

This ten days cycle approaches all the problems related to the installation of an information system for the road management. It refers in particular to :

- Release the main concepts of the computerization in road activities
- Deal with the technical aspects and contribution of new technologies
- Propose a pragmatic path to help the manager to formalize his needs and to conceive a viable information system

By the end of the seminar, the participants are going to be able to :

- know the characteristics and conditions to use the various tools
- specify their needs according to their needs according to their specific context

This seminar takes place in Maison des Ponts 15 rue de la Fontaine au Roi 75011 Paris

Targeted audience

Decision makers having to deal with their country in road management, and utilize or create the specifications for the data-processing tools

Wednesday 26th November

■ 9h30 **J-Olivier LAVAL** PFC-Metrattech

Opening of the seminar

■ 10h00 **Olivier GLEIZES** CETE
Méditerranée

Road network and representation in road network

- Identification of road networks in France
- Construction and update of a reference frame for localization
- Localization modes of data road

Thursday 27th November

■ 9h30 **Olivier GLEIZES**

Road data utilization

- Basis management : creation of data catalogue
- Maps, diagrams and schemes production
- Practical cases with different hardware : ROUTEN, SILLAGE, CARTEN

Friday 28th November

■ 9h30 **Eric DELAHAYE** Dir Nord

Road structures computerized management

- Road structures evaluation
- Maintenance policy choice and works programming
- Illustration with the AGORA software

Monday 1st December

■ 9h30 **Philippe LEPERT** LCPC

Road data collecting

- Principles, methods and uses
- Data base constitution and management on the automatic collection

Tuesday 2nd December

■ 9h30 **Philippe LEPERT**

Road maintenance management

- Evaluation methods and assistance to the maintenance work programming

Wednesday 3rd December

■ 9h30 **Philippe LEPERT**

- Illustration with GIRR, French software for technical network
- Analysis of maintenance strategies, illustration with HDM

Thursday 4th December

■ 9h30 **Pierre JOUBERT** Consultant

Presentation of the HDM-IV model

- Introduction
- Bituminous roads deterioration
- Vehicle operating cost
- Practical case n°1 : strategy analysis
- Practical case n°2 : project analysis
- Diffusion and assistance methods

Friday 5th December

■ 9h30 **Joël PALFART** Consultant

Road information systems (RIS)

- Objectives
- Road data localization
- Road data modelling
- Road data management and its reuses
- Road data exchanges

Monday 8th December

9h30 **Joël PALFART**

- RIS components
- Localization reference source and its management
- Road database management system
- Database automatic acquisition
- RIS conception

Tuesday 9th December

■ 9h30 **Joël PALFART**

- Geographic Information systems (GIS)
- Global positioning system (GPS)
- Dynamic cartography on the internet
- Technical and functional architecture
- Different software for reference source and road database management
- Conception project and its implementation

■ 16h00 **Jean-Olivier LAVAL**

Evaluations and closing of the seminar

Workdays end at 5:30 pm