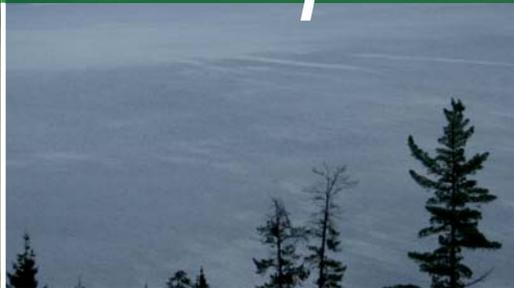




*Québec*

*Cosmetopée*



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# *What is Cosmetopée?*

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The Cosmetopée project, an initiative of Cosmetic Valley, promotes cosmetic innovation through research of new ingredients of plant origin which enrich the prime materials offers. After the fashion of pharmacopoeia in the field of therapeutics, it makes an inventory of the known plants according to their cosmetic values, cosmetic traditions and the ancestral beauty rituals.

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## *The Québec Cosmetopée database*

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The Québec Cosmetopée Database identifies over 100 trees, plants and marine products which have proven to include relevant properties for cosmetic applications. This database consists of 11 sections : identification (scientific name, family, common names, historic background, parts used), extracts and their concentration, categories to which these extracts belong (polyphenols, flavonoids, terpens, etc.), uses (cosmetic, dermatology, medical, food), available quantities, harvest (type : wild or cultivated and period) and at which step the product is (harvesting, extraction, characterization, formulation, etc.).

# Selected Projects for Partnerships

Title	Description	Contact
Boreal Plants : Properties and Concentration of Active Compounds	We are specialized in the assessment of diverse properties of plants handpicked in the Quebec-Canada boreal forest. We are looking for partners to evaluate the concentration of active compounds which would be useful in the cosmetic field.	Coop Forestière de Girardville Élise Lavoué elavoue@dorigina.com
Valorisation of our Distillation Products	We are seeking partners for clinical trials, formulation and production of ingredients to develop a range of cosmetic products with our essential oils, hydrosols and our new fortified hydrosols.	Aliksir huiles ess. bio Inc. Julie Nault comptabilite@aliksir.com
Developing New Sustainable Approaches to Forestry	Our company is currently focusing on boreal forest medicinal and cosmeceutical plants and mushrooms. We are looking for partners that have experience in establishing and financing processing plants, and also formulation, development, commercialization and marketing.	Forêt Modèle du Lac-Saint-Jean Serge Harvey serge.harvey@fmlsj.ca
Bio-active Extractives - Hydro-Alcoholic and Supercritical Extractions	In order to use bio-active extractives based on boreal forest to meet cosmetic needs for green products from a sustainable forest, we are looking for partners with expertise in formulation, production and marketing & sales.	FPInnovations Alpha Barry Alpha.barry@fpinnovations.ca
Valorisation of Marine Extracts for Cosmeceutical Applications	At innoVactiv, our mission is to develop and to offer the cosmetic industries the best scientifically proven specialty ingredients that will help improve and maintain the well-being of consumers. We are looking for partners in formulation, consumer production, marketing & sales.	innoVactiv Inc. Nancy Labonté nlabonte@innovactiv.com
Absorption and Metabolomics Studies	TransBIOTech wants to develop targeted and untargeted approaches (using LC-QQQ and LC-QTOF) to measure absorption and metabolization of ingredients and formulation on different skin models. We are seeking partners with expertise in extraction, characterization, formulation and production of ingredients.	
Anti-Psoriasis Efficacy Measurement	By using 3D in vitro model of psoriasis skin, we would like to demonstrate the efficacy of cosmetics ingredients and formulations to reduce inflammatory responses. We seek for partners with expertise in extraction, characterization, formulation and production of ingredients.	TransBIOTech Marie-Hélène Girard Marie.Helene.Girard@tbt.qc.ca
Raman Spectroscopy in Skin Lipidomics Studies	We are looking for partners experienced in extraction, characterization, clinical trials, formulation and production of ingredients to demonstrate the benefits of cosmetics ingredients and formulations on healing, hydration and anti-aging models with raman spectroscopy.	
Wound Healing Models	Using 3D in vitro wound healing model, we show the efficacy of cosmetics ingredients and formulations in epithelization, gene expression, collagen production and protein expression. Seek partners with expertise in extraction, characterization, clinic trials, formulation and production of ingredients.	
Wound Healing Models	We are engaged in the valorisation of marine extracts for cosmetic purpose using low-cost extraction procedures and green chemicals. We seek partners to carry out clinical trials, formulations and for marketing and sales.	CRBM Simon Cartier simon_cartier@crbm-mbr.com
Chemical Assays and Quality Control	Chemical assays and quality control for phytochemicals, including essential oils, plant extracts, cosmetics, herbs and medicines, raw plant material, etc. The company is interested in projects pertaining seasonal, climatological or geographical variations of chemical compounds in plants, as well as chemotypes comparison and characterization.	PhytoChemia Hubert Marceau, B. Sc. h.marceau@phytochemia.com

## POTENTIAL EXTRACTS FROM LIGNEOUS FOREST PRODUCTS

Species	Cosmetics	Nutraceuticals	Pharmaceuticals
Birch	3	1	8
Cedar (East)	7	7	6
Cedar (West)	4	4	2
Fir	2	5	10
Hemlock	2	5	6
Juniper	1	0	1
Larch	2	0	3
Maple	1	1	3
Pine	12	4	9
Poplar	2	2	2
Spruce	9	5	14

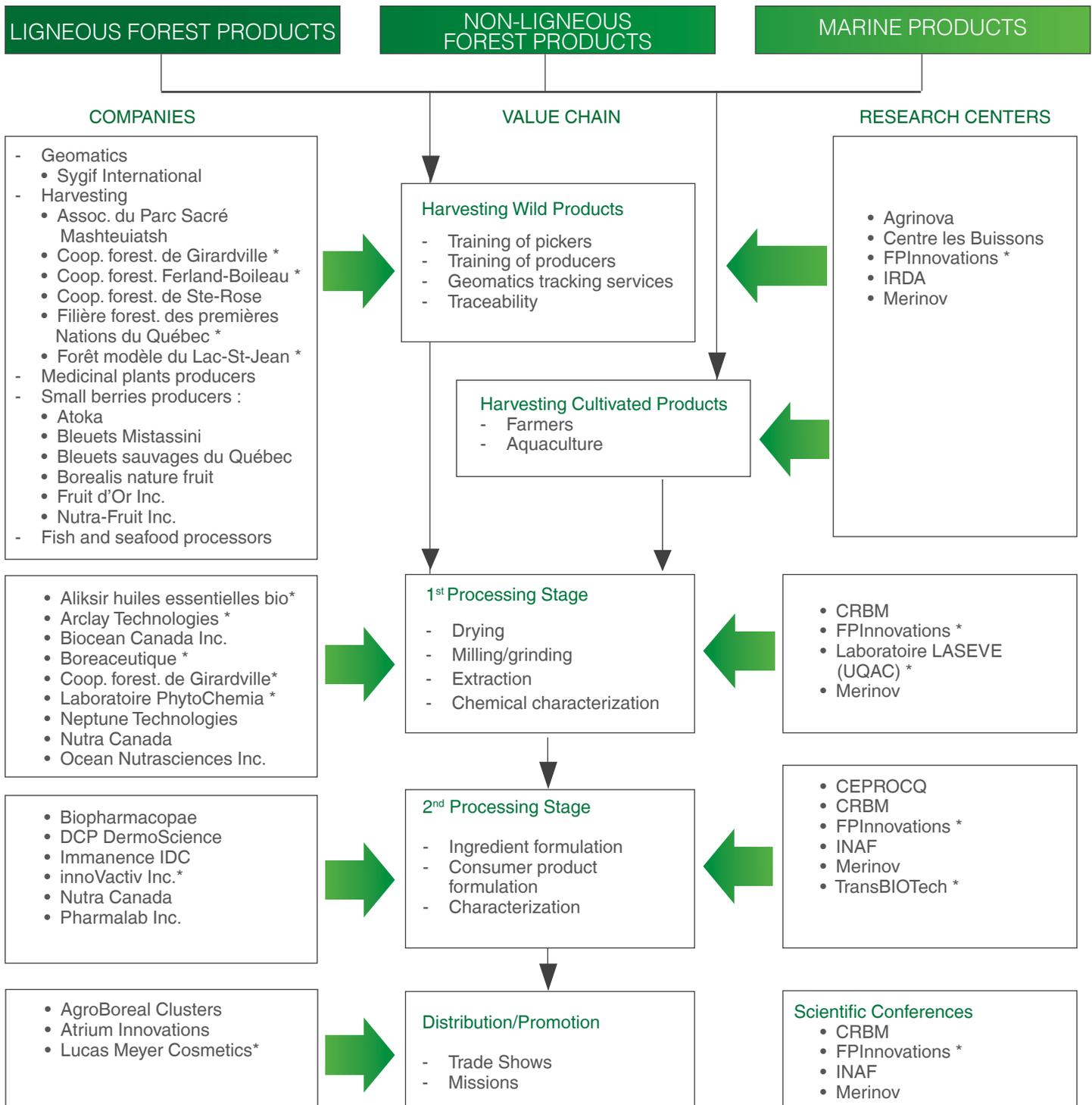
## POTENTIAL EXTRACTS FROM NON-LIGNEOUS FOREST PRODUCTS

Species	Cosmetics	Nutraceuticals	Pharmaceuticals
Bird Cherry	X	X	X
Blue Honeysuckle	X	X	
Chokeberry	X	X	X
Cranberry	X	X	X
Dwarf Sour Cherry	X	X	
Elderberry	X	X	X
Hazel	X	X	X
Pimbina Cranberry	X	X	X
Sea Buckthorn	X	X	X
Shadbush	X	X	X

## POTENTIAL MARINE EXTRACTS FROM FISH AND SEAFOOD PROCESSED IN QUÉBEC

Species	Cosmetics	Nutraceuticals	Pharmaceuticals
- CRUSTACEANS			
Chitin/Chitosan	X	X	X
Extracts (Powder or Paste)		X	
Hydrolysed Crustaceans (Peptides/Peptones)		X	
Mussel Oil / Lipid Extract		X	
Pigments	X	X	
Shrimp Meal (Proteins)	X		
Shrimp Oil		X	
- FISH			
Fish meal (Proteins)	X		X
Gelatin			
Hydrolysed Fish (Peptides/Peptones)		X	
Hydrolysed Collagen	X	X	X
Native Collagen	X	X	
Oil (Omega-3)	X	X	
Oil (Phospholipids)		X	

# Natural Products Value Chain, Cosmetics Sector in Québec



\* These organizations will be attending In-Cosmetics 2013.

# Participants in Québec Cosmetopée

## ORGANIZER



**QUÉBEC  
INTERNATIONAL**

Développement économique  
Economic Development

## PARTICIPANTS

**AgroBoréal**  
LES RICHESSES NORDIQUES DU QUÉBEC



**Trans BIO Tech**  
Centre de recherche et de transfert en biotechnologies

**FPInnovations**



**boréaceutique**

**Alkisir** Huiles Essentielles  
Biologiques

Laboratoire  
**PhytoChemia**

**d'Origina**  
Être boréal  
A boreal moment

**ACCORD**  
Québec maritime

**innoVactiv**



Filière forestière des  
premières Nations du Québec

**crbm**  
centre de recherche sur les  
biotechnologies marines  
Marine Biotechnology Research Centre

**UQAC**  
UNIVERSITÉ DU QUÉBEC  
À CHICOUTIMI

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International Trade Canada

COOPÉRATION FRANCE-QUÉBEC