

Agenda

Thursday 15 March 2007

12.00 – 13.30	Lunch at ECN
13.30 – 13.45	Round Table and Agenda
13.45 – 14.00	Short Task 42 Introduction
14.00 – 14.30	Current Status on Biorefineries
14.30 – 15.00	German Status on Biorefineries
15.00 – 15.30	Danish Status on Biorefineries
15.30 – 16.00	Tea break
16.00 – 16.30	French Status on Biorefineries
16.30 – 17.00	Austrian Status on Biorefineries
17.00 – 17.30	Dutch Status on Biorefineries
	End of Day 1.

19.30 Dinner at:

“In de Waag”

Nieuwmarkt 4

1012 CR Amsterdam

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Friday 15 March 2007

9.00 – 9.15	View EC on Biorefineries and RTD opportunities
9.15 – 9.30	Canadian Status on Biorefineries ?
9.30 – 9.50	Irish Status on Biorefineries
9.50 – 10.10	Finish Status on Biorefineries ?
10.10 – 10.30	Swedish Status on Biorefineries ?
10.30 – 11.00	Coffee Break
11.00 – 12.30	Definition Work to be done in 2007
12.30 – 13.30	Lunch
13.30 – 15.30	Definition Work to be done in 2007 (continued)
15.30	End of meeting

Short Introduction IEA Bioenergy Task 42 on Biorefineries 2007 - 2009

René van Ree
Assistant Task co-ordinator

1. Introduction
2. Objectives
3. Work scope
4. Activities
5. Deliverables
6. Schedule and milestones

Partners:
Austria, Canada, Denmark, France,
Germany, the Netherlands, EU

Observers:
Finland, Sweden, Ireland

1. Introduction - background

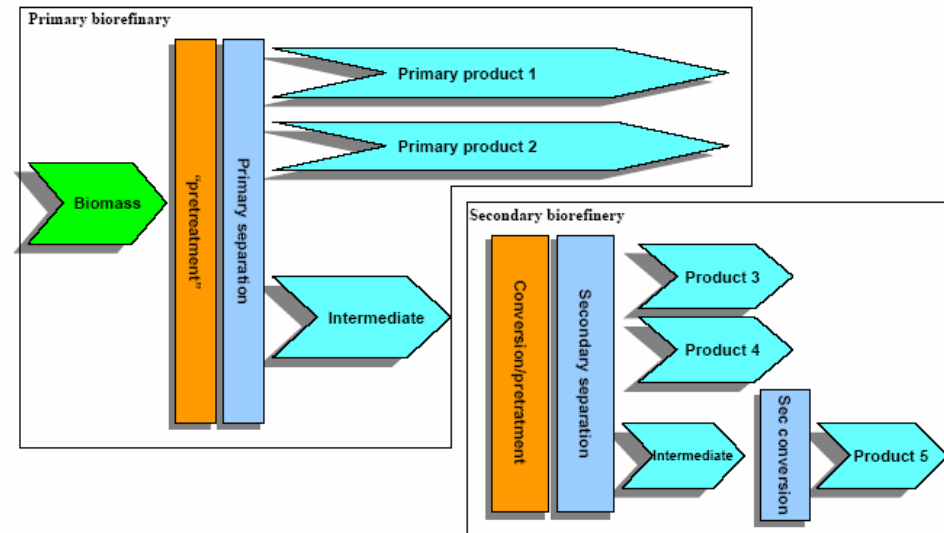
- Future increased demand for both energy, fuels and chemicals
- Pressure on environment and resources
- Trying to bring growth in line with social demand for sustainability
(shared interest in shifting from fossil to renewable resources)
- Specifically in the transportation fuel, chemical and material sectors biomass is expected to play a dominant role in the future
- Biomass availability is limited → conversion in high-efficient processes with minimal environmental impact co-producing both chemicals, materials, fuels, power and heat, preferably from non-food crops

-> Biorefinery Processes

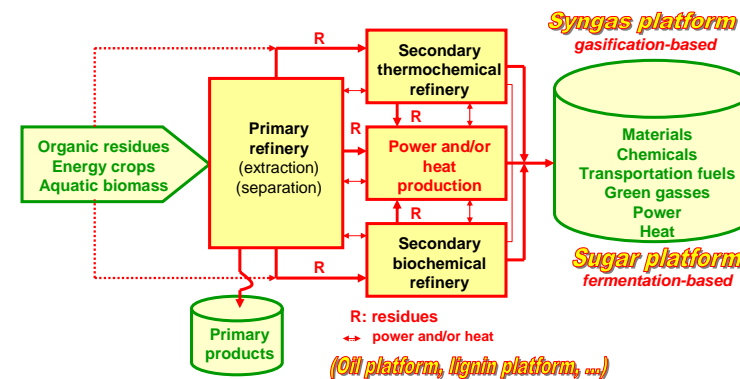
1. Introduction

– Biorefinery Processes

Integrated biorefinery concepts convert a variety of feedstocks, including residues, into a portfolio of products with improved energetic chain efficiency, economy and environmental effects, compared to stand-alone processes often producing only one or two products.

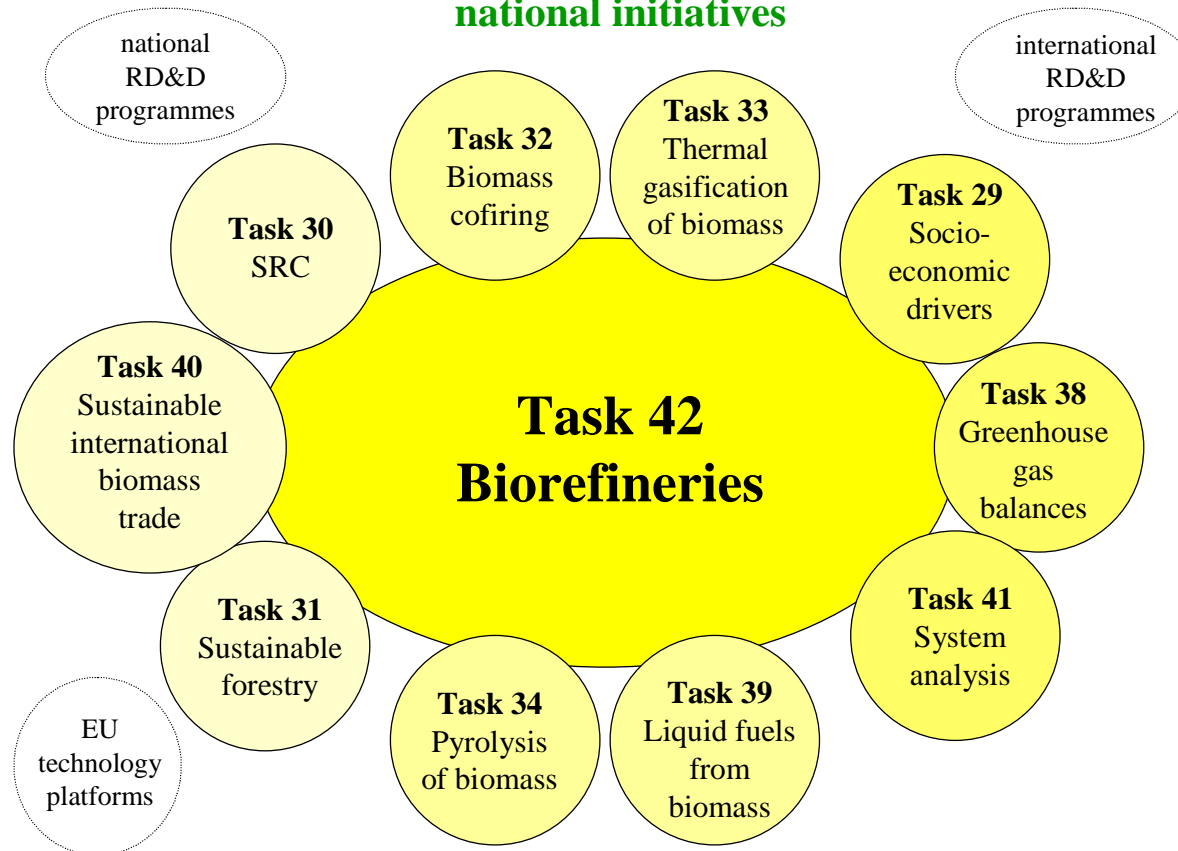


A Biorefinery is an integrated facility for efficient co-production of materials, chemicals, transportation fuels, gaseous energy carriers, power and/or heat from biomass (analogous to today's petroleum refineries)



1. Introduction – Why a (separate) IEA Task

Interlinkages with other IEA Tasks, international and national initiatives



- New integrated technologies
- Complicated organisation
- Co-operation between stakeholders different sectors

2. Objectives IEA Task 42 (1 – 3 year)

1. Preparation of a common definition on Biorefineries, incl. a clear and widely accepted classification system
2. Get a better insight in the current processing potential of existing biorefineries in participating countries
3. Assessment of biorefinery (related) RD&D-programmes in participating countries to help national governments to define their own biorefinery policy goals and related RD&D-programmes
4. Prove the advantages of biorefinery concepts over more conventional single product processes by assessment and comparison of their financial-economic and ecological chain aspects
5. Provide a stakeholder platform to discuss biorefinery topics, to foster necessary RD&D-trajectories, and to accelerate the deployment of technologies developed

2. Objectives IEA Task 42 – short term (1 – 3 year)

6. Identification of the most promising added-value chemicals to be co-produced with secondary energy carriers to optimise overall process economics and minimise overall environmental impact
7. Co-operation with ongoing national and international activities and programmes, i.e. other IEA Tasks and EUTPs
8. Dissemination of knowledge, including teaching aspects, to make students familiar with the integral concept thinking of biorefineries

Depending on the number of participants (available budget) in this Task, and the expertise and interests of the participants and participating countries, some of these objectives will be emphasized

Decision tomorrow in discussion

3. Work Scope

- Gathering and combining information in participating countries
- Building a worldwide network of all stakeholders from participating countries

4. Activities

1. Building and operationalising a task web-site
2. Development of a common definition and classification system on Biorefineries
3. Identification current processing potential, and mapping of existing biorefineries in participating countries. Both small, medium and large-scale initiatives will be assessed
4. Identification of biorefinery (related) RD&D-programmes in participating countries
5. Assessment of financial-economic and ecological advantages and disadvantages of biorefinery-based co-production over single product processes

4. Activities

6. Fostering multi-disciplinary partnerships of key stakeholders normally operating in different market sectors
7. Assessment of biorefinery-based co-production of chemicals and secondary energy carriers
8. Co-operation with ongoing international activities, a.o. other IEA Tasks and EU Technology Platforms
9. Dissemination of knowledge, incl. teaching

5. Deliverables

- D1. Web-site IEA Task 42 on Biorefineries [010407]
- D2. Brochure with common definition and classification system on Biorefineries [311207]
- D3. Country reports with results identification current processing potential and mapping of existing Biorefineries [311207]
- D4. Country reports with results identification biorefinery (related) RD&D programmes [312107]
- D5. Report with financial-economic and ecological advantages and disadvantages biorefinery-based co-production over single product processes [010708]
- D6. Platform with stakeholders from different (industrial) market sectors discussing biorefinery-related aspects [010707 – 311209]

5. Deliverables

- D7. Report with biorefinery-based co-production of chemicals and secondary energy carriers [311208]
- D8. Co-operation with ongoing international activities [010107 – 311209]
 - other IEA Tasks
 - EU Technology Platforms
 - EU SSAs/SSPs, Ips, NoEs
- D9. Dissemination of knowledge, incl. teaching [010107 – 311209]
- D10. Final report [311209]

6. Schedule and Milestones

Activity	2007				2008				2009			
1	wbs											
2				B								
3				CR								
4				CR								
5						R						
6			sem1				sem2					sem3
7							R					
8												
9												
meetings	ws1		sem1		ws2		sem2			ws3		sem3
task progress reports				X			X					X

wbs: web-site, B: brochure, CR: country report, R: report, ws: workshop,
sem: (industrial) seminar