



# Trends in the evaluation field for today's challenges of the beauty industry?

April 6th 2023

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BOOST YOUR TEST SPONSORS



# List of exhibitors

## Clinical testing

Ainia  
Aitex  
Atlantica Clinical Trials  
Ayton  
Essex Testing Clinic  
IFP Suisse  
IRA  
**Imasens**  
Inovapotek  
Kind to Biome  
myBrainTechnologies  
**PhD Trials**  
PCR  
Sequential Bio  
SGS Institut Fresenius  
**SGS proderm**  
Transderma Systems  
**Validated Claims Support**

## Preclinical testing

Advanced Isotopic Analysis  
ADSL  
**AOP**  
AntalGenics  
**Biofilm Control**  
**Bionos Biotech**  
Biomeca  
CTIBiotech  
Dermatest  
D.I.V.A Expertise  
DNA Gensee  
Genoscreen  
Greenpharma  
Gentronix  
**Glycodiag**  
**Helioscreen**  
Helioscience  
Invitrotecnica  
LabAnalysis  
MyMicrobiome  
Netri  
Neuron Experts  
**Oxiproteomics**  
**Phylogene**  
Phytocontrol  
Qima Lifescience  
Revivo Biosystems  
SP Labs / IVIS Labs  
**StratiCell**  
Tox Tool  
Vedeqsa  
**Zurko Research**

## Preclinical & Clinical testing

**Abich**  
BITC  
**BIO BASIC Europe**  
Cliantha Research  
**Complife**  
**Dermaclaim**  
Dermapro  
**Dr. Goya Analisis**  
**Ellead**  
Florida Skincare Testing  
**Kosmoscience**  
Eurofins  
**Intertek**  
**Mérieux Nutrisciences**  
Monasterium Laboratory  
QACS  
SGS IDEA Tests

## Instrumentation & Data Analysis

ADAT  
BIOMECA  
**BIOX SYSTEM**  
**BOSSA NOVA**  
**DIA-STRON**  
CANFIELD  
**C+K**  
Delfin  
**EOTECH**  
**Starlab**  
**MAVIG**  
**MIRAVEX**  
**My Brain technologies**  
**ORION Concept**  
**PIXIENCE**  
**NEWTONE Technologies**  
RIVERD

Our apologies in advance for the ones we may have missed!



Skin, Hair, Nails Testing Platforms

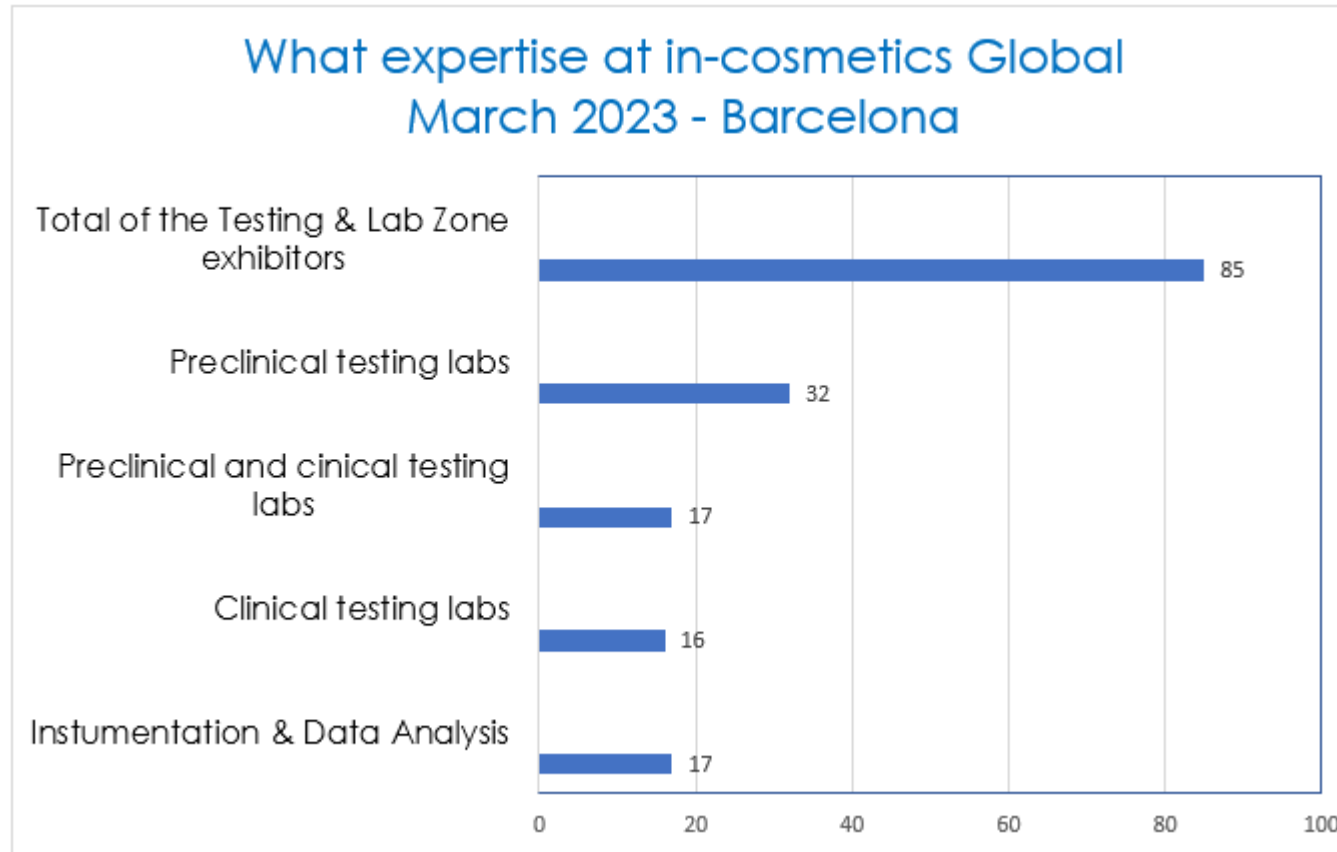
## BOOST YOUR TEST SPONSORS



# Testing & Lab Zone

## Distribution per activity

in-cosmetics®  
global

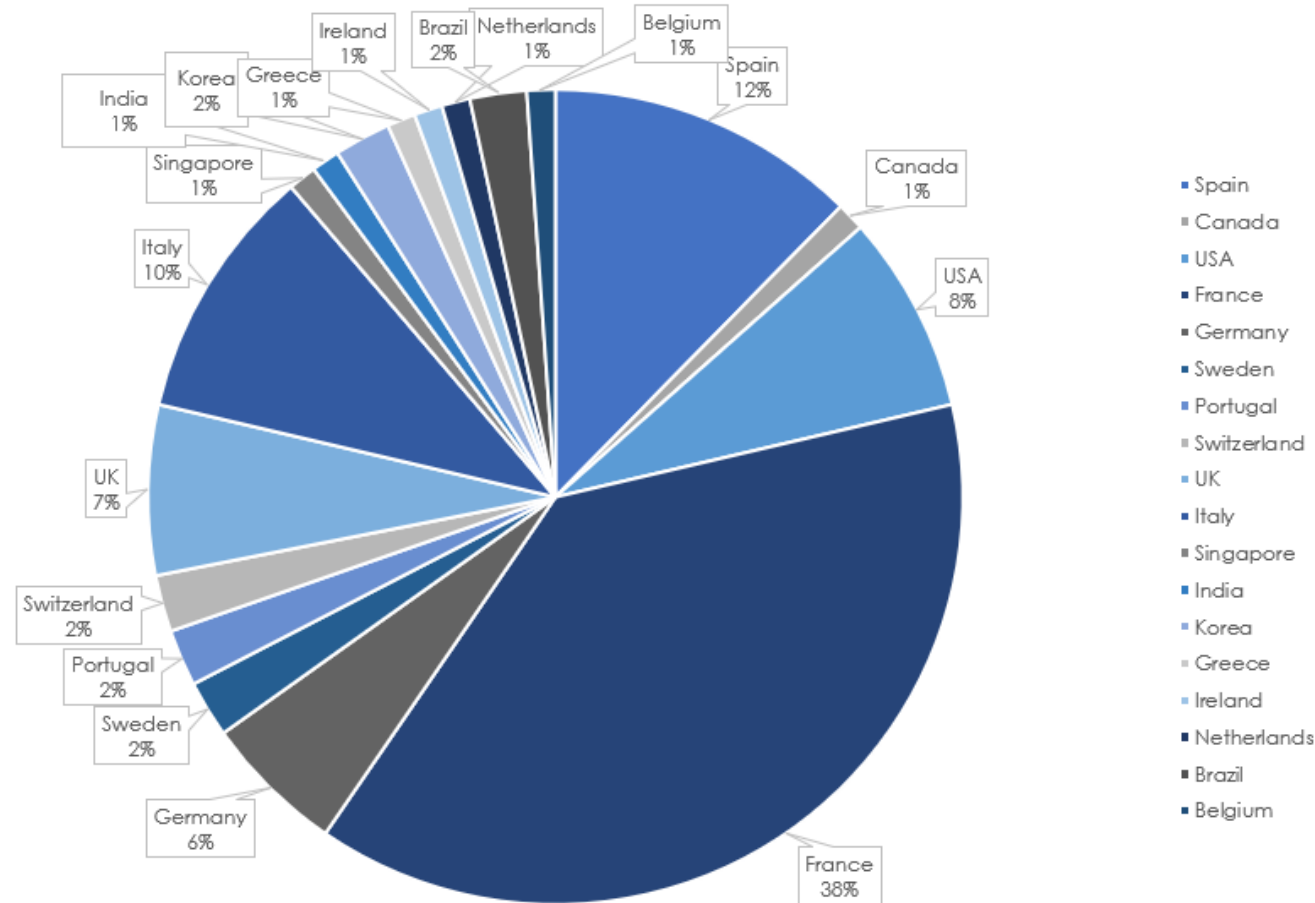


11,000  
attendees  
900  
Booths

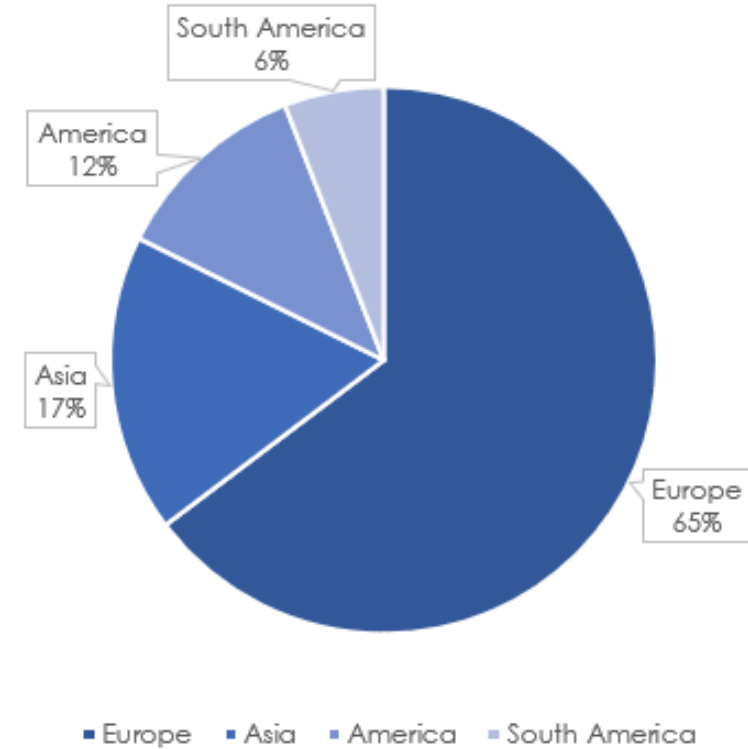
\* Including the exhibitors of other zones on the show

# Testing & Lab Zone Distribution per territory

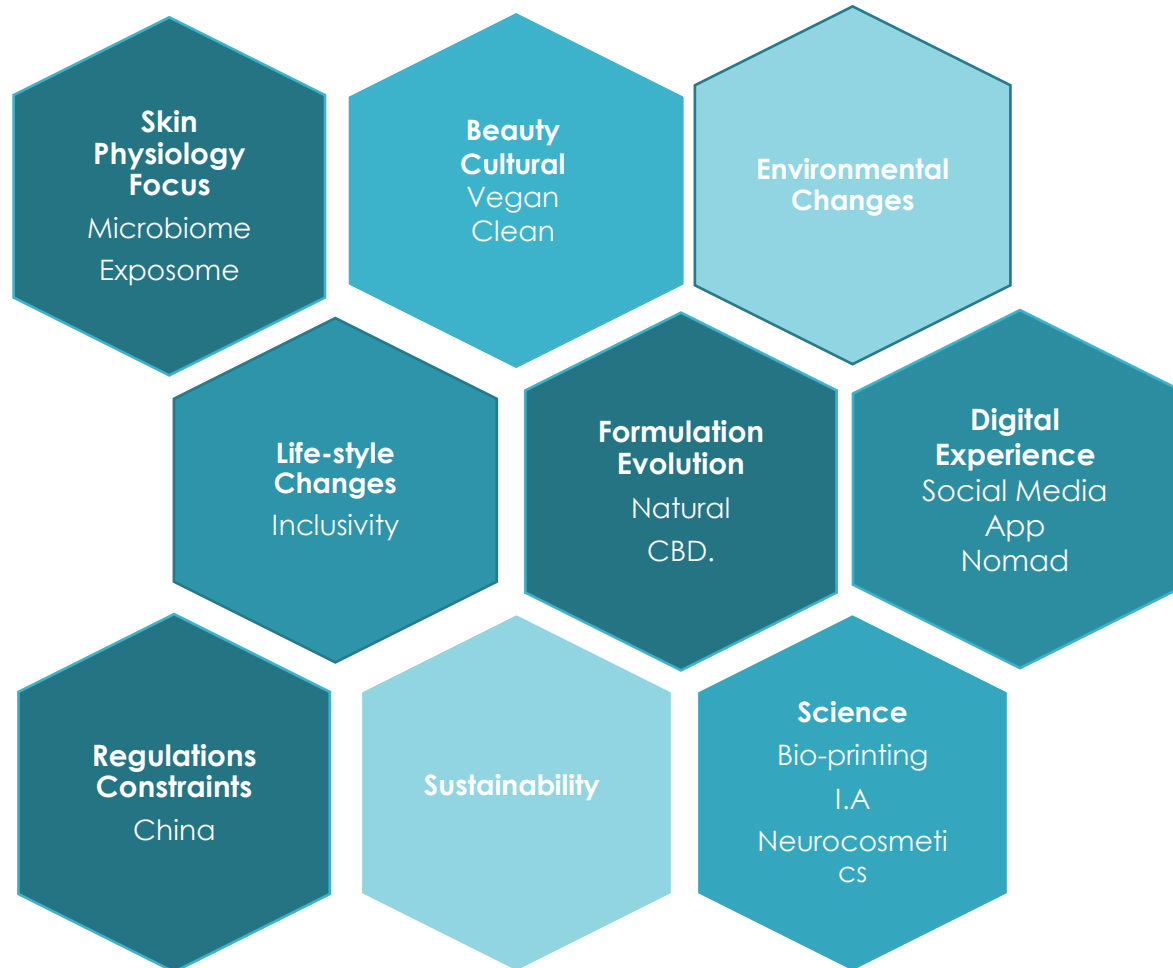
Where are the Testing Laboratories coming from?



Distribution per continent



# Context of evaluation projects



Skin Ecosystem  
Interconnectivity  
for the Testing Sector

# Table of content

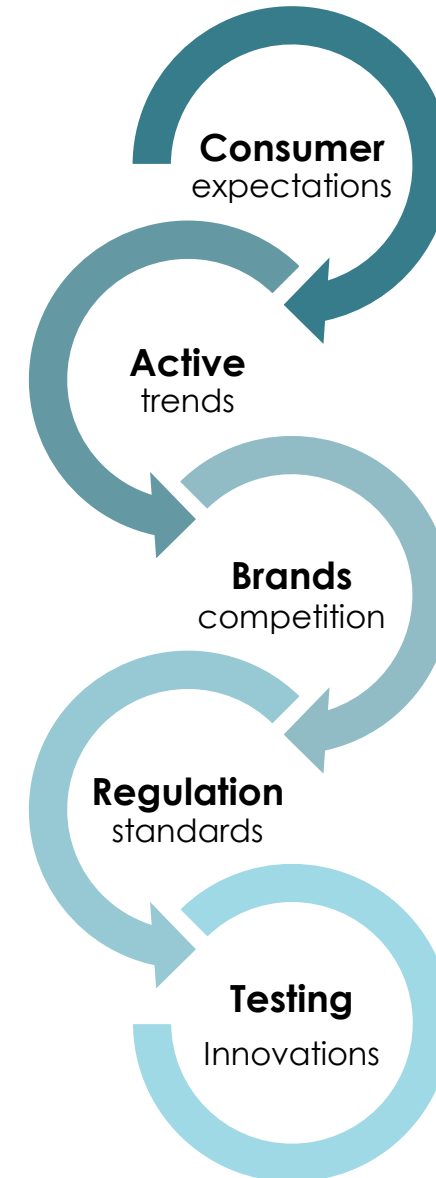
#1 Clean Beauty & Sustainability

#2 Well-being & skin structure

#3 Immunity & skin defenses

#4 Haircare & skinification

#5 Miscellaneous



# #1

## Clean Beauty & Sustainability

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- Biodegradable

Packaging  
**Recycling**  
Upcycling

- Eco-friendly

**Ecotoxicity**  
Life cycle  
**Carbon footprint**

- Natural

Endocrine disruptors  
**Traceability** Allergens

- Vegan

Labels  
**Animal friendly**



# #1 Sustainability & eco-responsability

Examples of CROs among other...



• Packaging

Content-Container interaction  
Biodegradability

17 Tests  
20 CROs

• Ecotoxicology



Nano materials – UV filters

6 Tests  
33 CROs

New!

• Vegan testing



Challenges, Safety or efficacy tests



• Cycle of life

Full analysis of the product cycle impact

New!

• Traceability

DNA analysis of ingredients

27 Tests  
20 CROs





# #1 Clean Beauty

Examples of CROs among other...

Silico | tubo | vitro | vivo

|  
Swabbing  
And  
Stripping  
|



- allergens

Molecules analysis | 57 allergens

- endocrine disruptors

Estrogenic | Androgenic | Thyroidal



- microbiome friendly

Label or not label!

QPCR | genomic | Proteomics

Microbial strains adhesion

New! patch and analysis

11  
Tests  
24  
CROs



- skin absorption

Franz cells | 3D models

OECD 428

4  
Tests  
34  
CROs



Skin, Hair, Nails Testing Platforms

## #2

# Well-being & skin structure

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- Neurocosmetics
- Exposome
- Sebum & prone to acne skin
- Sun protection



# #2 Neurocosmetics & Sensory Analysis

Examples of CROs among other...

Positive routine    Sleep  
Mood Feel-good  
Anti-stress    Holistic  
Emotions



New!

- Emossome | Skin-brain link

Facial expression |  
Eye movement |  
Electromyography  
...



- Multi-criteria analysis of the perception and feeling

#1 Physiological evaluation:  
heart rate, conductance...



#2 Behavioral: facial expression  
and gestures....



- Emospin

#3 Physiological evaluation:  
heart rate, conductance...



- Sensory analysis with expert or naïve panels



New!

- Brain connections studies



Skin, Hair, Nails Testing Platforms



# #2 Exposome

Examples of CROs among other...



- Sensitive 3D skin models



- Ageing-altered 3D skin models



- Adiposis organoids



New!



- Oxidation cell assays | Proteomic pollution index



New!

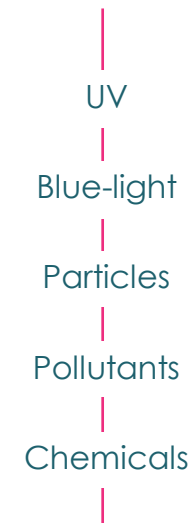


- Neurons skin models | microfluidic



- Pollution chamber

Scenescence multifunctionality  
 hydration antioxidant  
 barrier function pollution



Exposome: individual & life - from solar exposure, air pollution and hormones, to nutrition and psychological factors, Genetics and epigenetics elucidate how our health can be impacted by these factors. The global anti-ageing cosmetics products market was valued at \$52.4 billion in 2021 according to analysts ReAnIn

# #2 Sebum and prone to acne skin

Examples of CROs among other...



- Sebum control through new receptor
- Sebaceous glands organoids
- Pore size
- Pore pigmentation
- Sebum



Skin, Hair, Nails Testing Platforms

Full face analysis  
Sebumeter  
Skin surface



# #2 Sun protection

Examples of CROs among other...

17  
Tests  
20  
CROs

Silico | tubo | vitro



Doble Plate Method  
Cosmetics Europe Note n°26

- Hybrid method to be validated 23.675
- New in Vitro Sand-resistance method
- Sweat resistance



**Preclinical labs**

HelioScreen  
In Vitro sunscreen testing solutions

LabAnalysis  
HIGH QUALITY CONTROLS

Helioscience  
expertise solaire

**Preclinical & Clinical labs**

intertek  
Total Quality. Assured.

Ellead  
Skin & Bio Research

Grupo kosmo science

CIDP  
NATURALLY INNOVATIVE

ALS

ALLERGISA

eurofins

Bio Basic Europe

dermatest®

COMPLIFE  
SCIENTISTS BEHIND WELLNESS

inovapotek  
PHARMACEUTICAL RESEARCH AND DEVELOPMENT

zurko  
bio research

SGS

ISPE®

DERMA PRO

Abich  
Biological and chemical analysis

**Clinical labs**

PhD Trials®

DERMA CLAIM  
Test & Trust

inovapotek

Mérieux  
NutriSciences

SGS proderm

aitex®  
research & innovation center

Dr. GOYA  
análisis

Bionos  
Testing Efficacy

# #3

## Immunity & skin defenses

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- Immunity & inflammation
- Barrier function
- Firmness



# #2 Immunity & Inflammation

Examples of CROs among other...



- Sensitive skin
- Atopic dermatitis
- Psoriasis

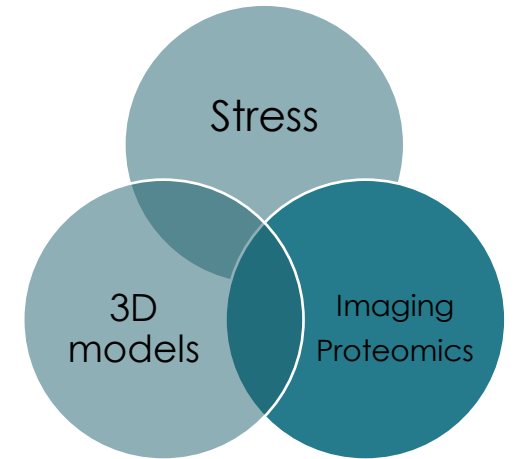
New!

- Skin defenses



Wound healing  
4D tissue model

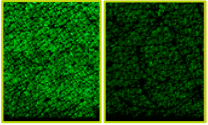
## Anti-itching





# #3 Barrier function & skin conditions

Examples of CROs and methods among other...



- Epsilon Dermalyser



- Antera 3D



- VisioScan



- Photo 2D
- Visia CR



- Full face



- C-Cube



- HeadScan Dynamic Selfie



- ColorFace



- EyelashCam version



# #4

## Haircare

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- in-vitro on organoids
- On human
- Strands & Locks



# #4 Haircare

Healthification & Skinification

Strands | in vivo

Anti-frizz | Bending and abrasion resistance | Fibre Dimension - bending – tensile - torsion | combing - curl | friction – penetration | rinsability - sheen - | structure – surface – volume | Heat Protection - Swelling

Examples of CROs among other...



New!  
 • Micropatterning 3D human hair follicle-like on 96-well plates



• Hair 3D models



• Electron Microscopy



• Mini-surf



• Scalp surface



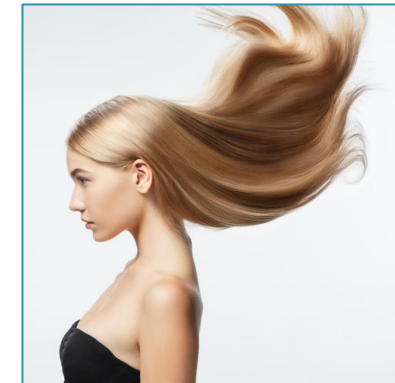
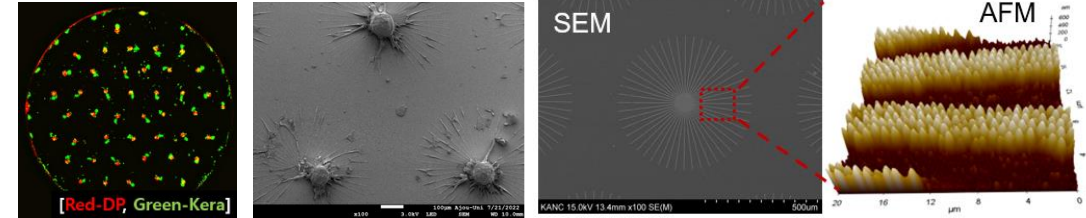
• Raman microscopy



• Combing



Skin, Hair, Nails Testing Platforms



45 Tests  
70 CROs

# #5 Miscellaneous approaches

Examples of CROs among other...



New!

- Data | I.A | Algoritm



- Proprietary algorithms



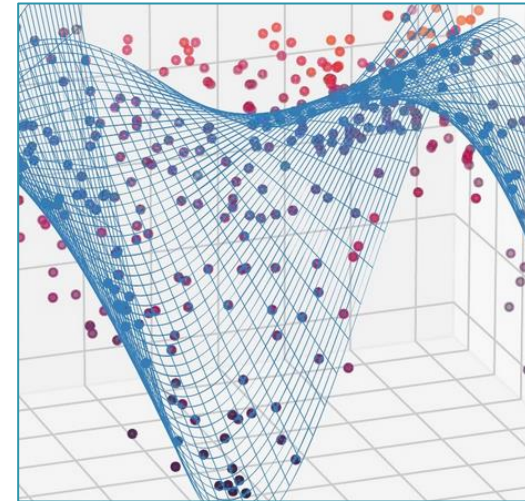
Image and biometric analysis

Data analysis

Proprietary algorithms



- Average face



Skin, Hair, Nails Testing Platforms

# The Skinobs partners



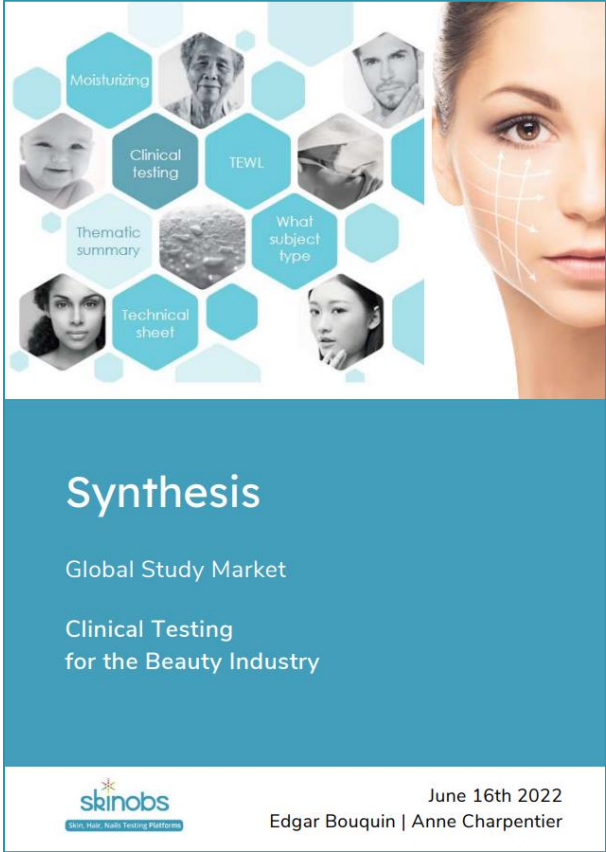
# Skinobs' next events



May 2-3, 2023  
Booth 775



# Skinobs' Global Market Study



Contact Ophélie  
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Thank you for your attention

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