



Waste Management and LCA

September 26-30 in Sozopol, Burgas area (Bulgaria)

A training week dedicated to waste management and LCA

Objective:

To raise awareness for and increase knowledge on integrated (environmental) assessment tools for waste management. The objective also is to provide a knowledge transfer from western European countries to new or accession member states in the central and eastern-European region. Finally the objective of this project is providing a capacity building for future developments. The use of integrated assessment tools both worldwide and in Europe is still growing, leading also to higher data demands.

Audience:

Municipal, regional and national waste management officers, postgraduate students, researchers especially from central and eastern European countries (CEEC). Interest in waste management and LCA should be present. We welcome participants with a good level of knowledge on waste and environmental issues.

Detailed programme:

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Price:

A fixed grant of €300-600 will be allocated to selected participants, originating from COST participating countries and especially from central and eastern European countries (CEEC). This grant will cover for travel and subsistence expenses (accommodation, lunches and dinners).

All participants have to contribute €50, which covers the scientific programme, software and database licences during the course. This fee is not allocated in the COST grant as stated above.

Registration:

The number of participants is limited to 20-30. E-mail your interest to valentin@gea.uni-sofia.bg. For foreign participants we will be glad to help you arrange your stay – possibly in private and rest home cheap accommodation – in





Bulgaria. Due to the limited number of participants we will aim at an evenly matched contribution of participants from countries and institutes (research, education, government) in CEEC.

The subscription will be closed at the 30th of August 2005. The final admission decision will be taken by a specific COST 530 selection committee.

This training week is supported by COST – the European Cooperation in the field of Scientific and Technical Research.

Applicant selection committee

Michael Betz Dipl.-Phys., Managing Director, PE Europe GmbH, Leinfelden-Echterdingen, Germany.

Chairman of the COST Action 530 “Sustainable Materials Technology - Life Cycle Inventories for Environmentally Conscious Manufacturing Processes”

Ing. Robert Jan Saft, senior researcher/consultant, Chain Management, IVAM UvA bv, ZB Amsterdam, The Netherlands.
Dutch delegate to COST 530

Dr P Le M Sinclair, Research Fellow, Polymer Research Centre, University of Surrey, Guildford, UK
English delegate to COST 530

Dr. Valentin Vladimirov, Sofia University St.Kl.Ohridski, Sofia 1000, Bulgaria.
Bulgarian delegate to COST 530 and coordinator working group "End of Life"





During the 5 day training school the following issues will be addressed:

- Waste management cycle: collection, recovery, recycling, processing;
- Outlook and status of waste management in Europe;
- Waste, Materials and Resources: definitions and relationships;
- History and use of LCA;
- ISO-standards 14.040 ff;
- Elements of LCA: Life cycle inventory, Life cycle impact assessment methods;
- LCA-software (SimaPro, Gabi);
- Modelling waste management in LCA;
- Case-studies.

The final program will be available at the start of the training week. Several trainers will support the training school. Some of which have their origin in waste management, others are experienced LCA-practitioners. During the week the practical use of LCA-software will be addressed. A lot of attention will be paid to interaction with the audience. Therefore the actual programme might differ.





Venue

The training school will be held in Sozopol, Bulbank Rest Home, Lazouren Bryag str. Sozopol is situated 30 km Southern of Burgas and ~40 km of the Burgas Airport.

It is one of the earliest towns on the Bulgarian Black Sea Coast and dates from 2610 years ago. It is situated upon a picturesque peninsula. The archaeological findings testify to the presence of the Thracians as its first inhabitants. In 620 B.C. immigrants from the rich city of Millet - the largest South Greek centre on the Asia Minor coast - turned the old Thracian settlement into a rich Hellene colony - the independent city-state Apollonia-Pontica.

Only as late as the beginning of c.4, with the great political and ethnic changes in the Roman empire and the growth of Constantinople's in its eastern part Apollonia regained its former significance. This is the source of the town's new name - Sozopolis, *the town of salvation*.

Sozopol resisted the barbarian invasions in the period from c.3 to c.7 A.D., it was annexed to Bulgaria's territory in 812 by Khan Krum, and after that was continually conquered by Byzantium and regained from it (972-1366). In c.13 it was an important harbor centre, a mediator in the international commerce, an Episcopal and metropolitan's seat. The monastery "Sveti Yoan Predtecha" (St. John the Forerunner) on the Sveti Ivan isle was a spiritual and literary centre not only on a local and a national, but also on an international level.

After the fall of Sozopol under Ottoman oppression in 1453 it gradually declined and turned into a poor fishermen's and wine-producers' settlement. It recovered in the years before the National Liberation in 1878 and especially after that because of the exclusive hardiness and vitality of its population.

Social and evening programme:

The programme will include visits to sightseeing's in this Black See region. Burgas is situated in the vicinity of the Atanasovvsko salt lake reservation and is a well-known site for bird watchers at the beautiful fresh water lakes. Of course there will be time to explore the nightlife. Additionally, a buffet on the first evening and an official dinner are planned.

