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TOPIC(s) : Life cycle and environmental assessment / Networking and education

Collaborative projects to develop sustainable ingredients for food and cosmetic industry

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## PURPOSE OF THE ABSTRACT

People are more and more conscient of their consumption and asking for safe, natural, social and eco responsible products.

PASS Pôle has follow their members developping tools in collaborative projects involving competitors and parteners to mesure the impact of fragrancy and flavour industry to respond to this challenge, optimizing their material and process.

These tools are developped by multidisciplinary actors (from fragrancy, cosmetic, food, homecare area), involving industry and academic expertise to assure the deliverables are adapted to the field and reconized by external experts.

Two examples are the Product Lifecycle Analysis (ACV) and Eco Responsible Ingredient (ERI 360°).

A proactive initiative of the industry, who is conscious of their responsibility and impact on natural ressources.

These projects involved about 10 companies among competitors or suppliers and clients, working together to improve their products.

They are completely adapted to extraction and bioprocess technology, taking in count regulation and international referentials like:

- IUCN list
- OMS pesticides classification
- ISO 20 400
- SA 8000
- Social Hotspot DataBase

These collaborative projects allows the professionals to benchmark out of their companies and exchange, even with competitors, keeping confidentiality and company strategy.

## FIGURES



### FIGURE 1

Collaborative project to develop sustainability

When competitors and partners work together to improve their process and materials everyone gains.

This presentation talks about 2 tools developed by a competitiveness cluster and their members to evaluate product lifecycle and eco social performance.

### FIGURE 2

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## KEYWORDS

extraction | collaborative project | product life cycle

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## BIBLIOGRAPHY

IUCN

OMS

AB

ISO 20 400

SA 8000

Social Hotspot DataBase

OHB

ISO 16 128

l'OCDE 301b

Regulation CLP

ISO 9 001, ISO 14001, ISO 50 001

Regulation OIT