



# 2<sup>nd</sup> Generation Biofuels: Supported Projects in FP7

Directorate-General  
for Energy  
and Transport



EUROPEAN  
COMMISSION

*Jose Riesgo*  
*Biomass & Solar Thermal*

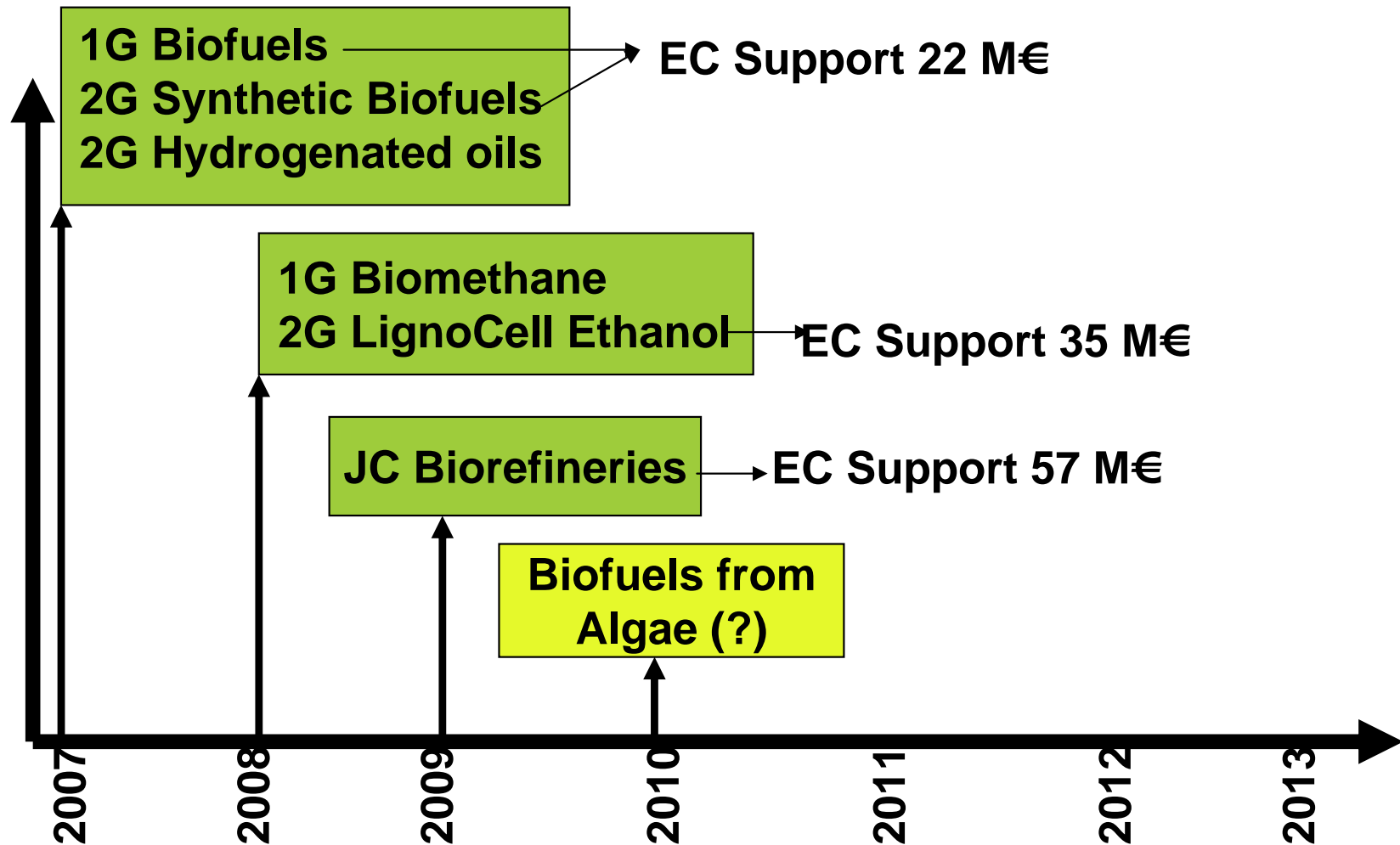
Energy Technologies & Research  
Coordination Unit  
DG TREN

2<sup>nd</sup> Stakeholders Plenary Meeting  
Biofuels Technology Platform

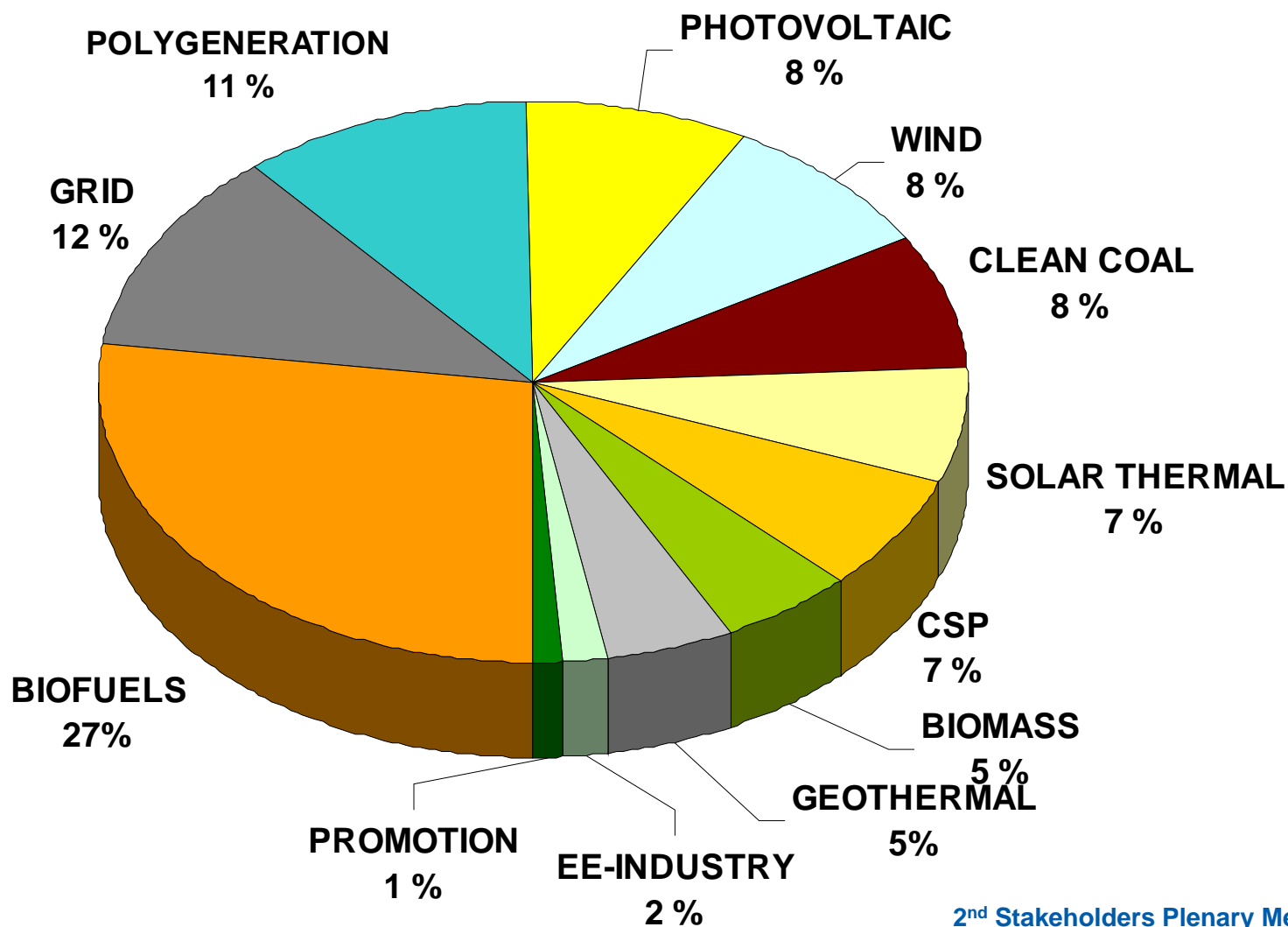
# What is demonstration?

- **Basic research and pilot phases are finished**
- **Industrial led projects with significant potential impact on new binding targets before 2020**
- **Research only if industrial partners determine the need for research during demonstration (typically less than 20%)**

# FP7 Calls: Strategy for the Biofuel Calls 2007-2010



# DG TREN Budget Distribution per Sector for the 2007 Call Total 89 M€



# Ongoing projects

## a) Ongoing contracts on Synthetic Biofuels FP7 Call 2007

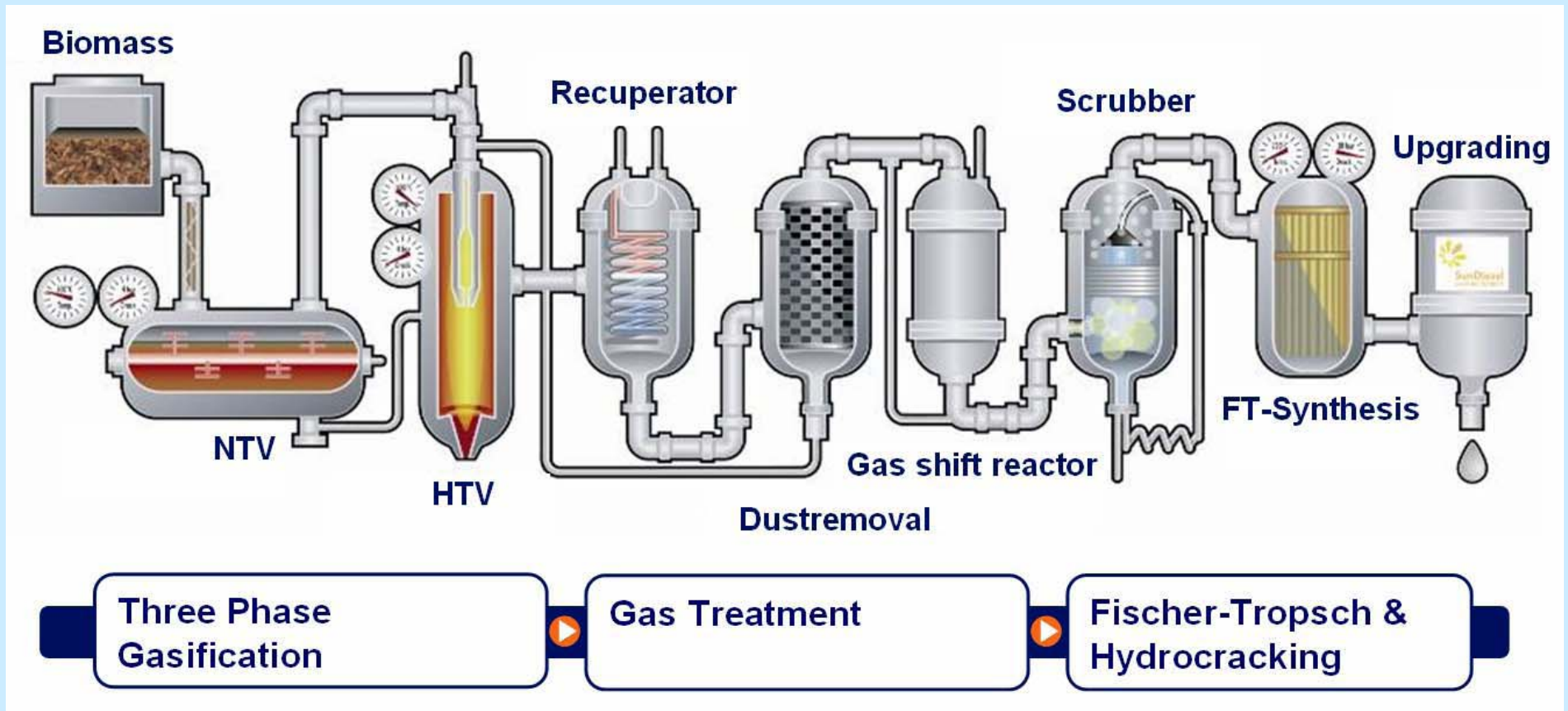


# FP7 Ongoing Contract - EC Support 7.8 M€

## OPTFUEL Contract Consortium led by VW



## The CHOREN simplified process flow sheet



**Ongoing work at ISO for FT quality standards**



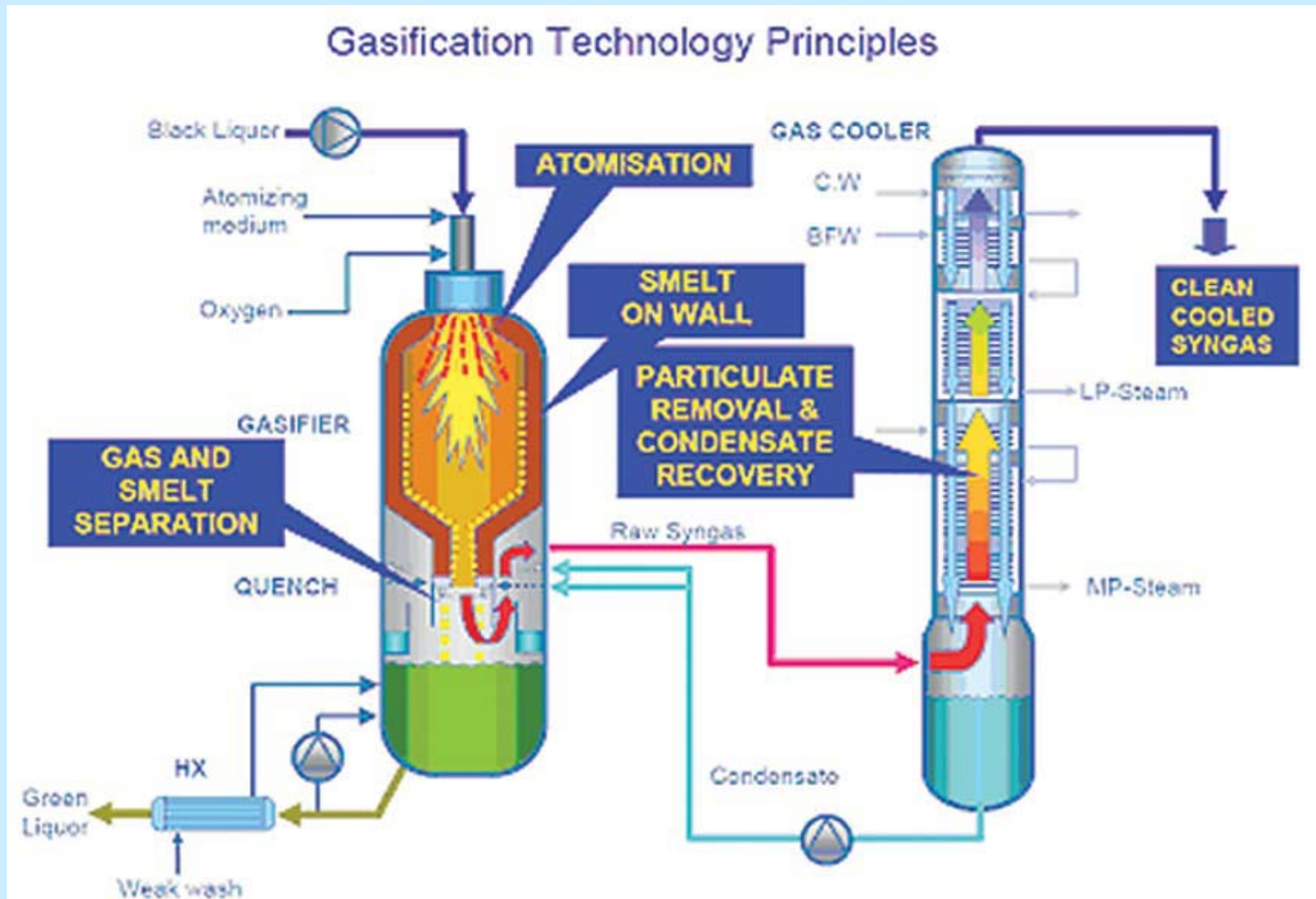
# FP7 Ongoing Contract - EC Support 8.2 M€

## BIO DME Contract Consortium led by VOLVO





# The Chemrec black liquor process



Ongoing work at ISO for DME quality standards



# FP6 Ongoing Contract – 3.2 M€ Synthetic Bio Methane



**Based on the Güssing ICFB  
technology**

**Biomethane will be used  
in transport (buses) and  
fed into a NG pipeline.**

**Co-processing biomethane  
with natural gas**



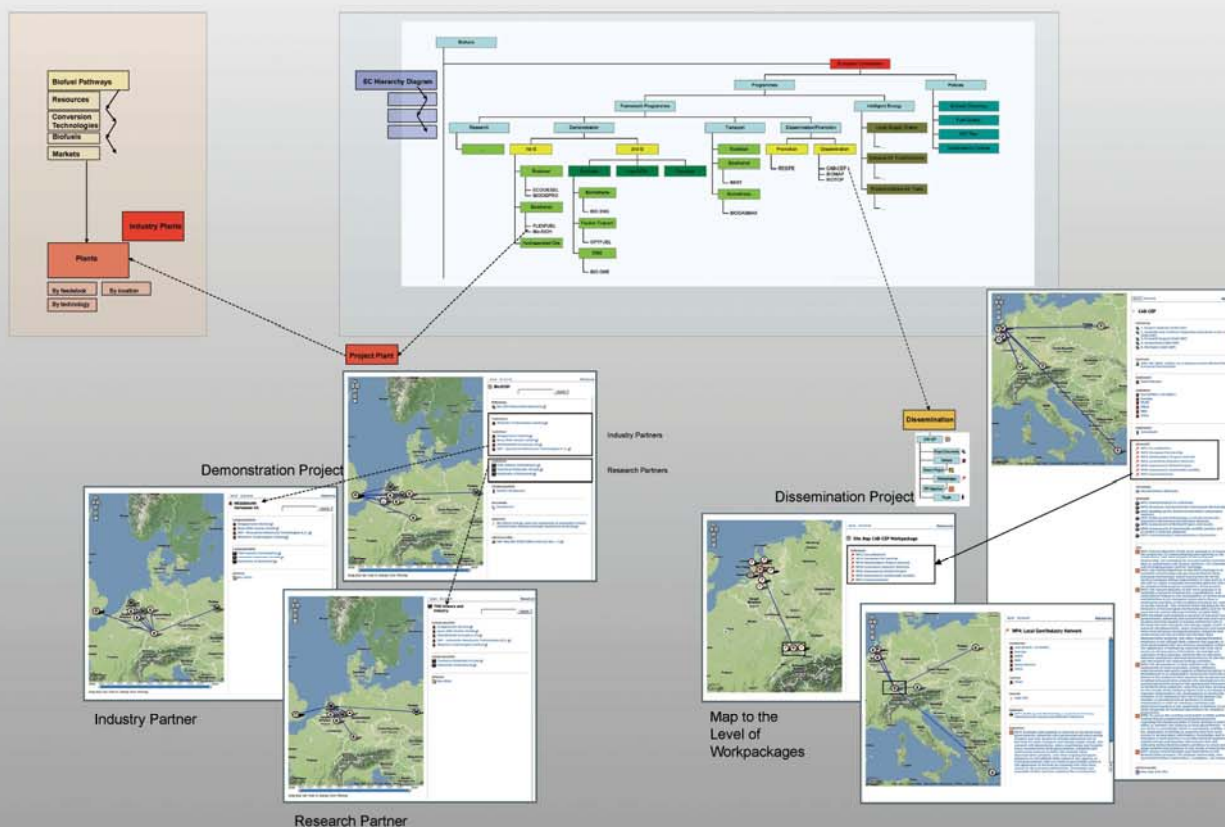
# BIOMAP



## BIOMAP mapping tool Time-enabled Mapping and Dissemination Tool for Biofuels Projects



The BIOMAP project, financed by the EC FP7, has been designed as a visual navigable dissemination and mapping tool for Biofuels production and use in Europe and beyond. BIOMAP tool is based on the use of electronic maps (such as Google Maps) and combined with a navigational structure linking interrelated entities. It maps activities on biofuels projects across different sectors and programmes, for example: Bioethanol, Biodiesel, European Commission Framework Programmes, National Programmes. It also incorporate mechanisms to enable a synthesis of information displayed on selected maps, for example a calculation of total funding across the projects located in a particular geographical region or a specified timeframe (e.g. period 2003-2005, or duration of FP6).



### BIOMAP partnership

Exergia S.A., GR  
KCL/King's College London, UK  
ACL/University of Sydney, AU  
SenterNovem, NL  
EBB, BE  
eBIO, BE

### EC Technical Officer

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[www.eu-biomap.net](http://www.eu-biomap.net)

# Demonstration projects

## b) Proposals recommended for support in the 2008 Call on ethanol from lignocellulosics

# Preliminary Results

**Four proposals (out of 10) have been recommended by the external evaluators for EC support.**

**The recommended EC support varies from 8.6 to 9.1 M€**

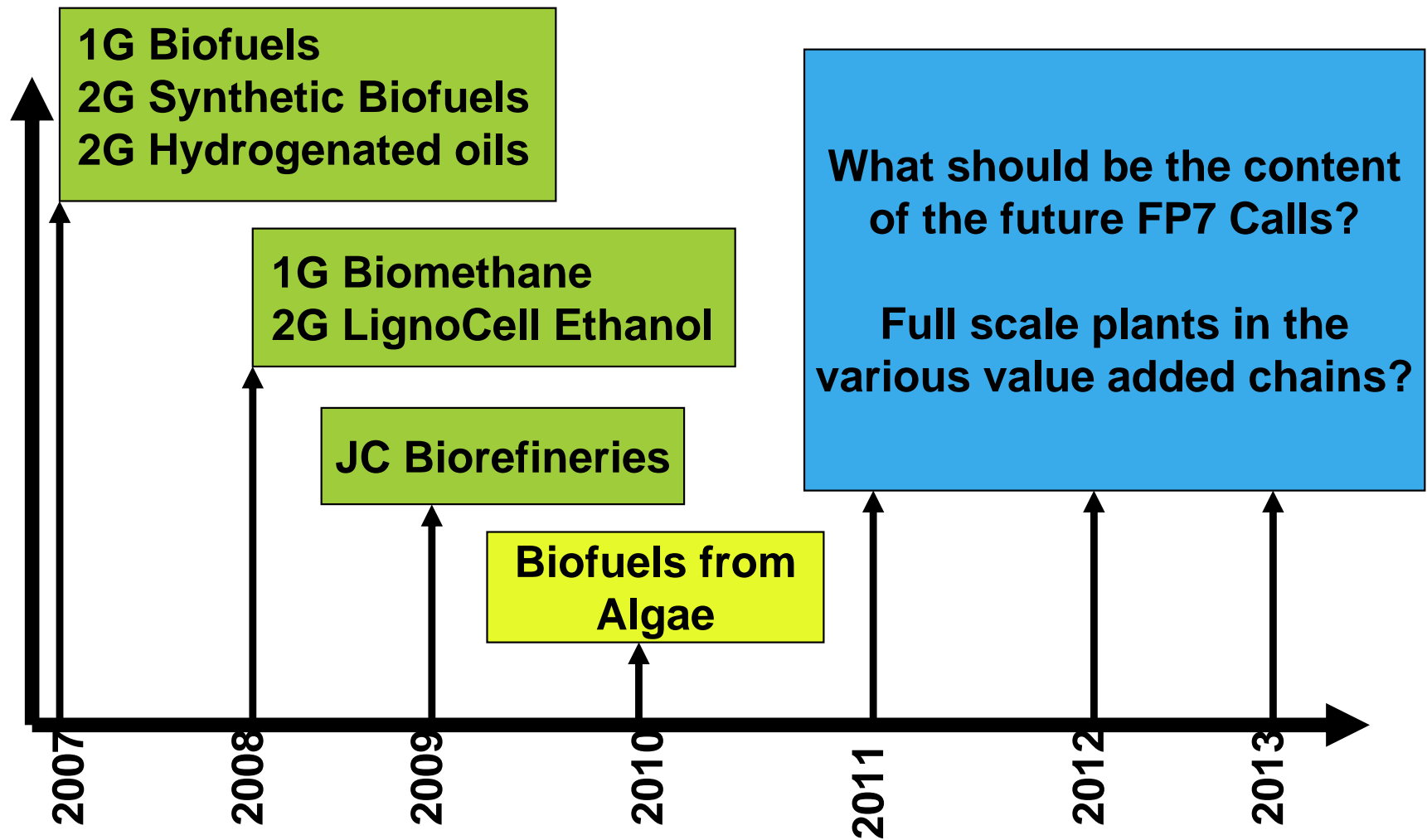
**The proposed technologies address industrial pilot scale plant capacities of 15,000 to 50,000 tonnes/year.**

**The technologies address resources from various biomass feedstocks as well as waste streams.**

**The plants are to be located in 4 different EU countries.**



# FP7 Calls: Strategy for the Demonstration Part



# The future of the sector

**The Commission is of the opinion that the portfolio of these 7 contracts, those being undertaken under the research part of FP7 and those to be approved in the 2009 and 2010 FP7 Calls may form the basis of the European Industrial Bioenergy Initiative.**



**For further information:**

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**Thank you for your attention**