



Biomass Energy Europe

**Project presentation &  
results so far**


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VTT

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FP7 GRANT AGREEMENT N°: 213417*

 Biomass Energy Europe

# The BEE Project

<b>Title:</b>	<b>Biomass Energy Europe</b>
<b>Acronym:</b>	<b>BEE</b>
<b>Contract No.:</b>	<b>213417</b>
<b>Project Type:</b>	<b>Coordination &amp; support action</b>
<b>Project Start:</b>	<b>March 1, 2008</b>
<b>Project duration:</b>	<b>33 months</b>
<b>Project Website:</b>	<b><u><a href="http://www.eu-bee.info">www.eu-bee.info</a></u></b>
<b>Coordination:</b>	<b>University of Freiburg, Department of Remote Sensing and Landscape Information Systems</b>
<b>Partners:</b>	<b>18 partners / 10 countries + 1 international organisation</b>



# The challenge

## Reliable knowledge of the biomass potentials for energy

- is essential **basic information needed for both policy and industry to achieve the challenging European policy targets in the renewable energy sector.**

## Biomass resource potential assessments for energy

- differ for the same geographic entity largely from each other

# BEE Objective

To contribute to an increase of the accuracy and reliability of biomass resource assessments

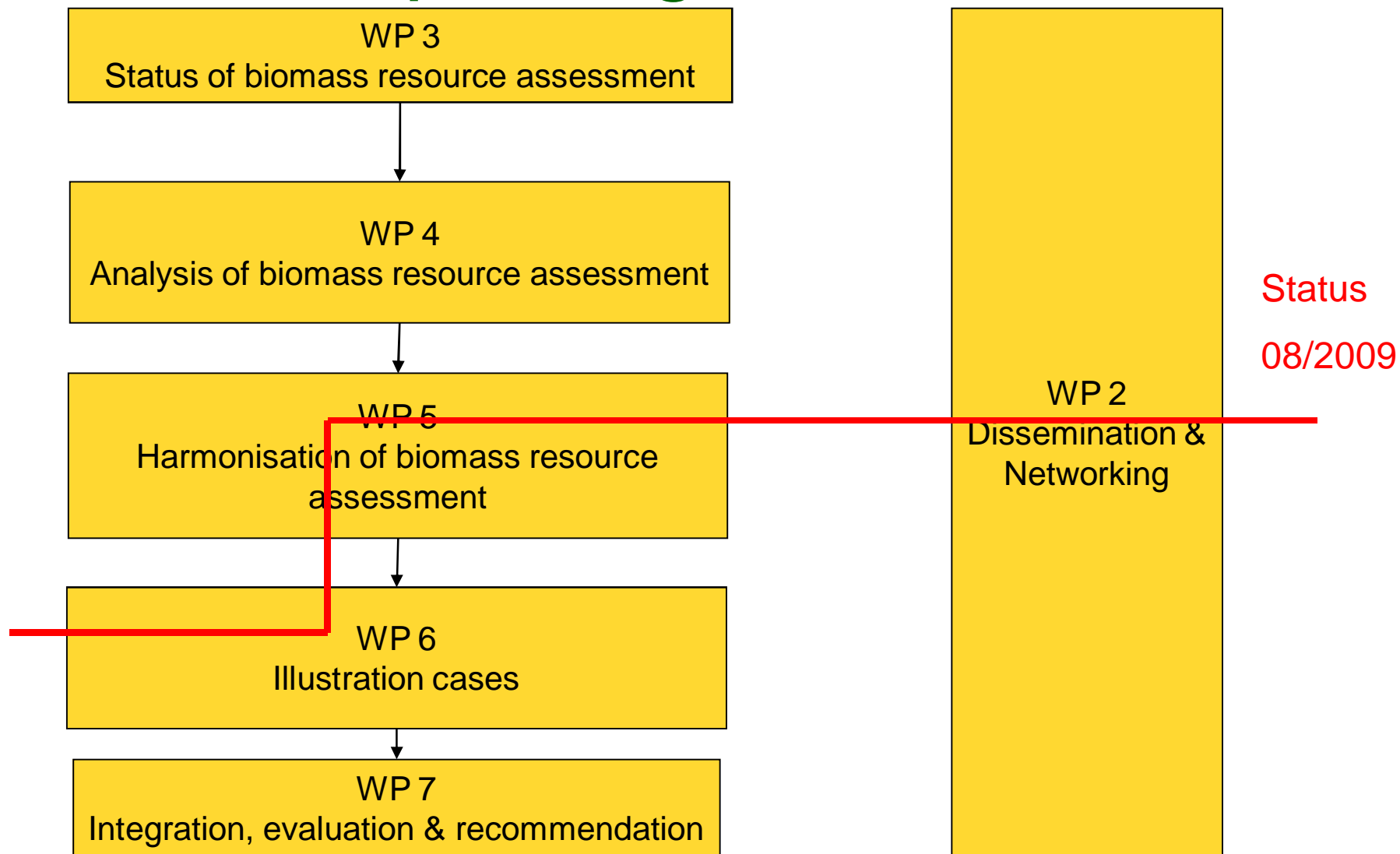
*With focus on:*

- Both national & European scope
- All methodological approaches
- All types of potentials
- All biomass categories (except for aquatic)

# Target groups

- Policy makers – how to reach targets?
- Companies – how to reach markets?
- Specialists – how to determine biomass potential?

# Work packages & status



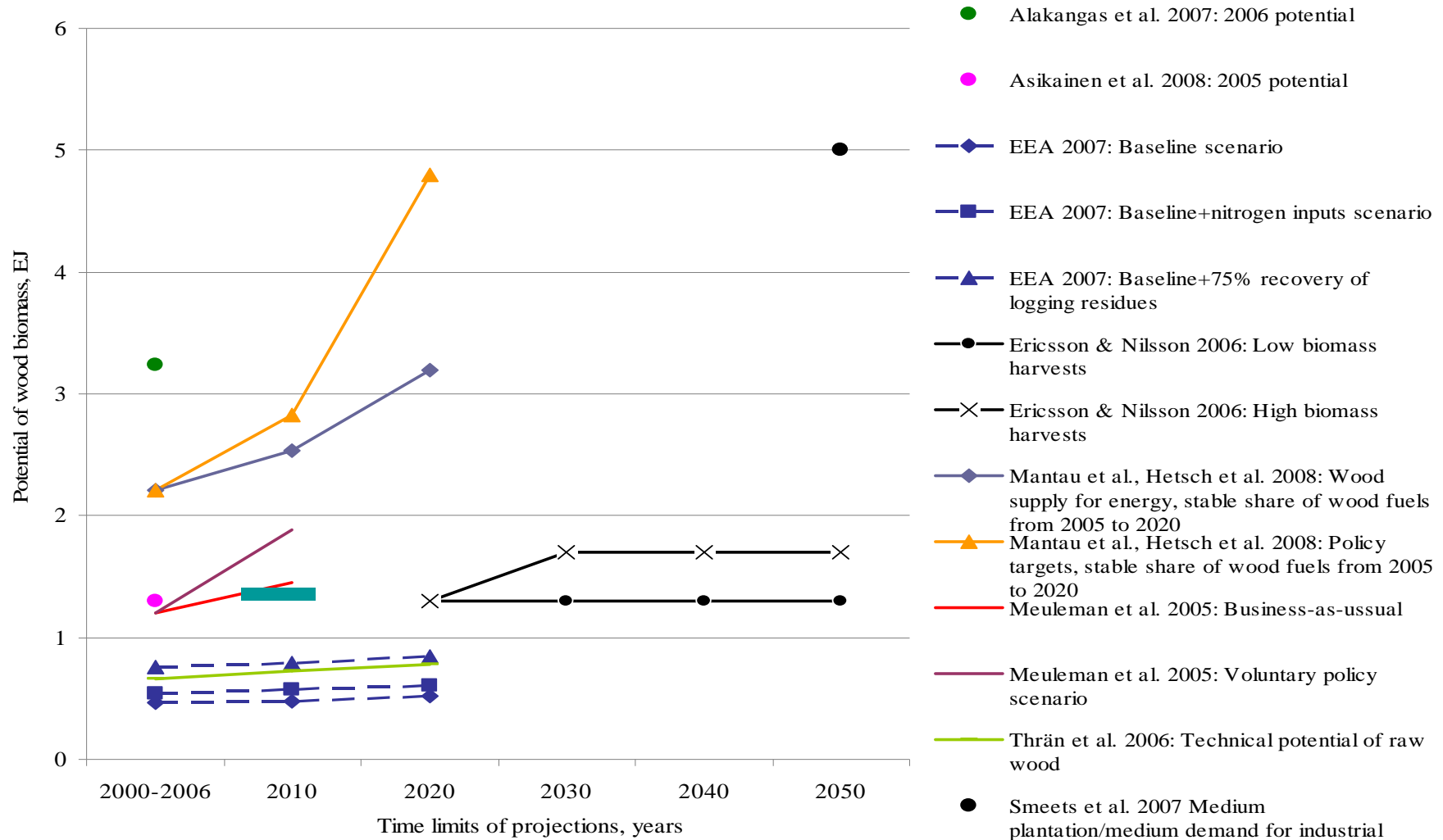
# *WP 3 Results*

Analysis of the scope and results of existing studies on the biomass potential for energy

136 studies have been analysed in total

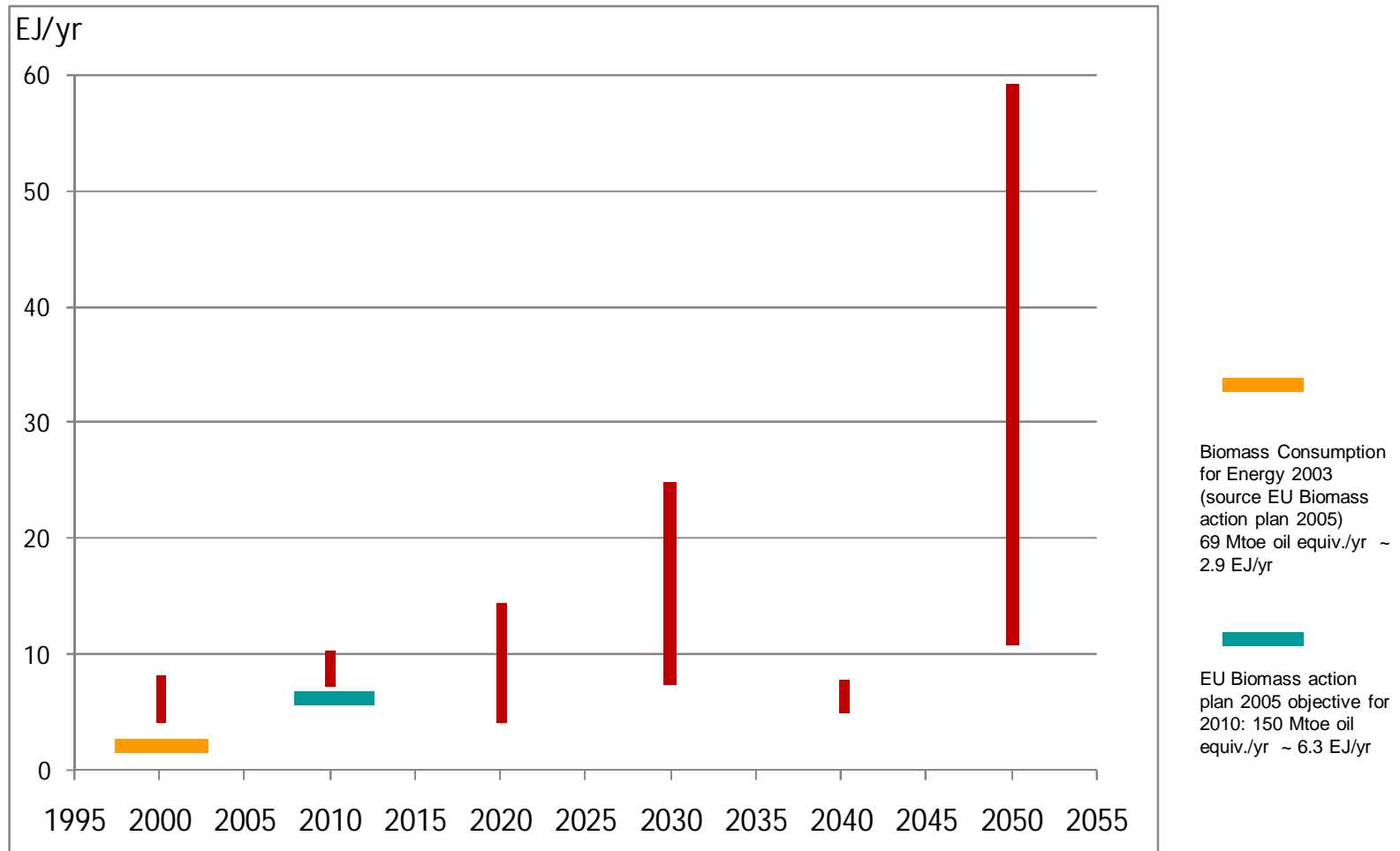
- » Forest residues
- » Energy crops
- » Agricultural residues & organic waste
- » Total potentials

# Forestry & Forestry Residues, European Level Studies



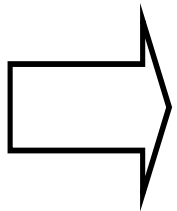


# Estimated total biomass energy potentials for EU27: Studies covering all biomass categories



# Conclusions

- The difference between the reported wood biomass potentials in some cases is multiple for the same geographic area and time
  - The reviewed assessments are very diverse in terms of approaches, methodology and assumptions
  - Many authors highlighted insufficient quality of available input data
- Creation of a **multi-source snapshot of biomass for energy potential** in Europe is complicated



**Need for harmonisation**

# Major challenges

- Harmonisation of methods
- Improvements with respect to data sources for the studies
- Development of documentation standards
- Integration of sustainability

# *WP 4 Result*

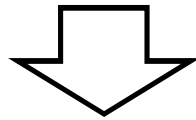
## Detailed analysis of methods and data sets

136 studies have been analysed in total

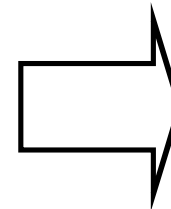


# Methods and data sets analysed

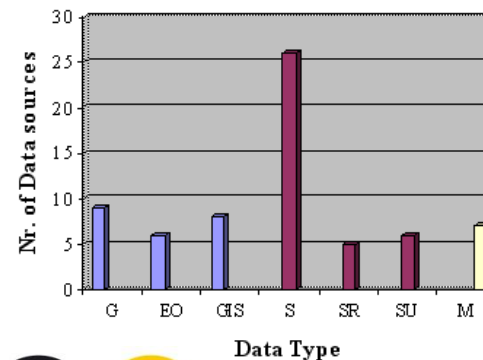
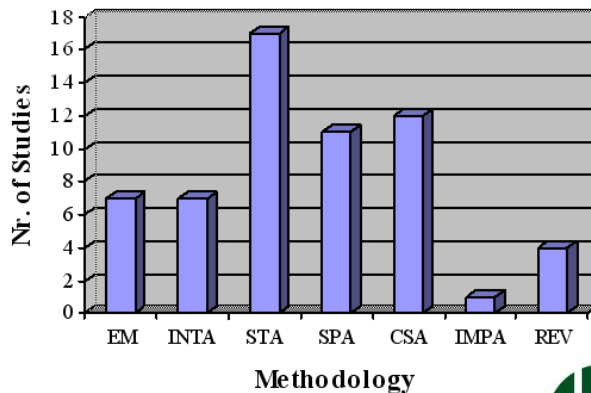
- 30 key studies + 9 further studies
- 57 different data sources



- Detailed descriptions
- Comparative analysis



Good foundation for the development of the hand books in WP5



# BEE major deliverables

- Political Framework and User Requirements of Biomass Resource Assessments for Energy
- Status of Biomass Resource Assessments
- Methods & Data for Biomass Resource Assessments for Energy

Status

08/2009

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- Best Practises & Methods Handbook
- Data Sources Handbook
- Illustration Cases Biomass Assessment Reports & Data
  - EU 27 / Pan European
  - On national level in Ukraine, Finland, Macedonia (FYROM), Croatia



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# Thank you!

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