



e-TOOLS

A set of e-tools and functional specifications are developed in the framework of the project Information Centre on Handling and Transportation of Petrochemicals and Hazardous Chemicals, for the systematic support and training of the project target-groups (SMEs, industry, transporters, etc.), namely:

1. A web-based intelligent tool for the determination of users legislative requirements (REACH, CLP, SEVEZO, ADR).
2. A customized e-tool which is providing guidelines for chemicals handling, emergency planning techniques, creation of SDSs, CLP of substances and mixtures, etc.
3. A data bank including Best Available Techniques (BATS) - Industrial Practices for the safe transportation and loading/unloading of chemical substances, Lessons learned from Accidents, Common Chemical Accidents during loading/unloading, SDSs, etc.
4. e-library containing papers, publications from studies relative to Environmental and Health protection from chemical spills and occupational risks and results from previous and running relative projects.
5. A knowledge exchange scheme and an open channel to European and Worldwide audience (e-forum) for the exchange of chemicals handling and transportation concerns, information and experience along with an interactive communication web system for online personalized recommendations dedicated to industries, SMEs, transporters, etc.

GENERAL INFORMATION & CONTACT

The European Project **PROTEAS** (LIFE+09 ENV/GR/291) is 50% co-funded by the European Commission under the Environment Policy and Governance component of the LIFE + Programme and has a duration of 4 years (2011-2014). The project partners are:



TECHNICAL UNIVERSITY OF CRETE
DEPARTMENT OF PRODUCTION ENGINEERING
AND MANAGEMENT

Project Coordinator - Scientific Director
Dr. G.A. Papadakis
Tel.: +30 28210 37316 | Fax: +30 28210 37541
email: gpap@dpem.tuc.gr



MOTOR OIL (HELLAS)
HEALTH SAFETY AND ENVIRONMENT DEPARTMENT

Head of HSE Department
Mr. G. Palaiochrassas
Tel.: +30 27410 48602 | Fax: +30 27410 48255
email: palaiochi@moh.gr



Head of AVIN STATION
Mr. V. Kapogiannis
Tel.: +30 27410 48703 | Fax: +30 27410 48747
email: kapog.va@avinoil.gr

www.proteas-reach.gr
proteas@safety.tuc.gr



www.proteas-reach.gr

PROTEAS

REACH Protocol

for Emissions and Accident Scenarios
in Supply and Distribution
of Fuels and Petrochemical products.



follow SAFETY

hit EMISSIONS

like REACH



LIFE + EUROPEAN PROGRAMME
ENVIRONMENT POLICY & GOVERNANCE 09/ENV/GR/000291

THE OBJECTIVE of the project is to develop a Protocol of good practices comprising essential Health Safety and Environmental (HSE) management system provisions, procedures, obligations and recommendations to all stakeholders in the management of chemical risks, related to the supply and distribution of fuels, petrochemical products and other dangerous substances. Its ultimate scope is to support the implementation of HSE Regulations and best industrial practices and procedures on hazardous chemicals (HazChem) by further defining the “Strictly Controlled Conditions” during the Life Cycle stages of products, in order to reduce hazardous emissions and accidental releases and their health and environmental consequences to vulnerable receptors. Additional scope of the project is to support the effectiveness of implementation of REACH/CLP Regulations in certain EU Member States.

The project outcomes are addressed to all potential users involved in the supply, transport and distribution of fuels, petrochemical products and other dangerous substances which have the potential to create adverse effects to the Health and Safety of employees, professionals and the public or significant damage to the environment. The main **target-groups** of the project are industrial producers (refineries, chemical and petrochemical industry), carriers/transporters via sea, road, rail and pipelines, petroleum and chemical marketing companies, petrol filling stations (refueling stations), distribution companies (e.g. heating oil resellers), etc.

THE REACH REGULATION

REACH Regulation (EC) No 1907/2006 is a European Union regulation concerning the **R**egistration, **E**valuation, **A**uthorisation & restriction of **C**hemicals.

This Regulation is based on the principle that it is for industries (e.g. manufacturers, importers) to ensure that they manufacture, place on the market or use such substances that do not adversely affect human health or the environment.

REACH replaced a number of European Directives and Regulations with a single system.

The Competent Authorities responsible for the implementation of REACH Regulation are the European Chemicals Agency (ECHA) and the National Authorities in each Member State e.g. the General Chemical State Laboratory - Directorate of Environment (in Greece).

EXPECTED RESULTS

of the project

- 1 to raise the standards and awareness on HSE risks** to stakeholders and the general public related to the supply and distribution of fuels, petrochemical products and other dangerous substances.
- 2 to provide guidance and training on the prevention of accidents** (occupational, industrial, environmental related to dangerous substances) and the minimization of their consequences.
- 3 to transfer knowledge and expertise to SMEs** from larger companies on national and European harmonized policies and best HSE practices including Emergency Planning.

- 4 to support REACH implementation** and the use of Safety Data Sheets (SDSs).

- 5 to support the safe handling of chemicals** by employees and the public in line with principles of REACH/CLP and other European Regulations on Health and Environment Protection.

For more detailed information about the project, you can visit the PROTEAS website:

www.proteas-reach.gr