

## CHEMIFOR: Integrated Self-training System for the Chemical Sector



The third transnational meeting of the **CHEMIFOR PROJECT** took place in Piraeus, Greece – on 13<sup>th</sup> November, 2009. During the meeting, all partners discussed the work plan, schedules and timelines, evaluation and dissemination plans and the outcomes of the 2<sup>nd</sup> technical assessment round of the project.

Each partner presented the first draft *of their training plan and training material* for the chemical subsectors developed by each of them. In particular:

**United Kingdom:** Training plan for **PLASTICS** sector

**Greece:** Training plan for **FOOD ADDITIVE** sector

**Spain:** Training plan for **RUBBER** sector

**Italy:** Training plan for **PHARMACEUTICAL** sector

### WASTE AWARENESS IN THE PLASTICS SECTOR

The main objective of this training module is training in reducing waste in the plastics subsector.

The target groups are production workers and new workers in plastic manufacturing companies.

The material will consist of 7 didactic units aimed at:

- Providing a new way of looking at the management of waste by:
  - explaining what wastes are
  - providing an understanding of how and where wastes are produced in the workplace
- Providing an understanding of different types, natures and quantities of waste
- Raising an awareness of the current waste management practices and disposal routes through the explanation of the wastes hierarchy

- Demonstrating the need to improve waste management practices by:
  - explaining the impact of wastes on the environment
  - explaining what are sustainable practices in wastes management
- Raising awareness of the health and safety issues in the handling, movement and storage of wastes by:
  - providing an overview of the employers responsibilities
  - providing fundamental knowledge of individuals responsibilities
- Demonstrating how legislation, in particular the Duty of Care, helps to promote best practices in the management of wastes
- Enabling participants to conduct basic waste audits

#### INTRODUCTION TO THE CHEMISTRY OF FOOD ADDITIVES

This module focuses on training on food additives and is aimed at laboratory workers, new workers in R&D departments of manufacturing companies of food additives, as well as trainees' of chemical laboratory assistants.

The training plan includes the following units:

- What is a Food Additive?
- Categories of Food Additives
- Are additives safe?
- Safety and Regulation
- Food Additives Associations and Regulatory Bodies
- Safety rules in a chemical laboratory
- Food safety management systems

#### PNEUMATIC TYRE MANUFACTURING PROCESS

The aim of this module is to provide knowledge to new workers in the tyre manufacturing industry regarding the manufacturing process of tyres.

Specifically, the training will provide knowledge on:

- components of a tyre
- rubber mixing process
- tubed and calandered tyre components
- cut tyre components
- green tyre building process
- curing process
- final inspection and tyre testing (quality assurance)

#### QUALITY, SECURITY AND ORGANIZATION ASPECTS IN THE CHEMICAL SECTOR

In order to increase the adaptability of workers and entrepreneurs manage the consequences of economic changes, promote and enhance interest in vocational training field, the general objective of this module is to improve the effectiveness and

efficiency of the production process of the company, by adapting the skills of professionalism inside the company.

This module addresses in technicians of any type of industry and promotes transversal skills, such as:

- Business communication
- Legislation and security
- Work psychology – Level of stress
- Quality and environment
- Business organization

#### Review of Project

The project objectives and work plan were reviewed. The anticipated final product will be in 4 languages, (**English, Greek, Italian, Spanish**) and will be a self-learning CD-ROM.

The work process plan was reviewed - current position and what still needs to be done.

Stage 3 (WP3) "**Design of Learning Plan and development of the Training Material**" will be finished by the next meeting, which will be in Italy (March 2010).

*CHEMIFOR: an experience with European projection*

This project is being performed by a European consortium promoted by **FONDO FORMACION EUSKADI** (Spain), **BRIDGESTONE HISPANIA** (Spain), **E&L INSTRUMENTS** (United Kingdom), **LINK CONSULTING srl** (ITALY), **IDEC** (Greece) and **UGT FIA** (Spain).



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