

IT technologies for roads management

International cycle

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.

Paris	From October 15th to October 26th 2007	Inscriptions: Tel.: +331 4251 6111 Fax: +331 4251 6131	Session n°47023	4 500 €+ VAT Lunches included
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Coordination : Mr. Joël PALFART / *CETE Méditerranée*
Mr. Pierre CORROENNE / *CETE Normandie Centre*
Project leader : Mr. Jorge CAMANO, *Consultant* / Mme PEYREDIEU du CHARLAT-*Metratech*

Monday October 15	Friday October 19	Thursday October 25
<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 style="text-align: center;">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 style="text-align: center;">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 style="text-align: center;">Mr. PALFART CETE the Mediterranean</p>
<p>Tuesday October 16</p> <p>Collection of the road data</p> <p>Principles of the collection of information on the roads Methods and apparatuses used</p> <p style="text-align: center;">Mr. LEPERT</p>	<p>Monday October 22</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 style="text-align: center;">Mr. CORROENE</p>	<p>Structure of a SIR</p> <p style="text-align: center;">Mr. PALFART</p>
<p>Wednesday October 17</p> <p>Road data collection and processing</p> <p>Constitution and management of a data base on the automatic collection</p> <p style="text-align: center;">M. LEPERT</p>	<p>Wednesday October 24</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 style="text-align: center;">Mr. SUDRET</p>	<p>Friday October 26</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 style="text-align: center;">Mr. PALFART</p>
<p>Thursday October 18</p> <p>Management of road maintenance</p> <p>Methods for the evaluation and assistance to the programming of the maintenance work</p> <p style="text-align: center;">Mr. LEPERT</p>		