

***Mapping activities of the EBTP:
Databases of main ongoing biofuels related
R&D projects, pilot & demonstration plants
and public biofuels debates***

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- Follow up activity to launch of SRA and SDD in Jan 2008
- Need to have a clearer picture of ongoing R&D projects, pilot and demonstration plants, also in view of SET plan and EII-B
- Debate on impact of biofuels on climate change and world food situation also very relevant for R&D priorities
- **Result: three different databases on**
 - **Biofuel R&D projects**
 - **Biofuel pilot and demonstration facilities**
 - **Organisations participating in the public biofuels debate and relevant publications**
- Joint activity of secretariat with active EBTP members
- Limited resources for this activity, ie not replacing specific EU funded projects in this area



The screenshot shows the homepage of the 'Database of European Biofuels Research'. It features a green header with the Biofuels Technology Platform logo and the title 'Database of European Biofuels Research'. Below the header, there is a welcome message and a 'logout' link. A search section titled 'Search database:' provides instructions on how to search for projects by research area, keywords, or funding country. At the bottom, there is a search form with a dropdown menu for 'All SRA research areas', a text input for 'with keyword', a dropdown for 'Any country', and a 'go' button.

Welcome to the Database of European Biofuels Research. [logout](#)

This database has been created to collate the main ongoing projects funded by EU, Member States and other countries of direct relevance to the **Biofuels TP Strategic Research Agenda**.

Search database:

You can search for projects by:

1. Research area, as identified within the SRA
2. Optional **keywords** or phrases (e.g. enzymes, lignocellulose, sustainability, etc)
3. Funding Country (select 'EU27' to view EU funded projects)

Find projects relating to SRA Research Area:

All SRA research areas with keyword in Any country

- **Searchable online database in PHP/MySQL format freely accessible for all stakeholders (register online)**
 - **Starting point for EC funded projects: Cordis, Biomatnet etc.**
 - **More difficult to obtain information on nationally funded projects**
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- **So far 50 projects listed, mainly funded by the EC, Spain and Germany**
 - **Database information is only the starting point; link to more detailed project information**

Database on Biofuels Pilot and Demo Plants

- Pilot and demonstration plants have significant capital and operating expenses
- Good overview on existing public and private facilities therefore very helpful
- “Light” database in excel format so far only internally for TP SC and WG (will be extended to all stakeholders)

Database on Pilot & Demonstration Plants

Pilot / Demonstration Plant	Titel / Reference	Location	Details
Pilot Plant	Ethanol Pilot Plant Örnsköldsvik	Örnsköldsvik (Sweden)	view details
Demonstration Plant	Choren Beta-Plant Freiberg	Freiberg (Germany)	view details
Demonstration Plant	Güssing Biomass-Fuelled combined heat	Güssing (Austria)	view details
Demonstration Plant	Gryaab Biogas Plant, Göteborg	Gothenburg (Sweden)	view details
Pilot Plant	Chemrec Bio-DME	Piteå, (Sweden)	view details
Pilot Plant	GoBiGas	Gothenburg (Sweden)	view details
Demonstration Plant	Inbicon/DONG Energy	Kalundborg (Denmark)	view details
Demonstration Plant	BornBioFuel	Aakirkeby (Denmark)	view details
Demonstration Plant	Mesta Oil Qui	Denmark (Finland)	view details

Database on Biofuels Pilot and Demo Plants

Titel / Reference		Choren Beta Plant Freiberg
General Plant Information	Pilot or demonstration plant	Demonstration Plant
	Location	Freiberg
	Country (or Europe, EU27, etc)	Germany
	Total budget (€)	ca 100 million (€)
	Public support (%)	25%
	Funding	privat
Detailed Plant Information	Start Date (DD/MM/YYYY)	
	Commissioning (DD/MM/YYYY)	April 2008 (start up approximately 8-12 months)
	Hours of operation	
	Feedstock(s) currently used	50% waste wood (AWA2); 50% woodchips from forestry
	Feedstocks of future interest	
	Capacity	68.000 t dry / year
	Feedstock	18 Mio litre BTL / year
	Product	
	End product	BTL
process summary (max 500 words)	Carbo-V biomass gasification technology gas conditioning (CO-shift, Selexol,...), Fischer Tropsch Synthesis	
Experience on development/ technical issues / failures		
Contact Information	Coordinating Organisation / Company	Choren Fuel Freiberg GmbH & Co. KG
	List of project partners	CHOREN Technologies GmbH: PDP, EP gasification & utilities Shell Global Solutions: PDP for FT-Synthesis and product upgrading EDL, Leipzig: E, P for gas conditioning/FT/upgrading
	Website	www.choren.com
	Contact person	Matthias Rudloff
	Telephone	+49 3731 2662 222
	E-mail	matthias.rudloff@choren.com
	List of available reports	

- Starting point again Cordis, Biomatnet, but also very relevant information from biofuel stakeholders
- So far 14 projects listed with site, feedstock, technology, capacity, contact
- For this database, stakeholder support even more crucial
- Co-operation with IEA Task 39 has started

- Debate on impacts of biofuels on climate change and world food supply caused many position papers and studies
- Complete analysis too ambitious
- Focus on background on organisations, biofuel R&D issues addressed and scientific data provided in publications
- Excel based with currently 33 reports (work in progress)

Public debates on biofuels - Latest REPORTS

Date	Organisation	Report	R&D issues		Scientific data	
			yes	no	yes	no
Dec 2008	IEA- Task 39	Biofuels for Transport: Part of a sustainable future	x			x
Dec 2008	UFOP	Biodiesel at a dead end!?	x			x
Dec 2008	Biofuels Digest	Biomass R&D Board releases landmark biofuels feedstock economic feasibility				
Dec 2008	BiofuelGO	BiofuelGo_Concept_Roadmap	x			x
Nov 2008	CEPEA	Biofuels, food security and compensatory subsidies		x		x
Nov 2008	IEA/OECD	From 1st- to 2nd- generation biofuel technologies	x		x	
Nov 2008	UN	Making Certification work for sustainable development: the case of Biofuels	x			x
Sept 2008	ASEED	Agrofuel- no cure for oil addiction or climate change		x		x
Sept 2008	FAO	The state of food and agriculture 2008		x		x

- *The databases are only a starting point and will need continuous improvement*
- *Cooperation with other projects has started and will be intensified: IEA Bioenergy Task 39, BIOMAP, BiofuelCities*
- *Stakeholders can play a decisive role in contributing new examples of relevant projects and pilot/demo plants*
- *Relevance of information can be best accessed online!*

European Biofuels Technology Platform

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