

NATIONAL WORKSHOP

Biodiesel Chains Project

***in the framework of the Intelligent Energy Programme of
the EC***

Sofia, 14 July 2006

How the Biodiesel Chains Project can contribute for the development
of biodiesel production in Bulgaria

Ilian Jeliaskov

ESD Bulgaria Ltd.

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Brief presentation of ESD Bulgaria

Founded in 1998

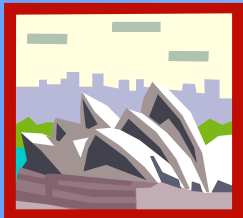
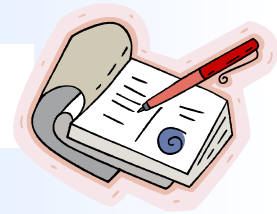
Private company, subsidiary of ESD Ltd.

Activities:



Energy consulting

Local sustainable energy planning



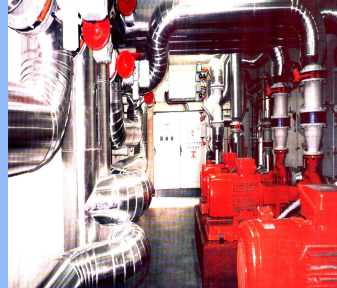
Energy efficiency

Brief presentation of ESD Bulgaria

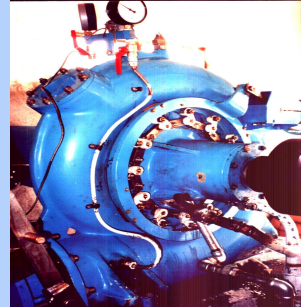
Renewable energy



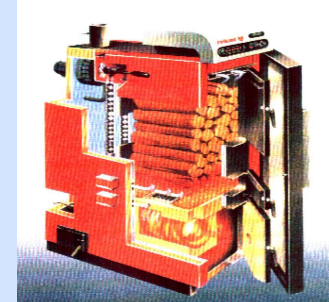
**Solar
thermal
systems**



**Geothermal
energy**



**Small
hydro**



**Biomass
energy**

Carbon trading

The Biodiesel Chains Project(1)

Intelligent Energy  Europe



Contract No: EIE/05/113/SI2.A20022

Duration: 1/1/2006- 31/12/2007

Project Goal:

Establishment of biodiesel market chains between all participants in the production and consumption of biodiesel.

Project participants:

Centre for Renewable Energy Sources (CRES) – Greece

Institut für Energie und Umweltforschung Heidelberg GmbH (IFEU), Germany

Université Catholique de Louvain (UCL) – Belgium

Intertermo Concept (ITC) – Romania

Polish National Energy Conservation Agency (KAPE) – Poland

AEOLIKI Ltd. - Cyprus

ESD Bulgaria Ltd.

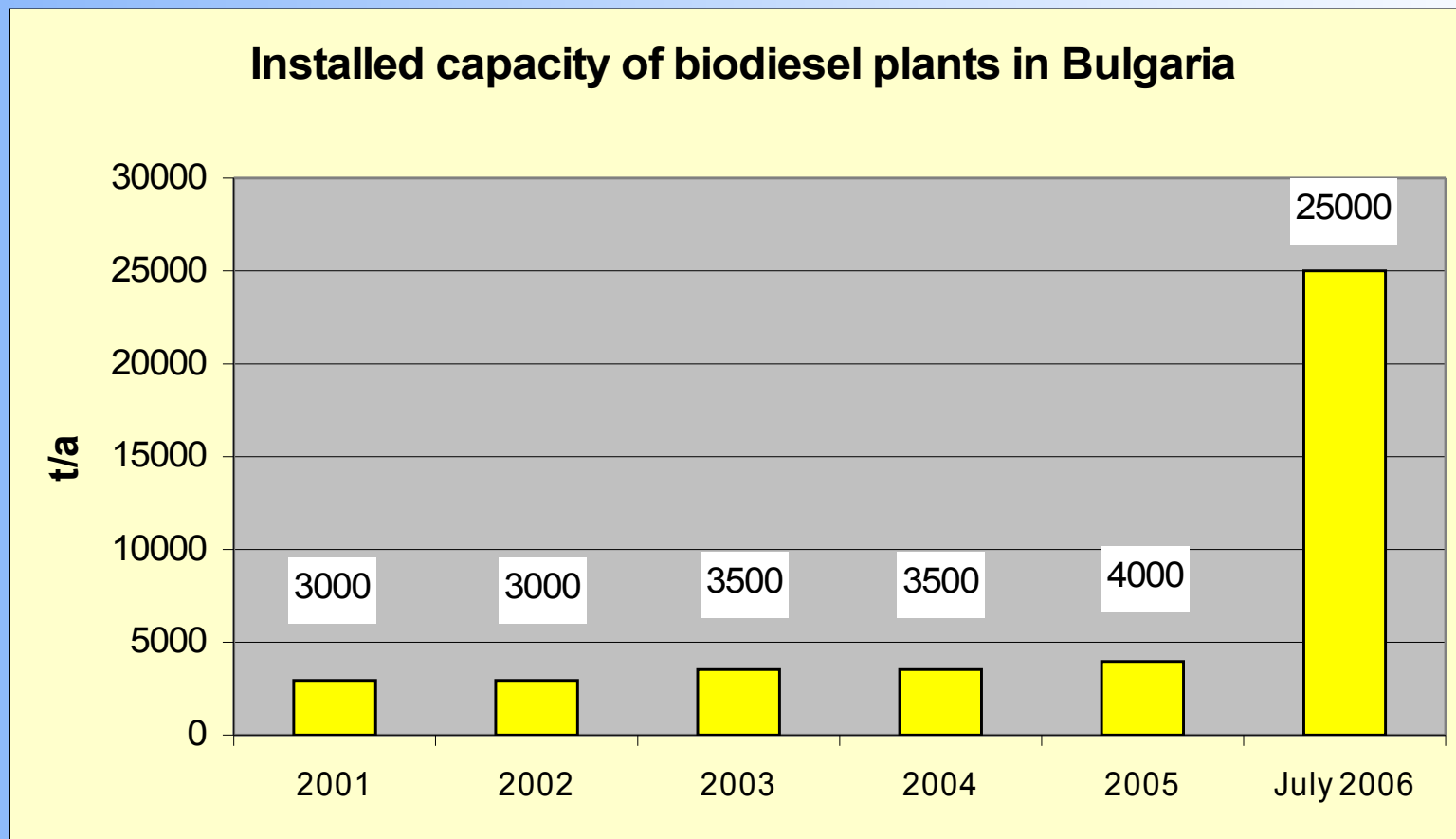
European Biodiesel Board (EBB) - Belgium

Project web site: <http://www.cres.gr/biodiesel>

Work Programme:

- 2) Analysis of the biodiesel market status in the participating countries
- 3) Study of best practice examples
- 4) Market structures – determining how to create country-specific favourable conditions to increase market penetration of biodiesel
- 5) Strategy formulation
- 6) Creation of networks of relevant stakeholders
- 7) Dissemination

Uniqueness of the current moment of biodiesel developments in Bulgaria (1)



Source: Evaluation, made by the National Association for Biofuels and Renewable Energy in Bulgaria

Uniqueness of the current moment of biodiesel developments in Bulgaria (2)

The new Bulgarian Law on Excise Tax and Tax Registered Storage Areas (*from 15 November 2005*) specifies a zero taxation rate for 100% biodiesel (art. 32 and 33), applicable from 1 January 2006

Vision for optimum conditions for development of biofuels production in our country (1)

Why is needed support for biofuels?

1) From the point of view of our national interests:

- Presence of modern technologies in our country
- Creation of additional employment, including in agricultural areas with high unemployment
- Decrease of the dependence from fuel imports
- Improved environmental impact

7) From the point of view of the EU energy policy:

- In the EU Directive 2003/30/EC is specified an indicative target for the member countries to have 5.75% share of biofuels from the overall fuel consumption for transport in 2010.
- For our country this would mean to an overall biofuels quantity of about 135 000 tonnes petrol equivalent annually – corresponding e.g. to about 100 000 tonnes annually of biodiesel about 70 000 tonnes annually of bioethanol.

Vision for optimum conditions for development of biofuels production in our country (1)

What additional activities are needed:

2) Support of ALL types of biofuel, including:

- Biodiesel blends
 - Bioethanol
 - MTBE and ETBE
 - Straight vegetable oil
 - Second-generation biofuels (bioethanol from cellulose, biodiesel from gasification of biomass and Fischer – Tropsch synthesis, etc.)
- 8) Simplification of the rules for tax relieves for new biofuel producers.
- 9) Creation of a system for quality control of biofuels, including with the necessary accredited laboratories.

Thank you for your attention!

Ilian Jeliazkov

ilian@esdb.bg

www.esdb.bg