



# e-TREAM

e-learning for training Energy Agencies in  
mobility management and alternative fuels

Intelligent Energy-Europe, STEER

**Charalampos Malamatenios, CRES**

Sustainable Transport and Mobility – Challenges and  
Approaches

30/01/2008 European Sustainable Energy Week - Brussels



# Background

- The **basic issues** that had to be resolved first were:
- ❖ How will the needs assessment help in identifying the format of the e-learning package? (surveys of WP2 and other STEER Projects)
- ❖ How can existing materials be redesigned to generate information for the e-learning products? (WP3)
- ❖ How can the format of materials be matched with the actual needs of the end-users? (WP2)
- ❖ Which components of the e-learning materials need to be on-line and which off-line (electronic and hardcopy)?
- ❖ How can the information flow be controlled? I.e. delivering the right information at the right time to the right level and the right end-user..
- ❖ Which will be the frequency, format and mode of delivery of the e-learning products?

## Background – Development

- At first, “detailed specifications” for the platform were developed.
- An assessment of about 40 LMS was made → Criteria used:
  - ✓ Open platform (no licensing costs) - active development;
  - ✓ Easiness in installation and administration;
  - ✓ Support of discrete roles & easy use by the tutor;
  - ✓ Support of multiple languages (e.g. Bulgarian, Greek, Polish, etc.);
  - ✓ Developed according to relevant international standards;
  - ✓ Availability of basic e-learning tools & documentation.
- Although there can be no “*best LMS*” → the winner was: **Claroline**.
- The first stage of development finished in June 2007 → The English version was opened to the partner Energy Agencies for “testing” it.
- First update of platform (based on the *internal evaluation*) made.
- The platform was officially opened to end-users at October 2007 (in all languages of the partner Energy Agencies).



Welcome to the  
"e-Learning for Training Energy Agencies in Mobility Management and Alternative Fuels"



Project's e-learning platform

To register for e-TREAM, please follow the link [Create user account](#) and fill in the form with your name and address. There you can also choose the language you prefer for the course. After registration, you can choose one of the training modules and start your studies. A person in charge of the course will support your e-learning process and answer your questions, if necessary. For technical questions you can contact the system administrator. The use of the e-TREAM e-learning platform is free of cost.

The following list gives you a detailed description of the **Learning Process**:

- 1- First, you have to register on the platform. After registration, you will receive an e-mail containing all necessary information for beginners.
- 2- Using the information of the registration e-mail you can self enrol on the course that is available in 10 Languages.
- 3- After enrolling in the preferred language version, you will find a predefined learning path, which enables you to follow the studies in your own pace.
- 4- You are invited to clarify open questions with the Responsible Person of the course.
- 5- At the end of each studied subject you will be asked to complete an assignment.
- 6- Each module's Tutor will revise your assignments and give you feedback.
- 7- Moreover, the Responsible Person will accompany you on your way through the course using communication tools such as e-mail.
- 8- There will also be meeting points - Forums - available (organized once per month), where you can meet online with your tutors and fellow students.
- 9- The estimated time to conclude the course is 90 hours.

english ▾

Authentication :

User name


Password

Enter

[Lost password](#)

[Create user account](#)

Supported by:

Intelligent Energy  Europe

## General description of the Procedure

- To register for e-TREAM, the interested person has to follow the link [Create user account](#) and fill in the form with his/her name and address.
- There the student can also choose the language he/she prefers for the course.
- After registration, the student (user) can choose one of the training modules and start his/her studies.
- A person in charge of the course will support (all the time) the student learning procedure and answer any question or solve any problem that will appear, if necessary.
- For technical questions/problems the student can contact the system administrator.
- The use of the e-TREAM e-learning platform is free of cost.

# The Learning Process

1. After registration, the student (user) receives an e-mail containing all necessary information for beginners.
2. Using the information of the registration e-mail the user can self enrol on the course that is available in 10 Languages.
3. After enrolling in the preferred language version, the user can find a predefined learning path, which enables him/her to follow the studies in his/her own pace.
4. Students are invited to clarify open questions with the “Responsible Person” of the course.
5. At the end of each studied subject (Module) the student will be asked to complete an assignment (“project”).
6. Each Module's Tutor will revise all students’ assignments and give them feedback.

## The Learning Process (continued)

7. Moreover, the “Course Responsible” will accompany the students on their way through the course using communication tools such as e-mail.
8. There will also be meeting points – the so-called Forums - available, where the students can meet online with their tutors and fellow students for open discussions, exchange of opinions, solving of problems. It is planned to organise such Forums once per month (until the end of the project – i.e. August 2008), in the frame of which issues of a general nature (but always related to the course Modules) will be discussed (e.g. *how to organise a Mobility Agency, what are the aspects of cooperation with transport provider, how to achieve fossil free regions, etc.*).
9. The estimated time to conclude the course is 90 hours.

Welcome to the

## "e-Learning for Training Energy Agencies in Mobility Management and Alternative Fuels"



Project's e-learning platform

[📖 My course list](#) | [📖 Enroll on a new course](#) | [✖ Remove course enrollment](#) | [📖 All platform courses](#)

### My course list

[📖 ETREAM - e-TREAM \[EL\]](#)

Υπεύθυνος: Δρ Χαρ. Μαλαματένιος - Greek

[📖 ETREAM - e-TREAM \[EN\]](#)

Responsible person: Tobias Kipp

[📖 ETREAM - e-TREAM \[ES\]](#)

Persona encargada: - Spanish

[📖 ETREAM - e-TREAM \[FR\]](#)

Responsible person: - French

[📖 ETREAM - e-TREAM \[GE\]](#)


Responsible person: Tobias Kipp - German

[📖 ETREAM - e-TREAM \[PL\]](#)

Zarządca kursu - Polish

[📖 ETREAM - e-TREAM \[PT\]](#)

Supported by:

Intelligent Energy  Europe

 [Course description](#)

 [Agenda](#)

 [Announcements](#)

 [Learning Path](#)

 [Assignments](#)

 [Forums](#)

 [Users](#)

 [Chat](#)

Welcome to the **e-TREAM** e-learning platform! This service was created for the training of the employees of Energy Agencies and other interested actors in the transport sector. It provides information about Energy Efficient Driving, Mobility Management and Alternative Fuels / Vehicles.

The objective of e-TREAM is to complement the activities of the STEER-projects implemented in the first call of the Intelligent Energy-Europe Programme (i.e. [TREATISE](#), [COMPETENCE](#) and [e-ATOMIUM](#)) by integrating their training materials in an e-learning platform, enabling our target groups to extend their knowledge about mobility issues.

The partner Energy Agencies will use their new skills for implementing mobility services. Long term objectives of the Project are:

- ◆ the reduction of energy consumption, and
- ◆ the promotion of alternative fuels and more sustainable transport modes.

The e-TREAM e-learning support tool contains a range of resources including study notes, case studies and interactive software. The training materials included herein are structured in 9 Modules, as follows:

1. [Fundamentals of transport and energy \(introduction\)](#)
2. [Production and utilisation of biofuels](#)



Course description: Here you receive detailed information about the content of the course.

Agenda: In this area of the platform you can see the agenda for the Forums (organised once per month).

Announcements: The Responsible Person will use this functionality to send e-mails to the students and put online announcements for all public.

Learning Path: In this area you can access the contents of the course.

Assignments: The Tutor will use this functionality to assign learning exercises to the students.

Forums: You can use the forum to publish questions and to discuss important topics with the Tutor and the other students.

Users: List of course users.

Chat: Meeting point.

My Calendar (top of the page): In this area of the platform you can see the agenda for the meeting points (organized once per month).

### **Feedback**

Feedback is essential to the learning process, and it is one of the main features of our e-learning program. Feedback enables the student to progress effectively with his/her studies by answering two basic questions:

- *How is the student doing?*

- *How can the student be improved?*

Feedback takes the form of constructive advice sent to the students by the tutor whenever they have submitted each assignment. There are also opportunities for the students to receive advice about areas of concern related to the subjects they are studying but not specifically related to their assignments. For rapid feedback, the distance-learning students are encouraged to use the e-TREAM Web gateway.

### **Using the e-TREAM Web Gateway**

Typical Student : [My course list](#) | [My calendar](#) | [My User Account](#) | [Logout](#)



















## e-TREAM [EN]

ETREAM - Responsible person: Tobias Kipp

Learning Path

✦ [e-Tream](#) > [ETREAM](#) > [Learning Path List](#)

### Learning Path List

Learning Path	Progress
 <a href="#">Fundamentals of Transport &amp; Energy</a>	 0%
 <a href="#">Biofuels (production, utilisation)</a>	 0%
 <a href="#">Alternative fuels &amp; vehicles</a>	 0%
 <a href="#">Driving Style &amp; In-car Devices</a>	 0%
 <a href="#">MM for Municipalities</a>	 0%
 <a href="#">MM for Companies &amp; Institutions</a>	 33%
 <a href="#">MM for Schools</a>	 0%
 <a href="#">Demand Management</a>	 0%
 <a href="#">Mobility Marketing</a>	 0%

Course progression :  4%

**e-TREAM [EN]**

ETREAM - Responsible person: [Tobias Kipp](#)

Learning Path

[Home](#) > [e-Tream](#) > [ETREAM](#) > [Learning Path List](#) > [Learning Path](#)

## Learning Path

### Fundamentals of Transport & Energy

The aim of this training module is to provide information about the basics of transport and the opportunities to influence the transport system. It is the fundament of the other e-TREAM training modules. At the end, the other training modules are briefly described to facilitate your decision for the next steps of e-TREAM learning.

This Module consists of the following Units:

Unit 1: Basics

Unit 2: The four "Set Screws" to influence Mobility,

and an Annex, containing further information about Air Pollutants

Enjoy your tour in this Module and don't forget to try to make your self-assessment at its end (when you feel that you have finished studying the Module and that all things are clear for you). In case you need any further clarifications or you'd like to ask questions about the Module's topics, don't hesitate to contact the Module's tutor Mr [Tobias Kipp](#).

Module	Progress
<a href="#">FU Unit 1.htm</a>	<div style="width: 0%;"></div> 0%
<a href="#">FU Unit 2.htm</a>	<div style="width: 0%;"></div> 0%
<a href="#">FU Annex.htm</a>	<div style="width: 0%;"></div> 0%
<input checked="" type="checkbox"/> <a href="#">Test for Module 1</a>	<div style="width: 0%;"></div> 0%

## Fundamentals of Transport & Energy

# 1. BASICS

View : [Fullscreen](#) | [In frames](#)

 [FU\\_Unit\\_1.htm](#)



 [FU\\_Unit\\_2.htm](#)

 [FU\\_Annex.htm](#)

[Test for Module 1](#)

[Previous](#) | [Next](#)

[Back to list](#)

The aim of this training module is to provide information about the basics of transport and the opportunities to influence the transport system. It is the fundament of the other e-TREAM training modules. At the end the other training modules are briefly described to facilitate your decision for the next steps of e-TREAM learning.

EU-introduction film: Better and cleaner urban transport for Europe (EN, DE, ES, FR, IT, PL):

EN [http://ec.europa.eu/dgs/energy\\_transport/videos/transport/2006\\_09\\_urban\\_transport\\_en.htm](http://ec.europa.eu/dgs/energy_transport/videos/transport/2006_09_urban_transport_en.htm)

## 1.1 Definitions

### Mobility

Mobility occurs as a result of the necessity of performing different activities at various locations. These activities can be summarised into five basic functions of existence:



Living/residence

# 1. BASICS

View : [Fullscreen](#) | [In frames](#)

[FU\\_Unit\\_1.htm](#) ✓

[FU\\_Unit\\_2.htm](#)

[FU\\_Annex.htm](#)

Test for Module 1

[Previous](#) | [Next](#)

[Back to list](#)

The aim of this training module is to provide information about the basics of transport and the opportunities to influence the transport system. It is the fundament of the other e-TREAM training modules. At the end the other training modules are briefly described to facilitate your decision for the next steps of e-TREAM learning.

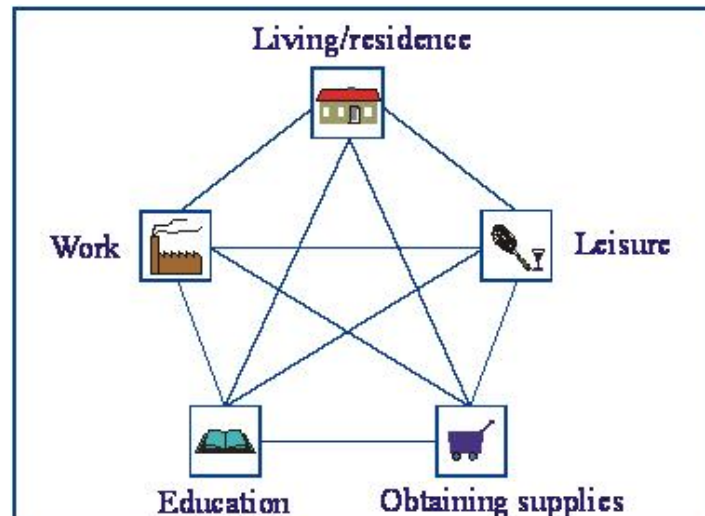
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EN [http://ec.europa.eu/dgs/energy\\_transport/videos/transport/2006\\_09\\_urban\\_transport\\_en.htm](http://ec.europa.eu/dgs/energy_transport/videos/transport/2006_09_urban_transport_en.htm)

## 1.1 Definitions

### Mobility

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## e-TREAM [EN]

ETREAM - Responsible person: Tobias Kipp

Learning Path

[e-Tream](#) > [ETREAM](#) > [Learning Path List](#) > [Learning Path](#) > **Module**

### Mobility Marketing

View : [Fullscreen](#) | [In frames](#)

 [Mark Unit 1.htm](#)

 [Mark Unit 2.htm](#)

 [Mark Unit 3.htm](#)

 [Mark Unit 4.htm](#)

 [Mark Unit 5.htm](#)

 [Mark Annex I.htm](#)

 [Mark Annex II.htm](#)

[Test for Module 9](#)

#### Question 5

#### MMR-Q18

What does "perception of options" mean in a Mobility Marketing campaign?

Answer

Answer:

People may [**consider** / **perceive**] different modes in different [**choices** / **ways**]. However, the way in which they prioritise the [**factors** / **characteristics**] of the alternatives may vary according to particular circumstances. People will only [**consider** / **consider**] voluntarily changing mode if they have a positive perception of the [**characteristics** / **alternatives**] with regard to [**alternatives** / **factors**], which are most important to them. For example, if the most important factor for them is cost, they are [**perceive** / **unlikely**] to favour buses if they think the tickets are too expensive, even if a bus trip is seen to be quicker than the same trip by car. This stage therefore will [**consider** / **assess**] which factors are most important in travel [**choices** / **choices**].

[Previous](#) | [Next](#)

Fill in blanks

[Back to list](#)

Score : 20/100

Your time is 2 min. 32 sec.  
Your total score is 85/500

## Question pool














































Filter :

### [New question](#)

[<<](#) [≤](#)

[1](#) [2](#) [3](#) [4](#) [5](#) [6](#) [7](#) [8](#)

[≥](#) [>>](#)

Question	Answer type	Modify	Delete	Export
DS-Q16	Multiple choice (Multiple answers)			
DS-Q17	Multiple choice (Multiple answers)			
DS-Q18	Matching			
DS-Q19	Multiple choice (Multiple answers)			
DS-Q20	Fill in blanks			
Evaluation 1.1	Multiple choice (Multiple answers)			
FT-Q01	Multiple choice (Unique answer)			
FT-Q02	Multiple choice (Multiple answers)			
FT-Q03	Matching			
FT-Q04	Multiple choice (Multiple answers)			
FT-Q05	Multiple choice (Multiple answers)			
FT-Q06	Multiple choice (Multiple answers)			
FT-Q07	Multiple choice (Multiple answers)			
FT-Q08	Multiple choice (Multiple answers)			
FT-Q09	Multiple choice (Unique answer)			



Char. Malamatenios : [My course list](#) | [My calendar](#) | [My User Account](#) | [Platform Administration](#) | [Logout](#)

## e-TREAM [EN]

ETREAM - Responsible person: Tobias Kipp

Chat

🏠 [e-Tream](#) > [ETREAM](#) > Chat

### Chat

[11/05/07 13:49] <Char. Malamatenios> Just testing...  
[03/08/07 09:51] <Konstantinos K.> Just to check!  
[09/08/07 10:05] <Maria Pilar Perez C.> how are thing?  
[09/08/07 10:05] <Maria Pilar Perez C.> testing the chat....  
[22/08/07 12:25] <Agnieszka C.> .  
[22/08/07 15:47] <Agnieszka C.> test  
[27/09/07 18:10] <Thekla Heinel> Is there someone online, I would like to see if the chat works.  
[02/10/07 10:34] <Erika Farkas> hi  
[04/10/07 17:26] <Thekla Heinel> Currently any visitors?

Last message was on : October 04, 2007 at 04:26 PM

[Reset](#) | [Store Chat](#)

Manager(s) for ETREAM : [Responsible person: Tobias Kipp](#)

Administrator for e-Tream : [e-TREAM Administrator](#)

## e-TREAM [EN]

ETREAM - Responsible person: Tobias Kipp

Forums











[e-Tream](#) > [ETREAM](#) > [Forums](#)

View mode : [Student](#) | [Course manager](#)

### Forums

[Create category](#) | [Create forum](#) | [Search](#)

#### Main

Forum	Topics	Posts	Last message	Edit	Empty	Delete	Move
 <a href="#">Test forum</a> Remove this through the forum admin tool	2	5	Oct. 05, 07 02:36 PM				
 <a href="#">Forum for MODULE 1</a> This FORUM will be held in the 1st of February 2008, with the central theme: "How to organise a Mobility Agency". All platform users are kindly invited to participate in it!	1	1	Jan. 17, 08 01:02 PM				

#### Group forums

No forum

Manager(s) for ETREAM : [Responsible person: Tobias Kipp](#)

Administrator for e-Tream : [e-TREAM Administrator](#)