

# SUSTAINABILITY REPORT 2017

*Sigma*

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# ABOUT THIS REPORT

Our 2017 Sustainability Report comprises the economic, social and environmental achievements, challenges and performance of all our organizational units.

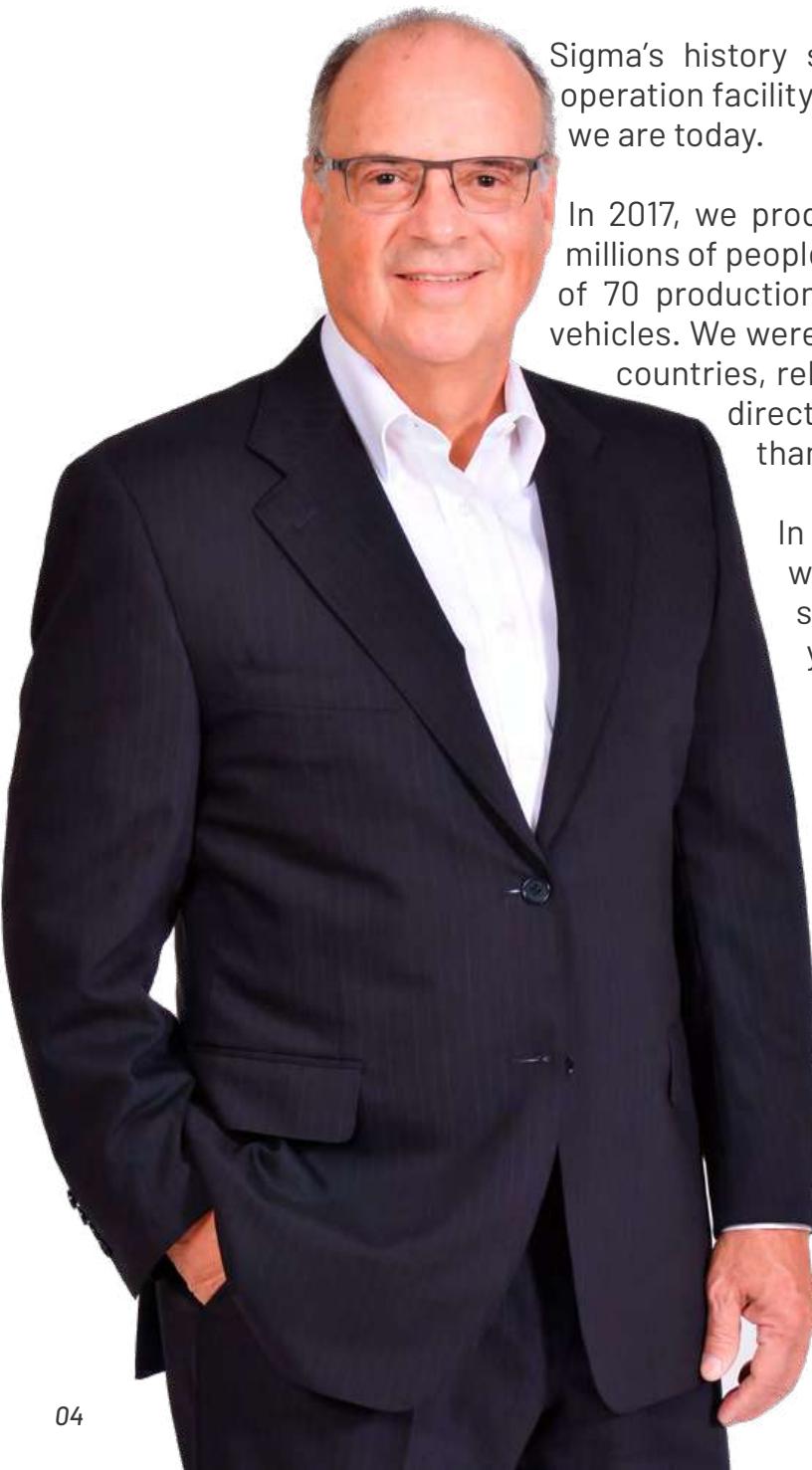
A relevant change during this period to report is the acquisition of the businesses Otto Kunz in Peru and Caroli in Romania.

The data collected to create this document has been subjected to an internal audit process. For more information on our initiatives, please download the complete 2017 Sustainability Report, which is based on the Global Reporting Initiative Standards, "In Accordance" - Core option.

For questions or suggestions, please contact us at [sustainability@sigma-alimentos.com](mailto:sustainability@sigma-alimentos.com)



# MESSAGE FROM OUR CEO



Sigma's history started in 1980 when Alfa acquired the first operation facility in Mexico. Since then, we have grown into what we are today.

In 2017, we produced and sold over 1.7 million tons of food to millions of people thanks to an efficient infrastructure consisting of 70 production facilities, 208 distribution centers and 7,900 vehicles. We were able to reach 640,000 points of sale in over 110 countries, relying on a passionate team of more than 45,000 direct employees and collaborating closely with more than 3,000 suppliers.

In our broad products portfolio, 11 of our brands, which include #1 brands in many of our markets, sell more than US \$100 million each. In the last 7 years, we have grown organically and through several acquisitions, extended our footprint into the European market and increased the presence we previously had in Mexico, the U.S., South and Central America.

We are proud to recognize the effort of thousands of employees, clients, suppliers and stakeholders, and the preference of millions of consumers; thanks to you we have become the successful company we are today. It is both our responsibility and our commitment to make a positive impact in the lives of millions of people in the countries where we have presence every day.

The work we did in 2017, follows up the efforts we have done in sustainability since we incorporated this strategy into our company in 2009. This has resulted precisely in a positive impact for the planet, society and our value chain.

Last year we faced one of the biggest natural disasters in our history, the Mexico City earthquake. Our employees came together as a family, gathering more than 19,000 tools and medical equipment, which we sent to the Red Cross, and voluntarily donated time and money for relief efforts. In addition, through our internal Hand in Hand program, we were able to aid more than 100 employees who suffered material losses. Furthermore, we actively contributed to the communities around us by donating more than 2,900 tons of food while also leading social work campaigns.

We celebrate global diversity through a team made up by approximately 40% women and 60% men, out of 45,000 employees from 60 different nationalities, in the 18 countries where we have operations. We invested more than US \$12.4 million in initiatives that improve our people's wellbeing, promoting work-life balance and fostering employees' personal and professional development by providing scholarships, coaching and courses.

We seek to be more efficient and reduce our environmental footprint year by year; therefore, one of our specific goals is to continuously decrease our CO<sub>2</sub> emissions. Starting January 2017, 76 of our production sites and distribution centers use green energy from a wind power facility, allowing us to avoid the emission of 68,800 tons CO<sub>2</sub>. With our efforts, this year in our Mexico plants we managed to supply 81% of our electricity with cleaner energy including cogeneration and wind power. This achievement motivates us to keep contributing to our planet even further.

We continue investing in our products, through R&D dedicated facilities and a team of more than 200 specialists, in addition to alliances with educational and governmental institutions to generate scientific knowledge and anticipate long-term market trends. In the last few years, we have improved the nutritional profile of more than 410 of our products, guaranteeing the preference of our consumers through high-quality, safe, tasty, healthy and innovative food.

We aim to increase our positive impact on the environment, communities and stakeholders. We are convinced that our business growth is directly linked to a sustainable development across our value chain.

I hope you enjoy our 2017 sustainability Report which includes information from all our organizational units.

A handwritten signature in blue ink that reads "M Páez".

Mario H. Páez  
CEO Sigma

# SIGMA AT A GLANCE

We are a global company dedicated to bringing local favorite foods to communities everywhere. In over 110 countries, we offer quality branded products at a range of price points and across diverse categories.

## Our Mission

Earn your preference for our brands with the best food products.

## Our Values

Respect and Empathy

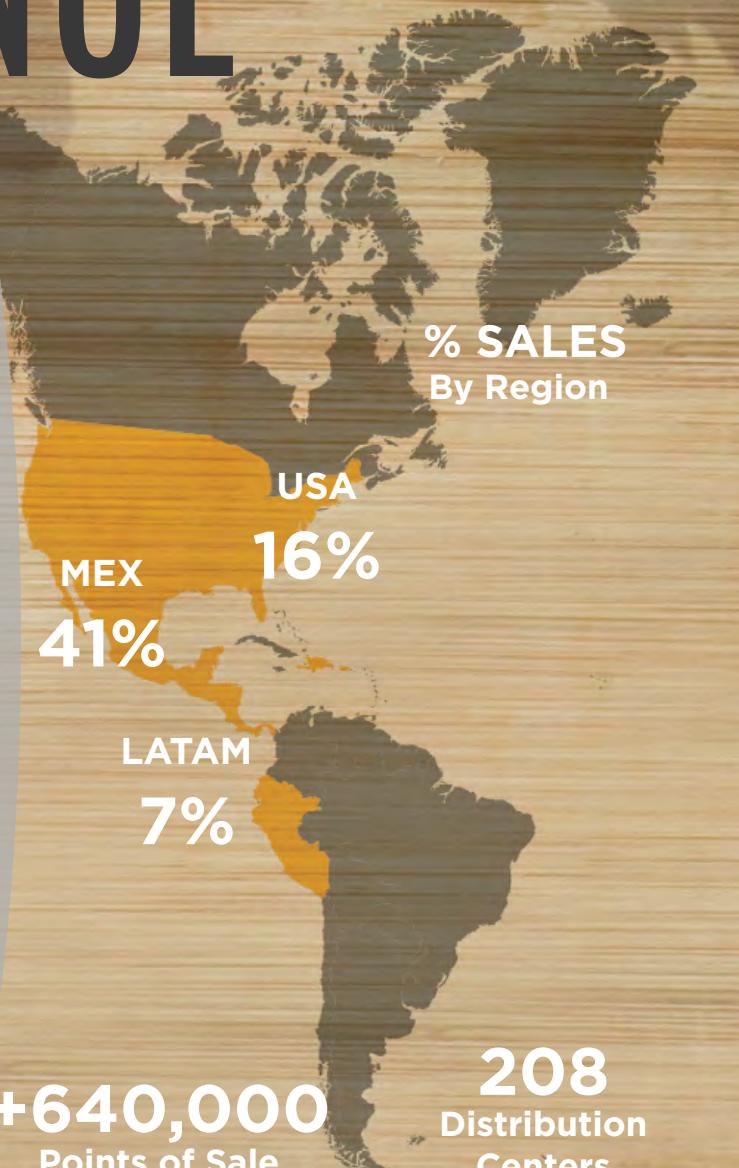
Innovation and Entrepreneurial Spirit

Passion for the Consumer

Commitment to Results

Integrity

1.7 million tons  
of food sold



+640,000  
Points of Sale

208  
Distribution  
Centers

+45,000  
Employees

CAGR '13-'17  
12%  
Net Sales

11 Brands  
Sales > US \$100 million

Operations in  
18 Countries

Mexico, US, Spain,  
France, Italy, Belgium,  
Netherlands, Portugal,  
Germany, Romania,  
Costa Rica, Guatemala,  
Nicaragua, Honduras,  
El Salvador, Peru, Ecuador  
and Dominican Republic





# SUSTAINABILITY FOCUS

We are a value-driven organization that promotes sustainability throughout our long-term strategy. Our work model is based on four pillars and applies to all our organizational units.

We are organized into local and global committees, which are multidisciplinary teams that work together to promote guidelines and execute local projects. Our strategy helps us achieve results while encouraging a culture based on leadership, diversity and life quality.

## MATERIAL TOPICS

This report includes our material topics which resulted from our latest Materiality Analysis done in 2016.

- Food quality and safety
- Healthy and nutritious food
- Occupational health and safety
- Organizational culture and work environment
- Compliance
- Water
- Air emissions
- Waste
- Value chain management
- Energy
- Economic performance and value creation
- Customer satisfaction and consumer choices

### Health & Nutrition

We promote healthy lifestyles through our innovative and high-quality products, supported by strong brands.

## OUR 4 PILLARS



### Shared Value

We create economic value through our strategic practices, and share it to promote the development and strengthening of our value chain.



### Wellbeing

We strive to establish conditions that motivate people and make it easier for them to adopt habits that improve their quality of life.

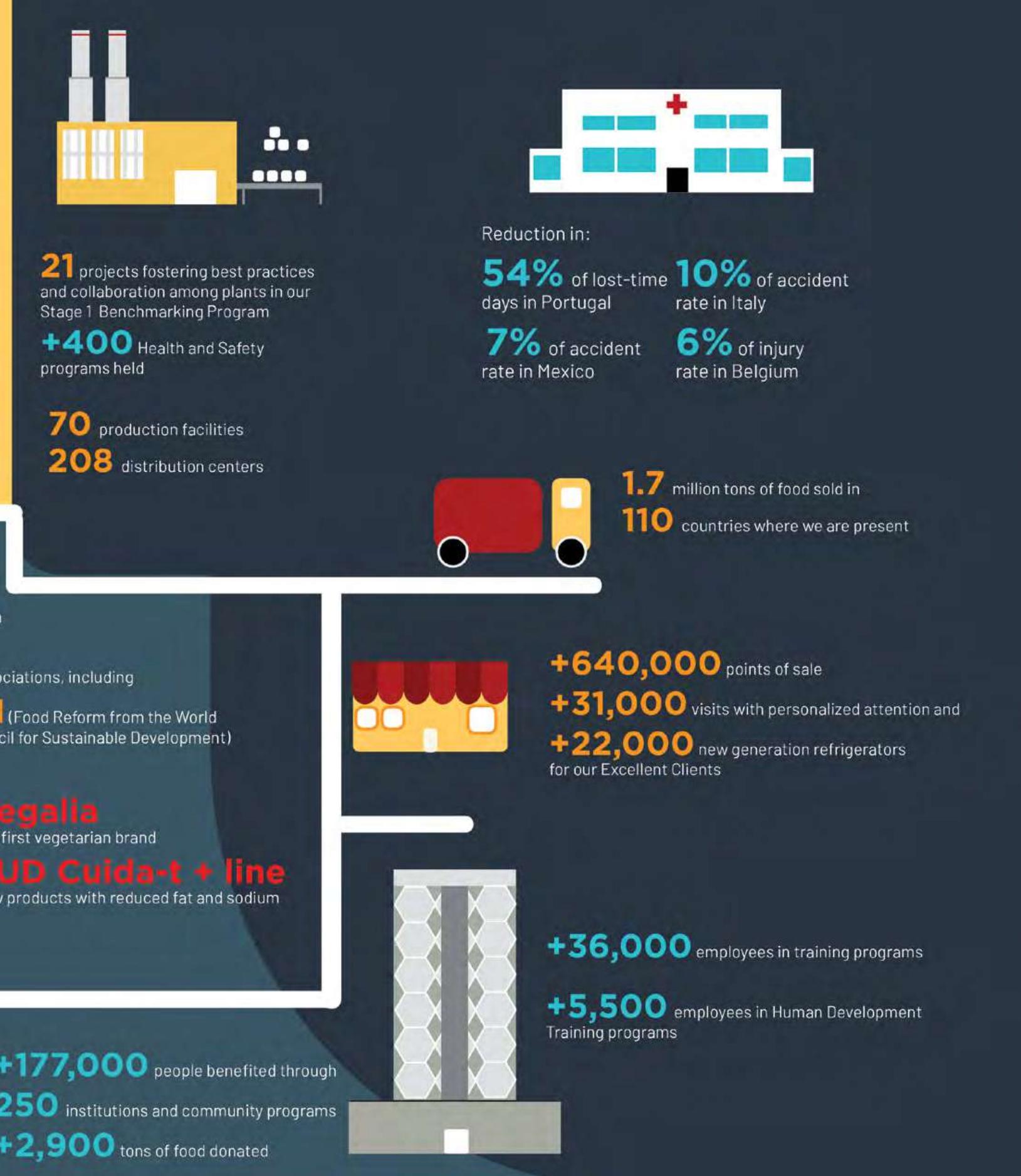
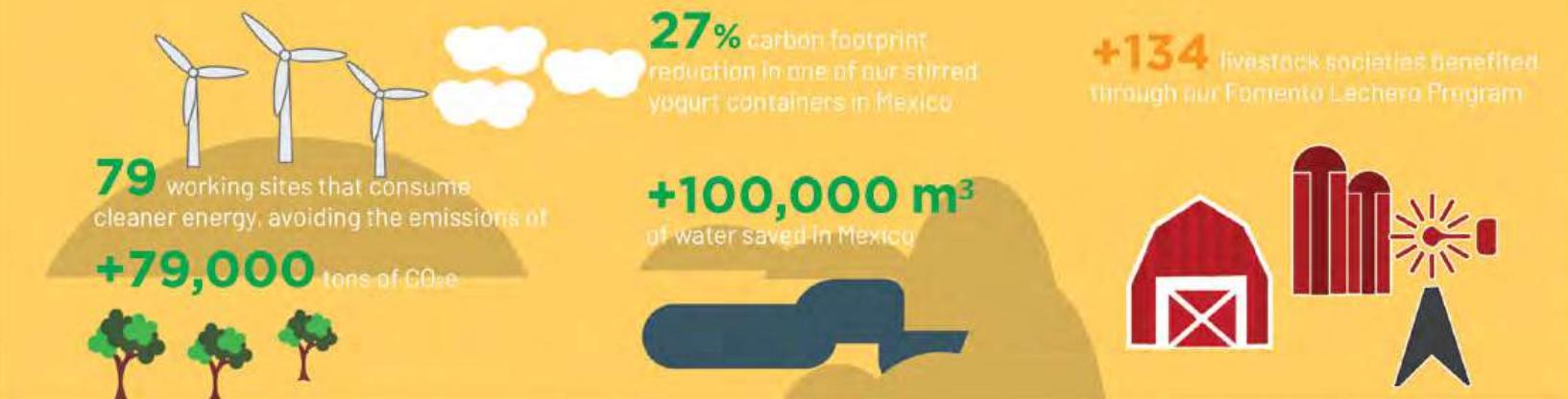


### Environment

We focus on reducing our environmental impact by using natural resources more efficiently.



# OUR 2017 ACHIEVEMENTS





We develop opportunities and strengthen a value creation cycle across our value chain to foster sustainable development around us.



**US\$43.7 million**

Invested in sustainability programs



**1.7 million**

Tons of food sold in 2017



**+640,000**

Points of sale



**110** Local and international associations in which we participate



**+31,000** Visits through our Excellent Client Program, providing personalized service and attention



**70**

Production facilities



Operations in

**18 countries**

and presence in

**110 countries**

# HOW WE GROW

As part of our strategy we team up with our stakeholders to generate projects that allow continuous improvement and help contribute to a sustainable value chain. This way, together we create a virtuous cycle, transforming, generating growth and economic opportunities for all.

- We work everyday to achieve operational excellence by monitoring and assessing our capabilities and replicating successful projects and initiatives.
- We operate safely and sustainably in the communities where we are present, and actively collaborate with associations and NGOs.
- We establish long-term mutually beneficial relationships and exchange best practices with our suppliers and clients.
- We promote efficient communication with our employees through corporate reports, a transparency mailbox, employee surveys, assistance programs, and internal newsletters and magazines.

## INVESTING IN COMMUNITY AND PHILANTHROPY

- Developing small and medium suppliers to increase local economies
  - Allocating resources to improve the infrastructure of communities where we operate
  - Aiding victims who have been affected by natural disasters

## CREATING AND EXPANDING VALUE

- Ensuring business continuity through long-term strategies
  - Creating economic growth opportunities for our suppliers and clients
  - Participating actively in national and international associations to promote positive impact and influence change

## STRIVING FOR OPERATIONAL EXCELLENCE

- Improving efficiency across our value chain by monitoring and assessing our capabilities
  - Promoting and exchanging best practices through our organizational units and our value chain



## OPTIMIZING OUR OPERATIONS

We developed and installed an in-line automated system to obtain real time and higher quality information, useful for making better decisions in one of our biggest facilities.

**21** Efficiency projects fostering best practices and collaboration among plants in our Stage 1 Benchmarking Program.

## GIVING BACK TO OUR COMMUNITIES

In 2017, we supported the victims of Mexico City's earthquake and hurricane Harvey through in-kind donations and volunteers participated with time and money for relief efforts.

**+19,000** Tools and medical equipment donated through the Red Cross.

**+25,000** Hours of volunteering for children at risk of social exclusion within the campaign "Donors of Time" by the Red Cross and International Cooperation organizations in Europe.

## WORKING TOGETHER, CREATING ALLIANCES

**+134**

Livestock clusters in Mexico supported through our Fomento Lechero Program, providing them with technical training to meet quality standards, improve efficiency, increase production and drive sustainable growth.

We actively participate in

**110** local and international associations, anticipating market trends and collaborating to create value, ensuring a voice in the industrial and scientific fields.

This year we launched Phase I of a global initiative that will allow us to assess our supplier's sustainability performance and identify best practices and opportunities.



# HEALTH & NUTRITION



*We promote healthy lifestyles through our innovative and high-quality products, supported by strong brands.*

Our products are part of the nutritional intake of millions of people. Therefore, we focus on offering high-quality, safe, nutritious and tasty food. We also make sure that our brand portfolio is accessible and diverse, making it affordable to every type of consumer in different local regions.



**+200** R&D specialists  
**2** R&D centers



**GFSI, USDA, TIF**

Among other quality certifications in our plants



**100%**

Of our meat suppliers in Mexico, Europe and the US certified by internal standards



**29** Scientific notes published

**8** Scientific events held by the Sigma Alimentos Nutrition Institute (INSA)



**+US\$20.2 million**

Invested in R&D of products, processes and technology platforms



Since 2010:

**+410** Products with improved nutritional profiles

# HOW WE CREATE

Committed to the health of our consumers, we continuously work to design, manufacture and distribute food with improved nutritional profiles that also reflect their preference, ensuring quality and food safety. In addition, we promote the adoption of healthier lifestyles, and strive to create scientific knowledge that helps our consumers make more informed decisions.

In 2017, we invested more than US\$20.2 million across all organizational units, in Health and Nutrition initiatives:

- We enhance the nutritional profile of our products, by reducing the sodium, sugar and fat content, and by increasing their protein percentage.
- We implement the strictest standards and incorporate international methodologies to ensure food quality and safety.
- We constantly innovate new products that satisfy the changing necessities and preferences of our consumers.
- We make sure to provide complete and relevant nutritional information to educate our stakeholders.

## PROMOTING HEALTHY LIFESTYLES

- Providing complete, clear and transparent nutritional information through ethical and responsible marketing
- Complying and sometimes exceeding with applicable local regulations in every country where we offer our products
- Using our network of brands, advertising, Nutrition Institute and media, to drive consumers to healthier behaviors

## CREATING HEALTHIER, MORE NUTRITIOUS PRODUCTS

- Striving to reduce the amount of ingredients in our products, such as sugar, sodium and fat content
- Improving products through innovation and design
- Researching and developing a variety of healthier options for different types of consumers

## BOOSTING SCIENTIFIC KNOWLEDGE

- Investigating and communicating public health information related to food and nutrition
- Being a relevant player in consumer and food industry related topics
- Making nutritional information available to all audiences through our Nutrition Institute (INSA)

## GUARANTEEING FOOD QUALITY AND SAFETY

- Implementing rigorous quality-control systems, including on-site lab analysis for raw materials, finished products, packaging and shelf life
- Incorporating international methodologies, such as TPM, to seek zero breakdowns, zero stops, zero defects and zero accidents
- Standardizing and continuously improving through internal inspections and external certifications



## CERTIFIED QUALITY STANDARDS

We operate using the strictest standards; our commitment is to guarantee the quality and safety of our products.

**100%** Of our meat suppliers in Mexico, Europe and the US are certified by internal standards.

## GFSI, USDA, TIF

Global Food Safety Initiative, United States Department of Agriculture and Tipo Inspección Federal are part of our local and international certifications in our plants.

## STRONG NETWORK FOR SCIENCE-BASED ACTION

**+200**

Experts work at specialized facilities to develop new processes, formulas and ingredients, improving the functionality and nutritional profile of our products, as well as our operational performance.

We actively participate in **FReSH** (Food Reform for Sustainability and Health), a project from the World Business Council for Sustainable Development aimed to accelerate transformational change in global food systems, producing responsibly within planetary boundaries.

**29**

Published papers and 8 events as part of our Sigma Alimentos Nutrition Institute (INSA), creating and sharing science-based content, such as infographics, dietary guidelines, videos and booklets.



## HEALTHIER OPTIONS

**+410**

Of our products, since 2010, with improved nutritional profiles, enabling us to offer a greater variety of healthy options to those who prefer them.

## PRODUCT INNOVATION FOR ALL

**Vegalia/Lé Végétarien** is a range of tasty 100% meat-free products: slices and hot dogs. Our first vegetarian brand offers our consumers products based on egg white, with no lactose or gluten. Additionally, it contains V-Label certification which promotes transparency and clarity.

Our new **FUD Cuidate+** line is an ideal alternative for those who want to take care of their health, by reducing the fat and sodium consumption without compromising flavor.

We launched **Yoplait Greek** yogurt with low fat, 0% added sugars, preservatives, food coloring and flavor, and containing 2 times more protein.

# WELLBEING



**We strive to establish conditions that motivate people and make it easier for them to adopt habits that improve their life quality.**

The people we work with are our most important element. Promoting and investing in their wellbeing is how we bring our corporate culture to life, acknowledging our commitment towards society.



**+US\$12.4 million**

Invested in wellbeing programs



**+45,000**

Employees from

**+60** Nationalities



**+US\$2.6 million**

Invested in training

**69** Scholarships granted to employees

**+36,000** Employees benefited



**+177,000**

People benefited in the countries where we operate through

**250** Institutions and community programs



**+2,900**

Tons of food donated



**+US\$1.9 million**

Invested in family development and recreational programs positively impacting

**+20,400** people



**90**

Schools supported through volunteering programs and professional internships

# HOW WE CARE

We believe that enabling conditions that help individuals develop in a personal and professional way is a key factor to improve their quality of life.

Our four-dimensional model establishes guidelines to promote initiatives for our employees and their families into making decisions that lead to an integral wellbeing.

As a result, in 2017, we invested more than US\$12.4 million in initiatives that helped our:

- Employees achieve a work-life balance, improve their health, boost their talent, obtain better results, and increase their productivity and efficiency.
- Families strengthen through family-oriented programs such as recreational events, holiday celebrations and scholarships for our employees' children.
- Communities grow through volunteering efforts, parks and school's infrastructure, reforestation campaigns and food donation.

## BECOMING CHANGE AGENTS IN THE COMMUNITY

- Interacting with our local communities and organizations to have a positive influence in society
- Helping people in need through in-kind donations and volunteering
- Supporting families through development programs and recreational events

## ACHIEVING EXCELLENT PERSONAL RELATIONS

- Encouraging diversity in our workplace and creating an inclusive culture
- Enabling open communication to strengthen collaboration and productivity
- Providing work flexibility options that fit every employee's lifestyle



## PROMOTING HEALTHY HABITS

- Facilitating occupational safety practices
- Improving healthy habits through institutionalized programs
- Offering emotional, medical and nutritional support

## DEVELOPING A SENSE OF PURPOSE IN LIFE

- Promoting talent development through specialized trainings focused on the current needs of our employees
- Providing education on human rights, change management capabilities, leadership, financial awareness and planning, among others

## SUPPORTING OUR COMMUNITIES

We actively participate in the communities where we operate:

**+177,000**

People benefited through our community and disaster assistance programs in alliance with **+250 institutions**.

**+100**

Employees supported through our Hand in Hand program, which compensates those who suffer material damages caused by natural disasters.

**+2,900**

Tons of food donated to associations that work for people in need, and **1 million meals** committed to children through the Summer Meals program and the **No Kid Hungry** association in the US.

## PROMOTING DIVERSITY AND INCLUSION

We acknowledge the importance of the diversity of opinions and the inclusion of everyone's styles and ideas in the creation of value. We promote gender equality and make sure everyone has the same opportunities to develop within our organization.

**+60** different nationalities make up our community, our employees' diverse backgrounds allow us to have a global vision.

**40%** women in our task force.

**2** Major Town Halls with the Executive Committee to promote an open communication culture.

## ENCOURAGING HEALTH AND SAFETY

We reinforced our safety programs:

**+US\$7.6 million**

Invested in safety, health and nutrition through **+550 programs**.

Reduction in:

**54%**

Of lost-time days in Portugal

**10%**

Of accident rate in Italy

**7%**

Of accident rate in Mexico

**6%**

Of injury rate in Belgium

**112,000 kms**

Achieved in Mexico, Spain and Italy from running, biking and other sports through our Balance Club and our eHealth Challenge, promoting exercise among our employees.

## FOSTERING PROFESSIONAL GROWTH

We ensure that our employees have access to programs that strengthen their professional and personal skills, and help them achieve work-life balance.

**+US\$2.6 million**

Benefiting **+36,000 people** through courses and 69 scholarships from renowned universities.

**+5,500**

Employees participated in Human Training Programs, resulting in **+129,000 hours** of self-improvement training with the support of **+600 volunteer** colleagues.

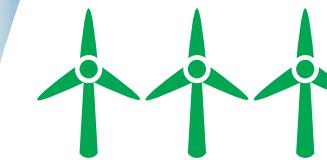
# ENVIRONMENT

*We focus on reducing our environmental impact by using natural resources more efficiently.*

The protection and conservation of the environment are key elements in our performance as a company. We focus on implementing best practices to reduce our consumptions and increase our operating efficiency.

**US\$10.9 million**

Invested in environmental programs



**76** Working sites started using wind power



**Zero-Waste Program**

Implemented in 3 Europe facilities



**+79,000 tons of CO<sub>2</sub>e**

Avoided by using cleaner energy among



**+22,000**

New generation refrigerators installed in client facilities in Mexico



**27%** Reduction of the carbon footprint in one of our stirred yogurt containers in Mexico

# HOW WE SAVE

We promote sustainable practices related to water, energy and other utilities as well as packaging and waste disposal. We also work every day to optimize our operations, become more efficient, and find new and innovative solutions to reduce our environmental footprint.

In 2017, we invested more than US\$10.9 million in ecological projects and technology development, fostering a green responsible culture.

- We conduct periodic technical assessments in our facilities, establish operational guidelines and measure water, electricity, fuel, waste and other performance KPIs to identify and replicate best practices across all our organizational units.
- We ensure distribution efficiency by constantly improving our delivery routes and vehicle management practices, while decreasing our fuel consumptions.
- We seek to optimize our packaging through research and development by using new components and minimizing the materials used, increasing the package functionality while maintaining the quality and safety of our products.

## MITIGATING CLIMATE CHANGE

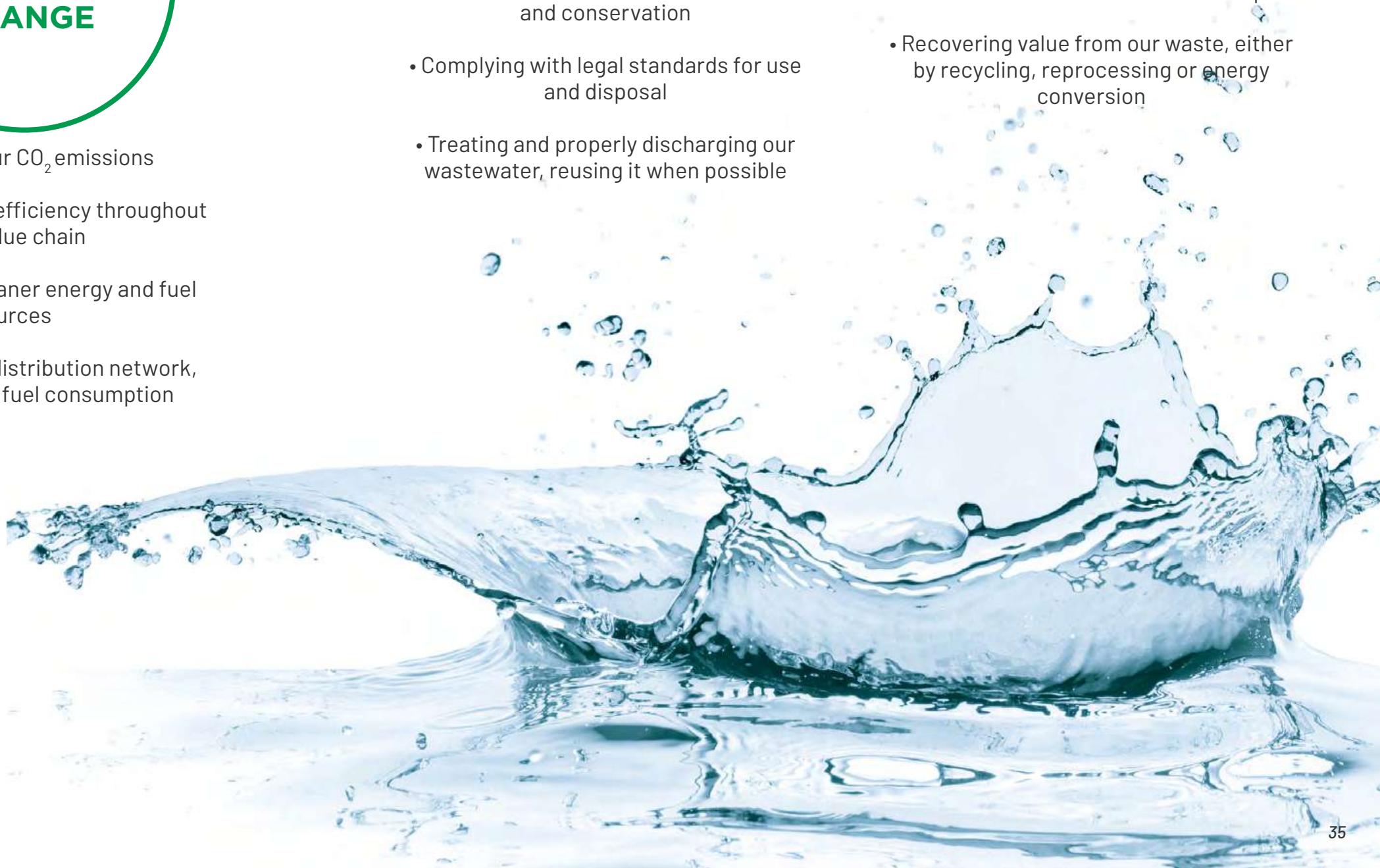
- Reducing our CO<sub>2</sub> emissions
- Ensuring energy efficiency throughout our value chain
- Switching to cleaner energy and fuel sources
- Optimizing our distribution network, decreasing our fuel consumption

## PROMOTING WATER STEWARDSHIP

- Improving water efficiency consumption and conservation
- Complying with legal standards for use and disposal
- Treating and properly discharging our wastewater, reusing it when possible

## REDUCING WASTE

- Guaranteeing responsible waste handling, internally and by third parties
- Innovating our packaging with new materials to reduce environmental impact
- Recovering value from our waste, either by recycling, reprocessing or energy conversion



## INVESTING IN CLEANER ENERGIES

**76** Sites in Mexico started receiving electricity from a wind power facility; avoiding the emission of more than 68,800 tons of CO<sub>2</sub>e.

**+79,000**

Tons of CO<sub>2</sub>e avoided by using wind power and more efficient generation systems, instead of the national alternatives.

## IMPROVING ENERGY EFFICIENCY IN OUR VALUE CHAIN

**+22,000**

New generation refrigerators were placed in our clients' stores, ensuring a more efficient performance and lower energy usage, allowing us to decrease the environmental impact throughout our value chain. Since 2014, more than 43,000 of these refrigerators have been installed.

**4%**

More efficient distribution through a pilot dynamic routing system, reducing the kilometers traveled in our distribution fleet and decreasing fuel consumption. This project will also allow us to maximize unit's usage, comply with client's delivery specifications and optimize routes in real time.

For the fourth consecutive year, we received the **"Excellent Environmental Performance"** recognition; as an award for clean transportation in the distribution of our products and the use of cleaner fuels in Mexico.



## REDUCING WASTE GENERATED

**Up to 27%**

Reduction of the carbon footprint in our stirred yogurt containers, by adding new materials to our packages in Mexico.

## Zero-Waste

Project implemented in 3 European plants, managing to recycle 100% of their solid waste. Our goal is to keep integrating facilities next year and soon to replicate this project through our operations.

## ENSURING WATER STEWARDSHIP

**+US\$1.5 million**

Invested in our Atitalaquia water treatment facility, to renovate the infrastructure and increase its capacity.

**+100,000 m<sup>3</sup>**

Of water saved in Mexico due to water efficiency projects.

# STAKEHOLDER ENGAGEMENT

We keep our stakeholders informed, and we listen to them through our communication channels.

Stakeholders	Commitments	Communication channels
Shareholders	Create superior value for the long term.	ALFA shareholders meeting, corporate reports, website, social networks, transparency mailbox.
Employees	Attract the best talent and promote their wellbeing, growth and motivation.	Corporate reports, transparency mailbox, employee survey, employee assistance program, website, newsletter, internal magazine.
Consumers	Captivate them with superior experiences and an innovative and nutritious offer.	Contact centers, focus groups, satisfaction survey, website and social networks.
Customers	Exceed their expectations with value proposals.	Contact centers, Excellent Customers program, satisfaction survey, website and sales force.
Suppliers	Establish long-term, collaborative and mutually beneficial relationships.	Evaluation and training programs, contact centers, website and social networks.
Community	Ensure safe and sustainable operations and participate in their development.	Website, social networks, transparency mailbox and contact centers.
Authorities	Comply with applicable regulations and establish partnerships for sustainable development.	Associations, chambers, and meetings.
Associations and NGOs	Collaborate effectively to create scientific and industrial groups.	Industry forums, meetings, participating in committees, social networks and website.

## Global Associations

110 Associations: Global Level	49
Food Industry	
GR German Meat Industry Federation (BVDF)	
BE Agency for Innovation and Entrepreneurship (VLAIO)	
* Belgian Association of Meat Science and Technology (BAMST)	
* Belgian Food Industry Federation (FEVIA)	
* Belgian Federation of Meat Products (FENAVIAN)	
* Flanders Food, Platform for Innovation in the Food Industry	
US * North American Meat Institute (NAMI)	
* The Consumer Goods Forum	
SP Asociación Interprofesional del Porcino de Capa Blanca (INTERPORC)	
* Asociación Multisectorial de Empresas de Alimentación y Bebidas	
Asociación Nacional de Industrias de la Carne de España (ANICE)	
* DEPORCIL	
* Fundación Alimentum	
Fundación Española de la Nutrición (FEN)	
EU Liaison Center for the Meat Processing Industry in the European Union (CLITRAVI)	
FoodDrinkEurope	
FR French Meat Industry Federation (ICT)	
* French Food Industries Association (ANIA)	
USRIC	
NL Dutch Food Industry Federation (FNLI)	
* Dutch Meat Products Association (VNV)	
INT Food Reform for Sustainability and Health (FReSH) program of the World Business Council for Sustainable Development (WBCSD)	
** Global Food Safety Initiative (GFSI)	
IT Industrial Meat and Salami Association (ASSICA)	
Mortadella Bologna Consortium	
Parma Industry Association	
Parma Quality Institute	
* Prosciutto di Parma Consortium	
* Prosciutto di S. Daniele Consortium	
* (UNICEB)	
MX Asociación Mexicana de Bancos de Alimentos (AMBA)	
** Asociación Nacional de Establecimientos TIF (ANETIF)	
Cluster Agroalimentario de Nuevo León, A.C.	
** Cámara Nacional de Industriales de la Leche (CANILEC)	
** Consejo Mexicano de la Carne	
Consejo Nacional Agropecuario	
PO ** Portuguese Meat Industry Association (APIC)	
LATAM Asociación de la Industria Cárnea del Salvador (ASICARNE)	
Asociación Salvadoreña de Porcicultores (ASPORC)	
** Cámara Costarricense de Embutidores y Procesadores de Carne	
* Cámara Nacional de los Productores de Leche de Costa Rica	
** Asociación de Fabricantes de Embutidos de República Dominicana	
Junta Agroempresarial	
Asociación Nacional de Fabricantes de Alimentos y Bebidas, Ecuador	
Asociación de Porcicultores de Ecuador	
Asociación de Fabricantes de Alimentos Balanceados de Ecuador	
Comité Consultivo de la Carne de Ecuador	
Agrocalidad de Ecuador	
General Industry	31
EU European Agency for Safety and Health at Work (EU-OSHA)	
MX Asociación Nacional de Transporte Privado (ANTP)	
Cadenas Productivas de NAFINSA Monterrey	
** Cámara Nacional de la Industria de la Transformación	
** Consejo Mexicano de la Industria de Productos de Consumo	
** Confederación de Cámaras Industriales	
LATAM Sociedad Nacional de Industrias de Perú	
Cámara de Comercio Peruana - Alemana	
Asociación Peruana de Empresas de Consumo Masivo	
Asociación Salvadoreña de Industriales (ASI)	
Cámara de Comercio e Industria del Salvador	
Cámara Americana de Comercio del Salvador	
Cámara de Comercio Salvadoreña Mexicana (CASALMEX)	

Cámara de la Industria Alimentaria de Costa Rica (CACIA)	
Instituto Nacional de Normalización de Ecuador	
Cámara de la Industria y Comercio de Costa Rica-México (CICOMEX)	
American Chamber of Commerce in Costa Rica (AMCHAM)	
Asociación de Industrias Región Norte de República Dominicana	
Cámara de Comercio y Producción de Santiago, DR	
Cámara de Comercio Dominicano-Mexicano	
Cámara Americana de Comercio en RD	
Asociación de Industria de la República Dominicana	
Agencia Nacional de Regulación, Control y Vigilancia Sanitaria, Ecuador	
Cámara Binacional de Comercio Ecuador-México	
Cámara de Comercio de Latacunga	
Cámara Empresarial Mexicana Nicaragüense (CAMEXNIC)	
Asociación de Distribuidores de Productos de Consumo de Nicaragua	
Cámara de Comercio Industrias de Tegucigalpa, Honduras (CCIT)	
Cámara de Industrias y Producción Quito	
Cámara de la Pequeña y Mediana Empresa de Pichincha	
Cámara de Industriales y Empresarios de Cotopaxi	

Research and Education	16
BE + De Liège University	
+ Ghent University	
US + Massachusetts Institute of Technology Industrial Liaison Program	
Oklahoma State University	
SP + Alimentación y Ciencia (ALICIA)	
+ Instituto de Investigación y Tecnología Agroalimentaria (IRTA)	
+ Universidad de Burgos	
EU + Danish Meat Research Institute	
NL + Maastricht University	
MX + Centro de Competitividad en CAINTRA	
* Centro de Ingeniería y Desarrollo Industrial (CIDESI)	
+ Cluster Biotecnológico del Estado de Nuevo León, A.C.	
+ Consejo Nacional de Ciencia y Tecnología (CONACYT)	
+ Instituto Politécnico Nacional (IPN)	
+ Instituto Tecnológico de Estudios Superiores de Monterrey	
+ Universidad Autónoma de Nuevo León (UANL)	

Responsible Marketing	9
GR *** Brand Association in Germany (Markenverband)	
SP * PROMARCA	
** Asociación Española de Anunciantes (AEA)	
IT Industry and Enterprise Association (Unindustria)	
Italian Advertising Association (AITA)	
Unione Parmense degli Industriali	
MX ** Consejo de Autorregulación y Ética Publicitaria	
PO Portuguese Advertising Association (APAN)	
Portuguese Brand Products Companies Associations (Centromarca)	

Human Resources	6
US Organizational Development Network	
FR ** OPCA of Food Industries, Agricultural Cooperation and Food Retail	
BE Fevia (Belgian Food Industry Federation)	
MX Unión Social de Empresarios de México (USEM)	
Asociación Mexicana en Dirección de Recursos Humanos	
Movimiento Congruencia	

Region abbreviations  
 GR- Germany, BE- Belgium, US- United States, EU- Europe, SP- Spain, FR- France, NL- Netherlands INT-International, IT- Italy, MX- Mexico, PO- Portugal, LATAM- Latin America

Symbols indicate level of participation:  
 \* =Member of the Board \*\*=Vice Chairman of the Board \*\*\*=Chairman of the Board + = Research Agreement No symbol = Member of the Association

# GRI INDEX -Core option

Universal Standards	Answer/Omission	Page																																																								
<b>GRI 102</b> General Disclosures 2017																																																										
<b>1. Organizational profile</b>																																																										
<b>102-1</b> Name of the organization	Sigma Alimentos, S.A. de C.V.																																																									
<b>102-2</b> Activities, brands, products and services	Sigma is a global food company established in 1980. We produce, market and distribute highly recognized brand foods in Mexico, United States, Central America, South America and Europe.																																																									
	<b>Sigma at a Glance</b>	<b>06</b>																																																								
<b>102-3</b> Location of headquarters	Carrizalejo HQ: Ave. Gomez Morin #1111 Col. Carrizalejo, San Pedro Garza Garcia, NL Mexico CP 66254																																																									
<b>102-4</b> Location of operations	<b>Sigma at a Glance</b>	<b>06</b>																																																								
<b>102-5</b> Ownership and legal form	Sigma Alimentos, S.A. de C.V., is a global food company that belongs to Grupo Alfa.																																																									
<b>102-6</b> Markets served	Modern, traditional and foodservice.																																																									
<b>102-7</b> Scale of the organization	<table border="1"> <tr> <td>Total number of employees</td><td>45,400</td></tr> <tr> <td>Number of operations</td><td>70 production facilities, 208 distribution centers and +640,000 points of sale.</td></tr> <tr> <td>Net sales</td><td>US \$6.1 billion</td></tr> <tr> <td>Total capitalization broken down in terms of debt and equity</td><td>Confidentiality constraints: Sigma does not publish this information due to internal use restrictions.</td></tr> <tr> <td>Quantity of products or services provided</td><td>More than 100 brands and 1.7 million tons of food sold.</td></tr> </table>	Total number of employees	45,400	Number of operations	70 production facilities, 208 distribution centers and +640,000 points of sale.	Net sales	US \$6.1 billion	Total capitalization broken down in terms of debt and equity	Confidentiality constraints: Sigma does not publish this information due to internal use restrictions.	Quantity of products or services provided	More than 100 brands and 1.7 million tons of food sold.																																															
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<b>102-8</b> Information on employees and other workers	<table border="1"> <tr> <th></th><th>Men</th><th>Women</th><th>Total</th></tr> <tr> <td>Permanent</td><td>27,360</td><td>17,488</td><td>44,848</td></tr> <tr> <td>Temporary</td><td>331</td><td>221</td><td>552</td></tr> <tr> <td>Total</td><td>27,691</td><td>17,709</td><td>45,400</td></tr> <tr> <th></th><th>Mexico</th><th>LATAM</th><th>Europe</th><th>US</th><th>Total</th></tr> <tr> <td>Permanent</td><td>27,637</td><td>6,310</td><td>8,059</td><td>2,842</td><td>44,848</td></tr> <tr> <td>Temporary</td><td>488</td><td>64</td><td>-</td><td>-</td><td>552</td></tr> <tr> <td>Total</td><td>28,125</td><td>6,374</td><td>8,059</td><td>2,842</td><td>45,400</td></tr> <tr> <th></th><th>Men</th><th>Women</th><th>Total</th></tr> <tr> <td>Full-time</td><td>27,293</td><td>17,690</td><td>44,983</td></tr> <tr> <td>Part-time</td><td>398</td><td>19</td><td>417</td></tr> <tr> <td>Total</td><td>27,691</td><td>17,709</td><td>45,400</td></tr> </table>		Men	Women	Total	Permanent	27,360	17,488	44,848	Temporary	331	221	552	Total	27,691	17,709	45,400		Mexico	LATAM	Europe	US	Total	Permanent	27,637	6,310	8,059	2,842	44,848	Temporary	488	64	-	-	552	Total	28,125	6,374	8,059	2,842	45,400		Men	Women	Total	Full-time	27,293	17,690	44,983	Part-time	398	19	417	Total	27,691	17,709	45,400	
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A vast portion of the organization's activities are performed by Sigma's employees, being non-employed only those who work in the organization due to outsourcing. At Sigma, there are no significant variations in the number of employees by employment contracts, neither by gender nor by region. The previous data was obtained through the company's headcount system.																																																										



Universal Standards	Answer/Omission	Page
<b>102-9</b> Supply chain		
<b>Sigma at a Glance</b>		
With our Global Supply policy we assess and select suppliers, taking into account quality standards. Our goal is to establish long-term, collaborative and mutually beneficial relationships, encouraging development in our suppliers. We achieve this through communication with our direct suppliers.		
<b>102-10</b> Significant changes to the organization and its supply chain	Two new businesses were acquired: Caroli in Romania and Supemsa in Peru.	<b>06</b>
<b>102-11</b> Precautionary Principle	As part of ALFA, Sigma applies the Precautionary Principle.	
<b>102-12</b> External initiatives	<b>Global Associations</b>	<b>39</b>
<b>102-13</b> Membership of associations	<b>Global Associations</b>	<b>39</b>
<b>2. Strategy</b>		
<b>102-14</b> Statement from senior decisionmaker	We aim to increase our positive impact in the environment, communities and stakeholders. We are convinced that our business growth is directly linked to a sustainable development across our value chain.	
<b>Message from our CEO</b>		
<b>3. Ethics and integrity</b>		
<b>102-16</b> Values, principles, standards and norms of behavior	<b>Sigma at a Glance</b>	<b>06</b>
<b>4. Governance</b>		
<b>102-18</b> Governance structure	Sigma Alimentos, S.A. de C.V., is a global food company member of Alfa Group. Link to: <a href="http://www.alfa.com.mx/sigma-alimentos.com">www.alfa.com.mx/sigma-alimentos.com</a>	
<b>5. Stakeholder engagement</b>		
<b>102-40</b> List of stakeholders	Shareholders, employees, consumers, customers, suppliers, community, authorities, associations and NGOs	
<b>Stakeholder Engagement</b>		
<b>102-41</b> Collective bargaining agreements	20% of Sigma Mexico's employees and 4% of LATAM's are covered by collective bargaining agreements. Given confidentiality constraints, the corresponding percentages for USA and Europe are not available.	
<b>102-42</b> Identifying and selecting stakeholders	Stakeholders are identified and selected through different assessment processes, relying on the materiality analysis.	
<b>102-43</b> Approach to stakeholder engagement	We have open communication channels that serve a double purpose: They help us keep our stakeholders informed and they allow us to listen to their opinions concerning economic, social and environmental issues.	
<b>Stakeholder Engagement</b>		
<b>102-44</b> Key topics and concerns raised	<b>Shared Value</b>	<b>14</b>
<b>6. Reporting Practice</b>		
<b>102-45</b> Entities included in the consolidated financial statements	All of our organizational units are included in our financial reports.	
<b>102-46</b> Defining the report's content and its topics	We carried out a materiality analysis taking into account stakeholders in our business. Additionally, we also studied the relevance for Sigma in these matters, by conducting surveys in all our organizational units.	
<b>102-47</b> List of material topics	<b>Sustainability Focus</b>	<b>10</b>

Universal Standards	Answer/Omission	Page
<b>102-48</b> Restatement of information	This is Sigma's Second Global Report. 2015 is the base year, but most comparisons are against 2016, unless mentioned specifically.	
<b>102-49</b> Changes in reporting	For the Environment dimension, the values reported cannot be compared directly with the 2016 Sustainability Report, given that this year we are accounting for more plants than in the previous one where we didn't have information.	
<b>102-50</b> Reporting period	January 1st to December 31st 2017	
<b>102-51</b> Date of most recent report	2016	
<b>102-52</b> Reporting cycle	Annual	
<b>102-53</b> Contact point for questions regarding the report	For questions, comments, or suggestions please contact us at: <a href="mailto:sustainability@sigma-alimentos.com">sustainability@sigma-alimentos.com</a>	
<b>102-54</b> Claims of reporting in accordance with the GRI Standards	<b>About this Report</b>	<b>03</b>
<b>102-56</b> External assurance	There's no external assurance process	

## MATERIAL TOPICS

### 1. Food quality and safety

GRI 103 ManagementApproach2017		
<b>103-1</b> Explanation of the material topic and its Boundary	We operate under a Global Quality Policy, in which we mention that we are committed to guarantee the best food products for our clients and consumers, through an excellent execution, ensuring quality and safety, efficient operations, sustainable practices and engaged people.	
<b>103-2</b> The management approach and its components		
<b>103-3</b> Evaluation of the management approach	<b>Health and Nutrition</b>	<b>20</b>

### GRI 416 Customer Health and Safety 2017

<b>416-1</b> Assessment of the health and safety impacts of product and service categories	100%	
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### 2. Healthy and nutritious food

GRI 103 ManagementApproach2017		
<b>103-1</b> Explanation of the material topic and its Boundary	We operate under a Global Sustainability Policy with the aim of promoting a healthier diet and lifestyle throughout our brands by offering innovative, safe and high quality products that are the preference of our consumers.	
<b>103-2</b> The management approach and its components		
<b>103-3</b> Evaluation of the management approach	<b>Health and Nutrition</b>	<b>20</b>

## 3. Economic/financial performance

### GRI 103 ManagementApproach2017

<b>103-1</b> Explanation of the material topic and its Boundary	Our purpose is driven by the merge of our business goals and the wishes and interests of the communities in which we operate. At Sigma we set performance objectives per employee based on our financial guidance, measuring and monitoring them through the year, ensuring financial and individual goals are being accomplished annually. We are proud to share our growth and achievements, by quarterly publishing our financial results in our website <a href="http://www.sigma-alimentos.com/financial-information/">http://www.sigma-alimentos.com/financial-information/</a>
<b>103-2</b> The management approach and its components	
<b>103-3</b> Evaluation of the management approach	<b>Shared Value</b>

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### GRI 201 Economic Performance 2017

<b>201-1</b> Direct economic value generated and distributed	<a href="http://www.sigma-alimentos.com/financial-information/">http://www.sigma-alimentos.com/financial-information/</a>
<b>201-4</b> Financial assistance received from government	We do not receive financial assistance from the government in any of our organizational units

## 4. Customer satisfaction and consumer choice

### GRI 103 ManagementApproach2017

<b>103-1</b> Explanation of the material topic and its Boundary	We operate under a Global Quality Policy, in which we establish guidelines and ensure our general model for customer and consumer service. Our value offer to consumers is to indulge them with superior experiences through nutritious, safe and innovative products, which can be found in different points of sale. We take the necessary measures to open communication channels that allow us to better understand their needs, concerns and suggestions and also to inform them of the benefits of our products, services and programs.
<b>103-2</b> The management approach and its components	
<b>103-3</b> Evaluation of the management approach	<b>Shared Value</b>

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## 5. Organizational culture, work environment and labor relations

### GRI 103 ManagementApproach2017

<b>103-1</b> Explanation of the material topic and its Boundary	One of our strategic goals is to integrate all of our operations under the same culture. In order to achieve this, we have initiated a culture journey that will allow us to measure, design and live a common corporate culture that will enhance our business strategies. The journey consists of different phases aimed at measuring the actual culture, defining the desired culture, identifying gaps and designing key actions to reduce them. In addition, we operate under a Global Sustainability Policy: We ensure working conditions that promote a professional growth, engagement, work-life balance and active participation in communities.
<b>103-2</b> The management approach and its components	
<b>103-3</b> Evaluation of the management approach	<b>Wellbeing</b>

**26**

### GRI 402 Labor/Management Relations 2017

<b>402-1</b> Minimum notice periods regarding operational changes	Sigma has a maximum of 15 days notice for employees and their representatives prior to the implementation of changes in salaries, benefits and organizational changes.
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### GRI 407 Freedom of Association and Collective Bargaining 2017

<b>407-1</b> Operations and suppliers in which the right to freedom of association and collective bargaining may be at risk	There are no registered cases in which the operations and suppliers risk or deny the employee's freedom of association or collective bargaining. At Sigma, the employee is allowed to select his association or collective bargaining of choice as well as choosing its leader during the assemblies every 2 years.
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## 6. Occupational health and safety

### GRI 103 Management Approach 2017

<b>103-1</b> Explanation of the material topic and its Boundary	We are responsible for providing working conditions that improve the life quality of our employees. At our operating sites, we promote physical and mental health, while working day in and out to reach our zero-accidents goal. We grant training courses on accident prevention, closely oversee our processes' safety and equip our facilities with industrial safety technologies. We also have a staff of specialists who offer medical attention at our operation sites.
<b>103-2</b> The management approach and its components	
<b>103-3</b> Evaluation of the management approach	<b>Wellbeing</b>

26

### GRI 403 Occupational Health and Safety 2017

<b>403-2</b> Types of injury and rates of injury, occupational diseases, lost days and absenteeism, and number of work-related fatalities	Confidentiality constraints: Sigma does not publish this information due to confidentiality restrictions.
<b>403-3</b> Workers with high incidence or high risk of diseases related to their occupation	Our operations present no high incidence or high risk for our employees.

## 7. Compliance (business ethics, transparency, anti-competitive behaviour, anti-corruption)

### GRI 103 Management Approach 2017

<b>103-1</b> Explanation of the material topic and its Boundary	We are in compliance with the local and national regulations in each of the countries where we operate. We also have codes of ethics in all of our sites worldwide that promote principles of transparency, legality, avoiding conflicts of interest, responsible use of resources, information management, fair and honest competition, supplier relations and impartiality, among others.
<b>103-2</b> The management approach and its components	
<b>103-3</b> Evaluation of the management approach	

### GRI 205 Anti-corruption 2017

<b>205-1</b> Operations assessed for risks related to corruption	100% of the cases related to any type of corruption that are reported to a superior, Human Resources or delivered to the Transparency Mailbox have a follow up.
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### GRI 206 Anti-competitive Behavior 2017

<b>206-1</b> Legal actions for anti-competitive behavior, anti-trust, and monopoly practices	Confidentiality constraints: Sigma does not publish this information due to confidentiality restrictions.
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### GRI 307 Environmental Compliance 2017

<b>307-1</b> Non-compliance with environmental laws and regulations	Confidentiality constraints: Sigma does not publish this information due to confidentiality restrictions.
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### GRI 419 Socioeconomic Compliance 2017

<b>419-1</b> Non-compliance with laws and regulations in the social and economic area	Confidentiality constraints: Sigma does not publish this information due to confidentiality restrictions.
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## 8. Water management, availability and efficiency

### GRI 103 Management Approach 2017

<b>103-1</b> Explanation of the material topic and its Boundary	Besides being an ingredient in our food products, we also use water in the majority of our processes, from cleanup and sanitation, to steam generation and condensers. This is why we work nonstop to optimize water consumption and support its conservation. We place particular attention on this resource in each step of our production process, managing its use correctly in the following aspects: supply, eco-efficiency, treatment.
<b>103-2</b> The management approach and its components	
<b>103-3</b> Evaluation of the management approach	<b>Environment</b>

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### GRI 303 Water 2017

#### 307-1 Water withdrawal by source

Source	m <sup>3</sup>
Surface water (wetlands, rivers, lakes and oceans)	
Groundwater	2,094,946.75
Rainwater	
Third-party Supplier	326,499.89
Municipal water supply	6,068,928
Total	8,490,374

The present information was obtained from monthly reports of plants and from estimations where there was no exact information available. For comparison purposes, the plants reported exclude new acquisitions and plants where there is no information for 2016.

## 9. Water treatment and discharge

### GRI 103 Management Approach 2017

<b>103-1</b> Explanation of the material topic and its Boundary
<b>103-2</b> The management approach and its components
<b>103-3</b> Evaluation of the management approach

We develop projects to ensure that our water complies with the required quality conditions for use, discharge, reuse or for other purposes. We measure the quality of the water we discharge and make sure it is within the applicable regulation.

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### GRI 306 Effluents and Waste 2017

#### 306-5 Water bodies affected by water discharges and/or runoff

There were no registered water bodies affected by discharges and/or runoff, due to Sigma's activities.

## 10. Energy management and efficiency

### GRI 103 Management Approach 2017

<b>103-1</b> Explanation of the material topic and its Boundary
<b>103-2</b> The management approach and its components
<b>103-3</b> Evaluation of the management approach

We strive to improve our processes and equipment in order to achieve greater profitability with a lower consumption of fuels and electricity. Across our operations, we have developed performance indicators that help us to establish and comply with our short and long-term reduction and consumption goals. At our operational sites, we carry out periodic technical assessments to identify areas for improvement and establish action plans.

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### GRI 302 Energy 2017

#### 306-5 Energy consumption within the organization

Total fuel consumption within the organization from non-renewable sources		
Diesel	1,105,162.05	Includes fuel from operating facilities as well as transport.
Fuel Oil H.V.	436,338.24	
Gasoline	125,699.99	
LP Gas	128,256.55	
Natural Gas	2,899,863.85	

#### Total fuel consumption within the organization from renewable sources

Renewable sources	-	76 sites working with wind power
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#### Energy consumed and sold

Electricity consumption	2,387,534	Sigma does not report consuming heating, cooling or steam. Sigma does not sell electricity, heating, cooling or steam.
Heating consumption	-	
Cooling consumption	-	
Steam consumption	-	
Electricity sold	-	
Heating sold	-	
Cooling sold	-	
Steam sold	-	

Total energy consumption within the organization (GJ)	7,082,854.27
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32

	The data was obtained directly from the operating facilities as well as our organizational units. The Greenhouse Gas Protocol was used as the source for the conversion factors needed throughout the previous calculations. For comparison purposes, the plants reported exclude new acquisitions and plants where there is no information for 2016.
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<b>302-3</b> Energy intensity	Energy intensity ratio for the organization (GJ/ton of food) 3.937
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	The energy intensity was calculated based on a the annual production and includes fuel and electric energy within the organization, both production and distribution of the products.
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<b>302-4</b> Reduction of energy consumption	Reductions of consumption in production facilities in the following fuels: Diesel, and LP Gas.
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## 11. Value chain management - Suppliers

<b>GRI 103</b> Management Approach 2017	
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<b>103-1</b> Explanation of the material topic and its Boundary	It is very important for us to select and develop suppliers with whom we can work as a team in order to create sustainable, mutually beneficial, long-term relationships. We operate under a Global Supply Policy, with outlines the criteria for supplier selection. In addition, we have an internal Supplier Certification program through which we carry out technical assessments in order to find areas for improvement in safety, efficiency and profitability.
<b>103-2</b> The management approach and its components	
<b>103-3</b> Evaluation of the management approach	<b>Shared Value</b>

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<b>GRI 308</b> Supplier Environmental Assessment 2017	
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<b>308-1</b> New suppliers that were screened using environmental criteria	We are currently working on incorporating environmental criteria in order to evaluate suppliers.
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<b>308-2</b> Negative environmental impacts in the supply chain and actions taken	Our suppliers are not currently screened using environmental criteria; it is however an aspect that is reviewed when looking for new suppliers, but it does not influence the decision to either carry on or end the business relationship. We are currently working on assessing our suppliers in environmental criteria.
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<b>GRI 414</b> Supplier Social Assessment 2017	
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<b>414-1</b> New suppliers that were screened using social criteria	We are currently working on incorporating social criteria in order to evaluate suppliers.
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<b>414-2</b> Negative social impacts in the supply chain and actions taken	Our suppliers are not currently screened using social criteria; it is however an aspect that is reviewed when looking for new suppliers, but it does not influence the decision to either carry on or end the business relationship. We are currently working on assessing our suppliers in social criteria.
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## 12. Value chain management - Clients

<b>GRI 103</b> Management Approach 2017	
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<b>103-1</b> Explanation of the material topic and its Boundary	We are aware that exceeding customer and consumer expectations is essential to achieve commercial results that guarantee all the previous work of the productive chain. We take the necessary measures to open communication channels that allow us to better understand their needs, concerns and suggestions and also to inform them of the benefits of our products, services and programs. The evaluation is done through the communication channels, with the concerns and suggestions our customers raise.
<b>103-2</b> The management approach and its components	
<b>103-3</b> Evaluation of the management approach	<b>Shared Value</b>

14

<b>13. Greenhouse gas and other emissions</b>	
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<b>GRI 103</b> Management Approach 2017	
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<b>103-1</b> Explanation of the material topic and its Boundary	At Sigma, we are convinced that implementing initiatives that contribute to limiting greenhouse gas emissions is a shared responsibility. We focus on finding alternative sources of energy that help us minimize our carbon footprint. In this task, we have several options, including cogeneration of electricity, wind, biomass, solar power and ecological gases, as well as hybrid vehicles. By monitoring our emissions and adopting new technologies, we have been able to progressively mitigate CO2e emissions.
<b>103-2</b> The management approach and its components	
<b>103-3</b> Evaluation of the management approach	<b>Environment</b>

32

## GRI 305 Emissions 2017

<b>305-1</b> Direct (Scope 1) GHG emissions	Gross direct (Scope 1) GHG emissions (ton CO2e) = 296,790
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The data was obtained directly from operating facilities and transport. The GHG Protocol was used as the source for the conversion factors needed throughout the previous calculations. For comparison purposes, the plants reported exclude new acquisitions and plants where there is no information for 2016.

<b>305-2</b> Energy indirect (Scope 2) GHG emissions	Gross indirect (Scope 2) GHG emissions (ton CO2e) = 197,587
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The data was obtained directly from operating facilities as well as our organizational units worldwide. The GHG Protocol was used as the source for the conversion factors needed throughout the previous calculations. For comparison purposes, the plants reported exclude new acquisitions and plants where there is no information for 2016.

<b>305-4</b> GHG emissions intensity	GHG emission intensity ratio for the organization (GJ/tons of food) 0.275
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The GHG emission intensity was calculated based on a the annual production and includes all emissions within the organization, both production and distribution of the products, within direct and indirect energy emissions.

<b>305-5</b> Reduction of GHG emissions	This year, 76 of our operating sites received wind power and 2 consume energy from a cogeneration system. Thanks to our clean energy implementations we were able to avoid emitting 79,443 ton of CO2e.
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The emissions reduced are direct emissions that were avoided through clean energy implementations, comparing to the emissions the company would have had if it bought the energy from the national grid. We were able to reduce more than 20,800 tons of CO2e compared to 2016, even though our Global Emission Factor and our production increased 5% and 1% respectively.

## 14. Non-food waste reduction, recycling and handling

<b>GRI 103</b> Management Approach 2017	
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<b>103-1</b> Explanation of the material topic and its Boundary	We believe an effective waste management strategy must have its main focus on minimizing waste from its origin, separating it at our facilities and maximizing recycling prior to final disposal. For more than 10 years, at Sigma we have invested in packaging research and innovation, working as a team with suppliers and renowned universities in several countries to develop dozens of patents and industrial designs. We evaluate the results of the waste reduction initiatives by comparing the amount of waste generated to previous years.
<b>103-2</b> The management approach and its components	<b>Environment</b>

32

<b>GRI 305</b> Effluents and Waste 2017	
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<b>305-1</b> Significant spills	There are no registered significant spills
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## 15. Local community engagement and volunteering

<b>GRI 103</b> Management Approach 2017	
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<b>103-1</b> Explanation of the material topic and its Boundary	At Sigma, we train our employees to become agents of change who actively participate in the development of the communities at all our operating sites. We focus our social development efforts on carrying out community works, such as in-kind donations, reforestation, maintenance and infrastructure works at parks and schools, visits to foster homes and aiding our employees in case of natural disasters, to name a few.
<b>103-2</b> The management approach and its components	<b>Wellbeing</b>

26

<b>GRI 413</b> Local Communities 2017	
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<b>413-2</b> Operations with significant actual and potential negative impacts on local communities	None of our operations are known to have negative impacts on local communities.
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