

# PRESS KIT 2013



## Agrobiobase Award

*Reward and Promote innovation in biobased products*

Award presented November 20th 2013, Pavillon d'Armenonville, Paris

*Organized  
by*



*Under the auspices  
of*



*With the support  
of*



*With the cooperation  
of*





## Agenda

1. Presentation of Agrobiobase Award 2013
2. Finalists 2013
3. Composition of the jury 2013
4. Applications 2013
5. Partners



## Presentation of Agrobiobase Award

### 1. AGROBIOBASE, to learn more about bio-based products ([www.agrobiobase.com](http://www.agrobiobase.com))

Agrobiobase, service of the competitiveness cluster Industries & Agro-Ressources, is an international database on biobased products, launched in September 2010.



The website lists over 200 biobased products through datasheets and thematic issues. It contributes to the implementation of innovative technical solutions, enabling the relationship between suppliers and customers at international level.

Product profile gives description of the product with its environmental benefits, its biobased content, as well as technical data and supplier contact.

Special reports provide further information on biobased products, application markets and product families: market data, gains of use, applications, and specifications.

This service is open to all companies, members and non-members of the competitiveness cluster Industries & Agro-Resources (IAR).

#### Agrobiobase in few numbers:

About 250 biobased products

2 000 unique visitors per month

30% of consultations are internationally

### 2. A prize to reward, encourage and support innovation in biobased products

The first edition of the Agrobiobase Award took place in 2011, under the auspices of the French Ministry of Agriculture, Agrifood and Forestry at the International Congress « Plant Based Chemistry for 2020 » September 6, 2011.

The Jury, chaired by Daniel THOMAS then President of IAR cluster and Member of the Academy of Technologies of France, had selected three companies for their innovative feature of their bioproducts, their biobased content and their environmental and socio-economic impact.

#### Winner Category Biomaterials

**EcoTechnilin**, France's leading provider of non-woven products made from natural fibers, won the trophy for its lightweight thermoset composite fully biobased: **FIBRICARD**®.

#### Category Biochemicals: 2 ex-aequo winners



**Novance**, subsidiary of Sofiprotéol group, specialized in manufacturing and marketing of chemicals from the exploitation of natural vegetable oils, was recognized for its aqueous emulsion of 100% vegetable alkyd resin: **VG TECH HYDRO**®.

**Roquette**, a leading global players in starch and its derivatives, received a trophy for its 100% biobased plasticizer: **POLYSORB ID 37**®.

### 3. The 2013's edition shows the internationalization of the Agrobiobase Award

**Organized by IAR Cluster, under the auspices of the French Ministry of Agriculture, Agrifood and Forestry, with the support of ACDV, and with the cooperation of Formule Verte, 22 applications were submitted for this second edition.**

If the first edition, nationwide, was a great success, the bet of IAR cluster to make the Award international seems successful. Applications were submitted by French international groups, British and German companies.

The selection mode of the winner was changed given the final word to congress participants. This year's Jury (composition detailed in page 9 of this document), chaired by Dominique DUTARTRE, President of IAR cluster and Deputy General Director of the group Vivescia, pre-selected four finalists based on three criterias:

- the innovative feature of the bioproduct,
- the biobased content,
- the environmental and socio-economic impact.

Professional attendees of the International Congress Plant Based Summit (November 19-20, 2013, Pavillon d'Armenonville, Paris) elected the winner.

**FLAX TECHNIC has been recognized for its 100% biobased composite TWINFLAX P-PREG!** 100% biobased, this innovative product is a technical fabric in flax fibers associated by a specific impregnation process with a high-performance bio-based resin, a polyamide PA11.

<http://www.agrobiobase.com/en/database/bioproducts/tous-les-marches/twinflax-p-preg>

The award ceremony was chaired November 20, 2013 by Mr. Daniel THOMAS, Vice-President of IAR cluster and Mr. Aurélien MILLION, Head of the Unit of Biomass and Energy of the French Ministry of Agriculture, Agrifood and Forestry.

Edouard PHILIPPE, Innovations Manager at FLAX TECHNIC, a subsidiary of DEHONDT Group, received the trophy from one of the previous winners Karim BEHLOULI, CEO of EcoTechnilin who congratulated him.

For this 2013 edition, the winner has received financial support in the amount of 5,000 euros and press coverage.



# Twinflax P-PREG : Winner 2013



**Agrobiobase Award**



**Description:**

TWINFLAX P-PREG is a semi-finished products design from technical fabrics impregnated with a high performance biobased thermoplastic resin.

**Product family:**

Application products > Composites

**Sectors/Markets:**



**Plant origin & Biobased content:**

Flax, Castor oil  
100%,

**Environmental gain:**

- Low environmental impact because of flax fibre and bioresin PA11
- Local production and transformation of flax fibres
- Recyclability and good valorization
- Aging resistance in marine conditions



by



**Contact:**  
**Edouard PHILIPPE**  
 Innovations Manager, Company Flax Technic – Group DEHONDT  
 contact@flaxtechnic.com



## The 3 other finalist products selected by the jury

### Secoia EXP Leaf Tech

Ecoat S.A.S.

#### Description:

Ecoat has developed Secoia EXP Leaf Tech with following features:

- Allows the drying of the film without using a catalyst based on heavy metals,
- Offers a 95% biobased alkyd emulsion
- Offers outstanding performance in terms of speed of drying and hardness.

#### Product family:

Intermediate products > Resins, Polymers

#### Sectors/Markets:



#### Plant origin & Biobased content:

Tall oil / 100% biobased nonionic surfactant  
95%, Calculated by weight percentage

#### Environmental gain:

Ecoat biobased polymer are based on renewable carbon. They offer the intrinsic value proposition of a reduce carbon footprint. A 39% reduction of its value, comes from the amount of renewable carbon in the Secoia Exp Leaf Tech product and in harmony with the rates and time scales of natural biological carbon cycle. Identification and quantification of biobased content is based on the radioactive C14 signature associated with (new) bio carbon and is measured as the percent weight of bio carbon to the total organic carbon present in the Secoia Exp Leaf Tech product.

Leaf Tech

by

Ecoat

#### Contact:

Olivier CHOLET

CEO, Société ECOAT

olivier.choulet@ecoat.fr



## Simulgreen 18-2

Seppic

### Description:

Simulgreen 18-2 is a versatile O/W emulsifier, for a extra-light skin feel and a "nude skin" sensation with 8H moisturizing effect. Simulgreen is suitable for lotion to cream textures without any soaping effect in natural emulsions.

### Product family:

Intermediate products > Surfactants

### Sectors/Markets:



### Plant origin & Biobased content:

Castor, wheat  
100%

### Environmental gain:

- No solvent
- No preservatives
- No hazardous reagents
- Safety in use
- Biodegradability



by



### Contact:

**Alexandra GILBERT**

Company SEPPIC

alexandra.gilbert@airliquide.com

**Emilie POTTIER**

Company SEPPIC

emilie.pottier@airliquide.com



# SOPHOCLEAN

Wheatoleo

### Description:

SOPHOCLEAN is the first industrial biosurfactant.  
It has good degreasing and wetting properties and can be used as a non foaming surfactant.  
Readily biodegradable and have a very low ecotoxicity profile.  
Can be used also as a solubilizer  
Only R36 risk phrase

### Product family:

Intermediate products > Surfactants

### Sectors/Markets:



### Plant origin & Biobased content:

Wheat - Rapeseed oil  
100%

### Environmental gain:

Biodegradability >75% (OECD 301B)



SOPHOCLEAN

by



### Contact:

**Anne-Sophie DUTAILLY**

Operational Marketing Manager

as.dutailly@soliance.com

**Cédric ERNENWEIN**

R&D manager, Company Wheatoleo

c.ernenwein@wheatoleo.com



## Composition of the jury 2013

Chaired by Dominique DUTARTRE, the jury was composed this year of:

<b>Dominique DUTARTRE</b>	<b>President</b>	<b>IAR cluster (Deputy Director General of the group Vivescia)</b>
Daniel THOMAS	Vice-President	IAR cluster (Member of the Academy of Technologies of France)
Julien COLIN	Project Manager Bioproducts - Biomaterials	French Ministry of Agriculture, Agrifood and Forestry
Aurore FRIES	Project Manager	Association Chimie du Végétal (ACDV)
Sylvie LATIEULE	Editor	Magazine Formule Verte



## Applications 2013

22 applications have been submitted for this second edition of Agrobiobase Award. We thank all applicants, please find below the table of those who agreed to communicate about their product:

Product	Company	Nationality
<p><b>Biogranulats®</b></p> <p>Biogranulats® is the first ornamental gravel derived from a renewable vegetable resource.</p>	<b>Phyto-VALOR</b>	<b>France</b>
<p><b>DERNATAC P 105</b></p> <p>Pentaerythritol ester of rosin This product provides properties that are interesting in the coating, varnishes or adhesives industries and especially as additives in green bitumen.</p>	<b>DRT</b>	<b>France</b>  MEMBER 
<p><b>Disinfectant Detergent</b></p> <p>The disinfectant detergent Salveco is a patented disinfectant formula based on components exclusively resulting from renewable resources and are plant-based and of comparable effectiveness to the leading market products.</p>	<b>SALVECO</b>	<b>France</b>
<p><b>DUO LIN</b></p> <p>The product is a modified vegetable resin which cures by means of ultra violet light. An example of application of this resin is the "DUO LIN" project and the manufacture of a bicycle helmet.</p>	<b>DRAGONKRAFT</b>	<b>United Kingdom</b>
<p><b>EcoRenfort</b></p> <p>EcoRenfort is a range of reinforcements for PVC joinery, made in a composite material based on natural fibers.</p>	<b>INNOBAT</b>	<b>France</b>  MEMBER 
<p><b>Gobi</b></p> <p>Eco-designed as a sustainable and appealing solution, this bottle used on a daily basis, save wastes and costs in companies or at home. Made out in the past of a TPU resin, the bottle base is from now on produced using Gaïalene®, a fully recyclable sustainable plant-based resin.</p>	<b>GOBILAB</b>	<b>France</b>



<p><b>Greenway Solar -30°C</b></p> <p>Greenway® Solar -30°C is a ready-to-use heat transfer fluid based on 1.3-Propanediol (Bio-PDO™) and organic long-duration corrosion inhibitors.</p>	<p><b>DEHON SERVICE (CLIMALIFE)</b></p>	<p><b>France</b></p>
<p><b>JELUPLAST® - WPC BIO TPS H50-510-35</b></p> <p>Wood plastic composite from wood fibres and thermoplastic starch: the biocomposite completely decays in the earth. The material is freely mouldable using conventional plastics processing machines. The products manufactured therefrom are firm like wood.</p>	<p><b>JELU-WERK Josef Ehrler GmbH &amp; Co. KG</b></p>	<p><b>Germany</b></p>
<p><b>LESSSALT</b></p> <p>LESSSALT is a melting agent which reduces about 80% the use of salt for the snow clearing of the road. The product is composed of 50% plant residue and 30% minerals and 20% salt in compliance with the standard NF - P98 - 180.</p>	<p><b>WHITESNOWFREE</b></p>	<p><b>France</b></p> <p>MEMBER   <small>COMPETITIVENESS CLUSTER INDUSTRIES &amp; AUTO-RESOURCES</small></p>
<p><b>LINEA Sport and Nature Natural tracing on grass</b></p> <p>Natural paint to dilute for drawing on sports grassed fields , based on a water emulsion of linseed oil</p>	<p><b>DERIVERY SAS</b></p>	<p><b>France</b></p>
<p><b>LUBA 18</b></p> <p>New generation of extreme pressure biolubricant for cutting and stamping of metals</p>	<p><b>MOLYDAL</b></p>	<p><b>France</b></p> <p>MEMBER   <small>COMPETITIVENESS CLUSTER INDUSTRIES &amp; AUTO-RESOURCES</small></p>
<p><b>Mammoth® Neo</b></p> <p>First bituminous membrane consisting of an innovative and ecological elastomer, based on rapeseed oil</p>	<p><b>SOPREMA</b></p>	<p><b>France</b></p> <p>MEMBER   <small>COMPETITIVENESS CLUSTER INDUSTRIES &amp; AUTO-RESOURCES</small></p>
<p><b>100% low twist flax yarns &amp; rovings</b></p> <p>100% low twist linen/flax rovings and yarns adapted for natural fiber reinforced composites processes such as pultrusion, filament winding, weaving...</p>	<p><b>SAFILIN</b></p>	<p><b>France</b></p>
<p><b>METISSE [eko]Baffle</b></p> <p>Métisse® [eko] BAFFLE is a panel of non-woven material that acts as a sound absorber. Designed for professional sound proofing, it offers exceptional acoustic performances on low, medium and high frequencies.</p>	<p><b>LE RELAIS METISSE</b></p>	<p><b>France</b></p>
<p><b>OFLEX® Bio-based</b></p> <p>CHOMARAT, specializing in coated textiles CHOMARAT is rolling out the world premiere of a new entire line of biobased coated fabric called OFLEX™ Bio-based.</p>	<p><b>CHOMARAT</b></p>	<p><b>France</b></p>



<p><b><u>Secoia EXP Leaf Tech</u></b></p> <p>Biobased alkyd emulsion allowing film drying without using a catalyst based on heavy metals and providing outstanding performance in terms of speed of drying and hardness.</p>	<p><b>ECOAT</b></p>	<p><b>France</b></p>
<p><b><u>SIMULGREEN™ 18-2</u></b></p> <p>Simulgreen 18-2 is a versatile O/W emulsifier, for a extra-light skin feel and a "nude skin" sensation with 8H moisturizing effect. Simulgreen is suitable for lotion to cream textures without any soaping effect in natural emulsions.</p>	<p><b>SEPPIC</b></p>	<p><b>France</b></p> <p>MEMBER </p>
<p><b><u>SOPHOCLEAN</u></b></p> <p>SOPHOCLEAN is the first industrial biosurfactant. It has good degreasing and wetting properties and can be used as a non foaming surfactant.</p>	<p><b>WHEATOLEO</b></p>	<p><b>France</b></p> <p>MEMBER </p>
<p><b><u>TOPKLEAN ORGANIC</u></b></p> <p>Topklean ORGANIC is effective in mechanical precision degreasing in vacuum cleaning process.</p>	<p><b>INVENTEC PERFORMANCE CHEMICALS</b></p>	<p><b>France</b></p> <p>MEMBER </p>
<p><b><u>TWINFLAX P-PREG</u></b></p> <p>TWINFLAX P-PREG is a semi-finished products design from technical fabrics impregnated with a high performance biobased thermoplastic resin.</p>	<p><b>FLAX TECHNIC - Groupe DEHONDT</b></p>	<p><b>France</b></p>
<p><b><u>Vegetan FL</u></b></p> <p>Vegetan FL is a very pure liquid form of dihydroxyacetone (DHA) obtained by biotechnology from renewable vegetal ressources. This ecoresponsible self-tanning active ingredient gives a perfect glow to the skin.</p>	<p><b>SOLIANCE</b></p>	<p><b>France</b></p> <p>MEMBER </p>



## Partners of Agrobiobase Award 2013

### Competitiveness cluster Industries & Agro-Ressources



IAR is the gateway to the French Bioeconomy. IAR's members aim at valorising plant based innovation for concrete industrial applications. The objective is to conceive different and sustainable biobased products and materials that will be used in the manufacturing of tomorrow currents goods.

From the idea to the development, searching financing, IAR Cluster supports project leaders. Projects lean on the model of biorefinery.

IAR gathers more than 250 members from the whole field of biorefinery.

IAR Cluster is a European reference in the European Bioeconomy

[www.iar-pole.com](http://www.iar-pole.com)

### Ministry of Agriculture, Agrifood and Forestry



The Ministry is responsible for implementing government policy in the following areas:

- agriculture,
- food,
- rural development,
- forest and wood.

These duties are performed within the framework of the Common Agricultural Policy (CAP). The Ministry prepares and implements food policy in conjunction with the Ministry of Economy, Finance and Foreign Trade and the Ministry of Social Affairs and Health. The Ministry also works with the Ministry of Education and Higher Education to train future workers of rural agricultural, forestry, food and environmental sectors.

In the framework of its missions, the Ministry has six major objectives:

- develop sustainable agriculture and the food processing industry,
- ensure a safe, diverse and sustainable food,
- enhance the value of products, regulate markets,
- support the production and forest management, protect biodiversity,
- guide training, research and development,
- coordinate the services and the conduct of the Ministry's policies.

More information on the Ministry with the document "A ministry in action"  
[http://agriculture.gouv.fr/IMG/pdf/MAAF\\_plaquette-ENGBD\\_cle047997.pdf](http://agriculture.gouv.fr/IMG/pdf/MAAF_plaquette-ENGBD_cle047997.pdf)



## Association Chimie du Végétal (ACDV)



The aim the association has set for itself is to create all the industrial, economical and political conditions conducive to the development of this new sector, within the framework of competitive, responsible and sustainable agriculture and chemistry.

As a representative of the main players in bio-based chemistry, the ACDV is a driving force underlining industrial stakes to national and European bodies : It presents to Europe's governing bodies the vision and the stance of industrial companies regarding the development of bio-based chemistry.

Reflected by the French Grenelle law, the commitment of the French chemistry industrial players to use 15 % of renewable raw materials in the French chemistry in 2017 is a strong driver for ACDV's every day actions.

<http://www.chimieduvegetal.com/en/index.asp>

## Formule Verte



Formule Verte is the magazine that deals with green solutions offering an alternative to petroleum-derived raw materials in all of the formulation industries. All the formulation industries are concerned : paints, coating, lubricants, detergents, cosmetics, packaging, plastics...

Formule Verte is an InfoPro Digital publication.

Organized  
by



COMPETITIVENESS CLUSTER  
INDUSTRIES & AGRO-RESSOURCES

Under the auspices  
of



With the support  
of



With the cooperation  
of

