

A vertical blue bar on the left side of the slide, containing a circular emblem with a caduceus and a series of yellow and green stars.

Les Rendez Vous de Concarneau EuropaBio Blue Biotech WG

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Industrial Biotech Project Officer

Who Are We?

Created in 1996, EuropaBio, the European Association for Bioindustries represents:

- 80 members operating worldwide
- 5 BioRegions
- 25 national biotechnology associations

Through our national associations, EuropaBio is also the voice of over 1800 small and medium-sized enterprises involved in research, development, testing, manufacturing and commercialization of biotechnology applications

3 sectors: industry, healthcare, agri-food



Opportunity for Blue Biotech WG: integrate industrial biotechnology Council

Who are our members?



Healthcare Biotech Companies



Agri Food Biotech Companies



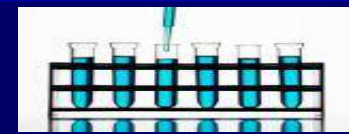
Industrial Biotech Companies



National Associations

Drivers for Growth and Public Policy

Better Science



Better Regulation



Better Access



Opportunities and requirements

Opportunities for Blue Biotech WG within the industrial biotech Council of EuropaBio:

- Bioprospecting & biodiversity
- Biofuels and algae
- Industrial uses of marine biomass & organisms
- Policy links with EC, EP, MS through EU Council

Requirements:

- Blue Biotech WG needs a mission statement (policy oriented)
- Participation of existing EuropaBio members (healthcare + industry) in WG and/or
- Blue biotech oriented companies, research organisations and specialists becoming members of EuropaBio

→ Evaluation mid-2011



Building a Bio-based Economy for Europe in 2020





KBBE EU Presidency paper

Blue Biotech as part of KBBE EU Presidency paper to be published during Belgian presidency

“Today **algae** are used for production of **high value niche products**, and due to their high level of lipids algae is also being considered as feedstock for the production of bio-diesel. However algae-based biofuel is not yet cost competitive, and to reach competitiveness, this emerging technology request strains of highly productive algae, high density cultivation processes reactors, new transparent reactors distributing light efficiently and efficient aeration systems to dissolve CO₂ in the broth.

In addition, **marine or blue biotechnology** offers several **new opportunities**, such as the biochemical diversity important for biodiscovery, the possible biotechnological exploitation of biomass, and innovative aquaculture technologies important for nutrition. However, the exploitation of these technologies is still in its infancy as today less than 1% of the marine microorganisms can be cultured. There is a clear need to develop poly-cultural systems for growing organisms in the aquatic environment in order to master the environmental conditions, and there is also a lack of knowledge about the micro- and microbiota composition in most ocean areas.”

Knowledge Based Bio-Economy towards 2020

Turning Challenges into Opportunities

eu trio.be



Food,
Agriculture and Fisheries,
and Biotechnology
Knowledge-Based Bio-Economy (KBBE)

→ To be published 13-14 September at Belgian EU Presidency event



Opportunities for SMEs

Crucial role of SMEs:

- SMEs represent 99% of all enterprises in the EU
- SMEs employ approximately 75 million people
- SMEs are drivers of innovation and competition. SMEs produce more than 50% of the EU's GDP



→ SMEs have special needs and require tailor-made support: EuropaBio SME platform addresses these.

2010-2011 Action Plan

1. Develop a European Biotech Investment Fund
2. Make the EU funding instruments more accessible to biotech SMEs
3. Create efficient instruments at national level
4. Improve (biotech) SME participation in FP7 / FP8
5. Lower patenting costs for SMEs
6. Communication activities

Blue Biotech WG

- Rendez Vous de Concarneau: excellent starting point for EuropaBio's blue biotech activities
- Important to keep yearly tradition for such workshop/roundtable through e.g. a rotation system in EU Member States
- Possibility to develop activities further through a **mission statement with policy objectives and actions**
- Need to strengthen links between WG and EuropaBio: communicate WG to member companies and increase membership among WG participants → optimise results





Blue biotech WG Steering group

EuropaBio would like to welcome the Blue biotech WG Steering group members to the next meeting.

When: **15th November 2010**

Where: **EuropaBio, Brussels**

EuropaBio SG member: **Dirk Carrez**

Sherpa: **Jasmiina Laurmaa**





Thank you for your attention!
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