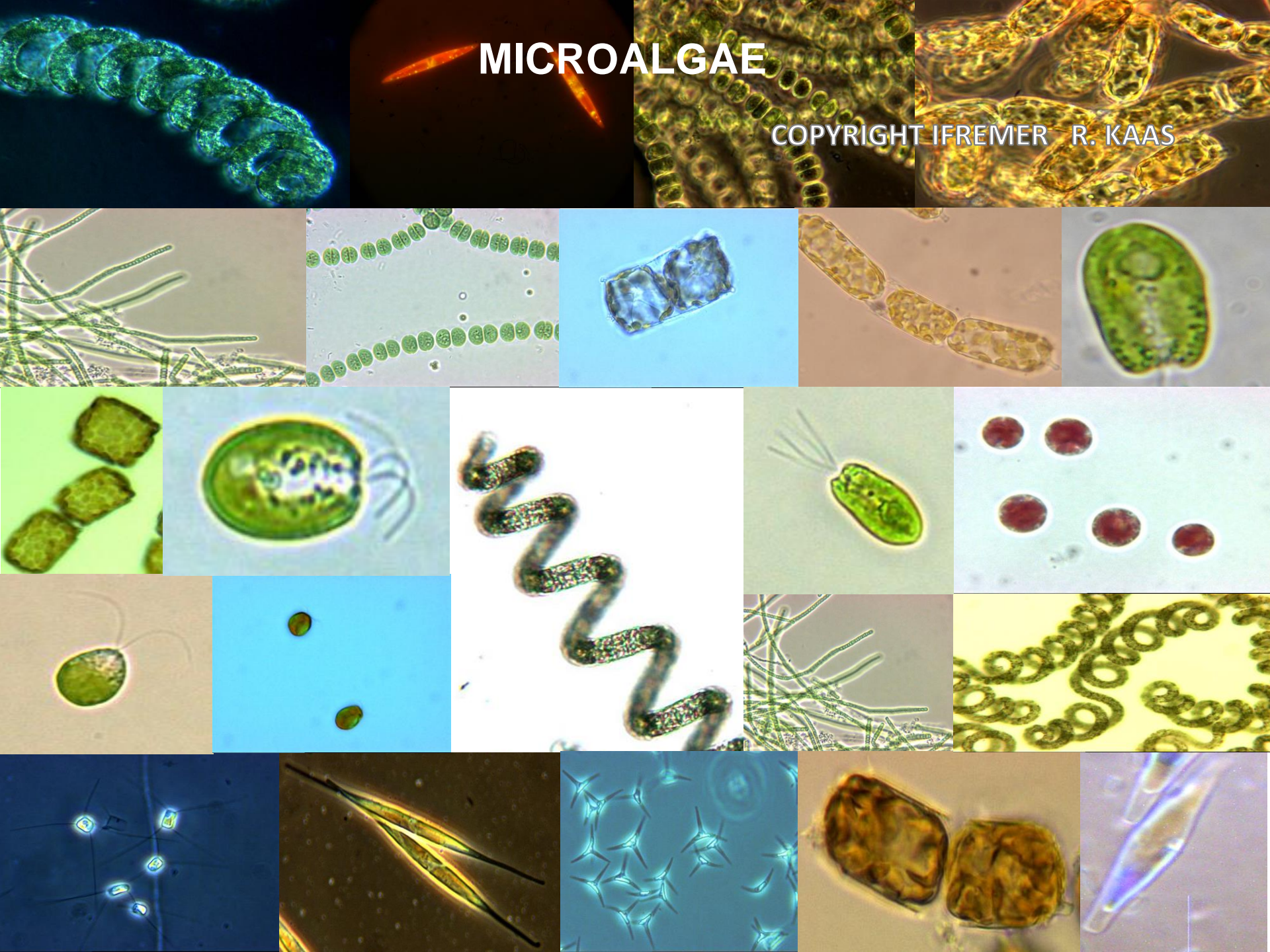


How the ERA-MBT roadmap supports processes and products



MICROALGAE

COPYRIGHT IFREMER R. KAAS



MACROALGAE

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Applications

Human nutrition

Spiruline
Diatom
Chlorella



Animal nutrition

Oysters
Fishes
Crustaceans
Poultry
Porcs



Nutraceuticals

PUFAs
DHA, EPA, AA



Cosmetics

Skinn care
Hair cares



Health

Antiradicals
Exopolysaccharids
Antiproliferatives
Antivirals
Cell factory



Industry

Colors
Enzymes
Adhesives
Filtration



Energy

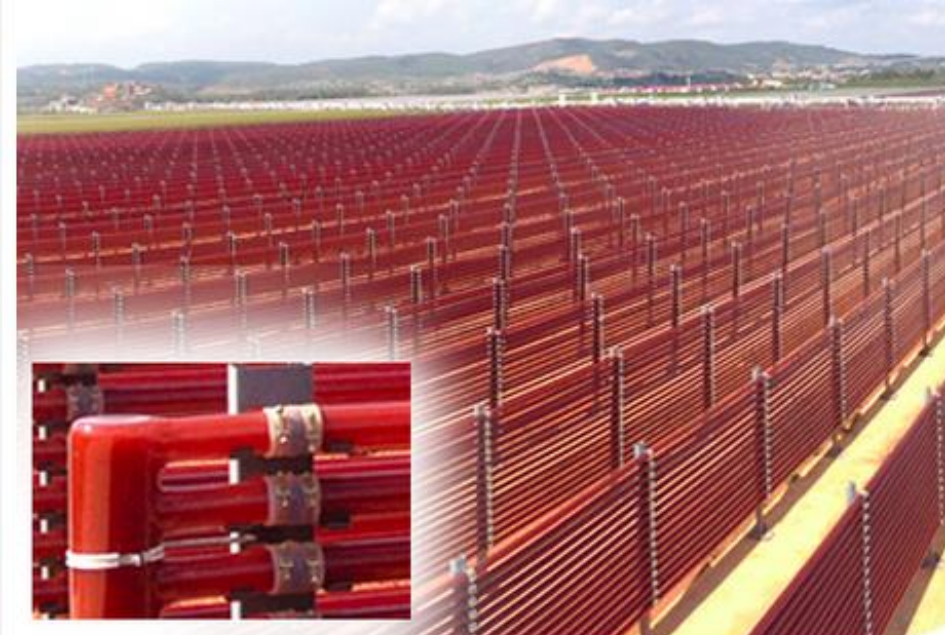
Hydrogen
Biodiesel
Biogaz



Environment

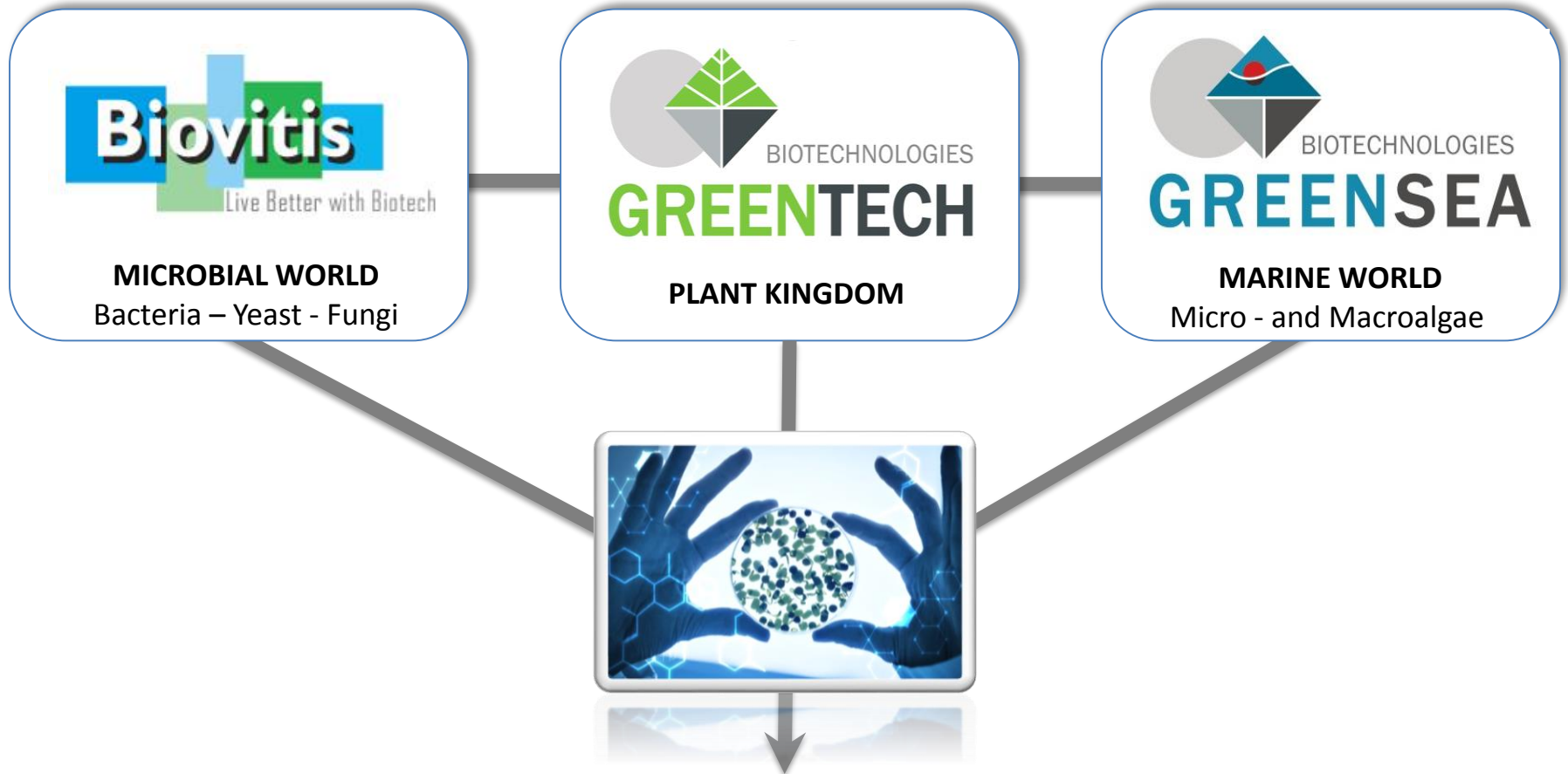
Carbon capture
Depollution
Remediation





GREENTECH BIOTECHNOLOGIES

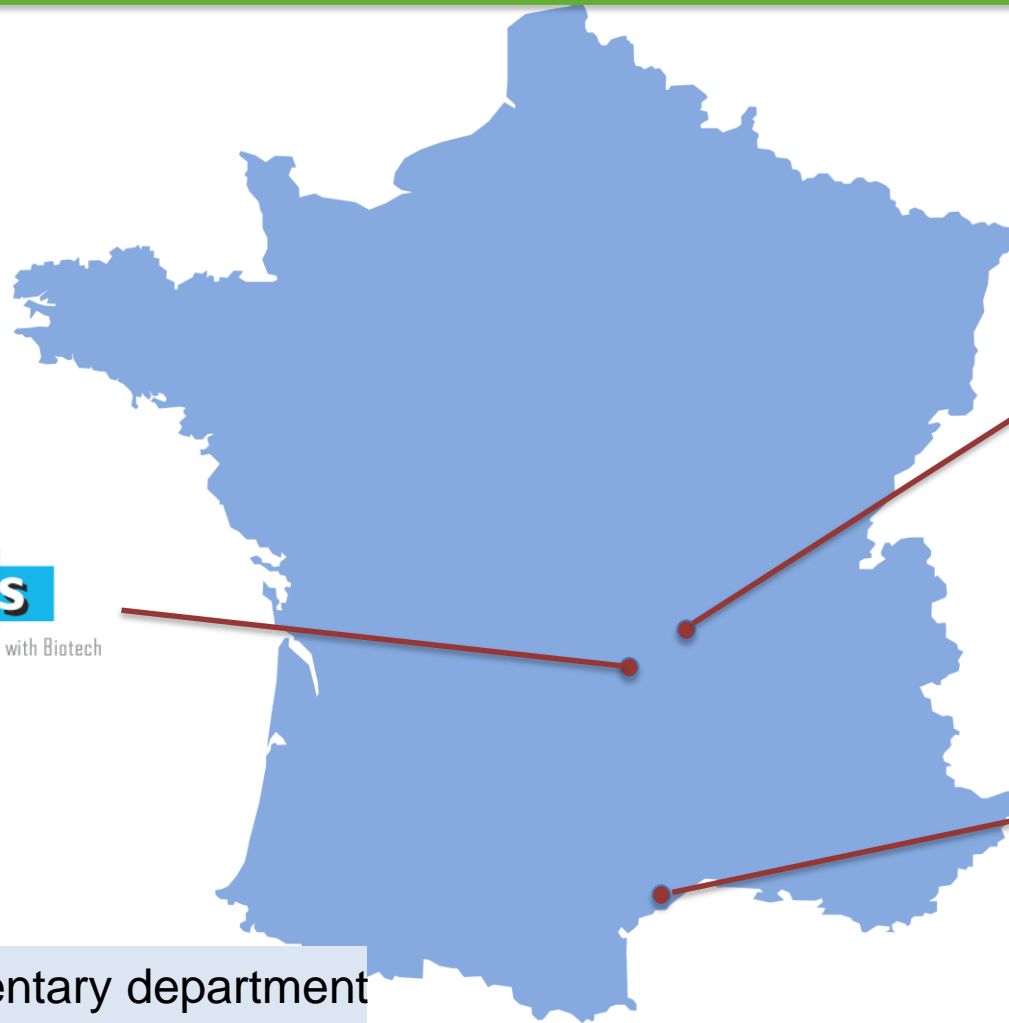
A SYNERGY of companies dedicated to natural active ingredients



Countless opportunities for Natural active ingredient
development

Our group

110 people
TU = 25 Millions



- A sales force
- A quality and reglementary department
- A weight in Reasearch & development
- A global synergy





A choice of strategy

Integrated in House development: From the algae to the product

Intensive et qualitative - vs - Extensive et quantitative

Extensive et quantitative : Alliances at the euroupean level

An important R&D activity

150 strains precisely choose



A choice of strategy

Human nutrition

Spiruline
Diatom
Chlorella



Animal nutrition

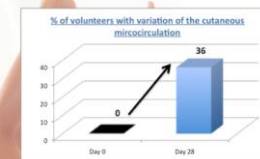
Oysters
Fishes
Crustaceans
Poultry
Porcs



Cosmetics



SILIDINE® - Clinical Study Doppler effect evaluation



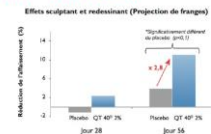
SILIDINE® 1% (powder form) improves the vascular tonicity and helps to decrease heavy legs syndrome



TESTS IN VIVO - Evaluation clinique

Projection de franges : Remodelage de l'ovale du visage

- Réduction du relâchement



Pigments

Medical
Food coloration
Cosmetics



Health

Antiradicals
Exopolysaccharids
Antiproliferatives
Antivirals
Cell factory



Industry

Colors
Enzymes
Adhesives
Filtration



Produits phares en cosmétique



SILIDINE®

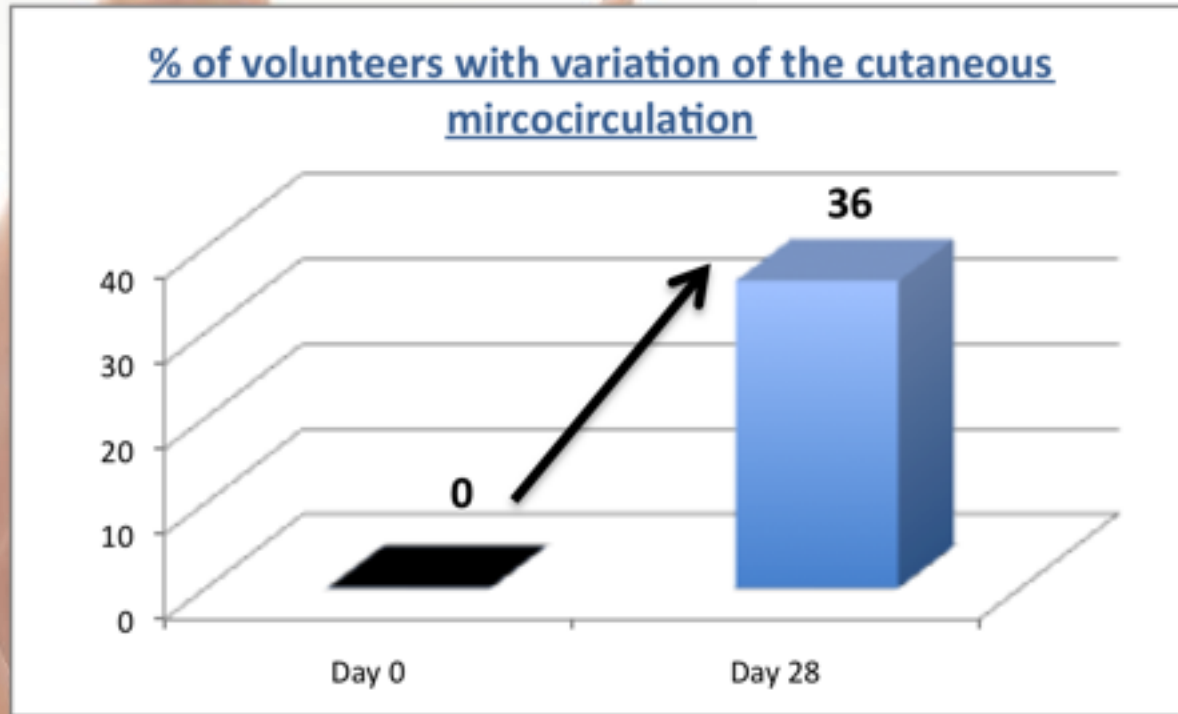
Vascular tonicity
enhancement



Marine Bioactives

Jean-Paul Cadore **GREENTECH**
actually

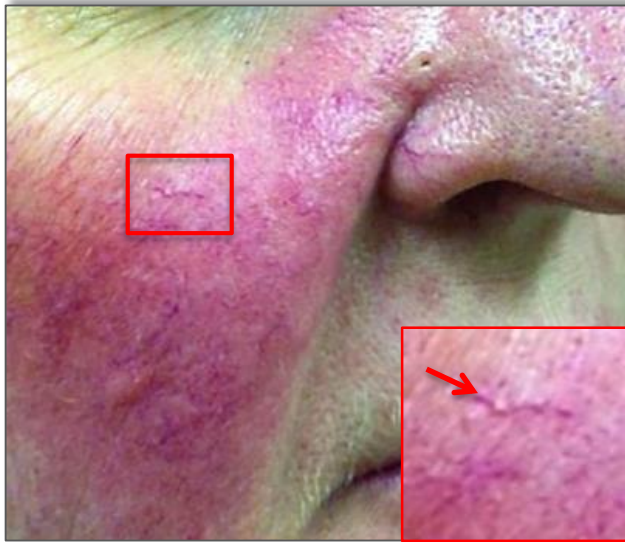
SILIDINE® - Clinical Study Doppler effect evaluation



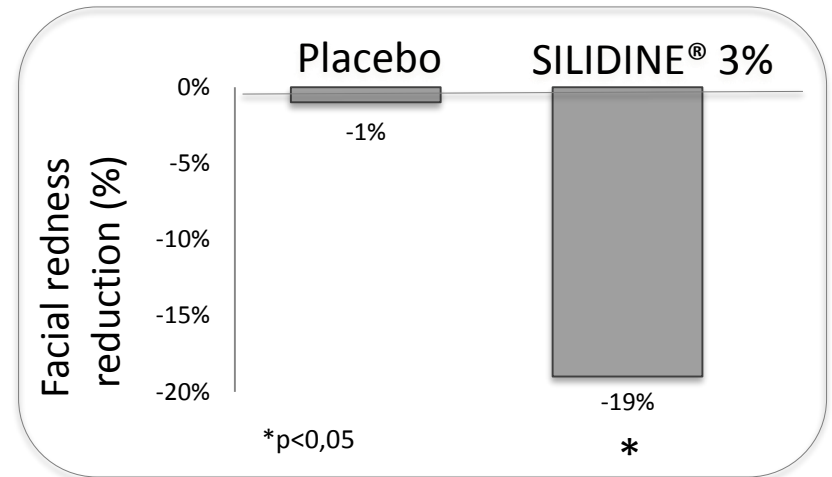
SILIDINE® 1% (powder form) improves the vascular tonicity and helps to decrease heavy legs syndrome

P. cruentum subjected to oxidative stress: an innovative cosmetic active for vascular tonicity enhancement

INCI Name SILIDINE®: Water, *Porphyridium cruentum* exsuded culture medium



SILIDINE® 3% tested on volunteers with rosacea



Common inflammatory facial dermatoses

Chronic condition

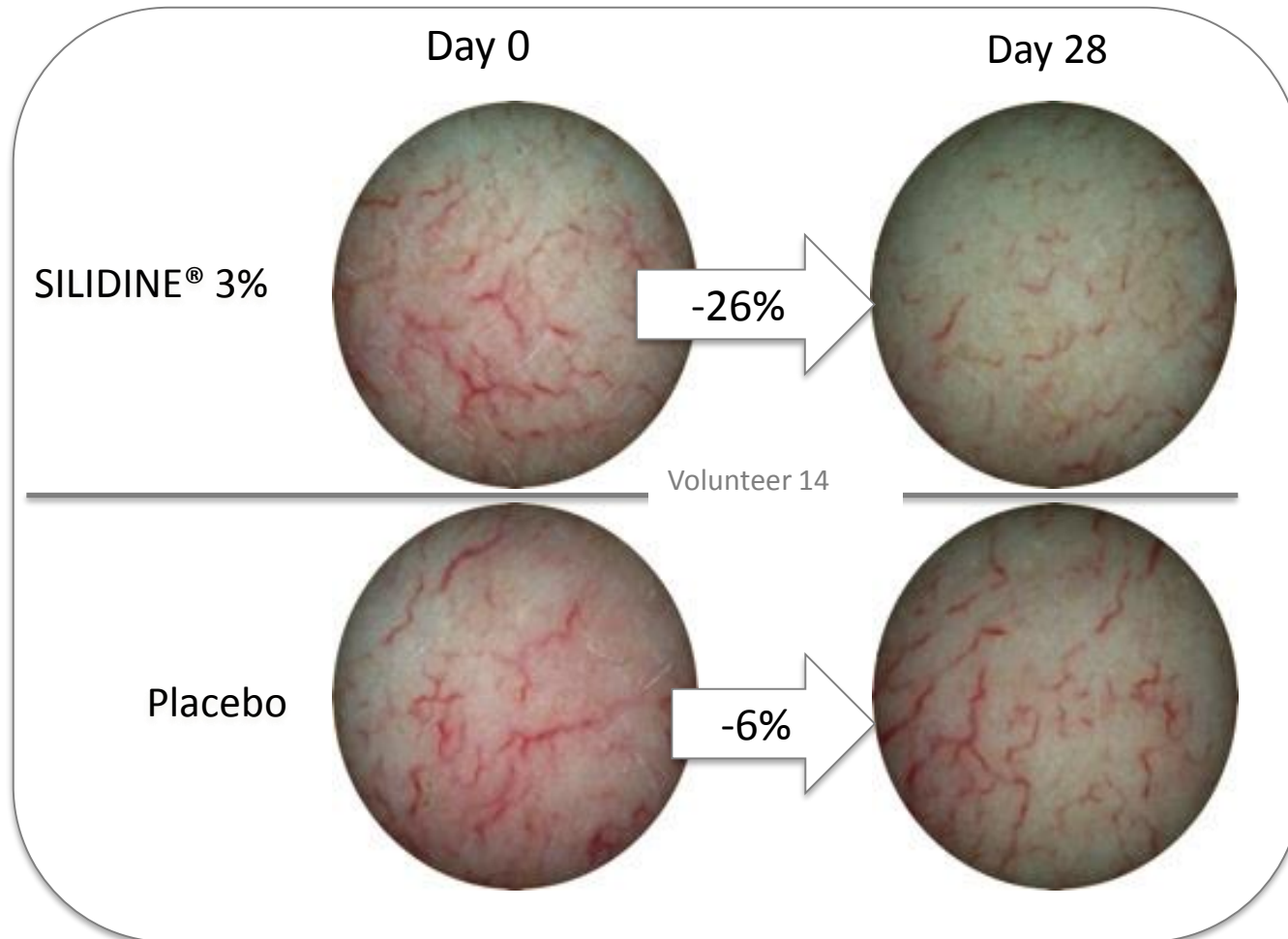
Facial erythema

Excessive vasodilatation

Affects 45 million people worldwide!

Silidine® significantly decreases by 19% facial redness

Decrease in facial redness of the volunteers after 28 days of twice daily-use of the two formulations





6TH CONGRESS OF THE INTERNATIONAL SOCIETY FOR APPLIED PHYCOLOGY

LA CITÉ NANTES EVENTS CENTER 18TH TO 23RD
NANTES FRANCE JUNE 2017



Organized by





BIOTECHNOLOGIES
GREENTECH

