



# **Analysing Transition Planning and Systemic Energy Planning Tools for the implementation of the Energy Technology Information System**



Co-financed by the European Commission,  
contract No. 241382

**Dr George Giannakidis**  
Energy Systems Analysis Lab.  
CRES

# ATEST - SET-Plan support



## SET-Plan Communication COM(2007)723:

**“To plan and develop future infrastructures and policies, it is essential to have a good understanding of the full implications and logistics of new energy technology options. [...] The Commission proposes to initiate in 2008 an action on European energy infrastructure networks and systems transition planning. [...] It will help the development of tools and models for European level foresight.”**



### ATEST aim:

**“To address the methodologies and modeling toolbox required to support the decision making of the SET-Plan in the priority area of transition planning of the deployment of low carbon technologies and their supporting infrastructures.”**

## Objectives

The Objectives of the project are to:

- **Review models/tools** used in the European Countries, taking in mind what is used outside Europe, and what are the requirements of the SETPlan.
- **Identify and recommend common tools** and/or methods to be used in the MS and in the Energy Technology Information System (SETIS), and gain consensus on these models.
- **Identify and recommend existing sets of data** (on technologies, energy resources, statistics etc.), and provide a roadmap for the development of these data on a European and on a regional level.
- **Identify the roadmap for the improvement** and development of the tools and methods in order to cover the needs of the SETPlan implementation.

# Objectives

## ***Objective 1: Review of models/tools***

Evaluation of the existing tools, gaining insight on their architectural methodologies and assessment of their efficiency. Last but not least these tools will offer the possibility of expanding the capacity to model the restructuring of the European Energy System towards a low carbon future, according to the vision of the European Community.

Available on [www.atest-project.eu](http://www.atest-project.eu) :

**“Specifications and Requirements of the ATesT toolbox”**

**“Models Characterization Report”**

# Objectives

## ***Objective 2: Identification and recommendation of common tools***

Identify and recommend tools that fulfil the requirements of the SETplan, and can be used in common by all the interested parties (MS, Industry, Associations, EC, etc).

Available on [www.atest-project.eu](http://www.atest-project.eu) :

**“Models Characterization Report”**

**“Models/Tools Selection Methodology”**

## Objectives

### ***Objective 3: Identification and recommendation of existing sets of data***

In this direction the existing databases reviewed and the project team will suggest a roadmap for their improvement and the development of new data according to the specialised needs of the tools selected.

Available on [www.atest-project.eu](http://www.atest-project.eu) :

**“Report on Existing Data and Data Requirements”**

## Objectives

### ***Objective 4: Development of a roadmap for the improvement of the tools***

An important key point of the project will be the development of a roadmap of the activities that will finally provide the set of methods/tools that are required for the planning and the development of infrastructure, transition and policy in the European Energy Sector.

This workshop will contribute towards this objective.

The final report will be available on [www.atest-project.eu](http://www.atest-project.eu).

**All Reports Available at**

**[www.atest-project.eu](http://www.atest-project.eu)**