



PARTNER PROFILE FORM
7th Framework Programme
Theme 2 – Food, Agriculture and Fisheries, and Biotechnology
Specific Programme Cooperation

Date : 2008 01 04

Note for attention: further details on the Partner Profile Form (PPF) can be found in the Topic PPF_FP7_T2.8 (page 4/4).

PPF_FP7_T2.1 Details of the organization and of the main researcher				
Contact person details				
Name, Title	Bruno Sommer Ferreira, PhD		Gender (M/F):	M
Tel.:	+351 218419189	Fax.:	+351218419189	E-mail: info@biotrend.biz
Personnel website:				
Organization/Research Group details				
Name:	Biotrend – Inovação e Engenharia em Biotecnologia, SA			
Street name and number:	Rua Quinta São João do Cevadeiro, 33			
City, Postal address:	2665-307 Milharado	P.O Box		Country Portugal
Website				
Organization activity type¹	<input type="checkbox"/> HES	<input checked="" type="checkbox"/> IND	<input type="checkbox"/> REC	<input type="checkbox"/> N/A
Organization legal status type	<input type="checkbox"/> Public	<input checked="" type="checkbox"/> Private	<input type="checkbox"/> Non-profit	<input type="checkbox"/> OTH _____

PPF_FP7_T2.2 Personal profile and work history of the research group/organization (brief description - max 12 lines)

Biotrend was founded by a team of former researchers of Instituto Superior Técnico / Technical University of Lisbon with strong bioengineering background, reflected by more than 50 publications in peer-reviewed international journals in the fields of fermentation technology, biocatalysis, process development, integration and scale-up. Biotrend is a process development company in the field of Industrial Biotechnology which is currently scaling-up a microbial process for the production of natural carotenoids that has been developed in-house, in order to prepare its implementation at industrial scale. In addition to developing our own processes, we perform research on a contract basis. In the past Biotrend developed a process for the production of L-lactic acid for a Portuguese company (Pat. PT 102526) and a steroid biotransformation process for a leading chemical specialties multinational (Pat Appl. WO2004083229). Biotrend members have also been deeply involved in promoting nurturing conditions and enabling policies for the full realization of the potential of bioeconomy, both at national and at international levels.

¹ **Organization activity type (fill all that apply):** **HES** - Higher Education (i. e. organisations only or mainly established for higher education/training, e. g. universities, colleges); **IND** - Industry (i. e. industrial organisations private and public, both manufacturing and industrial services such as industrial software, design, control, repair, maintenance); **REC** – Research organization (i. e. "research organisation" means a legal entity established as a non-profit organisation which carries out research or technological development as one of its main objectives); **OTH** – Others; **N/A** – Undefined.



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PPF_FP7_T2.3 Areas of expertise and interest of the Research Group [activities and areas under the 2008 Work Programme for the "Food, Agriculture and Fisheries, and Biotechnology" Theme: [Call FP7-KBBE-2008-2B](#)]

Activity / Area	2008
2.1 Sustainable production and management of biological resources from land, forest and aquatic environments	√
<input type="checkbox"/> 2.1.1 Enabling Research	√
<input type="checkbox"/> 2.1.2 Increased sustainability of all production systems (agriculture, forestry, fisheries and aquaculture); Plant health and crop protection	√
<input type="checkbox"/> 2.1.3 Optimised animal health, production and welfare across agriculture, fisheries and aquaculture	√
<input type="checkbox"/> 2.1.4 Socio-economic research and support to policies	√
2.2 Fork to farm: Food (including seafood), health and well being	√
<input type="checkbox"/> 2.2.1 Consumers	√
<input type="checkbox"/> 2.2.2 Nutrition	√
<input type="checkbox"/> 2.2.3 Food processing	√
<input type="checkbox"/> 2.2.4 Food quality and safety	√
<input type="checkbox"/> 2.2.5 Environmental impacts and total food chain	√
2.3. Life sciences, biotechnology and biochemistry for sustainable non-food products and processes	√
<input checked="" type="checkbox"/> 2.3.1 Improved biomass and plant based renewables	√
<input checked="" type="checkbox"/> 2.3.2 Bioprocesses	√
<input checked="" type="checkbox"/> 2.3.3 Environmental biotechnologies; Use of waste and by-products	√
2.4. Other activities	√
<input type="checkbox"/> 4.1. Coordination and support actions across the Theme	n.a

n.a. – non applicable.



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PPF_FP7_T2.4 Description of previous and present experience in International Cooperation (max. 10 lines)

Although Biotrend has never participated as partner in formal International Cooperation projects, its members have participated in several EU-funded projects and in joint projects with partners from the US and Canada. Additionally, during its process development activities, Biotrend actively cooperates with companies and research centres from different countries, such as Switzerland, Germany, The Netherlands and the US and holds a high quality contact network among major global players on industrial biotechnology.

PPF_FP7_T2.4.1 Participation in EU's Framework Programme (FP) projects

YES NO

If yes:

Project 1 Title / Acronym (Activities performed)	EPOBIO: Realising the Economic Potential of Sustainable Resources - Bioproducts from Non-food Crops (Adviser)
Project 2 Title / Acronym (Activities performed)	

PPF_FP7_T2.5. Topics of interest in the Theme 2 Work Programme (WP) for 2008

Call reference	FP7-KBBE-2008-2B
WP Topic	KBBE-2008-3-1-01; KBBE-2008-3-1-03; KBBE-2008-3-1-05; KBBE-2008-3-2-02; KBBE-2008-3-2-05; KBBE-2008-3-2-07; KBBE-2008-3-3-01
Project Type	<input checked="" type="checkbox"/> Small Collaborative Project <input checked="" type="checkbox"/> Coordination and Support Action <input checked="" type="checkbox"/> OTH _____

PPF_FP7_T2.5.1 Expertise/ Commitment offered

Keywords specifying the expertise:	Strain screening; Bioprocess development; Bioprocess optimization; Fermentation technology; Biocatalysis; Scale-up; Techno-economical feasibility
Description of the expertise:	BioTrend runs a state of the art facility for the development and optimization of Industrial Biotechnology processes. Process development is performed with our bioreactor battery, connected to data acquisition and control software. The reactors are sampled automatically and analyzed for biomass, substrates, metabolites and products. Biotrend's resources allow close and around-the-clock monitoring of all the parameters that reveal the process dynamics, required to perform process feasibility assessment and fast process optimization. This platform is also particularly suitable for testing candidates resulting from high throughput screening micro-scale platforms in a controlled environment that mimics the industrial scale. Biotrend is also able to carry out screening trials involving about 1000 simultaneous cultures performed on 96 deep-well plates under high oxygen transfer conditions. Additionally, Biotrend performs conceptual design studies for industrial biotechnology processes with preliminary economical analysis.
Role/Commitment offered	<input checked="" type="checkbox"/> Technology development <input checked="" type="checkbox"/> Research <input checked="" type="checkbox"/> Demonstration <input checked="" type="checkbox"/> Training <input type="checkbox"/> Dissemination <input type="checkbox"/> OTH _____

PPF_FP7_T2.6 Interests on other Themes of the 7FP Specific Programme "Cooperation"

No YES

If yes:



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- T1 - Health
- T3 - Information and Communication Technologies
- T4 - Nanosciences, Nanotechnologies, Materials and New Production Technologies
- T5 - Energy
- T6 - Environment (including Climate Change)
- T7 -Transport (Including Aeronautics)
- T8 - Socio-Economic Sciences and the Humanities
- T9 - Space
- T10 - Security

PPF_FP7_T2.7 I agree with the publication of my/our data:

- NO YES

PPF_FP7_T2.8 Short guidelines on filling this Partner Profile Form (PPF)

The present form aims to help the researchers in disseminating their activities and interests as potential partners within the Theme 2 of the FP7 by assisting the process of partner search.

PPF_FP7_T2.1	The fields should be filled in order to allow the identification as a partner proponent and further contact by possible coordinators or other entities.
PPF_FP7_T2.2	A short description on the research team will allow the acknowledgement of the past and present activities.
PPF_FP7_T2.3	The activities and areas of interest under the 2008 call of Theme 2 should be indicated.
PPF_FP7_T2.4	Description of previous and present experience in International Cooperation (e.g. projects and partners involved).
PPF_FP7_T2.5	If the interest of the organization regards several topics under the same area, or different areas, additional lines can be introduced in order to cover all the information considered relevant.
PPF_FP7_T2.6	Information on activities and interest on areas of other Themes allows the identification of potential synergies – multidisciplinary projects/approaches.
PPF_FP7_T2.7	In order to best fulfil the goals intended, this form should be circulated to the international community of National Contact Points, and also among potentially interested parties. Note that also the online publication of the present information could be of great help in the process of consortium search for a submission of a proposal.

Please fill in the Partner Profile Form (PPF) and return it to:

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