

# IT technologies for roads management

## Public

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

## Objectives:

This 10 days cycle approaches the whole of the problems related to the installation of an information system for the management of the roads. It refers in particular to:

- release the principal concepts of the computerization of the road activities,
- to deal with the technical aspects and the contribution of new technologies,
- to propose a pragmatic path to help the manager to formalize his needs and to conceive a viable information system.

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

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

<b>Paris</b>	<b>From November 28th to December 9th 2011</b>	Inscriptions: Tel.: +331 4251 6111 Fax: +331 4251 6131	<b>Session n°41024</b>	5 150 €+ VAT Lunches included
--------------	--	--	------------------------	----------------------------------

**Coordination :** Mr. Joël PALFART / *CETE Méditerranée*  
Mr. Pierre CORROENNE / *CETE Normandie Centre*  
**Organisation :** [Mrs. Laurene PULLIAT / Metratech](#)

Monday November 28th	Friday December 2nd	Thursday December 8th
<p>Identification and representation of a road network</p> <p>Method of identification of the road networks in France Construction and update of a reference frame of localization Modes of localizations of the data roads.</p> <p>Mr. CORROENE</p>	<p>Management of road maintenance</p> <p>Illustration with GIRR, software of the French technical network Analyze strategies of maintenance, illustration with HDM</p> <p>Mr. LEPERT</p>	<p>Construction of road data bases</p> <p>Types and composition of the road objects Choice of the modes of localization Impact of the evolution of the reference frame Example of design of a data base</p> <p>Mr. PALFART CETE the Mediterranean</p>
<p><b>Tuesday November 29th</b></p> <p>Collection of the road data</p> <p>Principles of the collection of information on the roads Methods and apparatuses used</p> <p>Mr. LEPERT</p>	<p><b>Monday December 5th</b></p> <p>Exploitation of the road data</p> <p>Management of the road data base (creation of the catalogue of data...) Production of charts, diagrams and road diagrams Work practise with the softwares ROUTEN, CARTEN and WAKE</p> <p>Mr. CORROENE</p>	<p><b>Friday December 9th</b></p> <p>Organization of the data exchanges</p> <p>Administration of the data in time Aggregation of data Re-use of old data Rules of data exchange</p> <p>Mr. PALFART</p>
<p><b>Wednesday November 30th</b></p> <p>Road data collection and processing</p> <p>Constitution and management of a data base on the automatic collection</p> <p>M. LEPERT</p>	<p><b>Tuesday October 6th</b></p> <p>Presentation of HDM IV</p> <p>Mr. BROSSEAUD</p>	
<p><b>Thursday December 1st</b></p> <p>Management of road maintenance</p> <p>Methods for the evaluation and assistance to the programming of the maintenance work</p> <p>Mr. LEPERT</p>	<p><b>Wednesday October 7th</b></p> <p>Computerized management of the structures (bridges)</p> <p>Evaluation of the structures Choice of a policy of maintenance and programming of work Illustration with software IQOA</p> <p>Mr. SUDRET</p>	