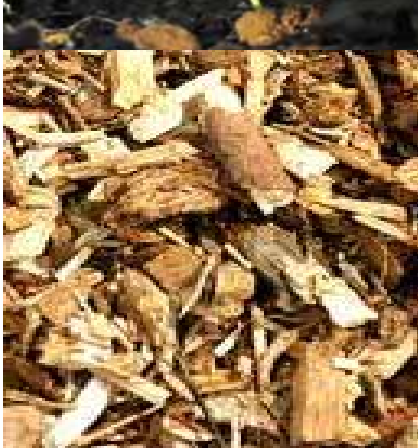




Benchmarking and guidelines for streamlined authorisation processes for bioenergy installation

European Biomass Background



One of the major bottlenecks for developing bioenergy projects is the permitting procedure:

- Permitting procedure may take a long time
- Hampering the quick introduction of bioenergy projects
- Discouraging potential investors to continue their necessary activities in the bioenergy field

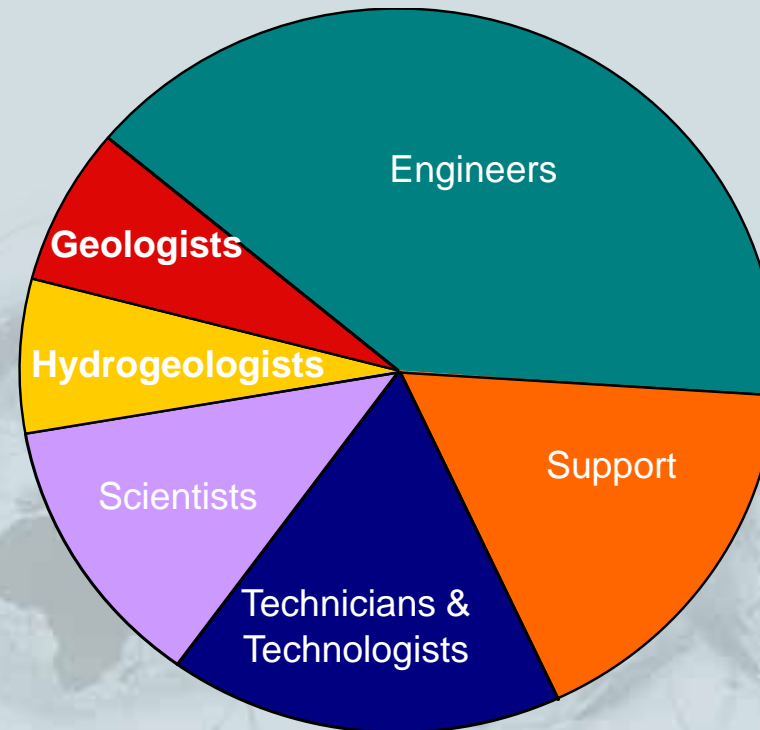
The project

A consortium formed by **Ecofys** and **Golder Associates** has been retained by the European Commission, **DG TREN**, Brussels

- to carry out a study in the field of bioenergy
- to assess the current bottlenecks in the **permitting procedure** of bioenergy installations in the EU
- to identify possible modifications and improvements to the European legislation

Golder Associates

- Founded in Toronto in 1960
- 100% employee owned
- About 7000 employees in six continents
- 144 offices worldwide



European presence

Next opening – 2008

St. Petersburg,

Russia

Trieste,

Italy



Vision on Project

The purpose of project is carry out an in-depth analysis of the current situation in various European countries:

- **procedure** to compare formal process with real application
- **geographical spread**
- **major biomass technologies:**
 - combustion of solid biomass,
 - co-firing and gasification,
 - anaerobic digestion and landfill,
 - biofuel production and combustion

Work packages

- WP 1: Literature Survey, Methodology and Category Identification
- WP 2: Inquiry and Documentation of Real Licensing Cases
- WP 3: Analysis of the Results
- WP 4: Establish Best Practices, Workshops & Recommendations
- WP 5: Dissemination, Knowledge Transfer and Final Report

WP 1 : work packages structure

- **WP 1: Literature survey, methodology and category identification**
- literature survey and stakeholder interviews
- methodology, category identification and pre-analysis

WP 2 : work packages structure

- **WP 2: Inquiry and documentation of real licensing cases**
- selection of relevant cases
- development of questionnaire & stakeholder consult
- inquiry & data collection

WP 3 : work packages structure

- **WP 3: Analysis of the results**
- perform expert analysis
- sort criteria & indicators



WP 4 : work packages structure

- **WP 4: Best practices, workshops & recommendations**
- establish concept set of best practices & recommendations
- workshops
- determine final set of best practices & recommendations

WP 5 : work packages structure

- **WP 5: Dissemination, knowledge transfer & final report**
- development of flyers
- printing flyers & dissemination
- final report

Workshop

Main targets of the Workshops:

- **to collaborate, share ideas, develop partnerships;**
- **to give recommendations on how future licensing processes could be streamlined and optimized.**

Main themes:

- June 10, Combustion – solid biomass for electricity or heat production;
- June 11, Co-firing – combined combustion plants and gassification;
- June 12, Gas - from landfills and AD plants;
- June 13, Biofuels – production and utilization.

Follow-up

Workshop outcomes and suggestions will be submitted to the DG TREN Commission and sent to all attendees in four weeks.

Updates of the project will be available on the DG TREN website.

Recommendations on how future licensing processes could be streamlined and optimized will be included in the final report of the project.



Thank you

