

World Bio Markets 2023
10-11th May
The Hague, NL

TOWARDS SUSTAINABLE BY DESIGN & HIGH PERFORMING COSMETICS INGREDIENTS

L'ORÉAL
RESEARCH
& INNOVATION

Fabien DESWARTE
L'Oréal R&I



AGENDA

01
L'ORÉAL GROUP

03
OUR TRANSFORMATION
APPROACH

05
CONCLUSION

02
L'ORÉAL FOR THE
FUTURE
Our 2030 sustainability programme

04
EXAMPLES OF
PARTNERSHIPS



01
L'ORÉAL
GROUP
WHO WE ARE?

L'ORÉAL
RESEARCH
& INNOVATION

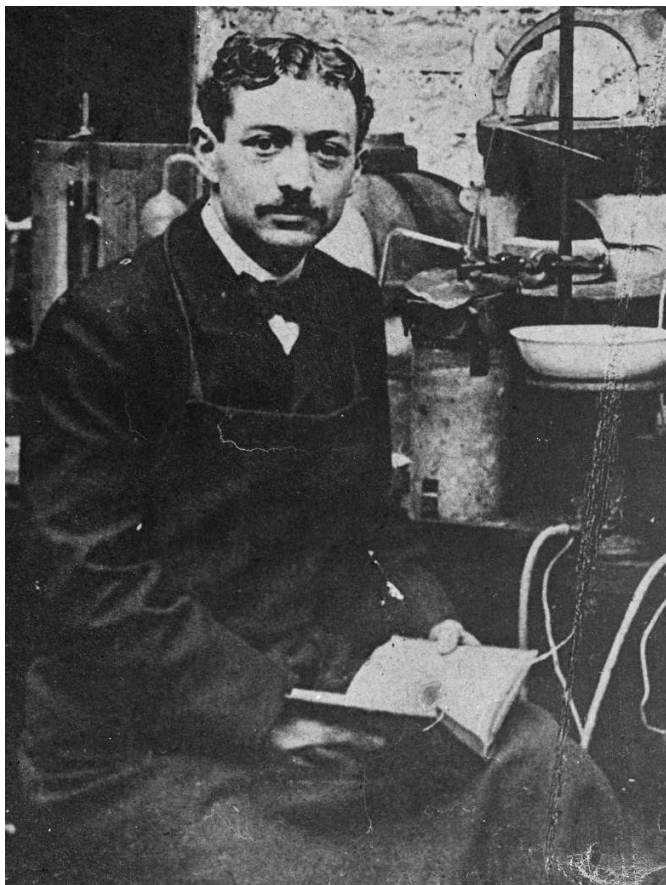
A pure player

in beauty



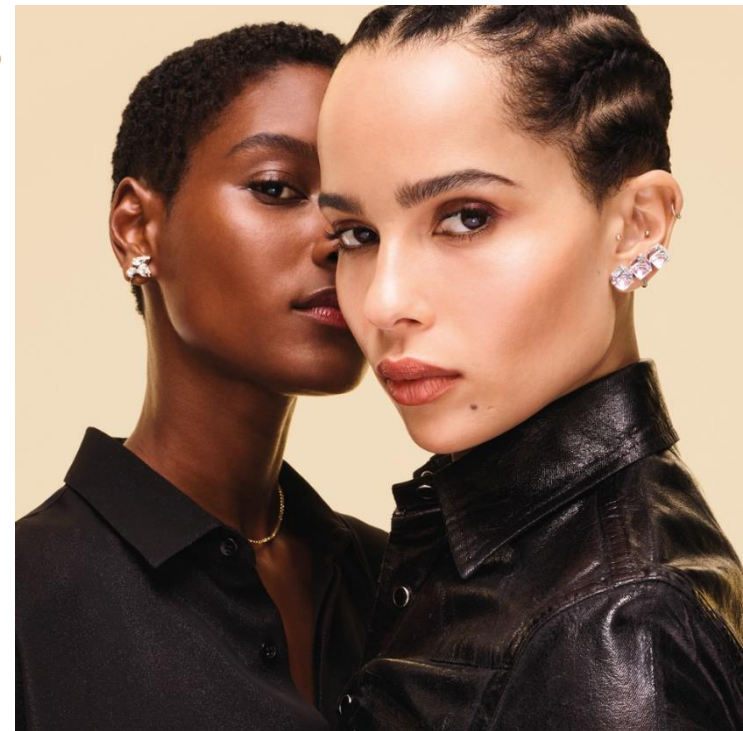
Created

in 1909



No.1 in beauty

worldwide



A portfolio of 36 global & complementary brands

CONSUMER PRODUCTS



L'ORÉAL LUXE



PROFESSIONAL PRODUCTS



DERMATOLOGICAL BEAUTY





02

L'ORÉAL

FOR THE FUTURE

OUR 2030 SUSTAINABILITY PROGRAMME

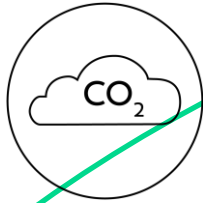
L'ORÉAL

RESEARCH
& INNOVATION

L'OREAL FOR THE FUTURE

RESPECTING THE PLANETARY BOUNDARIES

L'ORÉAL
FOR THE FUTURE



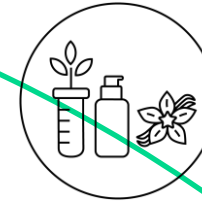
CLIMATE



WATER



BIODIVERSITY



RESOURCES



Include impact of **our own activities**
as well as those of our **suppliers** and
our **consumers**



Holistic, **life cycle-based** approach

L'ORÉAL R&I'S COMMITMENTS

CLIMATE

By 2025, all of our sites will achieve carbon neutrality by improving energy efficiency and using 100% renewable energy.

By 2030, we will innovate to enable our consumers to reduce their greenhouse gas emissions resulting from the use of our products by 25% compared to 2016, on average and per finished product.

By 2030, our strategic suppliers will reduce their direct emissions (scopes 1 and 2), by 50% in absolute terms, compared to 2016.

By 2030, we will reduce by 50% on average and per finished product, the greenhouse gas emissions linked to the transport of our products, compared to 2016.

WATER

By 2030, we will evaluate all our formulas thanks to our environmental test platform, to guarantee they are respectful of all aquatic ecosystems, whether continental or coastal.

By 2030, we will innovate to enable our consumers to reduce by 25% on average and per finished product, the water consumption linked to the use of our products, compared to 2016.

In 2030, 100% of the water used in our industrial processes will be recycled and reused in a loop.

In 2030, all our strategic suppliers will use water sustainably in the areas where they operate.

BIODIVERSITY

By 2030, 100% of the biobased ingredients for formulas and packaging materials will be traceable and will come from sustainable sources, none of them will be linked to deforestation.

By 2030, we will hold flat the total land occupancy vital to the sourcing of our ingredients, compared to 2019.

By 2030, 100% of our industrial sites and all our operated buildings will have a positive impact on biodiversity, compared to 2019.

INCLUSIVE SOCIETY

By 2030, we will help an incremental 100,000 people from disadvantaged communities gain access to employment.

By 2030, 100% of our strategic suppliers' employees will be paid at least a living wage covering their basic needs and those of their dependents, calculated in line with best practices.

By 2030, 3 million people will benefit from our brands' social engagement programs (access to water, access to education and vocational training).

By 2022, the Product Environmental and Social Labelling system will apply to all the Group's rinse-off products.
By 2030, all the Group's products will be eco designed.

RESSOURCES

By 2030, 95% of our ingredients in formula will be biobased, derived from abundant minerals or from circular processes.

By 2030, 100% of the plastics used in our packaging will be either from recycled or biobased sources (we will reach 50% in 2025).
By 2030, we will reduce by 20% in intensity the quantity of packaging used for our products, compared to 2019.

By 2025, 100% of the plastic packaging will be reusable, recyclable or compostable.

By 2025, 100% of our new displays will be eco designed, taking into account circular economy principles for end of life

management, and 100% of our new Free Standing Stores will be designed and built following our sustainability principles.

By 2030, 100% of the waste generated in our sites will be recycled or reused.

GREEN SCIENCES

4 MAIN EXPERTISES



**SUSTAINABLE
CULTIVATION**



**GREEN
EXTRACTION**



**GREEN
CHEMISTRY**



**BIOTECH &
FERMENTATION**

A petri dish containing a green, fuzzy microbial culture, held by a gloved hand. The background is blurred green foliage. The text '03 OUR TRANSFORMATION APPROACH' is overlaid on the left side of the image.

03

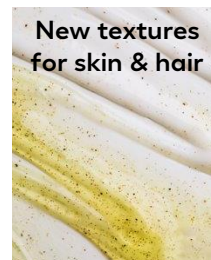
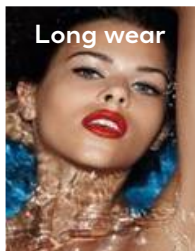
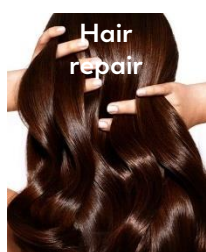
OUR TRANSFORMATION
APPROACH

A 3-FOLD APPROACH

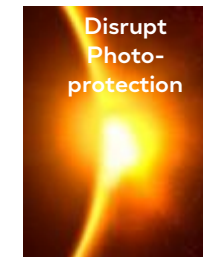
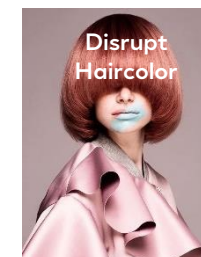
#1 DEVELOP GREEN ALTERNATIVES

- Sustainable solvents
- Sustainable polymers
- Green biological actives
- ...

#2 REINVENT PERFORMANCE ENGINES



#3 DISRUPT IN NEW INNOVATION TERRITORIES



LEVERAGING AN ECOSYSTEM OF EXTERNAL PARTNERS

EXISTING SUPPLIERS

NEW INDUSTRIAL PARTNERS

START-UPS, SMEs

NETWORKS, INVESTORS, ETC



04
EXAMPLES OF
PARTNERSHIPS

PARTNERING WITH LONG-STANDING SUPPLIERS

VITAMIN C

APPLICATION



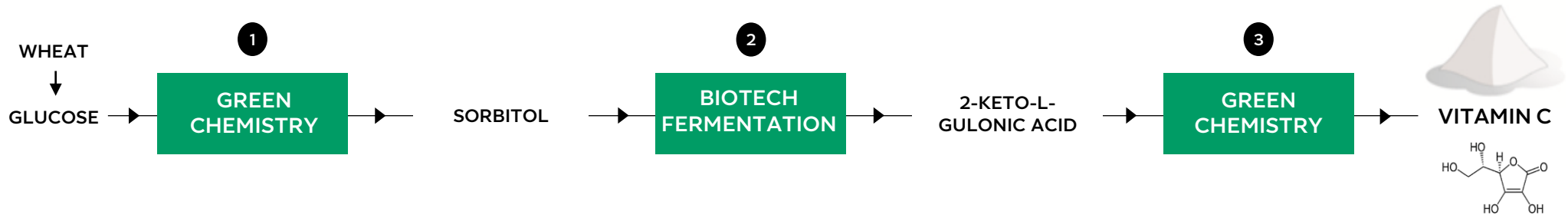
PARTNER



IMPACT

Ressources **Process**



PARTNERING WITH FORWARD THINKING START-UPS

ISODODECANE

APPLICATION



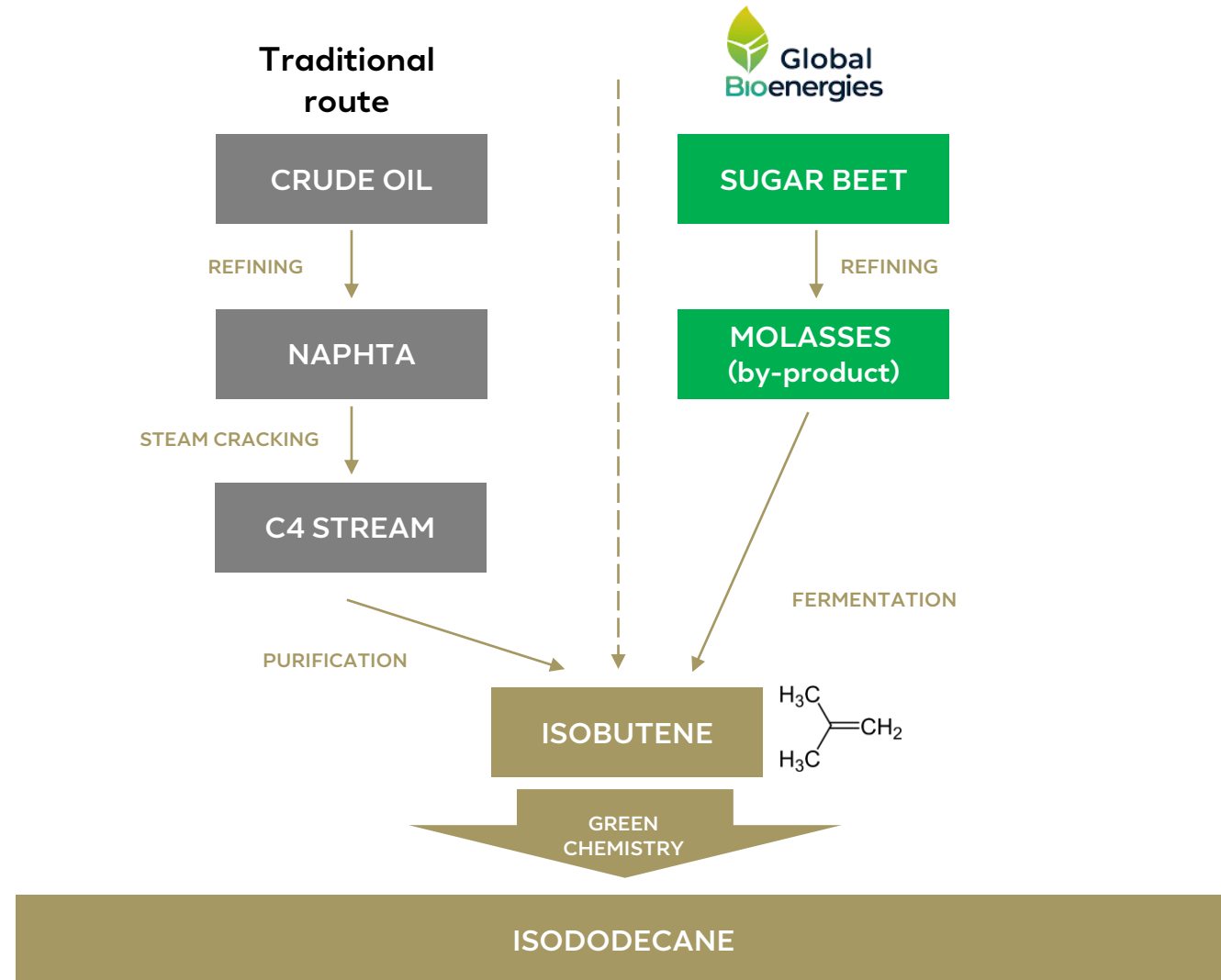
PARTNER



IMPACT



Ressources **Process**



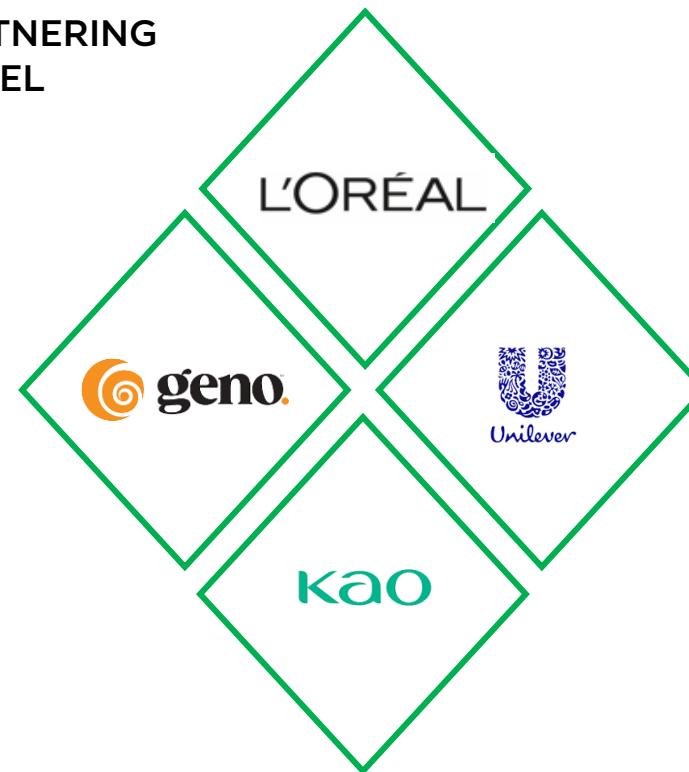
JOINING MULTI-PARTNER VENTURES

SURFACTANTS

PRIMARY APPLICATION



PARTNERING MODEL




PARTNERING WITH BEST-IN-CLASS ACADEMICS

POLYMERS

APPLICATION



PARTNER

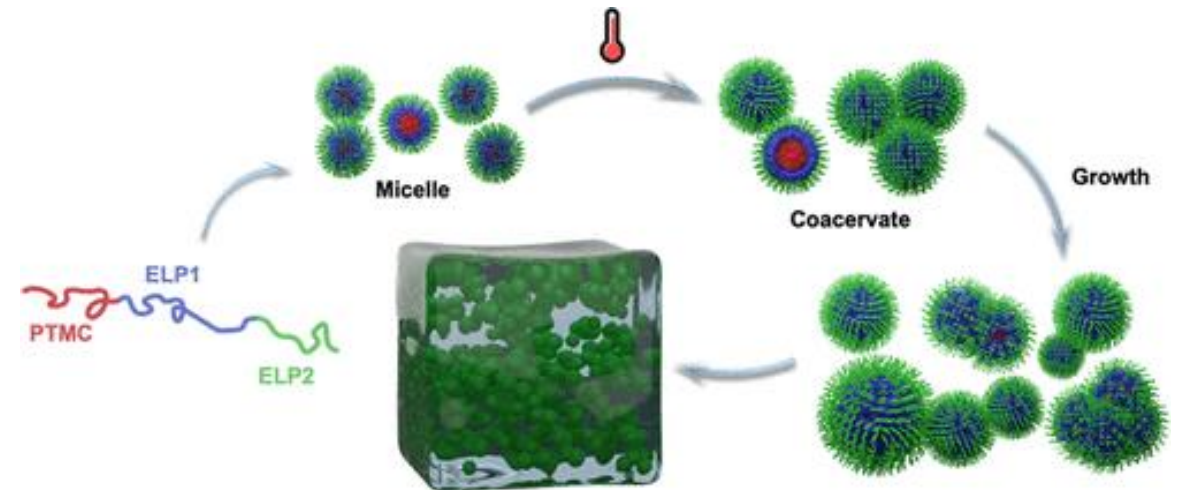


IMPACT

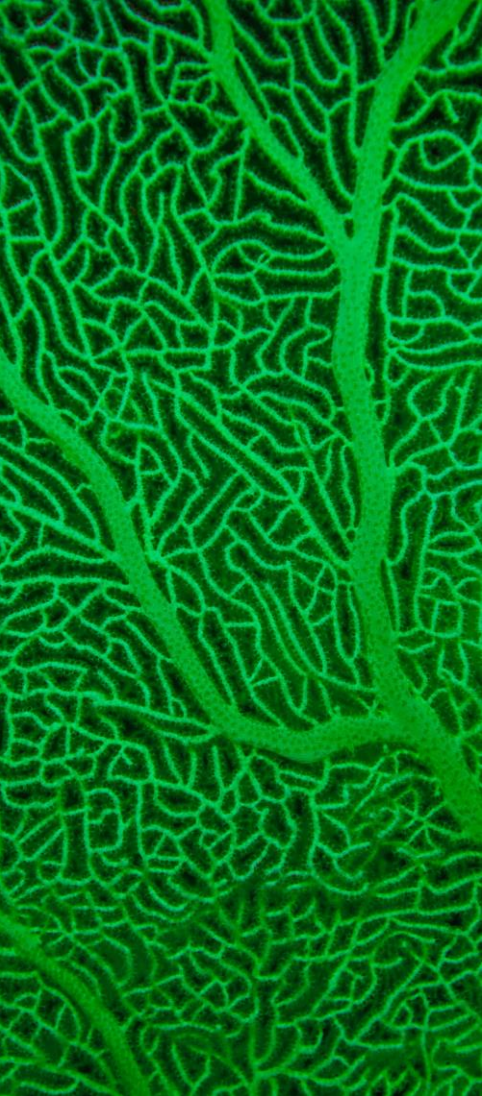
Ressources **Water**



Process



M. Dai et al. Macromolecules 54, 327 (2021)
M. Dai et al. Biomacromolecules 22, 4956 (2021)



- Very ambitious sustainability commitments
- Consumers expectations are very high
- Green Sciences have a key role to play
- Partnering and developing new ways of working with external partners is crucial



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THANK YOU

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