Infrastructures | Routes / Roads

Practice of HDM-4

This course is aiming at qualifying the specialist teams who are in charge of implementing the HDM4 model for road studies.

At the end of the course, the trainees will know the theoretical basis of the HDM4 model and will be able to use it :
- to define an optimal strategy for investment and maintenance,
- to compare various solutions for a road project,
- to define a roadwork programme.

Training will be based on the actual use of the latest version of the software (HDM4 – Version 2.0), which includes major enhancements.

14/11 to 25/11/2011
Paris
5650 € HT
41028

Coordination
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Public
Road engineers who have an experience of road maintenance and basic economics.
Economics or planners who have a good knowledge on road characteristics and maintenance.
Participants must be completely familiar with computer use and Window.

Week 1

■ **Model presentation**
HDM and road management,
Functions, required data

■ **Strategy analysis (Exercise 1)**
Maintenance strategies,
Definition of the study scope,
Vehicle operating costs,
Economic analysis,
Bituminous roads deterioration

■ **Calibration (Exercise 2)**
Determination of calibration factors,
Strategy analysis after calibration

Week 2

■ **Project analysis : paving an unpaved section (Exercise 3)**
Unpaved roads deterioration,
Generated traffic, exogenous BC,
Sensitivity analysis,
MCA

■ **Project analysis : new section and improvement (Exercise 4)**
Works effects,
Traffic congestion effects

■ **Programme analysis : preparation of a pluriannual programme (Exercise 5)**
Asset evaluation,
Optimization

■ **Import-Export (Exercise 6)**
Protection datas,
Customising

Training evaluation

Registration fees do not include the licence cost – please ask for condition of licence purchase if required Model presentation