

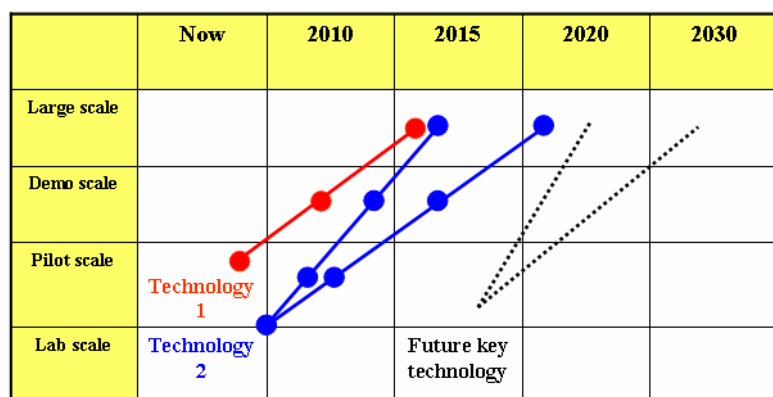
# Biorefinery.nl

Dutch Network on Biorefinery – Newsletter, January 2007, number 3

## Second Workshop *Biorefinery.nl*: Towards a Technology Roadmap Biorefinery

The main goal of this second workshop was to bring together relevant stakeholders to initiate the establishment of a National Technology Roadmap Biorefinery, including a Strategic Research Agenda and a Technology Deployment Plan. Relevant stakeholders from industry, government, NGOs, universities and research institutes were invited to participate.

A Technology Roadmap Biorefinery should address a.o. the following aspects: definition biorefinery, framework, methodology, market analyses, full socio-economic and ecological chain assessments, agricultural aspects, definition key technologies, SWOT-analyses, primary biorefinery technologies, secondary biorefinery technologies (both biochemical and thermochemical), separation technologies, catalytic synthesis and upgrading processes, integration options in existing (industrial) infrastructures, scale-aspects, chain integration and optimisation, joint pilot/demo facilities (PDUs), critical success factors, policy instruments, networking and consortia forming, knowledge import and dissemination.



Some criteria for the Technology Roadmap Biorefinery mentioned during the workshop are:

- Providing a technology development and deployment structure.
- Identification of the most important biomass-based key technologies to be developed to meet both short-term and longer-term biorefinery ambitions.
- Developing biorefinery based business and infrastructures.
- Developing processes for maximising the financial added-value of available biomass sources.
- Establishing co-operation over the whole biomass – conversion – product application chains, and between stakeholders normally operating in separate market columns.
- Co-operation with running national and international initiatives.
- Strong commitment of participating stakeholders concerning both resources and the use and application of the results.
- Timeframe for the realisation of the Technology Roadmap Biorefinery: 9 – 12 months.
- Realistic level of ambition.
- Closely co-operate with already running activities, a.o. the Dutch Network on Biorefinery (*Biorefinery.nl*), co-ordinated by WUR and ECN.

Furthermore an inventory was made of important biorefinery-related key technologies, of the critical success factors and finally of potential applicable (policy) measures.

More info: [www.biorefinery.nl/agenda/workshop-ii/](http://www.biorefinery.nl/agenda/workshop-ii/)

## Events

### The First Pulpmill Bio-Refinery Symposium

28 – 29 March 2007  
Piteå, Sweden

The conference will discuss all aspects of the forest based bio-refinery concept.

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### BioRefintec 2007

24 – 25 April 2007  
Amsterdam, The Netherlands

More info: [vynn@cmtsp.com.sg](mailto:vynn@cmtsp.com.sg)

### 15<sup>th</sup> European Biomass Conference & Exhibition

7 – 11 May 2007

Berlin, Germany  
The topics are biomass resources, biomass conversion, market and policies.

More info: [www.conference-biomass.com/Biomass\\_2007/welcome.asp](http://www.conference-biomass.com/Biomass_2007/welcome.asp)

### Biorefinery Technology conference

29 – 30 May 2007

Munich, Germany  
More info: [liming@cmtsp.com.sg](mailto:liming@cmtsp.com.sg)

### Conference on Renewable Resources and Biorefineries

4 – 6 June 2007

Ghent, Belgium  
The conference will discuss the challenges emerging from the transition towards a biobased economy.

More info: [www.rrbconference.com](http://www.rrbconference.com)

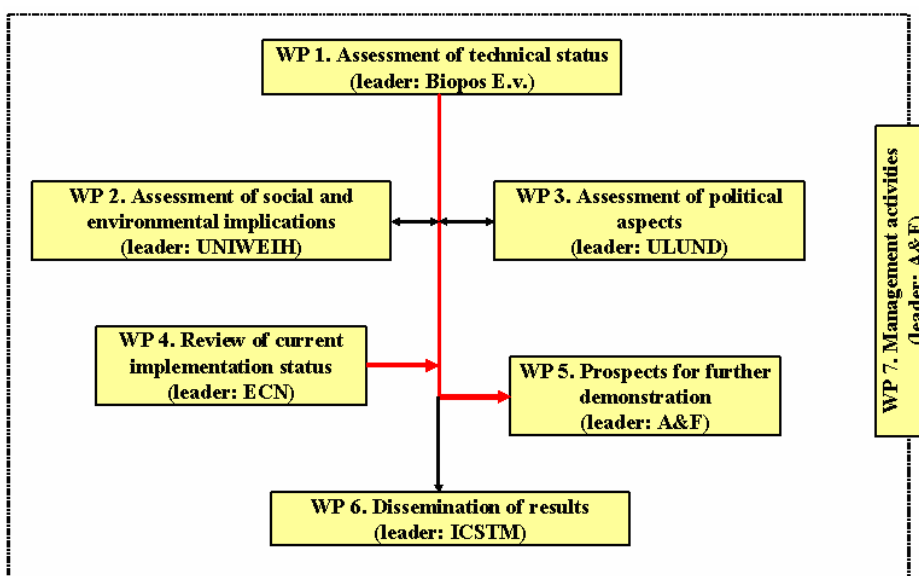
### Bioenergy 2007

3 – 6 September 2007

Jyväskylä, Finland  
More info: <http://www.finbioenergy.fi/bioenergy2007>

## EU-Specific Support Action BIOPOL approved

Recently a Specific Support Action called BIOPOL has been approved by the European Commission. The overall goal of BIOPOL is to assess the status (technical, social, environmental, political, and implementation) of innovative BIOrefinery concepts and the implications for agricultural and forestry POLicy. Biorefinery concepts are aimed at relevant market-competitive and environmental-friendly synthesis of bio-products – chemicals and/or materials – together with the production of secondary energy carriers – transportation fuels, power and/or CHP. BIOPOL will result in a scenario grounded assessment of sustainable solutions that impact several European key industries, and will generate valuable knowledge to fill in part of the research agenda of the recent Biomass Action Plan of the European Commission.



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## Continuation *Biorefinery.nl* in 2007

To increase the national co-operation within the field of biorefinery, continuation of the Dutch Network on Biorefinery ([www.Biorefinery.nl](http://www.Biorefinery.nl)) is considered very important by the stakeholders. For 2007, the main objectives of the Network should be:

- Setting-up a common National Biorefinery Vision within an international framework, in close co-operation with the industry and other relevant stakeholders.
- Establishing a Technology Roadmap Biorefinery – including a Strategic Research Agenda and a Technology Deployment Plan – to meet the National Biorefinery Vision. This objective should be met by a close co-operation of the different stakeholders involved in Biorefinery.nl under the direction of an experienced independent process manager.
- Knowledge dissemination: website, newsletters, attending/organising workshops and conferences.

Wageningen UR and ECN as co-ordinators of the Dutch Network of Biorefineries ([biorefinery.nl](http://biorefinery.nl)) will get in contact with (industrial) stakeholders and governmental representatives (ministries, SenterNovem, PGG) to discuss further details concerning the potential 2007 activities.

More information: [www.biorefinery.nl](http://www.biorefinery.nl)

## Recent publications

- Zwart, R.W.R., 2006. Thermochemical biomass based refinery processes, presented at Biorefinica 2006
- Van Ree, R., 2006. Dutch knowledge network on biorefineries "Biorefinery.nl", presented at Biorefinica 2006
- Zwart, R.W.R., 2006. Biorefinery - The worldwide status at the beginning of 2006, BioRef 0603

More info: [www.biorefinery.nl/publications](http://www.biorefinery.nl/publications)

## Conference reports

On the [biorefinery.nl](http://biorefinery.nl) website links can be found to several conference reports such as:

- European Conference on Biorefinery Research, Helsinki, October 2006
- Biorefinica 2006, Osnabrück, October 2006

More info: [www.biorefinery.nl/agenda](http://www.biorefinery.nl/agenda)

## More Information

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