by the internet (no application to download).

Easy to use and ergonomic, respecting the worksite organization logic

Focused on 9 indicators.

Giving guarantee of confidentiality and security of database and files created by users.

Verified by engineering firm specialized on life cycle analysis



Obtaining an eco-comparator technical report from IDRRIM.



REGISTERING PROCEDURE:

Very easy directly on the website:
<http://international.seve-tp.com>.

by the « SEVE referent » from the organism which wants to register.

After, the referent will be able to create by himself user accounts.

The screenshot shows a web registration form titled "REGISTRATION:". It includes fields for Name (First name), Company, Country (a dropdown menu currently showing "Germany"), E-mail, and Phone number. There is a "Comment:" field at the bottom. Below the form, there is a checkbox labeled "I accept the terms of use SEVE" and a green button labeled "Download the terms of use". At the very bottom, a note states "All fields * are mandatory" and a button labeled "Request for registration".

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