

Cargill Overview

11 April 2016

thrive

From Argentina to Poland to Zimbabwe

Algeria
Argentina
Australia
Austria
Belgium
Bolivia
Brazil
Bulgaria
Canada
China
Colombia
Costa Rica
Cote D'Ivoire
Denmark

Dominican Republic
Egypt
Finland
France
Germany
Ghana
Greece
Guatemala
Honduras
Hungary
India
Indonesia
Ireland
Italy

Japan
Jordan
Kenya
Luxembourg
Malaysia
Mexico
Morocco
Mozambique
Netherlands
New Zealand
Nicaragua
Pakistan
Paraguay

Peru
Philippines
Poland
Portugal
Romania
Russia
Singapore
Slovakia
South Africa
South Korea
Spain
Sri Lanka
Sweden

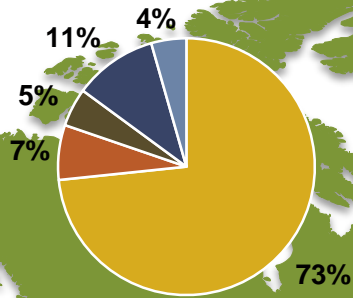
Switzerland
Taiwan
Thailand
Turkey
Ukraine
United Arab Emirates
United Kingdom
United States
Uruguay
Venezuela
Vietnam
Zambia
Zimbabwe

Company key data - Founded in 1865

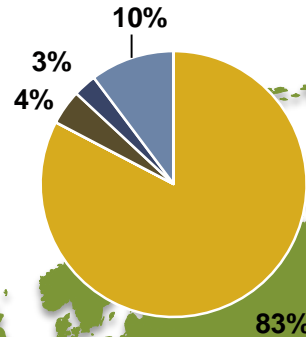
- > 142,000 employees
- > 65 countries
- > More than 1,000 locations
- > \$130 billion in revenue

February 2016

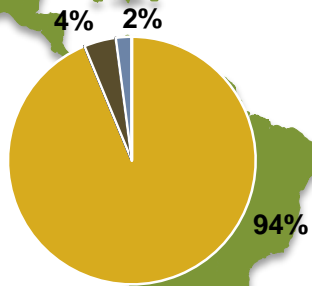
Breadth and Depth of R&D Organisation



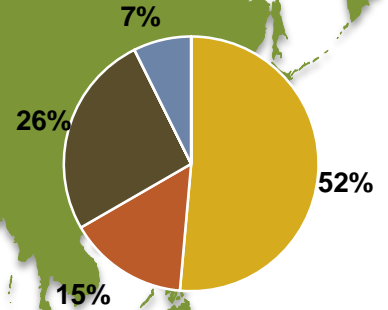
R&D NA



R&D EMEA



R&D LA

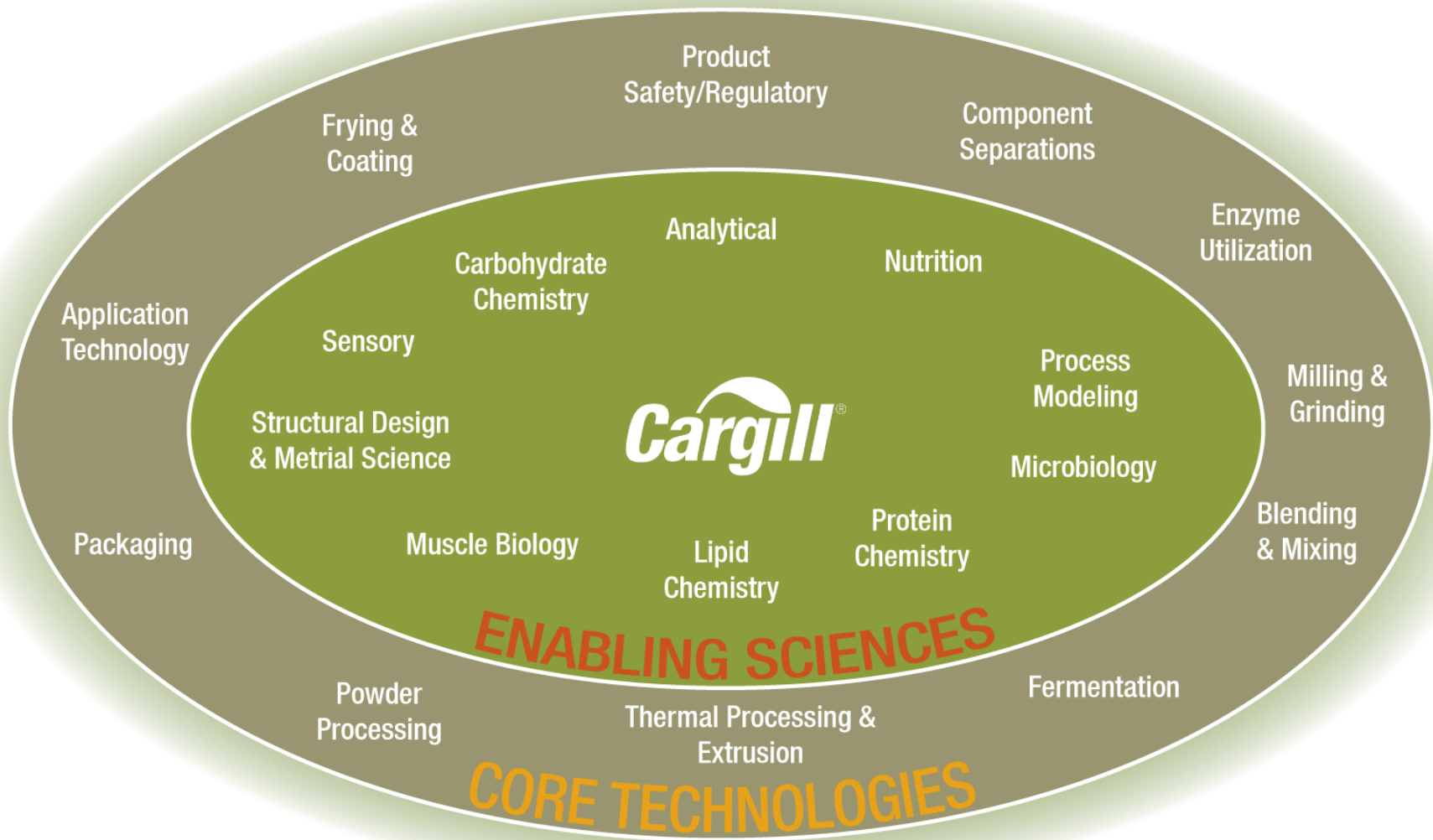


R&D AP

- Food
- Meat
- Feed
- Industrial
- Other

1.300 R&D specialists around the globe
 1.000+ R&D food specialists
 (NA 40%, EMEA 50%, LA 5% and Asia 5%)

Core technologies & enabling sciences



MyNewGut

The Gut Microbiome Influence on Energy Balance and Brain Development

MetaCardis

Applying systems biology approaches for understanding multi-factorial human diseases and their co-morbidities

DENTA


Impact of oral microbiota and resilience on oral health

Partners

The MyNewGut project is a multi-disciplinary research consortium to create knowledge from basic science to clinical practice and to develop innovative therapies for obesity. The consortium is led by Dr. Fernando Azpiroz of the Spanish Ministry of Health (ISCIII). The project brings together scientists from 14 countries and disciplines to investigate the influence of microbiological factors on metabolism, brain, and even the gut itself.


Principal Investigators:

- YOLANDA AZPIROZ** (ISCIII, Spain)
- MANA RIZKA PASOSCHKE** (University of Bonn, Germany)
- JURIAN COOPER** (University of Bristol, UK)



Gut microbiome influences on diet-related diseases and behaviour

www.mynewgut.eu



What are the gut microbiota and microbiome?

The gut microbiome is a complex and diverse ecosystem that contains tens of trillions of microorganisms living in our intestines. The gut microbiome is the main partner which sustains all the DNA involved in all of the gut microbiota ecosystem. A large body of evidence supports the notion that the gut microbiome and its products are integral to many of the processes that affect our health, including the development of obesity, diabetes, and other chronic diseases.

About the MyNewGut project

The MyNewGut project, which received funding from the European Union's Seventh Framework Programme, is a multi-disciplinary consortium of scientists from 14 countries and disciplines to investigate the influence of microbiological factors on metabolism, brain, and even the gut itself. The project aims to create knowledge from basic science to clinical practice and to develop innovative therapies for obesity.

Objectives & Outcomes

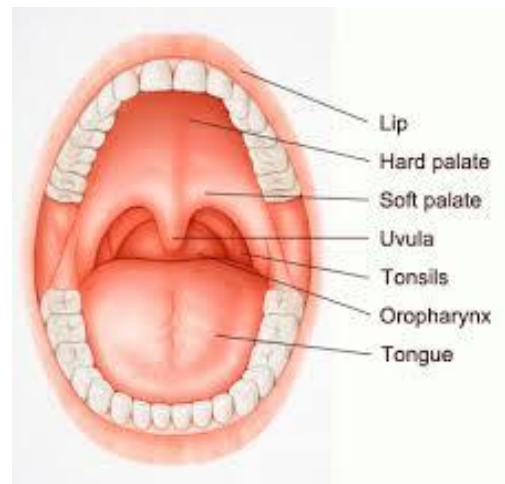
The MyNewGut project aims to gain better understanding in 4 main areas:

- 1 Investigating the role of the gut microbiome, specific components in related metabolism and energy balance.
- 2 Understanding the influence of environmental factors on the gut microbiome, its composition and during a baby's development, and its impact on brain development and metabolic health.
- 3 Identifying specific gut microbiome components and associated metabolic and brain disorders.
- 4 Developing new food ingredients and food products, by collaborating with EU food industry, targeting the gut microbiome to reduce the risk of metabolic and brain-related disorders.

Following this strategy MyNewGut will:

- Provide robust scientific evidence of the role and action of the gut microbiome in the development and function of brain, gut and peripheral tissues. Also show the effectiveness of dietary interventions that target the gut microbiome.
- Identify new dietary interventions and EU policies on public health that help to promote a healthy and active population.
- Develop new metabolic interventions and EU policies on public health that help to reduce the risk of obesity, diabetes, and other chronic diseases and contribute to healthier lifestyles.

Ultimately, this approach will improve the position of the EU in preparing diet-related diseases and behavioural issues, as it brings together top policy makers to the industrial sector, research communities and the public.

The Cargill logo features a green, curved leaf-like shape above the word "Cargill" in a bold, italicized, black sans-serif font. A registered trademark symbol (®) is located at the end of the word.

Cargill®