

EBB

European Biodiesel Board

Prospects of Animal Fats for Biodiesel Production

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EFRA Congress 2006

May 12th, 2006

EBB – European Biodiesel Board



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What is EBB

- **The European Federation of biodiesel producers**
 - *Co-ordinates and represents the industry at EU and national level*
 - *Permanent office in Brussels*
- **Representing 80% of the EU biodiesel producers**
- **36 members (26 full members and 10 associates)**
- **Private companies are directly members of the EBB**
 - *Medium size industries active in rural areas (job creation)*
 - *Multinational companies of the Agricultural processing and vegetable oils sectors (ADM, Bunge, Cargill, Diester Industrie International)*
 - *Industry from the fuel and renewable energy sectors (Neste, Sauter)*



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EBB membership



Campa Biodiesel



Living.
Improved daily.



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The EU and biodiesel: a short introduction

- **EU conventional fuel market: increasing diesel shortage**
- **The EU is the world leader in biodiesel production**
- **Around 75 operational production sites across Europe (85-100 at the end of 2006 ??) – plus many new projects and investments**
- **A reliable industry and a well-proven reliable partner for the EU mineral oil industry**
- **Biodiesel is the first biofuel produced in Europe**



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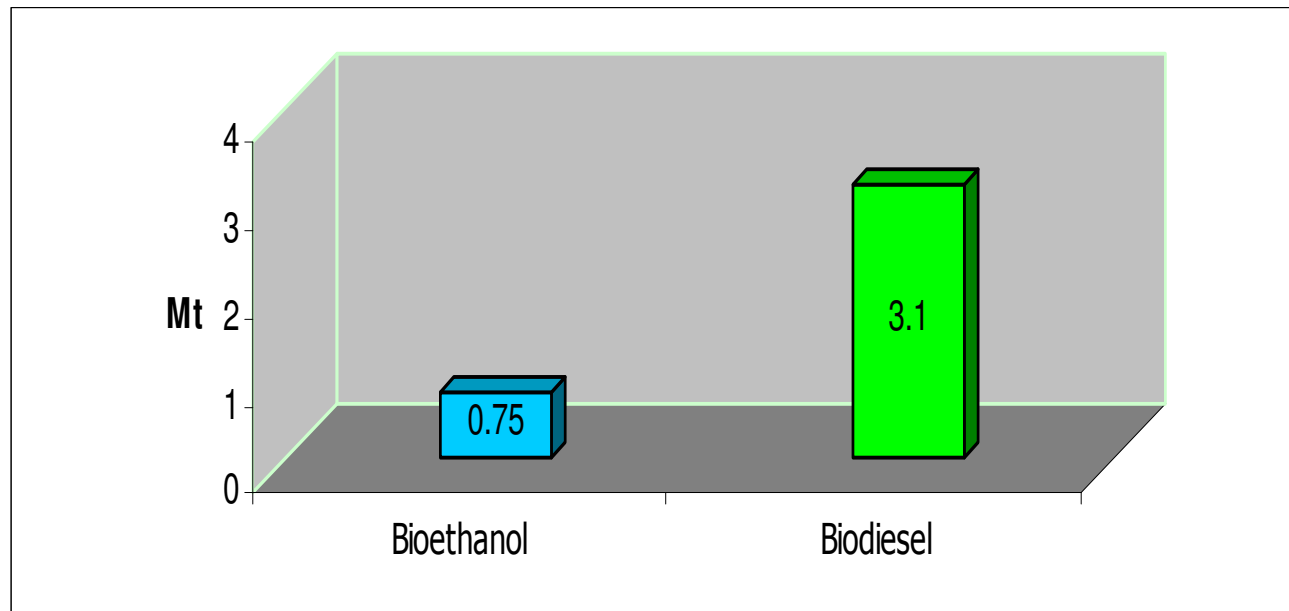


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2005 production of biofuels in the EU-25

Sources: EBB, EBIO



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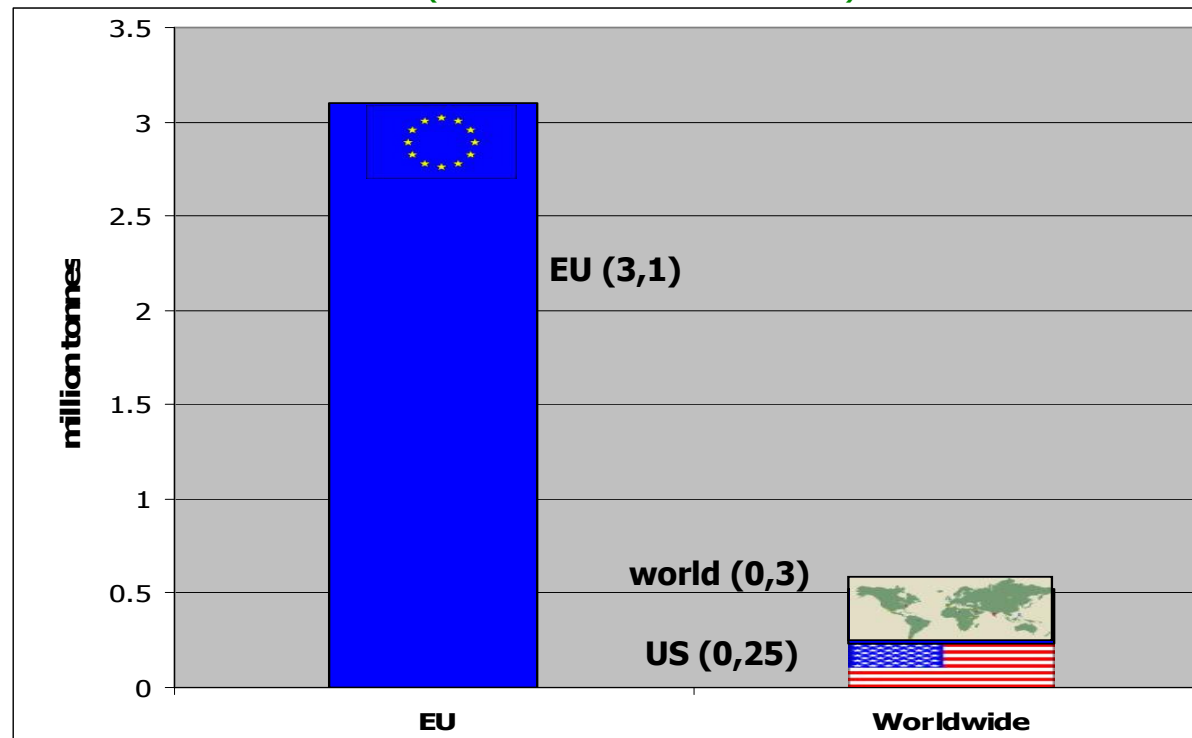


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EU and Worldwide biodiesel production in 2005

(estimate - million tonnes)



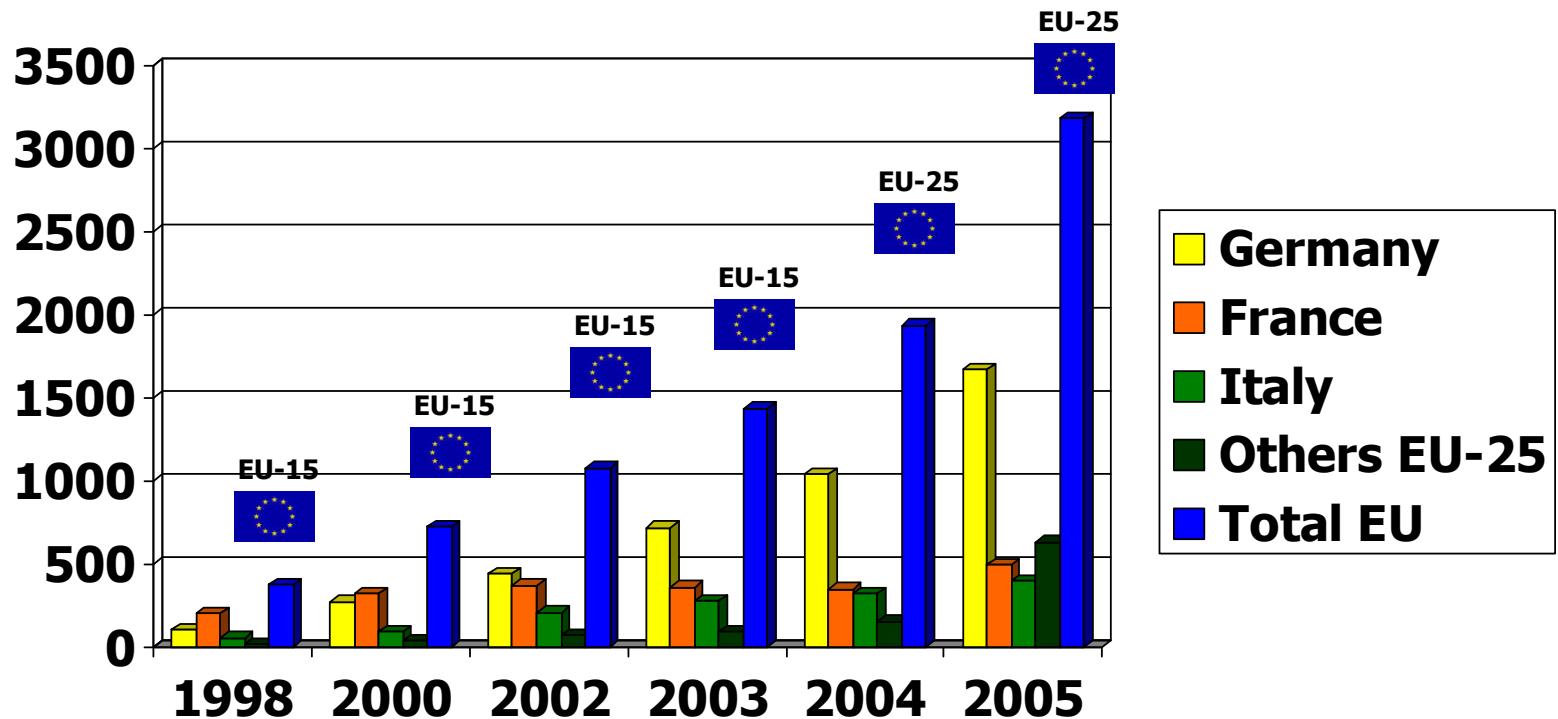
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EU Biodiesel production in Member States and in the EU ('000 t)



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Impact of EU biofuels legislation: a visionary policy with positive impact on biodiesel

- **EU targets: good results (beyond arithmetics and mainly for biodiesel) but a lot still needs to be done**
- **1st challenge: Revision of EC Biofuels Directive 2003/30**
- **2nd challenge: Revision of CEN standard**
- **The biodiesel industry is ready for the 2010 challenge**
 - **2006 capacities exceed 6 Mts, further increase in 2007 and 2008**
 - **need for raw materials to follow**



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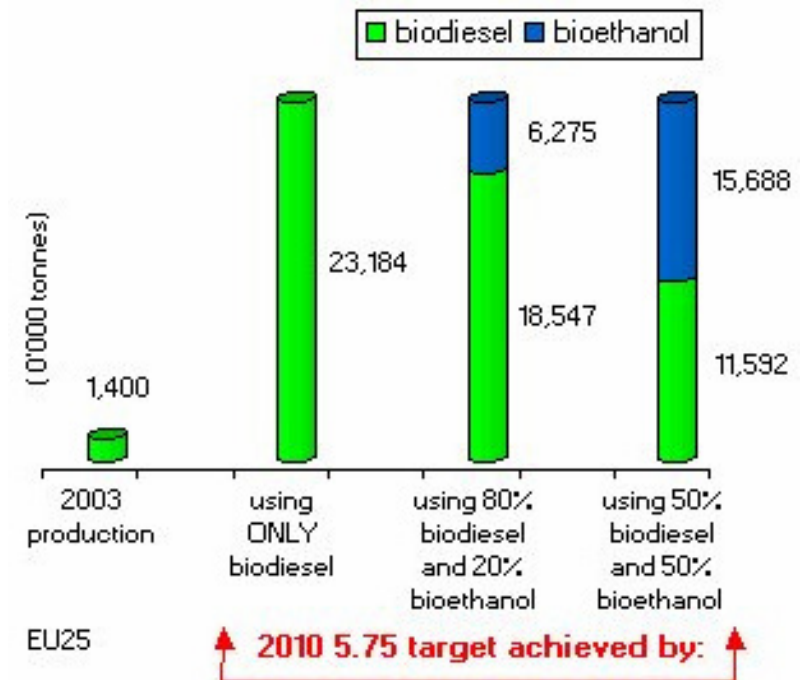


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What would the Directive's targets represent in practice?

5,75% Scenario for the EU-25



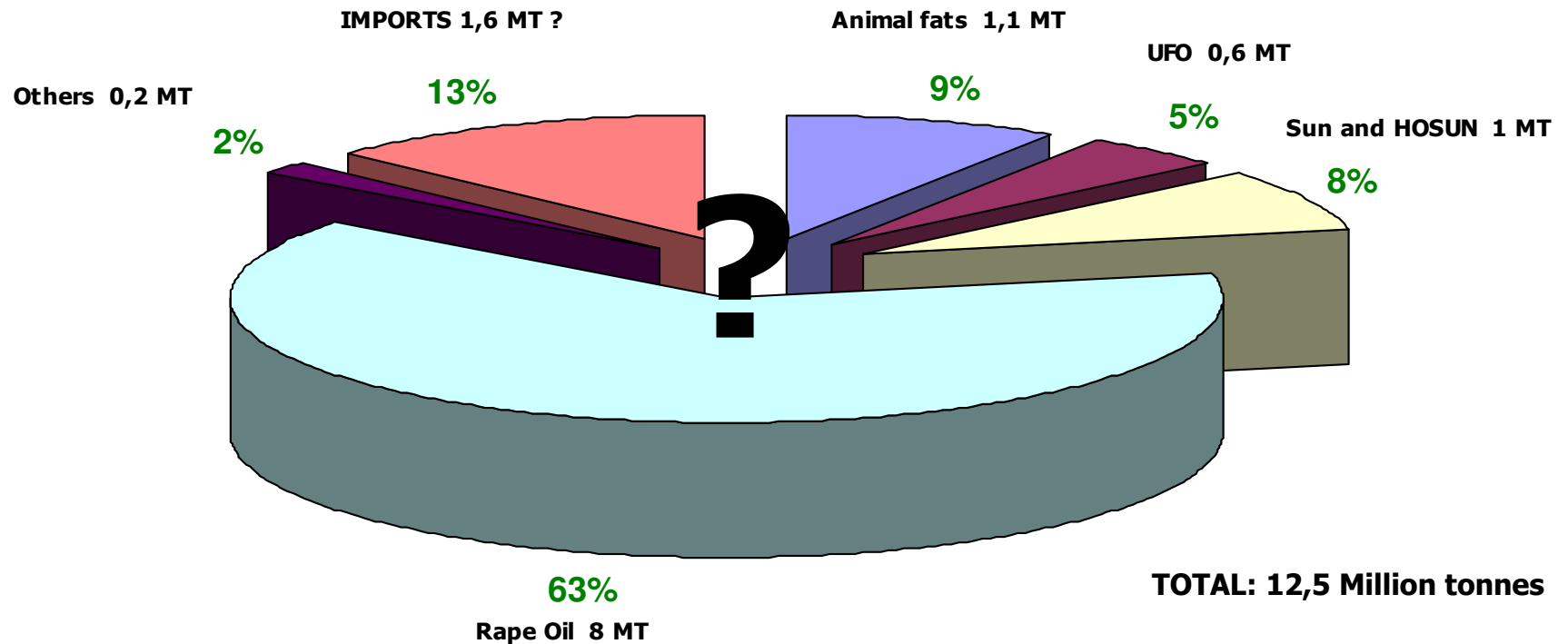
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5,75% biodiesel target a possible raw materials scenario



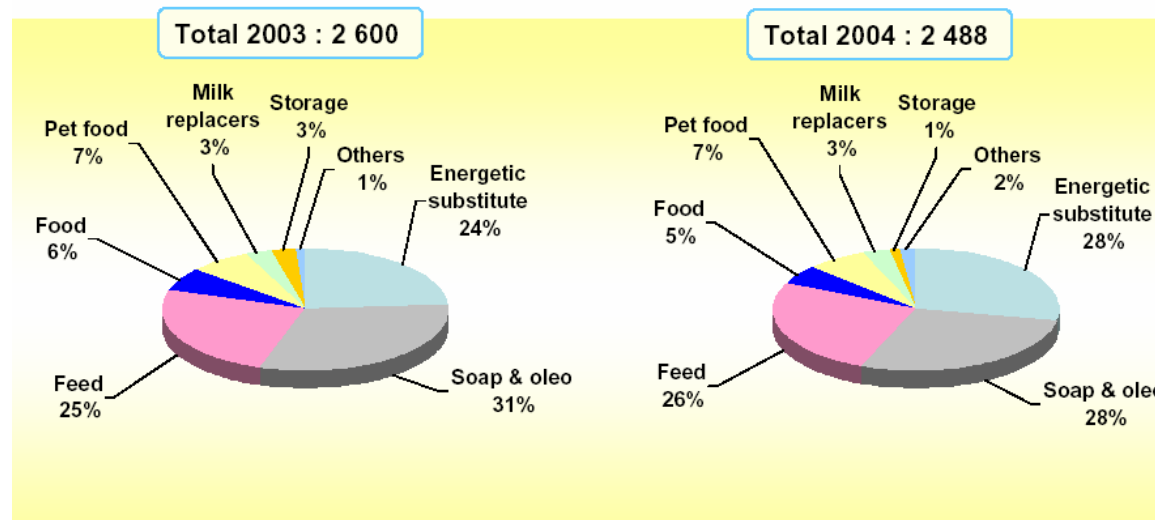
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EU 16 Outlets for animal fats Evolution between 2003 and 2004 (x 1000 Tons)



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Animal fats as biodiesel raw material – An evaluation

Pro:

- Excellent CO² profile – innovative recycling of waste materials
- Reduced raw materials prices (especially cat. 1 and 2 materials)
- Technical advantages (cetane number etc.)

Contra:

- Poor cold weather performance, but CFPP requirement now simplified: note to EN 590 and EN 14214 “when used in blends up to 5%, the cold flow requirements of EN 14214 do not apply”
→ clarification letter to be sent to national standardisation institutes (EBB request)
- Oleochemical industry concerned about tallow availability
- Reduced number of plants able to process animal fats so far



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EU legislation for animal fats biodiesel and EBB lobbying

- **Specific safety requirements apply for animal fats biodiesel production**
- **New Regulation 2067/2005 revising Regulation 92/2005 reduces restrictions on biodiesel production from animal fats:**
 - *All category 1 and 2 materials authorised as safe raw materials*
 - *No more gas-clean up systems need to be used*
 - *No more biodiesel marking required*
 - *More flexibility for biodiesel production process*
- **Use of biodiesel by-products of cat. 1 and 2 materials (potassium salts and glycerine) remains restricted even for technical purposes**
 - *EFSA already gave positive opinion, but Member States still divided*
- **Next action: demonstrate safety of well-defined by-products outlets**



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CONCLUSION

- Recent political and legislative developments (standard requirements, revision of Biofuels Directive) provide a good starting point to move on

NEXT STEPS AND CHALLENGES:

- Legislative basis needs to be ameliorated (biodiesel by-products)
- Technical challenges need to be tackled
- Need for more plants that can process biodiesel from animal fats

→EBB considers development of animal fats biodiesel as positive, but more work still needs to be done to further enhance potential of animal fats as biodiesel raw material



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