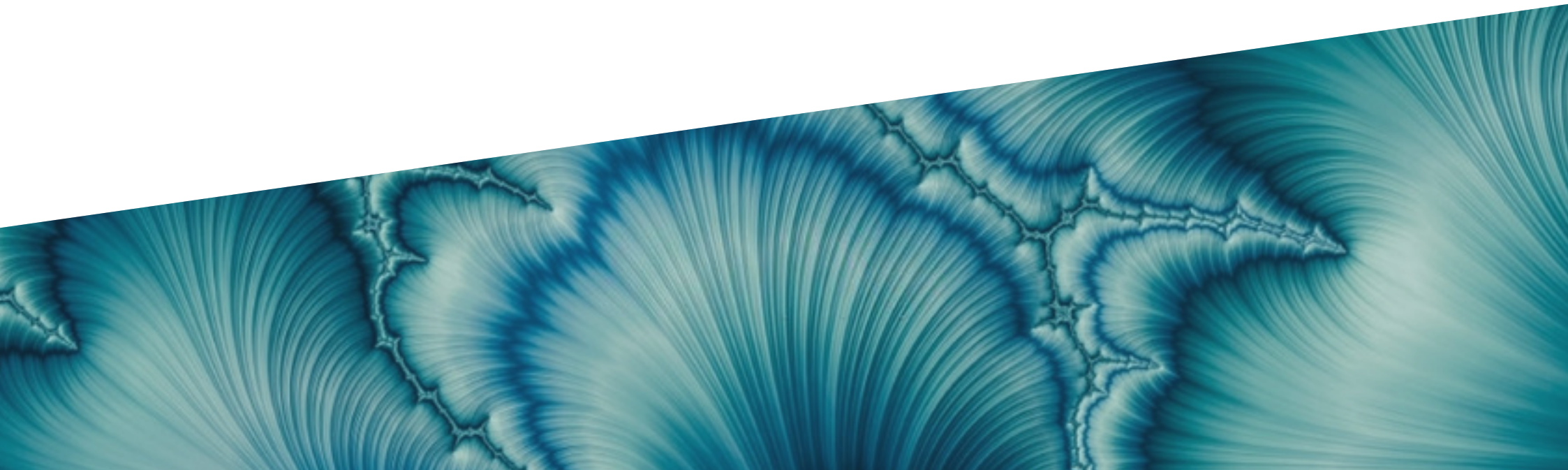


SEQENS

OUR SCIENCE FOR YOUR FUTURE

Biotechnologies

Specialty Enzymes and High-Value Active Molecules
Partnership R&D Organization



CO-DEVELOPMENT & TAILOR-MADE SOLUTIONS

TECHNOLOGIES

Biocatalysis

Biotransformation & Bioconversion

Synthetic Biology

Genetic & Metabolic Engineering

Precision Fermentation

Microbiology

Isolation
Adaptative evolution

PRODUCTS

Specialty Enzymes

Natural or Optimized

High-Value Active Molecules

Bioactive Proteins & Peptides
Polysaccharides, Oligosaccharides,
Pigments, Vitamins and other
Metabolites

Microorganisms

Natural or Evolved (In)active strain,
supernatant, cell extract

MARKETS

Flavors & Fragrances

Development of fully enzymatic
pathways for natural label

Cosmetics

Development of sustainable
processes and high-value
bio-sourced active molecules

Pharmaceuticals or Health

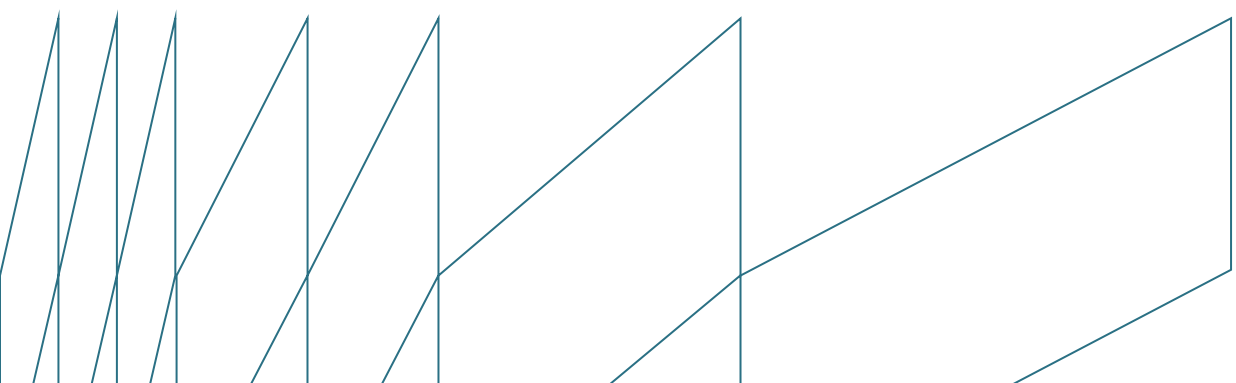
Development of enzymes for
asymmetric synthesis and chiral
resolution for pre-GMP or GMP
ton-scale manufacturing, bioactive
proteins & peptides

Food

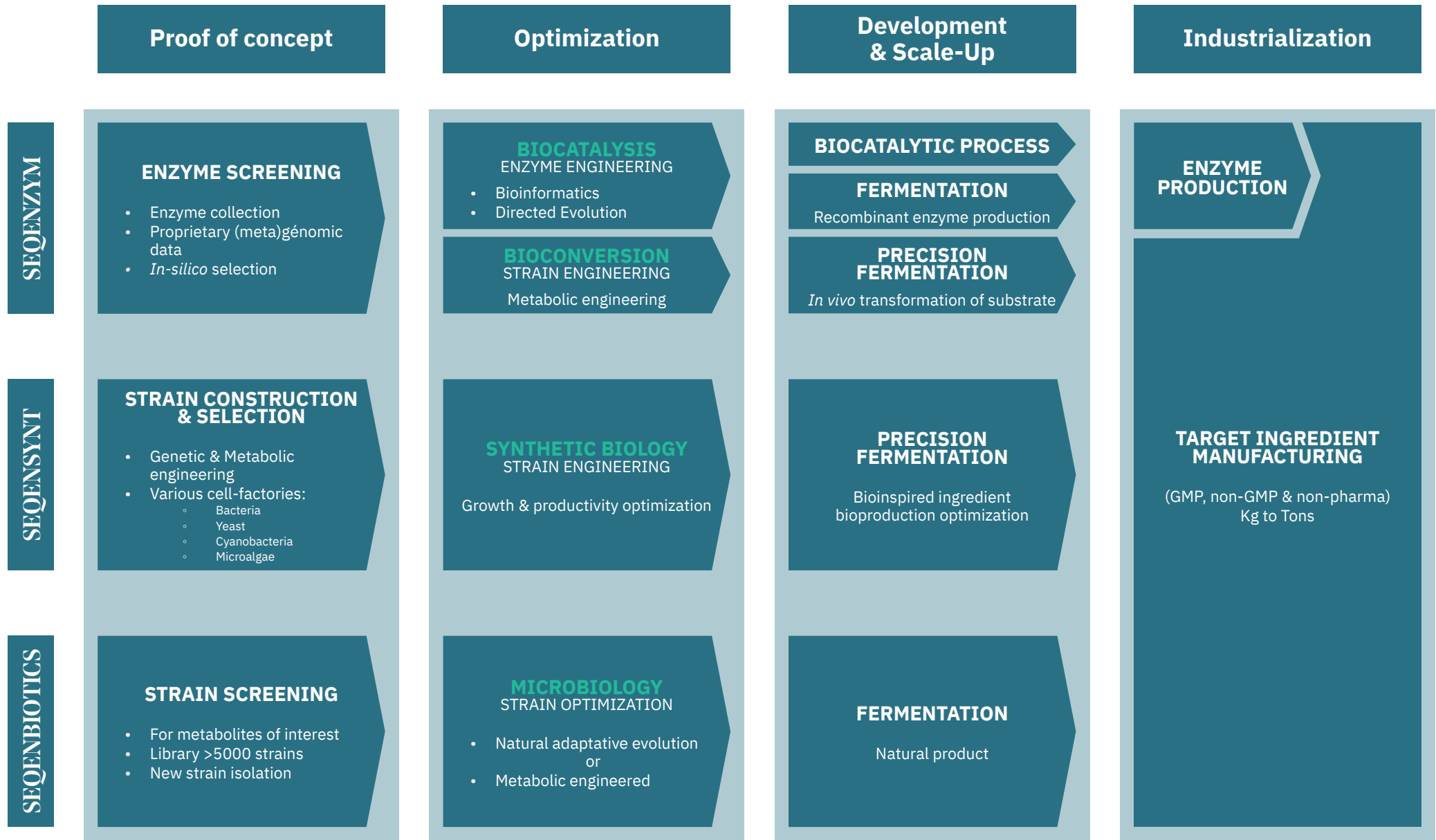
Development of proteins &
enzymatic tools used as synthesis
auxiliaries

Agrisciences

Development of biocontrol,
biostimulant and specialty enzyme
solutions



SEQENS' Biotechnological Platforms



PROPRIETARY PRODUCTS

SEQENZYM Customized kits
R&D Enzyme Exploration

SEQENZYM β G
Biogas booster

SEQENZYM FT
Frucosyltransferase for FOS synthesis

SEQENZYM AL
Aldolase for non natural amino acid synthesis

SEQENZYM LM
Lactamase for Vince Lactam synthesis

FIELDS IN DEVELOPMENT

Enzymatic functionalization of Carbohydrates esterification

Fatty acids hydratases

Fructosyltransferase & Inulinsynthase

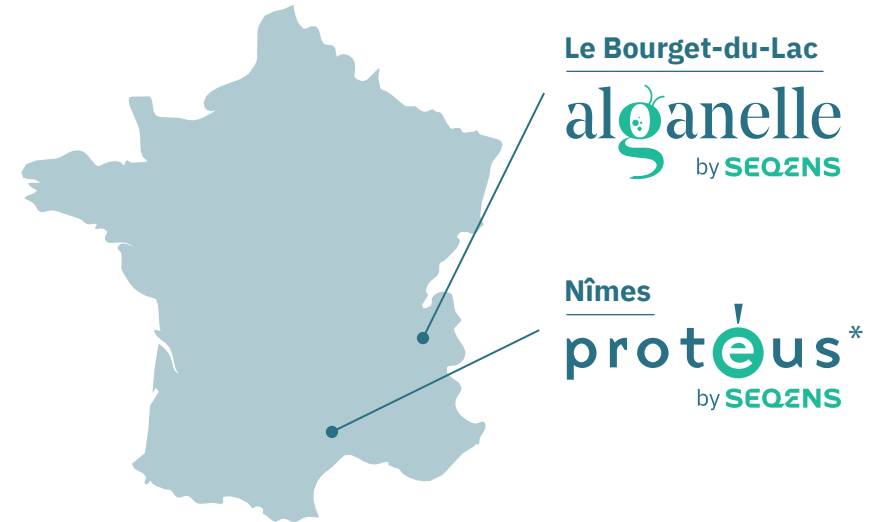
Hyaluronic Acid

Collagen & Elastin polypeptides & proteins

Various therapeutic proteins

About SEQENS Biotechnologies

SEQENS Biotechnologies offer biosolutions for every application, including high-value active molecules, microorganisms, specialty enzymes and industrial biocatalysis. Within two cutting edge research centers in France, Protéus* and Alganelle, we focus on developing bioproducts through proprietary projects and collaborations with expert partners.



About SEQENS

SEQENS is a global partner in health, personal care, and specialty ingredients.

As an integrated player across the value chain - from raw materials to active ingredients and from research and development to industrialization - SEQENS offers a broad portfolio of active ingredients, pharmaceutical intermediates and specialty ingredients, develops and industrializes the most demanding molecules, and relies on its ability to innovate, develop and implement the best available technologies.



3,300
People



9
R&D centers



300
Scientists, experts
and engineers



9
Countries

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* Legal entity PCAS SAS