

# EuroBioRef

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## SP10 – Exploitation, Dissemination, Communication, Standardisation and training activities WP10.2 – Dissemination and Communication

### Deliverable report

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*Deliverable Title:* 2. Dissemination activities report to scientific community (DTI)  
 3. Dissemination activities report to industrials (EUBIA)  
 4. Report concerning dissemination to the large public (EUBIA)  
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#### Approval

	Name	Organization	Date	Visa
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#### Dissemination level

PU	Public	X
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## Executive summary

### *Description of the deliverable objective and content*

This deliverable report D10.2.1 is the **dissemination activity report** of the EuroBioRef project's dissemination activities that have been done in the context of the project, according to the original plan for dissemination activities described in *Sub Project 10: Exploitation, Dissemination, Communication, Standardisation and Training activities*. This Deliverable report D10.2.1.3 is specifically on Work Package 10.2 on *Dissemination and Communication* during period three of the project only. This Deliverable D10.2.1.3 covers the timespan of the third period of the project from **March 1<sup>st</sup> 2012 until February 28<sup>th</sup> 2013**. A previous edition of Deliverable D10.2.1.2 detailing the dissemination activities of the period two of the project was submitted and approved by the European Commission.

Workpackage (WP) 10.2 on Dissemination and Communication should be the voice of the project throughout the project and establishing a dissemination tool for after the project's end. The focus is to disseminate project information internationally in order to attract interest and investors for the future development of biorefineries in Europe. The objective is to spread relevant information and outputs of the project to the maximum audience throughout the project's lifespan.

EuroBioRef has planned a wide and effective dissemination of results as one of the strong components of the project and as one of the overall goals to be achieved.

Work package 10.2 objectives are:

- To ensure that the project's ambitions, activities and outputs are visible to a wide range of stakeholders;
- To define a communication and dissemination strategy to ensure the visibility of the EuroBioRef project;
- To disseminate the generated knowledge to the scientific community;
- To create and maintain a public website containing a project and partner overview, a publication and presentation list, the public deliverables and audiovisual showcases as well as use it as a portal to current events of EuroBioRef.

The objective is to conduct the relevant information and outputs of the project to the maximum audience inside and outside the EuroBioRef consortium.

The tasks of WP10.2 directly inputting into this dissemination report are *Task 10.2.1 Networking and organization of EuroBioRef events, Task 10.2.3 Dissemination to scientific community, Task 10.2.4 Dissemination to industrial community and Task 10.2.5 Citizen Awareness*.

This report is to be updated on an annual basis. The purpose of the present document is to present the dissemination perspectives in detail, listing the activities carried out in year three of the project. The technical deliverable in Annex I compiles of:

1. Report on collaborations with European Networks and organizations of events (EUBIA);
2. Dissemination activities report the scientific community (DTI);
3. Dissemination Activities report to industrials (EUBIA).
4. Report concerning dissemination to the large public (EUBIA)

### *Brief description of the state of the art*

EuroBioRef continued the strategy to disseminate scientific results in Conferences and journals. EuroBioRef is targeting major events in the area of Biorefineries, not only in the research and development area, but also in the industrial area. EuroBioRef also continued to disseminate the general objectives and targets of the project through invited lectures at events magazine, articles and interviews. A press conference was organized to disseminate new information after one year of the project in March 2011, with a press release published and disseminated at that time similar to the project launch press release. Dissemination activities also included promoting continued networking among the four sister biorefinery projects, Star-Colibri, Biocore, Supra-bio & EuroBioRef.

The main highlights of the period 3 of the project in terms of dissemination were:

- The participation of UCCS-CNRS to the 15th International Congress on Catalysis 2012: Advance in Catalysis for Biomass Valorization (CAT4BIO) on 8-11 July 2012 in Thessaloniki, Greece;
- The presentation titled **Biomass Gasification in Multilevel Integrated Biorefinery EuroBioRef** organized by CERTH at the **International Seminar on Gasification** in Stockholm on 18-19 October 2012;
- The workshop organized in Olsztyn, Poland, on December 10<sup>th</sup> 2013 by DTI, titled **Biomass logistics for Biorefineries**;

### *Analysis of the results*

It should be noted that many of the dissemination activities are relevant to academic, scientific and industrial communities. In terms of quantitative results, there have been several overall dissemination activities to the scientific community, industrial, academic and public in terms of poster presentations and oral contributions at various events throughout Europe and also internationally. There have been three manuscripts published in the scientific journals *Biofuels*, *Separation & Purification Technology*, *Industrial Engineering and Chemistry Research*.

A film was produced and partly financed by EuroBioRef and partly privately by UCCS-CNRS about the EuroBioRef project: This film has been projected officially at events twice by UCCS-CNRS and is ready for wider distribution. On July 2012 the movie was published by the website [ChemistryViews.com](http://ChemistryViews.com).

To raise the visibility of the project, the EuroBioRef logo is continuously running of the project on the table of contents page of the *Public Service Magazine* until 2013 for the project duration and was published on the cover of *Public Service Magazine* for their March 2011 issue. In addition, 5 magazine articles have been written by the consortium coordinator UCCS-CNRS during period 2 of the project, the magazines in question are *Public Service*, *Projects*, *Going Public Magazine* and *Engineering News*.

### *Impact of the results*

A range of dissemination activities took place in the third year of the project, and are presented in details in Annex I. The project impact is that online there are now 5.918 total visits on the EuroBioRef website <http://www.eurobioref.org>.

### *Publishable information*

All the information related to this deliverable can be published ('PU').

### *Conclusion*

The project dissemination is progressing as expected. The project has been disseminated in both specialised fora in the scientific and industry domains, and also to the general public. The project consortium has been active in the dissemination to those communities that have led to recognition of the EuroBioRef's project work.

## ANNEX I – Technical content

### *1 Report on collaborations with European Networks and organizations of events (EUBIA)*

Partners involved in this task are TUDO, CNRS-UCCS, CNRS-RENNES, EUBIA and DTI.

EUBIA participates in the Dissemination Discussion Group of the four sister biorefinery projects namely Star-Colibri, Biocore Suprabio and EuroBioRef. As part of this group the sister projects events are promoted to their network consortium and opportunities to promote the sister projects together are also sought after. EuroBioRef was presented at Star-Colibri's European Expert Forum Biorefineries, in April 12-13<sup>th</sup> 2011 Budapest, Hungary by UCCS-CNRS, and EUBIA took part in Star Colibri's final workshop entitled 'High Level Policy-Maker Conference on Biorefineries on 5<sup>th</sup> October 2011 in Brussels. The four projects published their individual logos and project description as part of a link to the European Expert Forum Biorefineries event on the 'EU Sustainable Energy Europe Campaign 2011' website <http://www.eusew.eu>. Following on from the project networking event of the sister projects in February 2011 a direct outcome was to support the Dechema Biorefinery event by presenting the sister projects at Dechema's future event as Dechema presented at project networking event. Dechema's event took place on February 12<sup>th</sup> 2012 and Supra –Bio, EuroBioRef & Bio-core all presented in a shared session entitled 'Joint research biorefinery concepts part I' of the Dechema conference 'Industrial Use of Renewable Raw Materials: Chemistry, Biotechnology, Process Engineering' [www.dechema.de/bioref2012](http://www.dechema.de/bioref2012). Presentations were also shared of the summer schools of both Biocore and EuroBioRef taking place respectively in August in Paris, and in September in Italy. The final conference proceedings of Star-Colibri's event were received by EUBIA and then distributed to EuroBioRef consortium. EUBIA has also received Star-Colibri's final publications in hard copy to distribute at EuroBioRef events. In addition, during year 2 EUBIA promoted to the sister projects the EuroBioRef 'Harvesting, pretreatment and storage of biomass for biorefineries' workshop organized by DTI which took place in Denmark during the Danish Plant Production Congress in January 2012. In addition, the four sister projects put forward an application for a stand at the European Commission's Innovation Convention 2011 which took place on December 5<sup>th</sup> 2011 in Brussels –the application however was not successful. A meeting took place on October 6<sup>th</sup> in Brussels of the dissemination discussion group agreeing to continue to promote events organized by the sister projects to share deliverables where possible and to promote publications of the projects.

Moreover, Information & Dissemination Updates were sent in year 3 by EUBIA to the EuroBioRef consortium informing partners of the upcoming FP7 relevant calls, alternative aviation fuel development regarding the Paris Air show 2011, the EU Commission events organized on alternative fuels in aviation on May 18<sup>th</sup> 2011 and September 18<sup>th</sup> 2012. An excel file of all upcoming biorefinery related events of interest to EuroBioRef. On Tuesday 13 December 2011, EUBIA & UCCS-CNRS attended the three EU-sponsored research projects SuperMethanol, Glyfinery and Propanergy final workshop on 'Innovative uses of glycerol from the biodiesel process' in Brussels to foster collaboration with those finalised projects and EUBIA circulated proceedings to the EuroBioRef consortium, proceedings were also circulated on the 4<sup>th</sup> annual Stakeholder Plenary Meeting of the European Biofuels Technology Platform that took place in Brussels on September 14<sup>th</sup>-15<sup>th</sup> 2011, the Workshop on Biofuels & Indirect Land Use Change in European Parliament, which took place on 25<sup>th</sup> January 2012 and the LCA Workshop on Algae which took place on February 9<sup>th</sup> in the European Commission.

In the framework of the organization of common events between the four sister biorefinery projects (Star-Colibri, Biocore Suprabio and EuroBioRef), an Organization Committee was created with the aim of planning the final conference in 2014. The first meeting was held in Brussels on January 30<sup>th</sup>. The Committee will be composed by Michael O'Donohue (INRA - BIOCORE) and Aurélie Faure (INRA - BIOCORE) BIOCORE, Michele Aresta (CIRCC - EuroBioRef) and Gerardo Ambrosecchia (EUBIA - EuroBioRef). Back-up: Mr. Andrea Salimbeni (EUBIA - EuroBioRef), John Vos (SUPRABIO) and 2<sup>nd</sup> person (from Brunel University - to be decided).

## 2 Dissemination to the Scientific Community (DTI)

Dissemination activities to the scientific community during period 3 were carried out focusing largely on the Sub-projects of EuroBioRef on catalysis but also in general on the projects scientific work on biorefineries. The main format of dissemination to the scientific community is submitting abstracts to scientific conferences, which are then selected for either oral or poster contribution. The project coordinator has also been invited to present EuroBioRef to various scientific fora. A significant contribution was also made by CERTH who presented posters and gave lectures at the EFCAT Summer School which ran from September 11-15 2012 in Verbania Italy and during the International Seminar on Gasification held on 18-19 October in Stockholm. Moreover, UCCS/CNRS gave two presentations during the 15th International Congress on Catalysis 2012: Advance in Catalysis for Biomass Valorization (CAT4BIO) on 8-11 July in Thessaloniki, Greece, and DTI actively participated to the workshop Biomass cultivation for the production of chemicals and fuels on 10<sup>th</sup> December 2012 in Olsztyn, Poland. Dissemination Activities to the Scientific Community were carried out by CERTH, UCCS-CNRS, FEUP, DTI, TUDO, CNRS-Lyon, CNRS-Rennes and UWM during period 3 of the project. A list of the dissemination activities carried out to the scientific community is displayed in Table 1 below. In total 32 dissemination activities were made to the scientific and academic communities. In addition, as DTI is leading this task, an expert list with names of key-persons and e-mails at technical universities, R&D industries and SMEs within the 27 member countries is continuously under preparation at DTI in order to disseminate EuroBioRef information during the last year of the project.

TYPE	EuroBioRef PARTNER	TITLE	EVENT / DATE
1. POSTER PRESENTATION (CONFERENCE)	C. Lamonier / A. Khodakov – UCCS/CNRS	Alumina and Silica supported Mo-based catalysts for the one-step synthesis of MeSH using a syngas/H <sub>2</sub> S mixture	15th International Congress on Catalysis 2012: Advance in Catalysis for Biomass Valorization (CAT4BIO) July 8-11, 2012, Thessaloniki, Greece
2. ORAL PRESENTATION	UCCS-CNRS	Efficient iron molybdate catalyst for a one-pot synthesis of dimethoxymethane: Study on relevant catalytic properties	15th International Congress on Catalysis 2012: Advance in Catalysis for Biomass Valorization (CAT4BIO) July 8-11, 2012, Thessaloniki, Greece
3. POSTER / ORAL PRESENTATION	TUDO	EXTRACTION OF 1,3-PROPANEDIOL USING Im4,1 CF3 SO <sub>3</sub> IN AN IONIC LIQUID-BASED AQUEOUS TWO-PHASE SYSTEM	EUICHEM Conference on Molten Salts and Ionic Liquids. 05-08/08/2012
4. PAPER	TUDO	Liquid-Liquid Extraction of 1-Butanol from Dilute Aqueous Solution Using Ionic Liquids	

5. POSTER PRESENTATION	CERTH	"Thermochemical conversion of biosyngas to higher alcohols over K-promoted Cu/X/Al and Cu/Zn/X (X=Cr, Mn) catalysts", Poster Presentation	EFCATS Summer School 2012, Verbania, Italy 11 - 15 September 2012
6. ABSTRACT / PRESENTATION	CERTH	Hydrogenation of carbon monoxide to higher alcohols over modified CuZnAl catalysts	UBIOCHEM III Conference, 2012, Thessaloniki, Greece 1 - 3 November 2012
7. SHORT ARTICLE	Fabrizio Cavani - CIRCC	Reducing C footprint of fuels and petrochemicals	DGMK Conference 8-10 October 2012
8. SHORT ARTICLE	Fabrizio Cavani - CIRCC	A new process for the valorisation of a Bio-alcohol: the oxidehydration of 1-butanol into maleic anhydride	DGMK Conference 8-10 October 2012
9. POSTER	TUDO	INFLUENCING THE PERVAPORATIVE RECOVERY OF N-BUTANOL BY USING IONIC LIQUIDS	EuroMembrane 2012 23-27/09/2012
10. ORAL PRESENTATION	TUDO	Aufreinigung von 1,3-Propandiol mittels IL-basierter wässriger Zweiphasensysteme: Untersuchungen im Labor- und Technikumsmaßstab (Translation: Purification of 1,3-propanediol by using IL-based aqueous two phase extraction: lab- and pilot scale experiments)	ProcessNet-Jahrestagung und 30. DECHEMA-Jahrestagung der Biotechnologen 201210.-13.09.2012
11. POSTER	CERTH	Thermochemical conversion of biosyngas to higher alcohols over K-promoted Cu/X/Al and Cu/Zn/X (X=Cr, Mn) catalysts	EFCATS Summer School, September 11-15, 2012, Verbania, Italy
12. ORAL PRESENTATION	H. Keuken (PDC)		9th European Congress of Chemical Engineering, 2nd European Congress of Applied Biotechnology 21-24/04/2012
13. ABSTRACT	PDC	Heuristic-numeric process synthesis for bio-based chemistries	
14. PRESENTATION	TUDO	Liquid-Liquid Extraction of 1-Butanol from Dilute Aqueous Solution Using Ionic Liquids	Green Solvents for Synthesis - Boppard, 09-10-2012

15. PRESENTATION	CERTH	Biomass Gasification in Multilevel Integrated Biorefinery EuroBioRef	International Seminar on Gasification 2012 18-19 October 2012 Stockholm
16. ABSTRACT	CRES / CERTH	Biomass feedstocks for energy markets.	
17. PRESENTATION	UCCS	From Glycerol to Acrylonitrile by successive catalytic dehydration and ammoxidation	UBIOCHEM-III Thessaloniki – Greece November 1st– 3 rd
18. PRESENTATION	FEUP - Alírio Rodrigues	Simulated Moving bed membrane Reactor - PermSMBR	"Advanced Catalysis Engineering" course at TuDelft Institute for Process Technology 12.11.2012
19. POSTER	C. Bruneau, C. Fischmeister		2 <sup>nd</sup> International Symposium on Green Chemistry, La Rochelle, France May 21-24, 2013
20. ABSTRACT	CNSR	Ethenolysis of Oleonitrile Catalyzed by Ruthenium Metathesis Complexes	
21. MANUSCRIPT	TUDO - Alexander Niesbach	Reactive distillation for production of n-butyl acrylate from bio-based raw materials	ESCAPE 23 June 9-12, 2013, Lappeenranta, Finland,
22. MANUSCRIPT	FEUP - Alírio Rodrigues	Glycerol Valorisation as Biofuel: Thermodynamic and Kinetic Study of the Acetalization of Glycerol with Acetaldehyde	19.11.2012
23. PAPER	PCZ_WSKR	COMPARATIVE ANALYSIS of BIO AND FOSSIL FUEL MICRODROPLETS EVAPORATION RATE	
24. PRESENTATION	DTI	Biomass logistics for Biorefineries	Workshop: Biomass cultivation for the production of chemicals and fuels Olsztyn, Poland, December 10 <sup>th</sup> 2012



25. PUBLICATION	E. Heracleous, E.T. Liakakou, A.A. Lappas, A.A.	Investigation of K-promoted Cu-Zn-Al, Cu-X-Al and Cu-Zn-X (X=Cr, Mn) catalysts for carbon monoxide hydrogenation to higher alcohols	Submitted for publication, expected in 2013
26. PRESENTATION	TUDO	Membrane-Assisted Downstream Processing for Biobutanol Purification	AICHe2013 Spring Meeting and 9th Global Congress on Process Safety 28/04/2013 - 02/05/2013
27. PRESENTATION	TUDO	Pervaporation for Product Recovery from ABE Fermentations	International Scientific Conference on Pervaporation, Vapor Permeation and Membrane Distillation 12/05/2013-15/05/2013
28. MASTER THESIS	Fabrizio Cavani - CIRCC	Master Thesis by Giovanni Brunetto (student in Industrial Chemistry, University of Bologna). Tutor: Prof. Fabrizio Cavani (Partner CIRCC)	Expected date of delivery of the thesis to the Commission for final examination: end of February 2013. Thereafter, the thesis will be posted on the web site of Bologna University
29. CONFERENCE PUBLICATION	Mariusz Stolarski - University of Warmia and Mazury in Olsztyn	Productivity and quality of biomass harvested from perennial energy crops in Poland	21st European Biomass Conference and Exhibition (21st EU BC&E) 03-07 June 2013

**Table 1: List of Dissemination Activities to the Scientific Community**

In addition, one article has been submitted and accepted in year 3 of the project for publication in a scientific journal for peer review carried out by UCCS-CNRS, TUDO & FEUP.

Details of Author	Journal	Volume	Publisher	Date
1. Anja Müller, Robin Schulz, Julia Wittmann, Irene Kaplanow and Andrzej Górak	RSC Advanced - Green Chemistry	3, 2013	RSC	31 October 2012

**Table 2: List of Scientific Journal Articles**

### 3 Dissemination to the Industrial Community (EUBIA)

One of the main objectives of this project is to define an economically feasible and convenient concept of biorefinery. Research studies carried out during the project will lead to a promising and sustainable biorefinery complex, in order to create an attractive opportunity for industries and investors. During these last four months, EuroBioRef partners participated and organized many events of great interest for industries, where some promising aspects obtained from the on-going project have been presented.

Two of the main events were the CERTH presentation at the International Seminar on Gasification in Stockholm and the DTI workshop in Olsztyn, Poland.

- 1- Mr. Panopoulos of CERTH carried out an interesting presentation during the **International Seminar on Gasification** in Stockholm on 18-19 October 2012. The presentation gave a comprehensive overview of the EuroBioRef project (suitable to large public) and a more specific description of the gasification process used, directed to experts and industries.
- 2- DTI has organized a workshop titled **Biomass logistics for Biorefineries** in Olsztyn, Poland, on December 10<sup>th</sup> 2012. The aim of the workshop was to inform scientific community, industries and general public interested about the **Biomass cultivation for the production of chemicals and fuels**. The presentation includes the explanation of the different procedure for the production of fuels and chemicals, the methods of storage and an analysis of Giant Reed cost, benefits and emissions.

Here below is the full list of events and publications, not only addressed to the scientific community, but containing useful information for the industrial community.

TYPE	TITLE	AUTHORS	EVENT
ABSTRACT	Influencing the pervaporative recovery of n-butanol by using ionic liquids	Sebastian Heitmann /TUDO	EuroMembrane 2012 London 23/09/2012-27/09/2012
ABSTRACT	Gewinnung von n-Butanol mittels Pervaporationsmembranen auf Basis ionischer Flüssigkeiten	Sebastian Heitmann /TUDO	ProcessNet2012 Karlsruhe 10/09/2012-22/09/2012
POSTER	Alumina and Silica supported Mo-based catalysts for the one-step synthesis of MeSH using a syngas/H <sub>2</sub> S mixture	C. Lamonier / A. Khodakov UCCN/CNRS	08/07/2012 - 11/07/2012
PRESENTATION	Efficient iron molybdate catalyst for a one-pot synthesis of dimethoxymethane:	Alexia Cordova, Pascal Blanchard, Carole Lamonier/ UMR CNRS	15th International Congress on Catalysis 2012: Advance in Catalysis for Biomass Valorization (CAT4BIO)

			July 8-11, 2012, Thessaloniki, Greece
CONFERENCE	Investigation of Cu/X/Al and Cu/Zn/X (X=Cr, Mn) mixed oxides for alcohol synthesis from biosyngas	CERTH	15th International Congress on Catalysis 2012, Munich, Germany 1 - 6 July 2012
CONFERENCE	Investigation of K-promoted Cu/X/Al and Cu/Zn/X (X=Cr, Mn) mixed oxides for higher alcohol synthesis from biosyngas	CERTH	CAT4BIO Conference, 2012, Thessaloniki, Greece 8 - 11 July 2012
POSTER/PRESENTATION	Thermochemical conversion of biosyngas to higher alcohols over K-promoted Cu/X/Al and Cu/Zn/X (X=Cr, Mn) catalysts	CERTH	EFCATS Summer School 2012, Verbania 11 - 15 September 2012
CONFERENCE	Hydrogenation of carbon monoxide to higher alcohols over modified CuZnAl catalysts	CERTH	UBIOCHEM III Conference, 2012, Thessaloniki, Greece 1 - 3 November 2012
ABSTRACT	Short article to be included in the proceedings of the DGMK conference on "Reducing the C footprint of fuels and petrochemicals"	Fabrizio Cavani/CIRCC	Berlin, October 8-10 2012
ORAL PRESENTATION	Reducing the C footprint of fuels and chemicals	Fabrizio Cavani/CIRCC	DGMK Conference 10/10/2012
CONFERENCE/ORAL PRESENTATION		H. Keuken (PDC)	9th European Congress of Chemical Engineering, 2nd European Congress of Applied Biotechnology (organized together)  21-24/04/2012

ORAL PRESENTATION	Biomass Gasification in Multilevel Integrated Biorefinery EuroBioRef	K. Panopoulos CERTH	International Seminar on Gasification 2012 – Stockholm 18-19 October 2012
ABSTRACT	Biomass feedstocks for energy markets	M.Christou, E. Alexopoulou, C.Christodoulou, E.I. Koytsoumpa and K.D. Panopoulos/ CRES-CERTH	
PRESENTATION	Advanced Catalysis Engineering	FEUP - Alírio Rodrigues	Presentation in "Advanced Catalysis Engineering" course at TuDelft Institute for Process Technology 12.11.2012
POSTER		C. Bruneau, C. Fischmeister/ISGC	2nd International Symposium on Green Chemistry, La Rochelle, France May 21-24, 2013 (planned)
MANUSCRIPT	Regarding glycerol acetal synthesis	FEUP - Alírio Rodrigues	19.11.2012
WORKSHOP	Biomass logistics for Biorefineries	Jorgen Hinge, DTI	Biomass cultivation for the production of chemicals and fuels Olsztyn, Poland December 10 <sup>th</sup> 2012
PUBBLICATION	Investigation of K-promoted Cu-Zn-Al, Cu-X-Al and Cu-Zn-X (X=Cr, Mn) catalysts for carbon monoxide hydrogenation to higher alcohols	CERTH	

**Table 3: List of Dissemination Activities to the Industrial Community**

After a brief discussion with the EuroBioRef RTD sister projects BIOCORE and SUPRABIO, an Organization Committee was created with the task of planning and organizing the final event to present the projects' results to the industrial community.

The main events foreseen are:

- 1- A Final Conference, an event that would consist on attaching a joint specific event to an existing conference in order to present the work the projects achieved so far to the academic/industrial community.
- 2- A workshop in Brussels in January 2014 inviting policy makers, stakeholders to give a flavour of what we achieved and which kind of know-how we generated and that can be exploited. This would also be a good occasion to show the state-of-the-art on biorefineries and also to underline what is still missing in the field (technological hurdles, policies and so on).
- 3- A EuroBioRef Industrial Workshop (mid-2013) will aim at disseminating the project achievement mainly to the industrial community. The target will also include researchers and companies directly involved in biorefinery research. Possible thematic areas are: **Innovative conversion processes** (chemical processing, biochemical processing, thermo-chemical processing, catalytic processing, etc.), **Innovative biorefinery products** (high added value chemicals polymers and aviation fuels) and **Environmental Assessment / Sustainability of biorefineries**.

The Committee will be composed of:

- Michael O'Donohue (INRA) and Aurélie Faure (INRA Transfert) BIOCORE
- Michele Aresta (Bari) and Gerardo Ambrosecchia (EUBIA). Back-up: Mr. Andrea Salimbeni (EUBIA)
- John Vos SUPRABIO and 2nd person –from Brunel University - to be decided)

The first Organization Committee Meeting will be held in Brussels on 30<sup>th</sup> January 2013

### About the Final Conference

The event will be jointly organised by 3 biorefinery projects BIOCORE, EuroBioRef and SUPRABIO. The event is due at project completion. Normally January 2014 (for SUPRABIO) or February 2014 (for BIOCORE and EuroBioRef) but SUPRABIO has been extended until May 2014 (inclusive).

Conference presentations (by invitation only) shall be complementary, highlight showcases and specifically pay attention to: Success stories / Technical achievements / Exploitable results. To be grouped in thematic sessions. (Session) themes will be determined by the organisers. Below some thematic session suggestions:

1. **Biorefinery feedstocks, (innovative) products and markets** (high added value chemicals, polymers and aviation fuels)
2. **Integration of thermo-chemical / biological / biotechnological process pathways**
3. **Environmental and Sustainability Issues** (LCA; Multi Criteria Assessment of Complex Biorefinery Systems and Their Products)
4. **Overall evaluation / Results of the demonstration projects**
5. **"Invited speaker session"** (could include presentations on (a) Overall policy framework driving biorefineries in the EU; (b) Standardisation of bio-based products (c) Best Practice in Exploitation of EC Project Results.

Conference participation will be by invitation only to get a relevant and focused audience:

- Academic stakeholders or *scientists* (from universities, research institutes, etc.)
- Industrial stakeholders or *industrialists* (large industries, SMEs, trade bodies, etc.)
- Political stakeholders or *officials* (EC, Permanent Representation representatives)
- Capital providers

Other guests might include expertise and/or interest in the field of biomass, bioenergy, biorefinery, catalysis and related areas, including other biorefinery initiatives (projects, platforms, networks).

The target size will be at least 75 participants (at least 125 invitees).

The thematic sessions will be discussed and defined during the Organization Committee Meeting in Brussels.

#### 4 Dissemination to the General Public

Workshops, presentations and lectures have been organized in these first parts of the Project. Four main events have been presented to the general public. In details:

- 1- A presentation was developed by CERTH during the EFCATS Summer School in Verbania (Italy) on 11-15 September 2012 titled **Thermochemical conversion of biosyngas to higher alcohols over K-promoted Cu/X/Al and Cu/Zn/X (X=Cr, Mn) catalysts**, supported by a scientific poster. Although the presentation was addressed to a specific public, the diffusion between Summer School attendees could be consider useful to a larger public than a traditional scientific target.
- 2- Mr. Fabrizio Cavani of CIRCC has carried out a presentation titled **Reducing the C footprint of fuels and chemicals** during the DGMK Conference in Berlin on October 8 – 10 in the frame of the analysis of **Alternative Feedstocks and Innovative Technologies**. The presentation investigated the emission of the biomass based fuels and chemicals.
- 3- The CERTH presentation at the International Seminar on Gasification in Stockholm **Biomass Gasification in Multilevel Integrated Biorefinery EuroBioRef** and the DTI workshop in Olsztyn, Poland, **Biomass logistics for Biorefineries** were in part suitable for general public, assuring a larger diffusion of important EuroBioRef Project features.

Here below are listed the 4 events (three presentations and a workshop) in more details:

POSTER/PRESENTATION	Thermochemical conversion of biosyngas to higher alcohols over K-promoted Cu/X/Al and Cu/Zn/X (X=Cr, Mn) catalysts	CERTH	EFCATS Summer School 2012, Verbania 11 - 15 September 2012
ORAL PRESENTATION	Reducing the C footprint of fuels and chemicals	Fabrizio Cavani/CIRCC	DGMK Conference 10/10/2012
ORAL PRESENTATION	Biomass Gasification in Multilevel Integrated Biorefinery EuroBioRef	K. Panopoulos CERTH	International Seminar on Gasification 2012 – Stockholm 18-19 October 2012

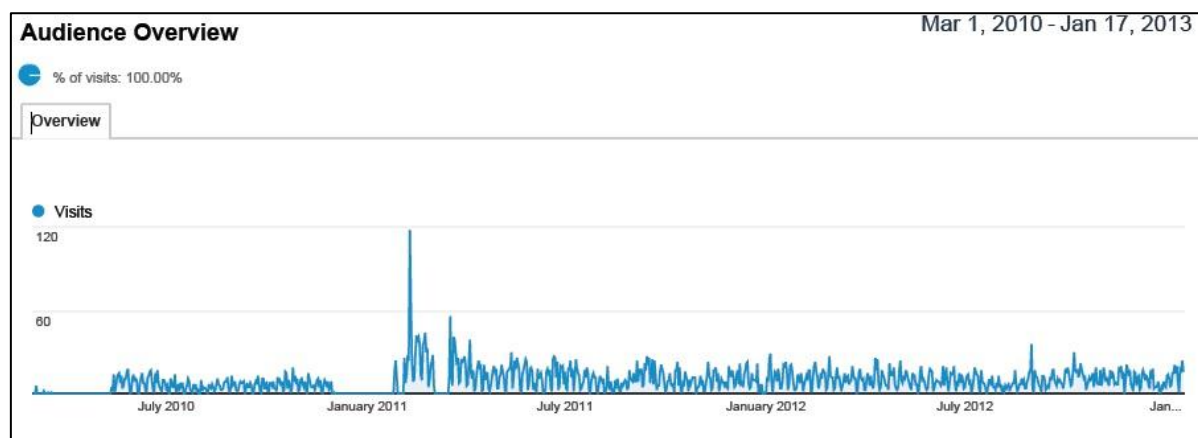
WORKSHOP	Biomass logistics for Biorefineries	Jorgen Hinge, DTI	Biomass cultivation for the production of chemicals and fuels Olsztyn, Poland December 10 <sup>th</sup> 2012
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**Table 4: List of Dissemination Activities to General Public**

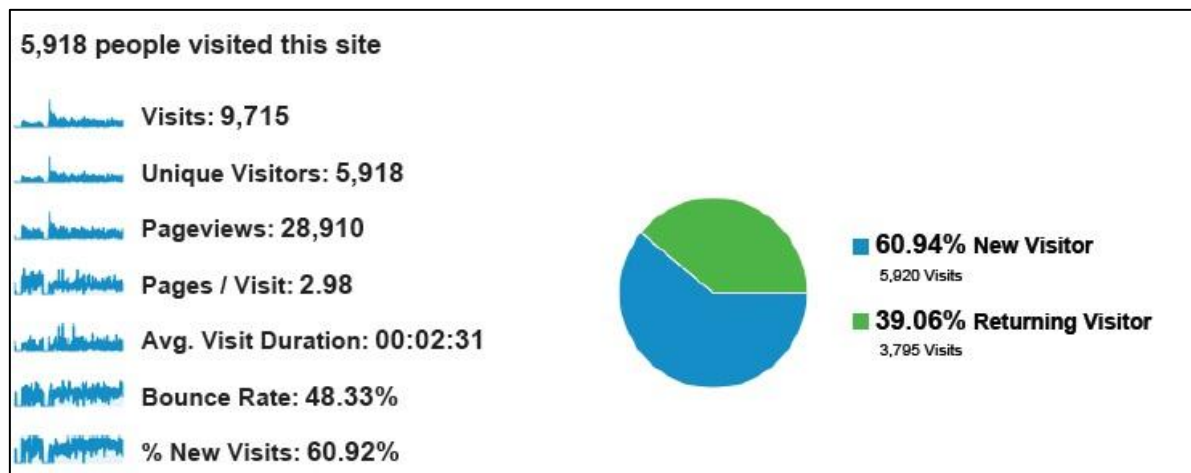
EuroBioRef reports for large diffusion are available on the **Project Web site** [www.eurobioref.org](http://www.eurobioref.org), containing the key information such as lectures, courses, planned conferences and dissemination initiatives. The website is regularly updated and presents the news and the more recent developments within the project and the partners.

About the **Audience Overview**, the website was visited 9,715 times, by 5,918 users during the period July 2010 and January 2013.

Below a graph showing the distribution of visits during the period:



The EuroBioRef website visits in details:



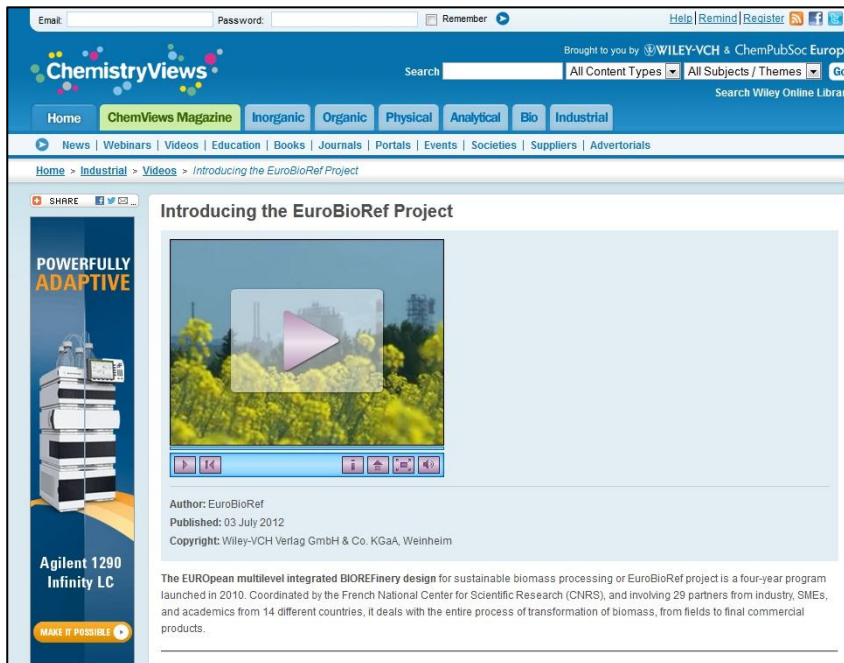
The EuroBioRef visits per country:

Country / Territory	Visits	% Visits
1. France	3,193	32.87%
2. Germany	1,034	10.64%
3. Italy	844	8.69%
4. United Kingdom	483	4.97%
5. Belgium	409	4.21%
6. Greece	371	3.82%
7. United States	302	3.11%
8. Netherlands	287	2.95%
9. Denmark	273	2.81%
10. Spain	263	2.71%



### Public dissemination online

On July 2012 the website ChemistryViews.com, and authoritative voice with the scientific publication landscape, has published the EuroBioRef movie:



The screenshot shows the ChemistryViews website interface. At the top, there is a search bar and navigation tabs for 'Home', 'ChemViews Magazine', 'Inorganic', 'Organic', 'Physical', 'Analytical', 'Bio', and 'Industrial'. Below the navigation, there is a breadcrumb trail: 'Home > Industrial > Videos > Introducing the EuroBioRef Project'. The main content area features a video player with a play button and a thumbnail image of a factory. To the left of the video player is an advertisement for 'Agilent 1290 Infinity LC' with the text 'POWERFULLY ADAPTIVE' and 'MAKE IT POSSIBLE'. Below the video player, the following information is displayed: 'Author: EuroBioRef', 'Published: 03 July 2012', and 'Copyright: Wiley-VCH Verlag GmbH & Co. KGaA, Weinheim'. A short paragraph of text describes the project: 'The EUROpean multilevel integrated BIOREFinery design for sustainable biomass processing or EuroBioRef project is a four-year program launched in 2010. Coordinated by the French National Center for Scientific Research (CNRS), and involving 29 partners from industry, SMEs, and academics from 14 different countries, it deals with the entire process of transformation of biomass, from fields to final commercial products.'

[http://www.chemistryviews.org/details/video/2100669/Introducing\\_the\\_EuroBioRef\\_Project.html](http://www.chemistryviews.org/details/video/2100669/Introducing_the_EuroBioRef_Project.html)

On the same online publication is it possible to read:

- A description of the EuroBioRef Project  
[http://www.chemistryviews.org/details/ezine/2067757/Next\\_Generation\\_Biorefineries\\_EuroBioRef.html](http://www.chemistryviews.org/details/ezine/2067757/Next_Generation_Biorefineries_EuroBioRef.html)
- An interview of the coordinator **Franck Dumeignil**  
[http://www.chemistryviews.org/details/ezine/2099419/Organizing\\_a\\_European\\_Multilevel\\_Biorefinery\\_Project.html](http://www.chemistryviews.org/details/ezine/2099419/Organizing_a_European_Multilevel_Biorefinery_Project.html)

It is important to notice that the EuroBioRef Project appears as second when typing “bio-refinery” (Fig. 1) and as third in the list when typing “biorefinery” (Fig. 2) on Google.com

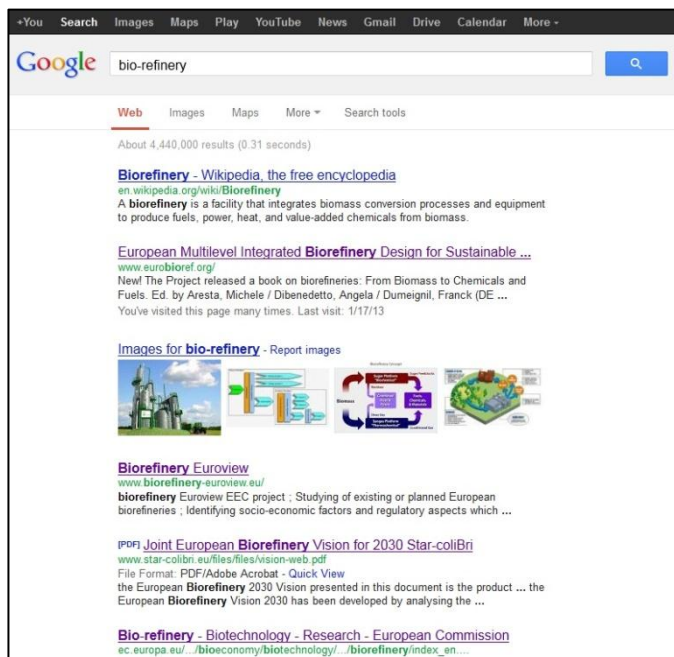


Fig. 1

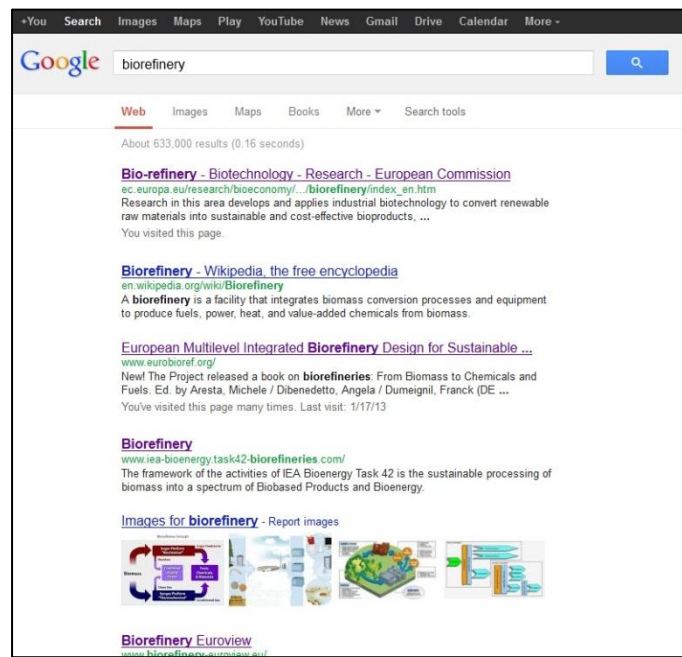


Fig. 2