

ITALIAN FOOD TECHNOLOGY INDUSTRY ANIMA/ASSOFOODTEC

Milan, 12th September 2019



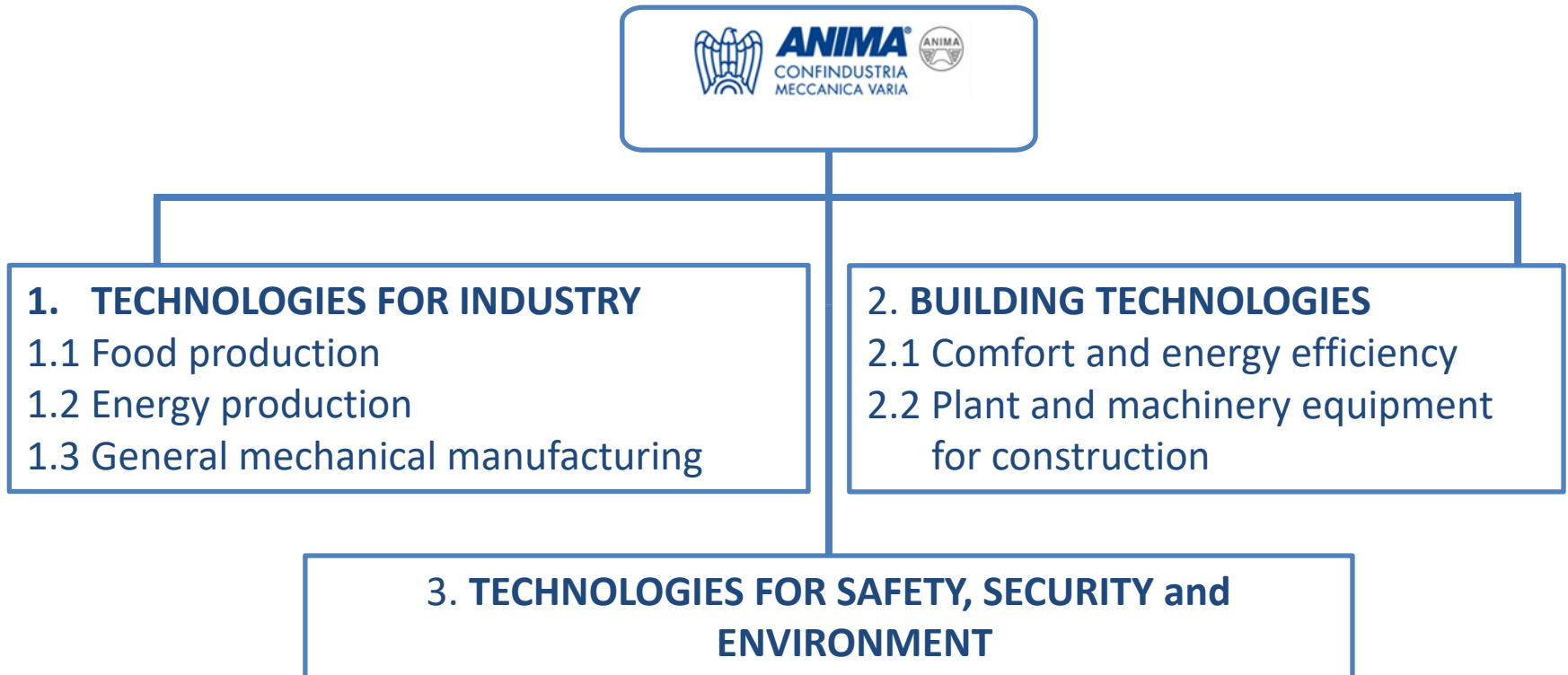
Member of



ANIMA[®]
CONFINDUSTRIA
MECCANICA VARIA



- ANIMA Federation was established in 1914 and represents the mechanical and engineering industries within Confindustria (Confederation of Italian Industries).
- ANIMA has been publisher of the monthly magazine “**L’Industria Meccanica**” since 1919
- **More than 30 trade associations, representing 60 manufacturing sectors, join the Federation, and gather in the whole 1,000 member-companies employing about 214.000 units.**
- The mechanical and engineering sectors represented by ANIMA have a **turnover of 49 billion euro, 59% of which from export.**





Solutions and services for the secure storage of goods and values



Italian Association of Meter Manufacturers



Italian Association of Lifting, Elevation and Handling System Manufacturers



Italian Association of Welding, Cutting and Related Technology Companies



Italian Association of Water Treatment Equipment and Product Manufacturers



Italian Association of manufacturers of vehicle chains



Italian Association of Air Treatment Equipment Manufacturers



Italian Association of Lock, Hardware and Handle Manufacturers



Italian Association of Machinery and Plant Manufacturers for Food Production, Processing and Preservation



Italian Association of Electro-welded and Pressed Steel Grating and Fencing Manufacturers



Italian Association of Pump Manufacturers



Italian Association of Road Traffic Sign Manufacturers and Distributors



Heating System, Component and Equipment Manufacturers' Association



Italian Association of Valve and Fittings Manufacturers



Italian Association of Noise Reduction Material and Equipment Manufacturer



Italian committee of industrial furnace manufacturers



Gas-fired Air Conditioning Appliance Manufacturers' and Distributors' Association



Italian Association of Compressor, Pump and Compressed Air Treatment Equipment Manufacturers



Italian Association of Cutlery, Flatware, Hollowware and Cookware Manufacturers



Italian Association of Manufacturers and Distributors of Cogeneration Systems



Italian Association of Industrial Plant Erection and Maintenance Contractors



Italian Association of Boiler and Pressure Vessel Manufacturers



Italian surface treatment equipment manufacturers' association



Unione costruttori italiani di ruote



Italian Association of Construction Equipment Manufacturers



Italian Association of Gas Regulators Manufacturers



Turbine Manufacturers Association



Italian Association of Environmental Technology Suppliers



Italian Association of Firefighting Equipment Manufacturers



Power-operated gate and door automatic entry and system manufacturers

ANIMA is part of ORGALIM



National Associations

Austria
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FMMI



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Bulgaria
BASSEL



Croatia
Croatian Chamber of Economy
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DI



Finland
Federation of Finnish
Technology Industries



France
FIEEC
FIM



Germany
VDMA
WSM
ZVEI



Wirtschaftsverband Stahl- und Metallverarbeitung e.V.



Great Britain
BEAMA
EAMA
GAMBICA



Hungary
MAGEOSZ



Ireland
IEEF



Italy
ANIE
ANIMA



Latvia
MASOC



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LINPRA



Luxembourg
ILTM



The Netherlands
FME
METAALUNIE



Norway
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Poland
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Portugal
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TEKNIKFÖRETAGEN



Sector Associations

AFECOR



CEIR



EFCEM



EGMF



EURALARM



EUROPUMP

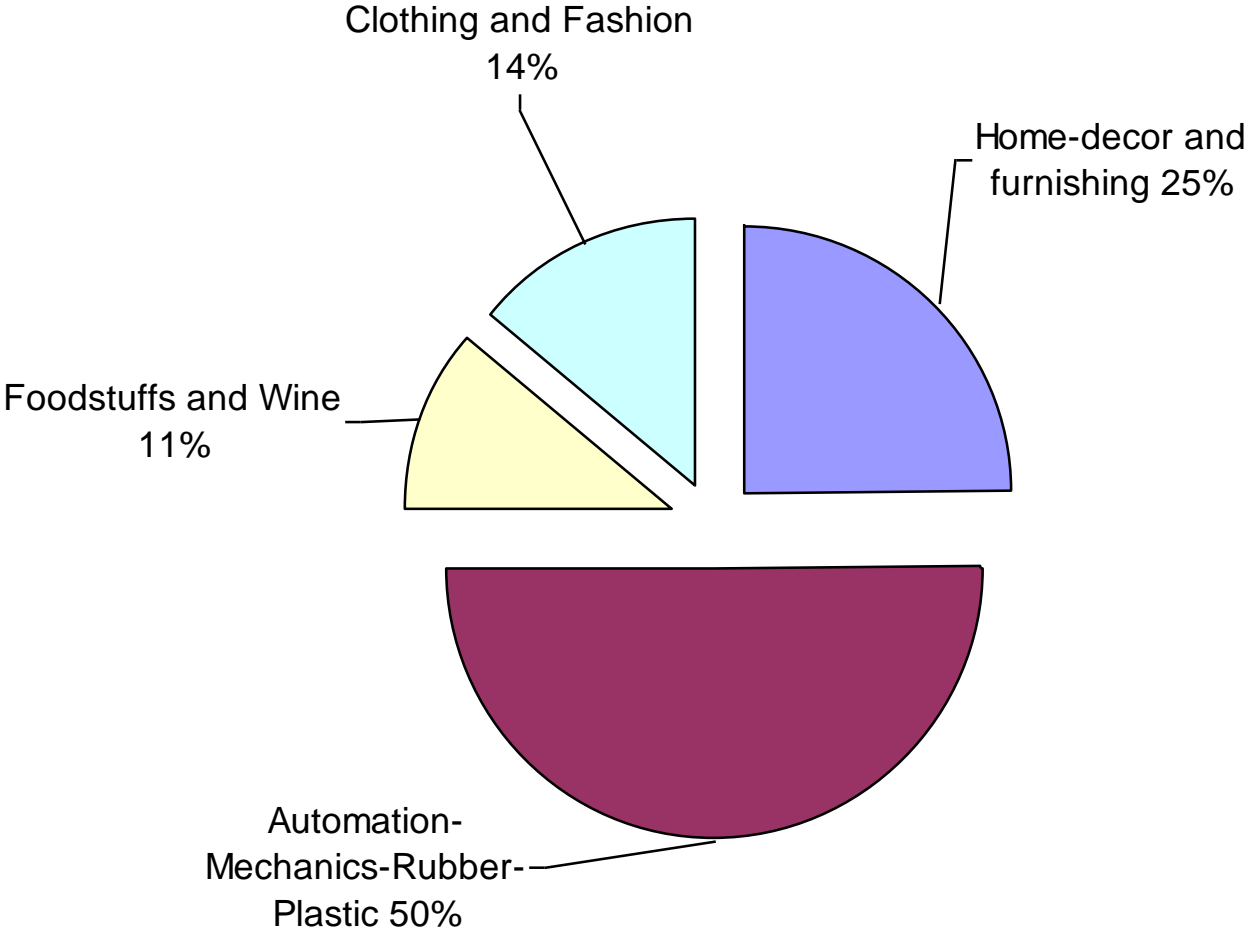


PNEUROP



- The Made in Italy is renowned world-wide. The Italian export takes advantage from some well reputed food, fashion and furniture products that first succeeded in imposing themselves on the international market.
- Nowadays, among the Italian world famous industries we should put the mechanical and engineering sectors which includes metal products, machineries and mechanical devices mostly represented by Anima Federation.

EXPORT MADE IN ITALY



Performances 2018 - Forecast 2019

- Export is a key element for ANIMA technologies growth, representing more than 59% of total ANIMA turnover
- Investment in new technologies and Industry 4.0 solutions have been strongly increased between 2016 and 2017 (double digit per year) thanks to Government incentives to renovate Factories plants with more efficient and interconnected production technologies

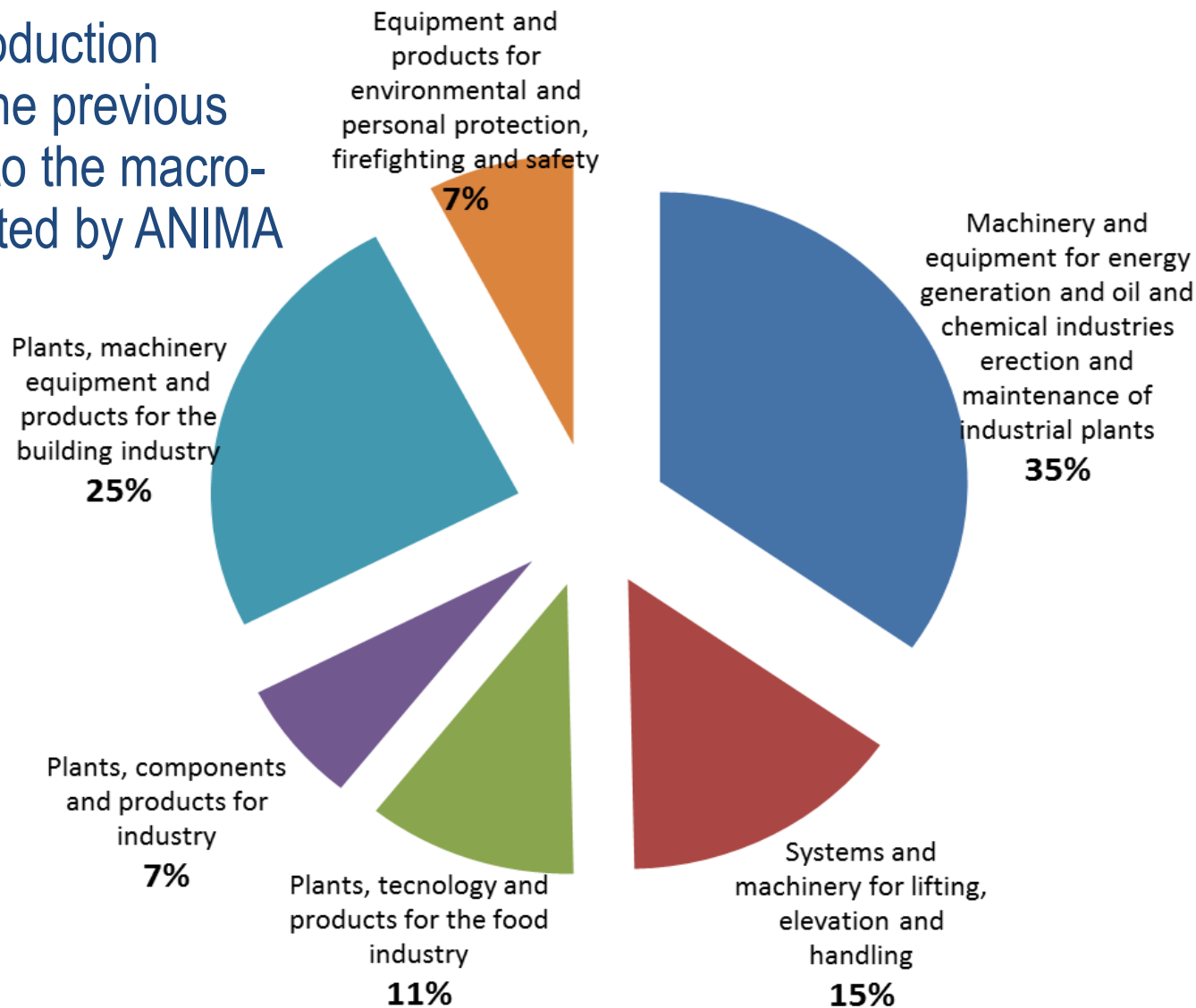
	2018	2019*	'18 vs '17	'19* vs '18
PRODUCTION	48,5 Bn €	49 Bn €	+2.4%	+1.1%
EXPORT	28,2 Bn €	28,6 Bn €	+2.3%	+1.3%
INVESTMENTS	1,17 Bn €	1,19 Bn €	+6.9%	+2.1%
EMPLOYMENT	214,000	214,238	+0.1%	+0.1%

SOURCE: ANIMA Economic Department –Istat data processing

*estimates 2019

TOTAL TURNOVER ACCORDING TO PRODUCT DIVISION

- Value of the production considered in the previous slide divided into the macro-areas represented by ANIMA



ANIMA: Where can you find us

Partner of international trade exhibitions held in FieraMilano Exhibition Center:

HOST (Ho.Re.Ca. Food Tech.) MILANO, 18-22 Oct. 2019

MCE (Green, Comfort & Energy Efficiency Tech.) MILANO, Mar. 2020

Meat Tech (Food Processing Tech.) MILANO, May 2021

IntraLogistica (Lifting, Handling, Autom. Warehouses) MILANO, May 2021

ANIMA is an active participant in partnership with ITA, Italian Trade Agency, in Middle East exhibitions focused on Oil&Gas such as Adipec (Abu Dabhi) and Iran Oil Show (Teheran), as well as in Italy at spcOMC (Ravenna) and IVS (Bergamo).

ASSOFOODTEC Italian Association of Machinery and Plant Manufacturers for Food Production, Processing, Preservation



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Assofoodtec is **the national trade Association** that represents the Machinery and Plant Manufacturers for Food Production, Processing and Preservation.



Food Slicers, Mincing Machines and Similar Equipment Manufacturers

ASSOCOLD – Refrigeration Technologies Manufacturers

UCIMAC – Espresso Coffee Machines Manufacturers

COMACA – Meat Processing Equipment Manufacturers

UCMA – Food Processing Equipment Manufacturers

Vending Technologies Manufacturers

ASSOFOODTEC counts more than **120 member companies** from all over the country, including the industry leaders. The highest concentration of members lies in the Emilia Romagna, Lombardy, Veneto regions.

The association represents an industrial branch with a turnover of around **5,3 Billion euro**, of which 66% is destined for foreign markets. Thanks to the above estimate, Italy is indeed in the first main exporting countries worldwide.

FOOD TECHNOLOGIES: Plants, technology and products for food industry



- Milling machines, bakery, confectionery and pizza making machines, pasta and extruded foodstuff machines
- Espresso coffee machines and bar equipment
- Slicers, meat grinders and other equipment for restaurants and hotels
- Industrial and commercial refrigeration equipment
- Meat processing equipment
- Flatware & Cookware

PRODUCTION 2018

5.3BN€

+2.5%

EXPORT 2018

3.5BN€

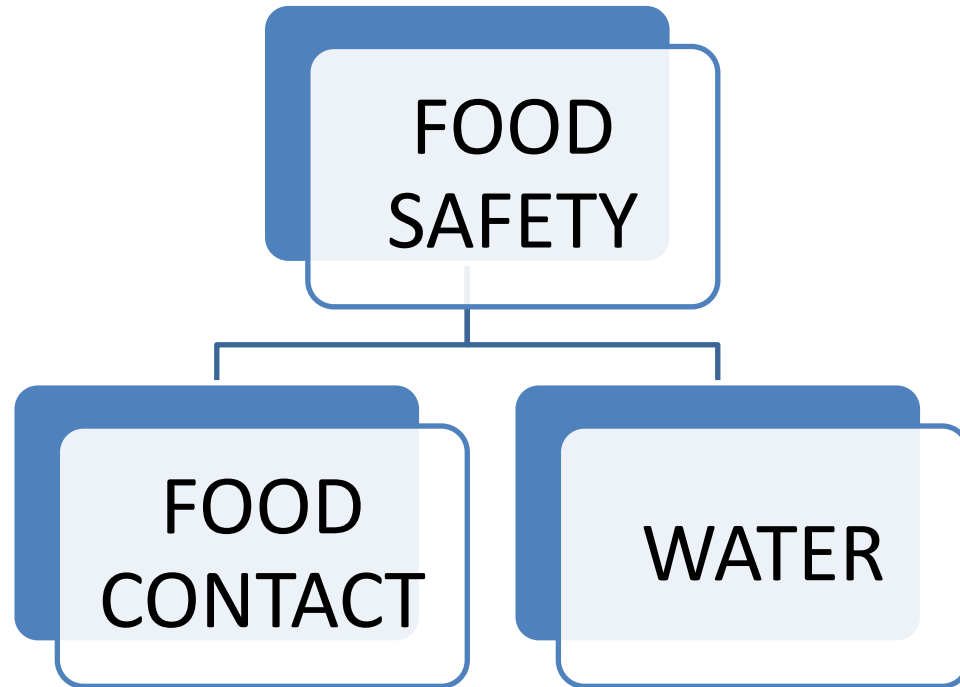
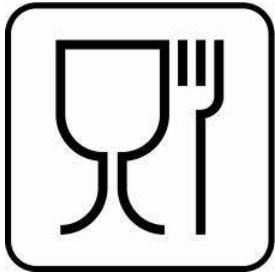
+2.6%

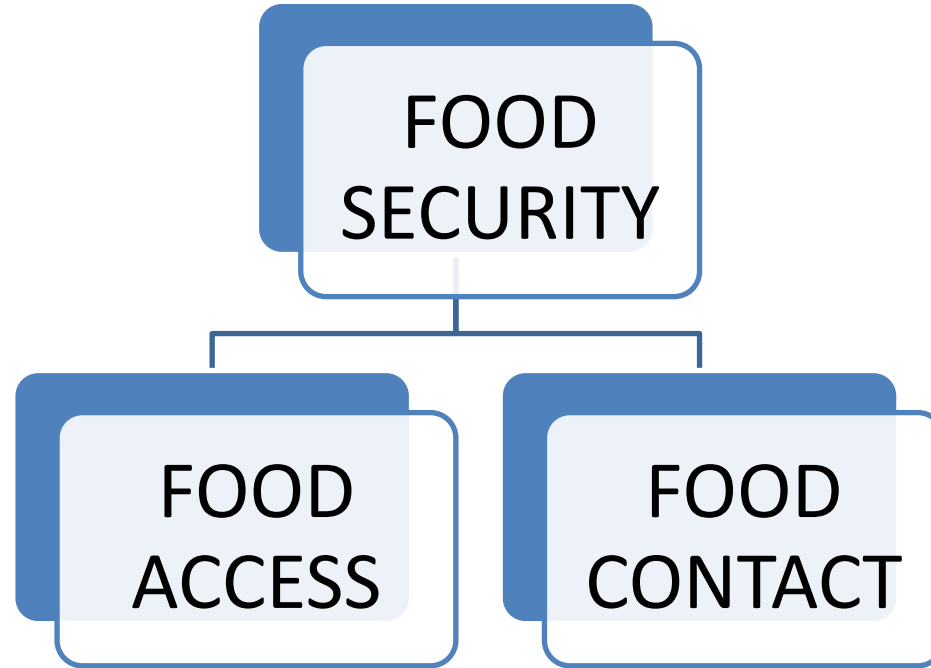
EMPLOYMENT 2018

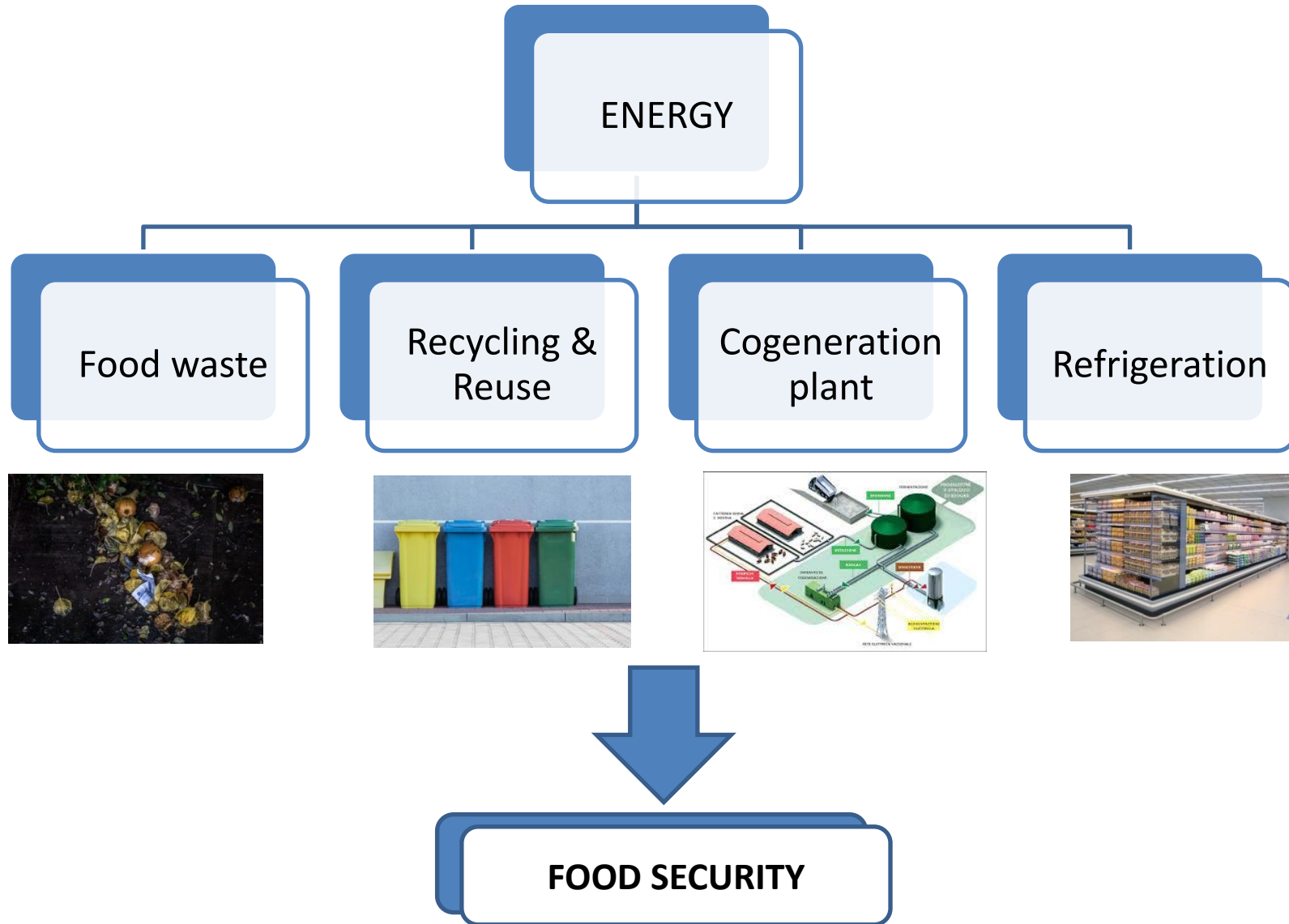
22k

+0.3%









From farm to farming company



From farmers to
FARMING ENTREPRENEURS

SKILLS

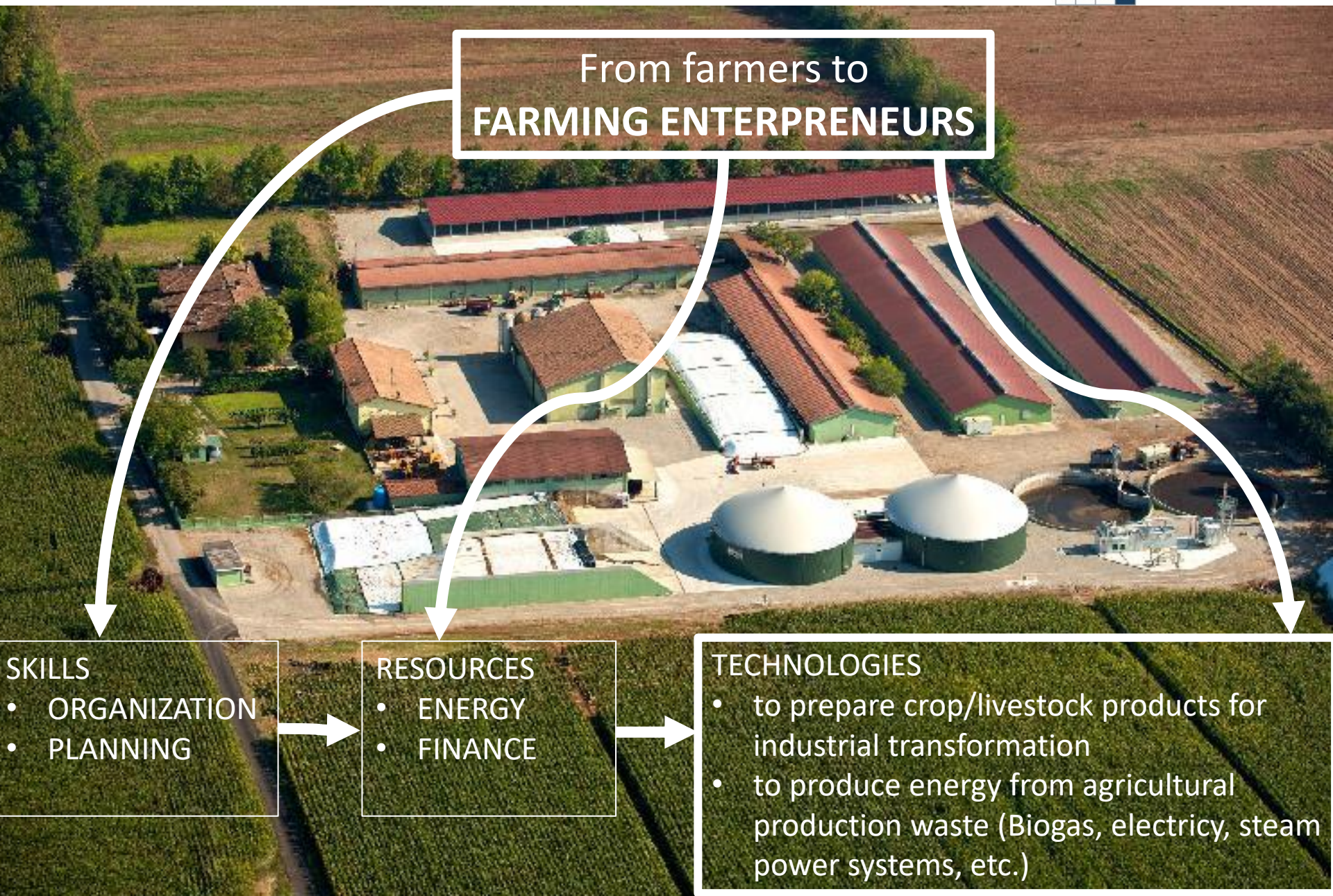
- ORGANIZATION
- PLANNING

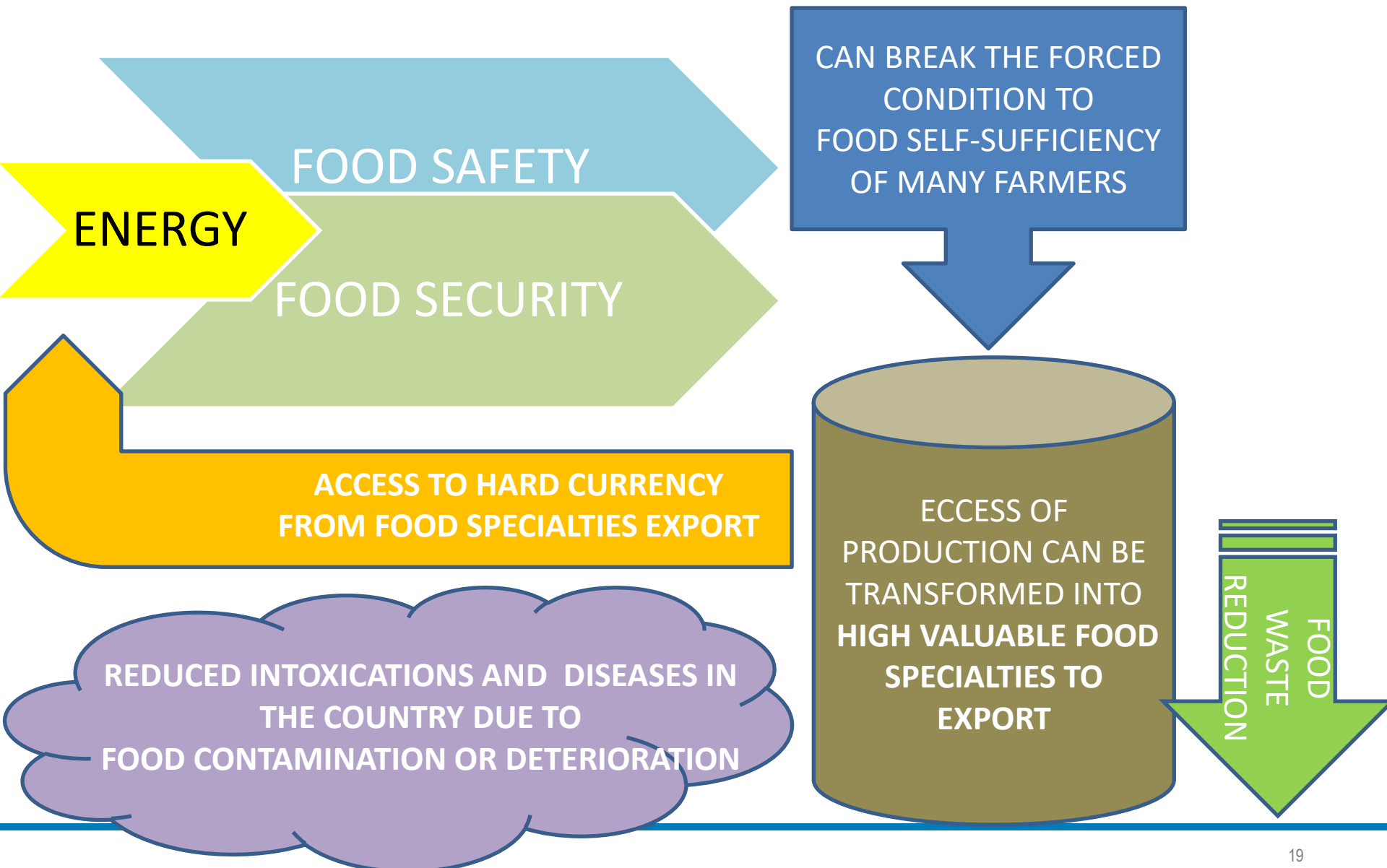
RESOURCES

- ENERGY
- FINANCE

TECHNOLOGIES

- to prepare crop/livestock products for industrial transformation
- to produce energy from agricultural production waste (Biogas, electricy, steam power systems, etc.)





Process innovation:

- Digital processing 4.0: new systems have revolutionized the way pasta is dried. An avant-garde system yielding higher quality pasta in less time
- Integrated software that controls the duration of each individual stage according to the drying diagram settings, possibility to keep the temperature and humidity conditions constant by transferring excess humidity from one zone to another



Process innovation:

- Food processing system traceability engine built into and records every process step, based on individual items or lots for all production processes, from reception to dispatch
- Inspection equipment uses cutting-edge X-ray technology to find bones and other foreign objects in raw material



Process Innovation:

- **Digital processing and future farm 4.0**
- Robotic lines for **the highest quality standards**
- SAP HANA database for **real time big data management**
- Digital printer on sheet metal for customization of **high quality printing**
- Predictive algorithms for **advanced and efficient remote surveillance service**



Product Innovation:

- **Improvement** of the coffee's extraction quality and **improvement** of the service to the customer
- **Attention to ergonomics** to simplify the barista's work by **automating those routine functions** that **do not add value to the service**.
- **Reduction of environmental impact:** the Italian companies are **acting on the choice of materials to reduce the carbon foot print of the product**, during production and at the end of its life, and on **energy consumption reduction**. Four years ago, Ucimac was the promoter and the association is coordinating an european standardization working group on the energy consumption of espresso coffee machines.



Product Innovation:

- **Improvement** of the quality and safety standard's.
- **Attention to ergonomics** to simplify the operator's work by **simplifying** the machines.
- **Use of refrigerated machines** to **improve** the food preservation and **reduce waste of food**.
- **Use of Wi-Fi transmitters** on machines, to have in real time control of **correct functioning** and, with proprietary algorithm, **predictive manutention** and **immediate warning** in case of fault.
- **Reduction of environmental impact:** the Italian companies are **acting on the choice of materials** (like high efficiency motors) to **reduce the carbon foot print of the product**, during production, the use itself and at the end of its life, and on energy consumption reduction.
- **Development of food preservation techniques** such as **vacuum packing and drying**, to **increase food storage time** and **reduce waste**.



Thank You!

www.anima.it

www.assofoodtec.it

www.industriameccanica.it

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The Federation of the Italian Associations
of Mechanical and Engineering Industries



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