

BioTrade Ingredients and Cosmetics

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BioTrade Ingredients for Cosmetics

- **Background**
- – Development, industry, supply chain, new ingredients
- **Natural Ingredients for Cosmetics**
 - Market Growth → Natural (function/benefit) → Ethical
 - Innovation ↔ Differentiation
 - BioTrade ingredients
- **Smart Sourcing**
 - Native Biodiversity ↔ Regulatory
 - New Ingredients ↔ Existing Ingredients
 - Collaboration

BioTrade Ingredients

- Ingredients identified by local and international companies and local and internationalist specialists
- Screened for suitability
- Exchange of information, in both directions, “*push and pull*”

Native Biodiversity

- Current Situation
 - Products not known or less well known
 - Some further advanced with documentation
 - Others - more research and development and documentation needed
 - Differentiation with BioTrade verification
 - **Existing** and **new** ingredients for cosmetics

BioTrade Ingredients

- Range of ingredients:
 - Vegetable oils
 - Essential oils
 - Other plant extracts – fruits, vegetables
- Formulation opportunities/needs
- Regulatory requirements

Natural Colours

- Genipa americana extract
 - Derived from *Genipa americana*
 - A fruit from the Amazon
 - Traditionally used as temporary tattoo by indigenous people in Amazon
 - Also used in food products

Genipa americana

- Active compound is Genipin
- Reported to have anti-inflammatory properties
- Also found in Gardenia extracts
- Colours obtained range from Blue to Black
- Water soluble
- Available in UK as temporary tattoo product
- EU Cosmetics Directive and Colours

Sacha Inchi Oil

- Vegetable oil extracted from *Plukenetia volubilis*
- Becoming known in Europe
- Raw material availability \leftrightarrow BioTrade

Bolivia

- Cupuassu Butter
 - Known in Europe for use in cosmetics
 - Supplied by communities in Bolivian Amazon
 - Differentiation with BioTrade?

Colombia

- Jacaranda caucana (*“Guandalay”*)
 - Native plant, wild collected, from Colombia
 - Traditional use is **anti-bacterial**
 - Available as spray dried or liquid extract
 - Possible use as natural preservative or for blemished skin??
 - Formulation requirements
 - Regulatory requirements

Colombia

- *Petiveria alliacea* (Anamu)
 - Native plant, wild collected, from Colombia
 - Traditional use is **anti-inflammatory**
 - Available all year round
 - Available as spray dried or liquid extract
 - Possible use as soothing ingredient??
 - Formulation requirements
 - Regulatory requirements

Uganda

- Ugandan Shea Butter
 - A variety of the well known *Butyrospermum parkii* (West Africa)
 - Softer texture compared to shea butter from West Africa
 - Extracted in Uganda
 - Existing ingredient for cosmetics with a degree of novelty