

*Proposal full title:*

**Algae and aquatic biomass for a sustainable production of 2<sup>nd</sup> generation biofuels**

*Proposal acronym:*

***AquaFUELS***

*Type of funding scheme:*

**Cooperation**

**Theme 5 - Energy**

**BARTER AGREEMENTS**

## **Aim of the document**

- ❖ **Work Package 4 was dedicated to promote synergies among projects related to AquaFUELS.**
- ❖ **Barter agreements (exchanging services without the use of money) were signed with other consortia and invitation to attend the final AquaFUELS conference was sent.**
- ❖ **The aim was to ensure maximum information exchange and always stay updated on the newest policy development and priorities in exchange for dissemination opportunities.**

## Projects selected for Barter Agreement signing: EU-funded

Title	Project Acronym	Programme Acronym	Coordinator Country	Status (dates)
Adolescence for Renewable Energies in Transport	ADORE IT	IEE	The Netherlands	Execution (01.09. 08-31.08.11)
Align Biofuel GHG Emission Calculations in Europe	BioGrace	IEE	The Netherlands	Execution (01.05.10-31.03.13)
Sustainable Fuels from Marine Biomass Project	BIOMARA	INTERREG IVA	Ireland	Execution (2009-2013)
Biofuels and Electric Propulsion Creating Sustainable Transport in Tourism Resorts	BIOSIRE	IEE	Spain	Execution (01.09. 08-31.08.11)
Biomass and Algae Knowledge for the Production of 2nd Generation Biofuels	BIOWALK4 BIOFUELS	FP7-ENERGY	Italy	Execution (01.04.10-31.03.14)
Energetic Algae	ENALGAE	INTERREG IVB -NWE	United Kingdom	Execution (01.11.09-30.06.15)
Utilization of Microalgae for Wastewater Treatment with Energy Purposes	ENERBIOALGAE	INTERREG IVB-SUDOE	Spain	Execution (01.01.11-31.12.12)
Real-Time Non-Invasive Characterization and Selection of Oil-Producing Microalgae at the Single-Cell Level	FUEL MAKING ALGAE	FP7-PEOPLE	Czech Republic	Execution (01.04.10-31.03.13)
Marine Algae as Biomass for Biofuels	MABFUEL	FP7-PEOPLE	Ireland	Execution (01.06.09-31.05.13)
Renewable Hydrogen from Sun and Water	Solar-H2	FP7	Sweden	Execution (01.02.08-31.01.12)
Biotechnological Exploitation of Marine Products and By-Products	BIOTECPAR	ERDF ATALANTIC AREA	France	Execution (01.01.09-31.12.11)
European Multilevel Integrated Biorefinery Design for Sustainable Biomass Processing	EUROBIOREF	FP7-ENERGY	France	Execution (01.03.10-28.02.14)
Genetic Improvement of Algae for Value Added Products	GIAVAP	FP7 KBBE	Israel	Execution (01.01.11-31.12.13)
Control of Light Use Efficiency in Plants and Algae - From Light to Harvest	HARVEST	FP7-PEOPLE	Netherlands	Execution (01.10.09-30.09.13)
Towards a Better Sunlight to Biomass Conversion Efficiency in Microalgae	SUNBIOPATH	FP7-KBBE	Belgium	Execution (01. 10.10-31.12.12)
Sustainable Production of Biologically Active Molecules of Marine Based Origin	BAMMBO	FP7-KBBE	Ireland	Execution (01.03.11-28.02.14)
Enabling European SMEs to Remediate Wastes. Reduce				

Title	Project Acronym	Country	Status (dates)
Biofuel Production from Algae	SHAMASH	France	Started in 2006
Algohub-Roquette	ALGOHUB	France	Execution
Lipid-based, high value products and renewable energy from microalgae	Sunlight	Belgium/ The Netherlands	Execution (01.02.09-31.01.13)
Algae for Chemicals Production and Emission Abatement	Alchemis	Belgium/ The Netherlands	Execution (01.04.10-31.03.12)
AlgaeParc		The Netherlands	Execution
Microalgae, Starting Material for Biooil	MAMBO	Italy	Execution (2009-2011)
NutraMara, The Marine Functional Foods Research Initiative	NutraMara	Ireland	Execution (2009-2013)
Seaweed Biorefinery		The Netherlands/Ireland	Execution (2010-2013)
SUPERGEN Bioenergy - Phase II		UK/Ireland	Execution (09.07-09.11)
Integrated New Concept(s) for the Production of SCO on an Economic Scale	Bi-Cycle	Belgium/ Germany	Execution (2008-2011)
Combined Algal and Bacterial Waste Water Treatment for High Environmental Quality Effluents	ALBAQUA	Germany	Execution (03.09-09.11)
Capture and Valorization of CO <sub>2</sub> from Power Station Using Microalgae	AlgaPlanE	Spain	Execution
Utilization of Industrial Effluents (Gases and Liquids) for the Production of Microalgae Biomass	MicroAqua	Spain	Execution
Production of Biofuels from Microalgae with High Content of Starch and Lipids Using Flue Gas CO <sub>2</sub> as a Source of Carbon		Czech Republic/ Portugal/Switzerland/Germany	Execution (28.06.09-30.09.12)
Adhesion of Microalgae onto Solid Surfaces		Czech Republic	Execution (2010-2012)
Competence Centre for Bio-refining and Bio-energy (CCBB)	CCBB	Ireland	Execution (2009-2016)
VAP – Vlaams AlgenPlatform (Flemish Algae Platform)	VAP	Belgium	Execution

## **Barter Agreement preparation**

- ❖ draft of the agreement among the selected project, EBB (as AquaFUELS Coordinator) and EABA
- ❖ letter from the Scientific Coordinator to invite the selected Project Coordinators to sign a Barter Agreement
- ❖ signing

## Barter Agreements signed

<b>Marine Algae as Biomass for Biofuels</b>	MABFUEL	FP7-PEOPLE	Ireland	Execution (01.06.09-31.05.13)
<b>Control of Light Use Efficiency in Plants and Algae - From Light to Harvest</b>	HARVEST	FP7-PEOPLE	Netherlands	Execution (01.10.09-30.09.13)
<b>Sustainable Production of Biologically Active Molecules of Marine Based Origin</b>	BAMMBO	FP7-KBBE	Ireland	Execution (01.03.11-28.02.14)
<b>Seaweed Biorefinery</b>		Intl	The Netherlands/Ireland	Execution (2010-2013)
<b>Combined Algal and Bacterial Waste Water Treatment for High Environmental Quality Effluents</b>	ALBAQUA	Ntnl	Germany	Execution (03.09-09.11)
<b>Production of Biofuels from Microalgae with High Content of Starch and Lipids Using Flue Gas CO<sub>2</sub> as a Source of Carbon</b>	ALGENOL	Intl	Czech Republic/ Portugal/Switzerland/Germ any	Execution (28.06.09-30.09.12)
<b>VAP – Vlaams Algen Platform (Flemish Algae Platform)</b>	VAP	Ntnl	Belgium	Execution

Intl: international project non-EU funded; Ntnl: national project

## **Other answers to the request of signing Barter Agreements**

- ❖ **Other types of collaboration: BioGrace** included Prof. Tredici in its Internal Newsletter, no possibility to sign a Barter Agreement.
- ❖ Possible positive answer: NutraMara
- ❖ No further feedback to first positive feedback: ENALGAE, FUEL MAKING ALGAE, Bi-Cycle, MicroAqua
- ❖ Negative answers from: AlgoHub, Eurobioref
- ❖ No answer from the other Project Coordinators