

EULAFF INTERNATIONAL WORKSHOP

“Functional food and medicinal products
developments from Amazonian Crops”

**Portobelo Resort Hotel & Safari, Mnagaratiba,
Angra dos Reis, Rio de Janeiro, Brazil**

03-05 December 2007

Co-chaired by:

**Dameres de Castro Monte – EMBRAPA, Brazil
Marc Van Montagu – IPBO, Univ Ghent, Belgium**



European Federation of Biotechnology



European Comission

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I. Introduction

Some Latin American crops with functional properties have the potential to satisfy local consumption as well as the growing international demand for “exotic food” with high nutritional and functional value, especially in Europe. Thus, it becomes important to promote the development of niche export markets for functional food products from Latin American agro-biodiverse crops. This need has been addressed in the EC-funded project EULAFF (European Union-Latin American Action on Functional Food), which is sponsoring this workshop.

The commercial development of a functional food sector and its corresponding total food chain, has the potential to significantly contribute to the economic development of Latin American countries, which is the main purpose of EULAFF.

The workshop includes presentations of state of the art research, innovation, regulatory and institutional issues related to the use of Amazonian crops in the development of functional food, medical and cosmetics products, by mobilizing European and Latin American competencies.

The specific objectives of the workshop are:

- To review the current state of knowledge in relevant science and technology applied to Amazonian under-utilized agro-biodiverse crops with high commercial potential.

- To review the current state of informal production chains and address quality and safety issues with regard to international trade standards.
- To promote EU research initiatives involving Latin American scientific community, addressing functional food industry demand, including quality and safety issues.
- To promote commercial initiatives between bi-regional food chain players, including producers of raw material from Latin American agro-biodiversity.

The workshop is jointly organized by BioEuroLatin¹, the European Federation of Biotechnology-EFB² and EMBRAPA³, the main Brazilian agricultural R&D institution, which is a member of the EULAFF consortium. It is held in Rio de Janeiro St, Brail, from December 3rd to 5th, 2007, at the premises of Hotel Resort Portobello (Mangaratiba, Angra dos Reis).

In order to enhance positive interactions between European and Latin American researchers and experts with Brazilian ones, the EULAFF workshop is held next to the First Planning Meeting of EMBRAPA's Functional Food Project, held in the same venue from 06 to 07 December 2007.

¹ BioEuroLatina promotes EU-LA biotechnology cooperation; it has the Executive Direction of EULAFF Project.

² EFB has the General Coordination of the EULAFF Project.

³ EMBRAPA is the main Brazilian agricultural R&D institution, and is a member of the EULLAF consortium

II PROGRAM

Monday 03 December

Time

15:00 – Coordination Meeting of the EULAFF Consortium Members

17:00 h Chairman: Christian Suojanen, Secretary General of EFB (Barcelona) and Valentin Vicente García-Echave, Secretary-Treasurer of BioEuroLatina (Madrid).

Participants: Representatives of EFB, BioEuroLatina, IPBO-UofGent, ESB-UCP, EMBRAPA, PROINPA, UNMSM, EMBRAPA.

Participants by telephone: Carlos Malpica and Javier Verástegui, BioEuroLatina.

20:00 h Opening by Damares de Castro Monte- EMBRAPA, Christian Suojanen- EFB and Valentin Vicente – BioEuroLatin.

Cocktail – Reception to all participants

Tuesday 04 December

Time

Presentations

9:00 h

Moderator: Damares de Castro Monte,
EMBRAPA Recursos Genéticos e Biotecnologia

9:10 h Conference on “The EULAFF Project: Europe-Latin America Cooperation of Functional Food”

Mr. Christian suojanen, Executive Secretary,
European Federation of Biotechnology

9:50 h Conference on “Amazonian biodiversity as a source of genes and molecules for functional food biocommerce opportunities”

Dr. Klays Ammann,

Expert Biodiversity & Biotechnology, European Federation of Biotechnology

10:30 h Coffee break

10:50 h Conference on "Functional ingredients in Europe and Iberoamerica: obtention, evaluation and applications"

Dr. Fulgencio Saura Calisto

Instituto Del Frio, CSIC, Madrid, Spain

11:30 h Conference on "Antioxidants in functional food"

Dr. Mike May

Institute of Plant Biotechnology for Developing Countries-IPBO,
Univ. of Ghent, Belgium.

12:10 h Conference on "Purification of functional molecules from Amazonian fruits"

Dr. Dominique Pallet,

Unité Mixte de Recherche "Qualisud", CIRAD, France

12:50 h Comments by Dr. William Roca, CIP and BioEuroLatina

13:00 h Lunch

15:00h Round Table - "Medicinal and Functional Plants from Amazonian Agrobiodiversity"

Moderator: Dr. Valentin V. Garcia Echave, BioEuroLatin

PERU – Conference "Status of Research on Functional Food and Medicinal Plants from Peruvian Amazon at the UNMSM"

Dr. Inés Arnao, Director, Biochemistry & Nutrition Research Center,
Faculty of Medicine, Universidad Nacional Mayor de San Marcos –
UNMSM, Lima

BRAZIL – Conference "Medicinal Plants Project of Embrapa".

Dr. Eny Duboc – Embrapa Cerrados

BOLIVIA – "Amazonian agro-biodiversity in Bolivia".

Dr. Jimera Irigoyen, Head, Food Analysis and Transformation,
PROINPA.

SWITZERLAND: Comments by Dr. Klaus Ammann, Expert, EFB

17:15 h Special Conference on "Brazilian Platform on Safety, Quality and Food Technology for the consumers"

Dr. Amauri Rosenthal, Head, EMBRAPA Agroindústria de alimentos, Rio de Janeiro, RJ

Wednesday 05 December

Time

9:00 h Round Table - "Biotechnology applied to Functional Food from Amazonian Agrobiodiversity"

Moderator: Dr. William Roca, CIP and BioEuroLatin

PERU: Conference, "Technological and institutional capacities in the Andean countries for adding value to tropical agro-biodiversity".

Dr. William Roca, Consultant-CIP and Andean Coordinator-BioEuroLatin

BRAZIL: Conference, "Functional food development and Embrapa's: genetic resources characterization, food processing and genomics approach."

Dr. Damares de Castro Monte, Head, Lab Plant Nutrigenomics, Embrapa Recursos Genéticos e Biotecnologia, Brasília, DF

BELGIUM: Panel presentation

Dr. Mike May, Institute of Plant Biotechnology for Developing countries-IPBO, University of Gent.

SPAIN: Comments by Dr. Fulgencio Saura, Instituto del Frio-CSIC

13:00 h Lunch

15:00 h Round Table – "Adding value to Amazonian Agro-biodiversity"

Moderator: Dr. Sonia Couri, EMBRAPA Agroindústria de Alimentos, Rio de Janeiro, RJ

BRAZIL: Conference "Characterization and use of tropical fruits as functional food."

Dr. Ricardo Elesbão Alves and Dr. Edy Sousa de Brito – EMBRAPA Agroindústria Tropical.

PORTUGAL: Conference "Plants with antioxidant functional properties"

Dr. Manuela Pinado, Escola superior de Biotecnologia / U. Católica Portuguesa.

PERU: Conference "Potential of sweet potato biodiversity for functional food in the tropics".

Dr. William Roca, Consultant-CIP, and Andean Coordinator-BioEuroLatina.

BRAZIL: conference "Potential of Passion fruit biodiversity as medicinal and functional food."

Dr. Ana Maria Barros – EMBRAPA Cerrados, Brasília, DF.

BELGIUM: Comments by Dr. Mike May, IPBO/University of Gent.

17:30 h Conclusions and Recommendations

By William Roca for BioEuroLatina

By Damares de Castro Monte for EMBRAPA

18:00 h Closure

By Christian Suojanen, European Federation of Biotechnology (EFB)

Thursday 6th and Friday 7th December 2007

1st Planning Meeting on Embrapa's Functional Food Project.

Technical Committee

Christian Suojanen – Executive Secretary, EFB, Barcelona, Spain

Javier Verastegui-Lazo – BioEuroLatina, Madrid, Spain

Carlos Malpica - BioEuroLatina, Madrid, Spain

Damares de Castro Monte – Embrapa, Brasília, DF, Brazil

Marc Van Montagu – IPBO, University of Ghent, Belgium

Organizing Committee

Sonia Couri – EMBRAPA, Rio de Janeiro, RJ. Brazil

Regina Nogueira – EMBRAPA, Rio de Janeiro, RJ. Brazil

Marisa Mendonça – EMBRAPA, Rio de Janeiro, RJ. Brazil

Soraya Pereira - EMBRAPA, Rio de Janeiro, RJ. Brazil

Elvan Gomes do Nascimento – EMBRAPA, Brasília, DF, Brazil

Damares de Castro Monte – EMBRAPA, Brasília, DF, Brazil

Javier Verastegui-Lazo – BioEuroLatina, Madrid, Spain

Christian Suojanen – European Federation of Biotechnology, Barcelona, Spain