



A COMPREHENSIVE APPROACH TO SUSTAINABILITY

2 protagonisti della filiera italiana



MISSION

“To be a European leader in the processed fruit and vegetable industry in order to give more value to agricultural products grown by associated farmers and guarantee food quality and safety to consumers with proprietary brands and through the cooperative supply chain”

MAIN PRODUCT LINES

FRUIT

Nectars and
fruit juices,
Canned fruit,
Jams

TOMATO

Peeled
tomatoes,
Puree,
Pulp,
Enriched pulps,
Ketchup,
Sauces,
Concentrate

VEGETABLES

Peas,
Beans,
Green beans,
Chick peas,
Sweet corn,
Cereals,
Ratatouille,
Dry legumes

OTHERS

Soft drinks,
Italian-style
appetizers

BRANDS



Fruit juices and nectars, canned vegetables and legumes, canned fruit, jams, tomato products



Canned fruits and vegetables, tomato products (Ho.Re.Ca.)



Tomato products and sauces, canned vegetables



Canned vegetables and legumes, tomato products (Ho.Re.Ca.)



Fruit juices and nectars, soft drinks



Fruit juices and nectars, soft drinks



Tomato products, canned vegetables and fruits, jams



Fruit and vegetables preserves (Ho.Re.Ca.)



Fruit juices and nectars, soft drinks

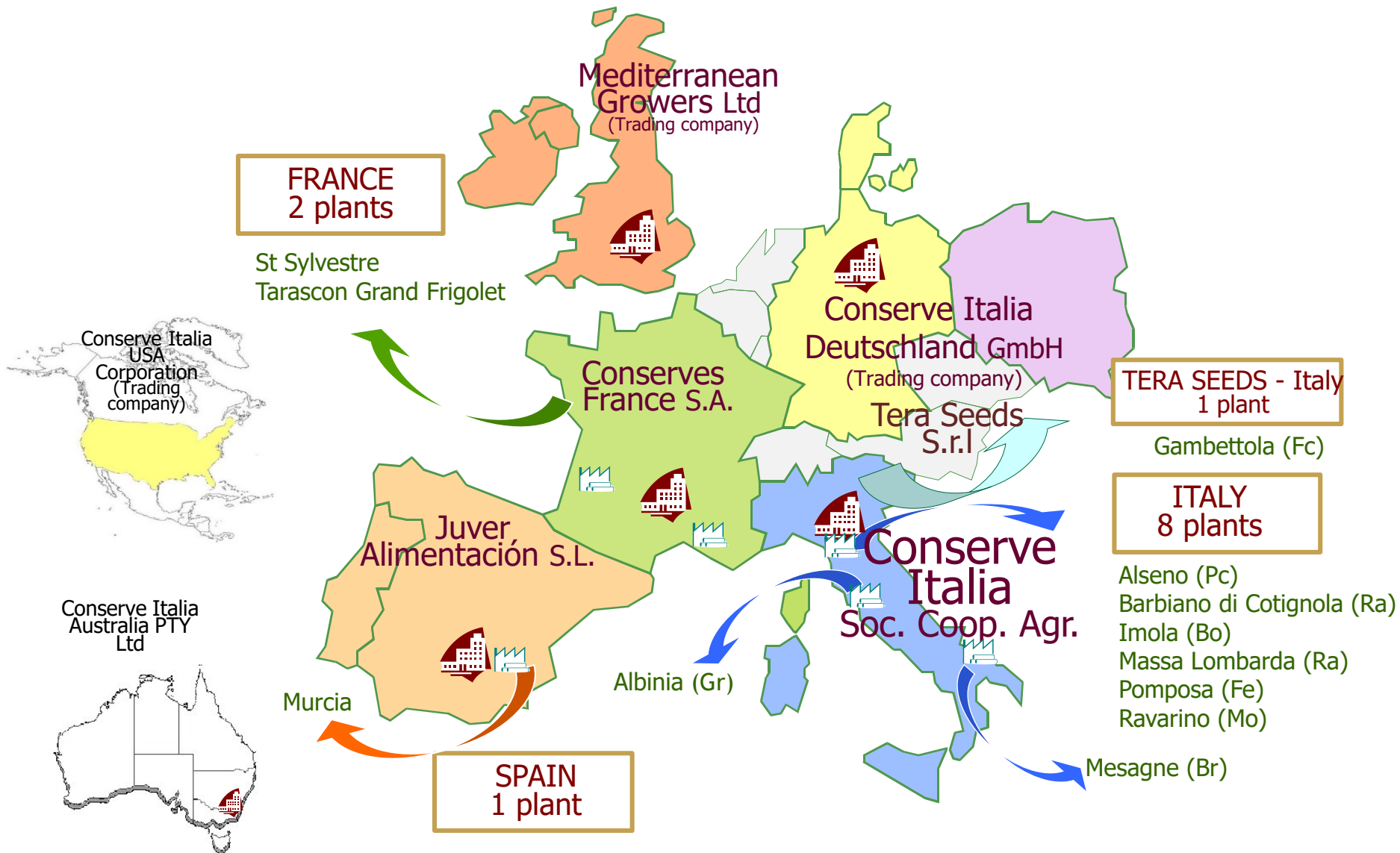


Ready to eat



Ethnic specialties

COMPANIES AND PLANTS IN EUROPE



AGRI-FOOD CHAIN SUSTAINABILITY

RENEWABLE ENERGY

Certification issued by CRE (Energy Resource Consortium) for entire Valfrutta production with renewable energy



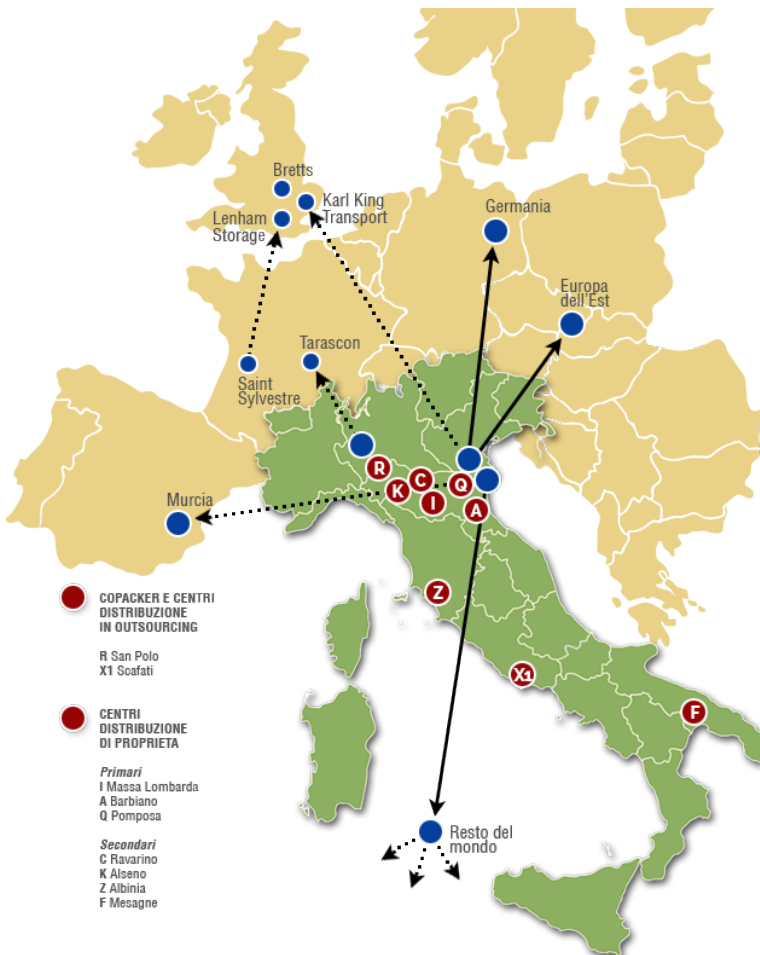
Cogeneration plants in many sites
Electricity + heat → saving 1500 Tep

Biogas plant → 7000 Mwh
Biodigestion of production residues + maize



AGRI-FOOD CHAIN SUSTAINABILITY

MULTIMODAL TRANSPORT OVER RAIL











Transport mode	Ton	% vs. Total
Total deliveries to Italy and abroad	706,509	100%
Multimodal transport	144,449	20%

AGRI-FOOD CHAIN SUSTAINABILITY

ENVIRONMENTAL PRODUCT DECLARATION



 Gran Cubetti chopped tomatoes	 Cultivation and Packaging	 Production	 Distribution	 From cultivation to distribution
 ECOLOGICAL FOOTPRINT	2,91	0,69	0,17	3,77 m2a/kg
 CARBON FOOTPRINT	0,80	0,27	0,07	1,14 kg CO ₂ eq/kg
 WATER FOOTPRINT*	107,9	3,9	0,5	112,3 kg/kg

* The complete Water Footprint Profile is reported on page 17. This table shows the Indicator considered to be more representative.

This EPD constitutes the first issue within the EPD process system of Conserve Italia, so it cannot be compared with previous versions certified as single EPDs.

- OBJECTIVE.** Environmental performance is calculated using the life cycle analysis methodology (Life Cycle Assessment, LCA), following the ISO 14040 series.
- CREDIBLE.** The EPD is verified by a third-party body.
- COMPARABLE.** EPDs belonging to the same product category are comparable since they are developed according to the same rules and requirements (PCR, Product Category Rules).

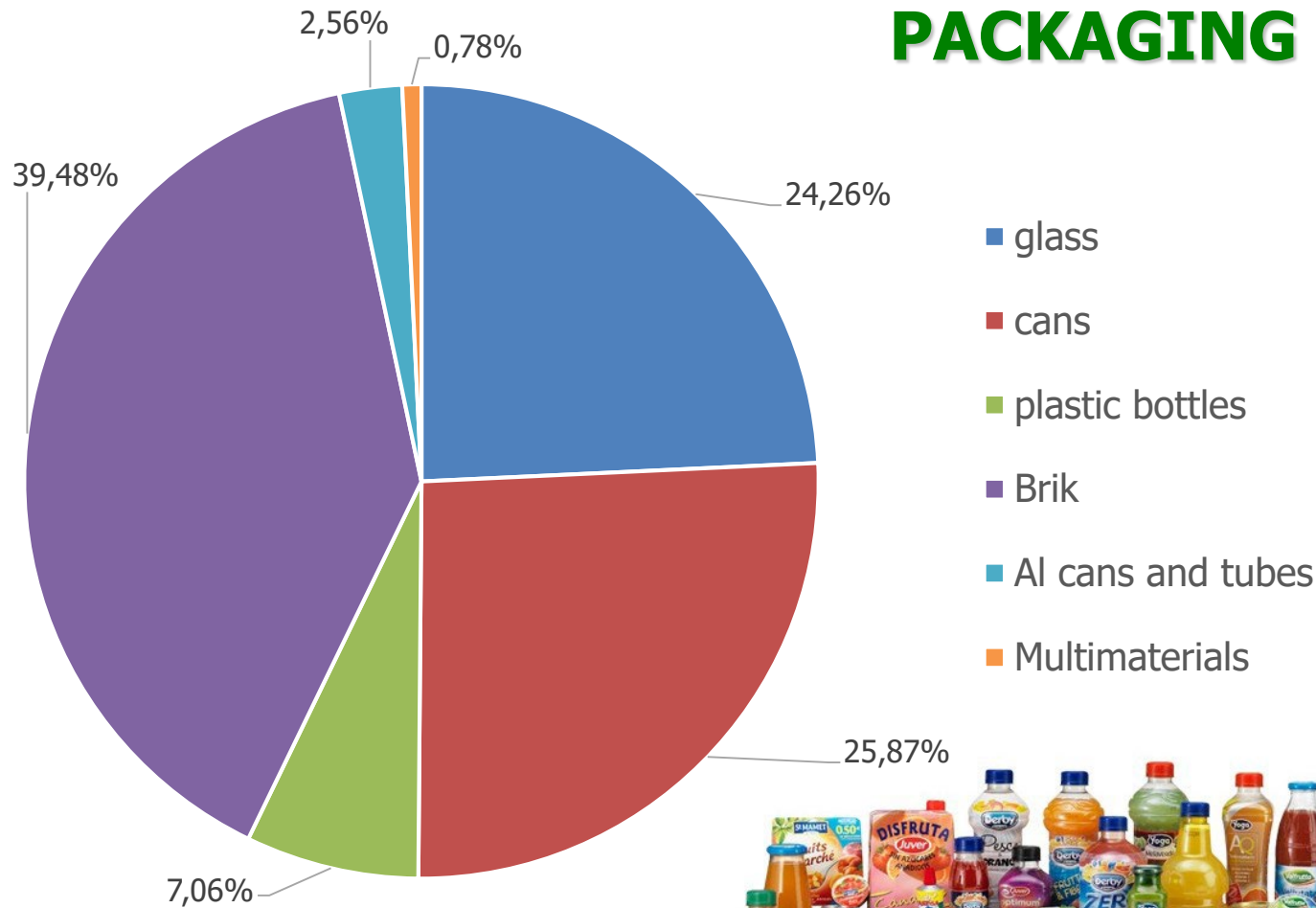


The methodology used in order to evaluate the environmental performance of the product is the **Life Cycle Assessment (LCA)**, according to the ISO 14040-14044 standards. The goal of the LCA study is to evaluate the potential environmental impact associated to the production of chopped tomatoes "gran cubetti" in cluster of 3 x 400g tin-plated steel cans.

The **Water Footprint Profile** is calculated in accordance to ISO 14046 standard, through a Water Footprint Assessment integrated in the LCA study.

PACKAGING SUSTAINABILITY

PACKAGING MATERIALS



PACKAGING SUSTAINABILITY



GLASS PROS & CONS



LONG SHELF LIFE
TOTAL BARRIER (gas, oxygen)
TRANSPARENT
REUSABLE
FULLY RECYCLABLE

- 74% recycled in Europe
- Up to 90% energy saving if recycled



HEAVY PACKAGING
FRAGILE
EXPENSIVE
MOSTLY ROUND SHAPED— no
optimisation in transport and
warehouses
COLOURED GLASS LESS RECYCLABLE

PACKAGING SUSTAINABILITY



METAL PROS & CONS



UNBREAKABLE
STACKABLE
LONG SHELF LIFE
TOTAL BARRIER (light, gas, oxygen)
FULLY RECYCLABLE

- 75% recycled in Europe
- 95% energy saving if Al is recycled

HEAVY PACKAGING
MOSTLY ROUND SHAPED— no
optimisation in transport and
warehouses

PACKAGING SUSTAINABILITY



PET BOTTLES PROS & CONS



UNBREAKABLE
LIGHT PACKAGING
CHEAP PACKAGING
RECYCLABLE



SHORT SHELF LIFE
NEEDS OXYGEN BARRIER
MOSTLY ROUND SHAPED— no
optimisation in transport and
warehouses
MASS MEDIA PRESSURE

- 25% RPET (2025) - > 30% RPET (2030)
- CAPS ATTACHED TO CONTAINER (2024)



PACKAGING SUSTAINABILITY

BRIK PROS & CONS



UNBREAKABLE
LIGHT PACKAGING
OPTIMISED TRANSPORT AND
WAREHOUSE
GOOD BARRIER (light, gas, oxygen)
RECYCLABLE (usually as paper)



MULTI MATERIAL (with Aluminum)



- BAN ON PLASTIC STRAWS (2021)
- CAPS ATTACHED TO CONTAINER (2024)



PACKAGING SUSTAINABILITY

MULTI MATERIALS PROS & CONS



UNBREAKABLE
LIGHT PACKAGING
CHEAP PACKAGING
GOOD BARRIER (light, gas, oxygen)



MULTI MATERIAL (with Aluminum)
NOT RECYCLABLE
NOT STACKABLE



PACKAGING SUSTAINABILITY

PROJECTS: COMPLETED

LIGHTWEIGHTING OF PET BOTTLES

Saved 600 tons of PET / year

- 15% on 0,25 L bottle
- 20% on 0,5 L bottle
- 15% on 1 L bottle
- 20% on 1,5 L bottle

A whiteboard with a silver frame and a white surface. The words "HOW TO..." are written in large, bold, red capital letters. A red eraser is visible at the bottom of the board.

HOW
TO...

3 YEARS OF TESTS:

- New design of bottles (when necessary)
- Production tests → modification to lines
- Logistic tests
- Confirmation of shelf life

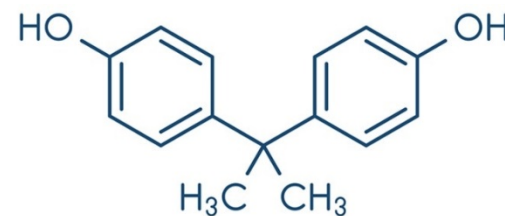
PACKAGING SUSTAINABILITY

PROJECTS: COMPLETED



BPA FREE PACKAGING

- Polyester BPANIA varnish instead epoxyphenolic varnish
- CANS
- LID FOR GLASS JARS
- ALUMINUM TUBES



bisphenol A

HOW
TO...

5 YEARS OF TESTS:

- Pack tests with all products
- Migration tests
- Evaluation of shelf life



PACKAGING SUSTAINABILITY

0%

100%

ALMOST DONE

**PROJECTS: ALMOST COMPLETED
PLASTIC STRAW BAN**



PAPER STRAW

TESTS:

- Research for suppliers
- Paper wrapping for straw (not compulsory)
- Production tests → modification to lines
- Migration test
- Sensory test



PACKAGING SUSTAINABILITY

0%

100%

ALMOST DONE

PROJECTS: ALMOST COMPLETED R-PET

**EU REGULATION:
25% R-PET IN PET BOTTLES
(2025)**

**ITALIAN REGULATION:
AT LEAST 50% VIRGIN PET
IN PET BOTTLES**



TESTS:

- Research for suppliers
- Production tests (30% R-PET)
- Migration tests
- Shelf life confirmation



PACKAGING SUSTAINABILITY

0%

100%

ALMOST DONE

PROJECTS: ALMOST COMPLETED PVC FREE CAPS



- DONE ON CROWN CAPS FOR JUICES IN 2008

- ON GOING ON TWIST OFF CAPS

**REQUIRES DIFFERENT TECHNOLOGY FOR
GASKET PRODUCTION
NOT YET AVAILABLE FOR ALL SIZES**



PACKAGING SUSTAINABILITY



**WORK
IN PROGRESS**

PROJECTS: ALWAYS ON GOING LIGHTWEIGHTING

- PRIMARY PACKAGING
- SECONDARY PACKAGING
- TERTIARY PACKAGING

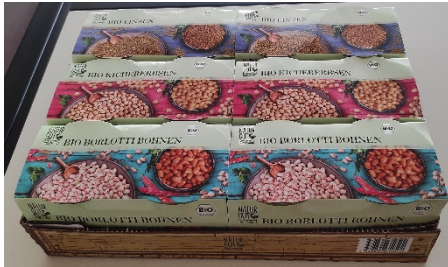


PACKAGING SUSTAINABILITY

**WORK
IN PROGRESS**

PROJECTS: ALWAYS ON GOING LESS PLASTIC

- OPEN TOP TRAYS – NO PLASTIC WRAP
- NO SECONDARY PACKAGING – BIG TRAYS



PACKAGING SUSTAINABILITY

PROJECTS: WORK IN PROGRESS

NO PLASTIC SPOON AND STRAWS

**SPECIAL
REQUEST**

- RESEARCH FOR NEW MATERIALS

- PHA

- LIGNIN

- OTHERS?

- RESEARCH FOR CONVERTERS



PACKAGING SUSTAINABILITY



100%



RECYCLABLE

99% OF PACKAGING ALREADY RECYCLABLE

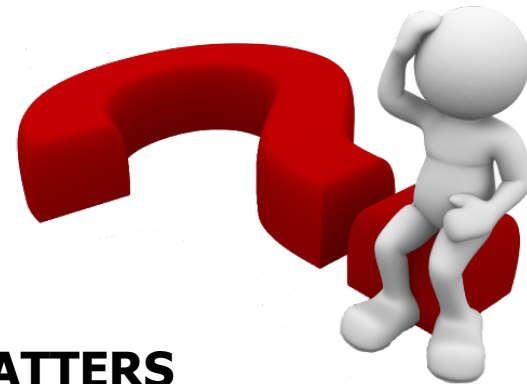
**COLLABORATION WITH SUPPLIERS OF FOIL LINED
PACKAGING FOR:**

- **ELIMINATION OF ALUMINUM**
- **MONOMATERIAL**

PACKAGING SUSTAINABILITY



- **REGULATORY MATTERS**
- **ETHICAL MATTERS**
- **POLLUTION MATTERS**
- **SORTED WASTE COLLECTION MATTERS**

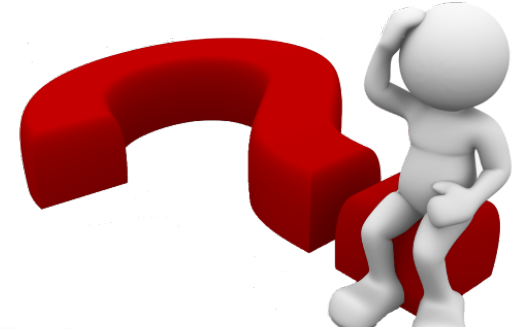


PACKAGING SUSTAINABILITY

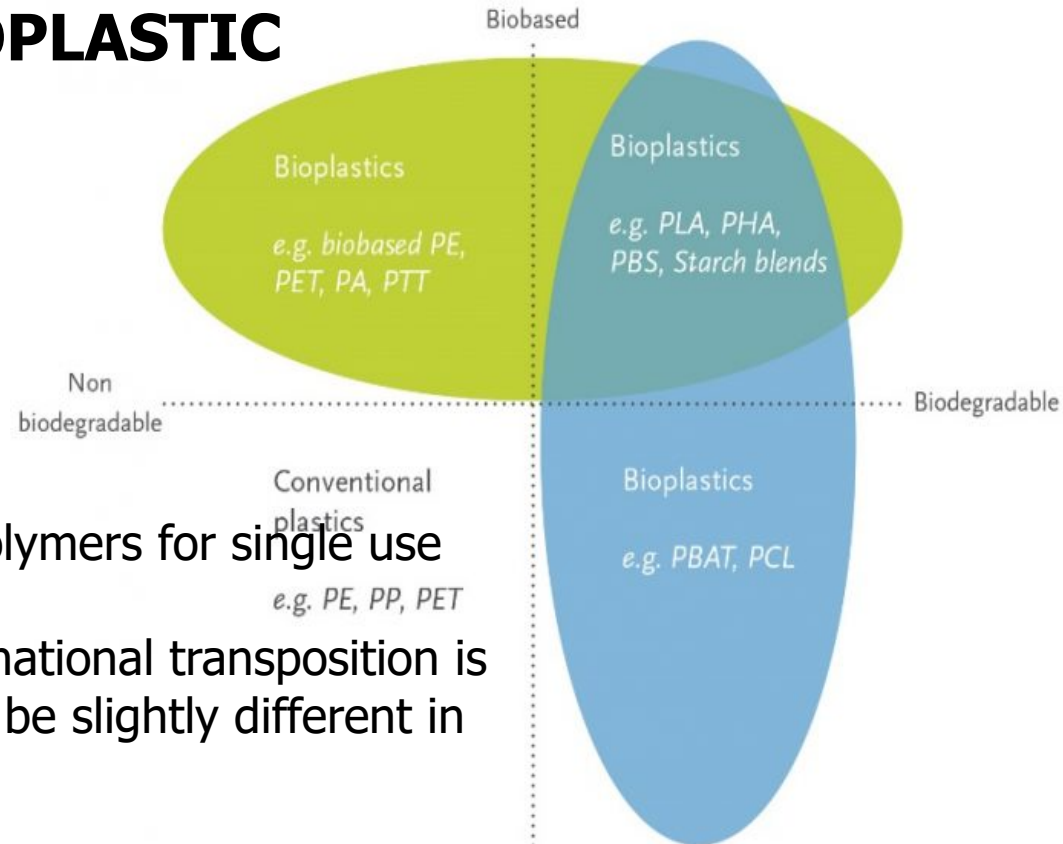


bioplastic

REGULATORY MATTERS



No clear definition of BIOPLASTIC



DIRECTIVE 904/2019 EU

Allows only not chemically modified polymers for single use products

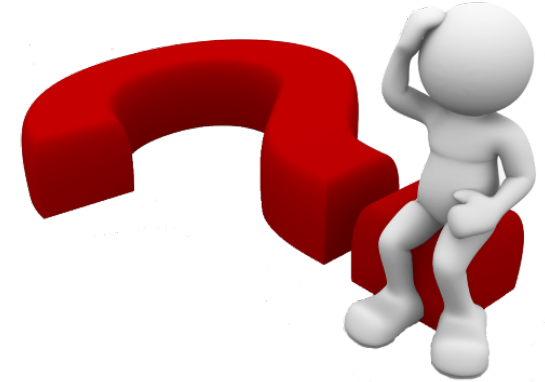
PLA and others are not admitted, but national transposition is in progress (deadline 2021) and could be slightly different in each country

PACKAGING SUSTAINABILITY

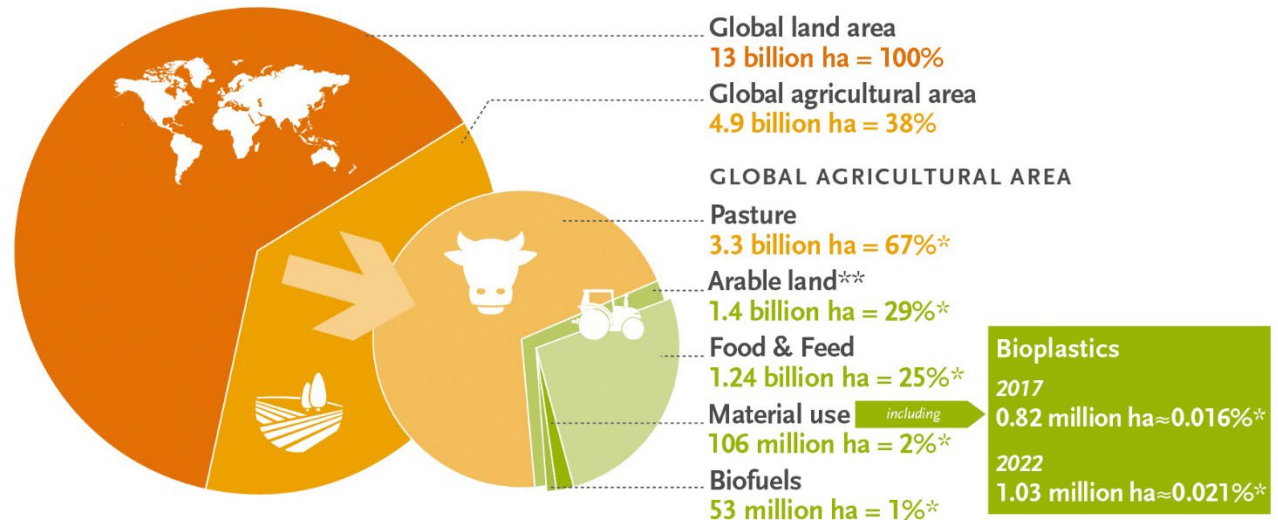


bioplastic

ETHICAL MATTERS



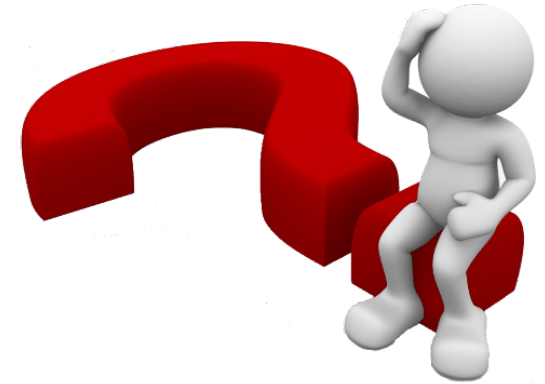
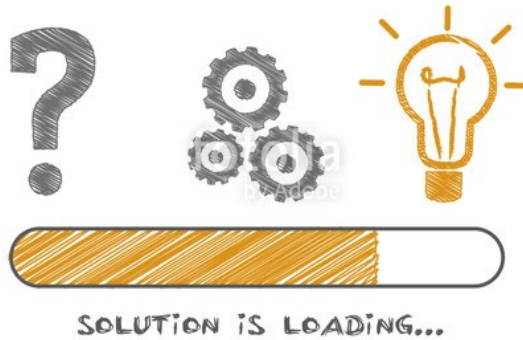
Is it fair to use agricultural areas to grow produces for bioplastics or biofuels instead of food?



PACKAGING SUSTAINABILITY



ETHICAL MATTERS



BIOPLASTIC FROM FOOD INDUSTRIES WASTE

RESEARCH ON GOING

FOOD CONTACT COMPLIANCE

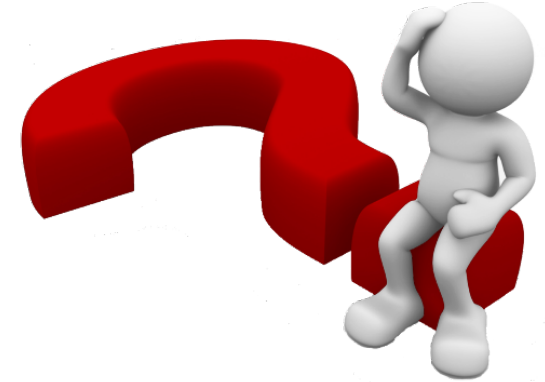


PACKAGING SUSTAINABILITY



bioplastic

POLLUTION MATTERS

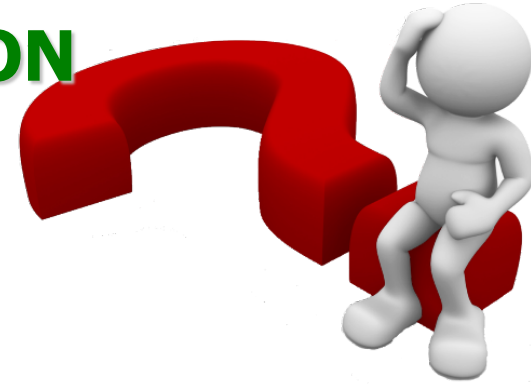


**Bioplastic needs time to biodegrade
If littered, it will pollute**



PACKAGING SUSTAINABILITY

SORTED WASTE COLLECTION MATTERS



Plastic recycling



Polyethylene terephthalate



High-density polyethylene



Polyvinyl chloride



Low-density polyethylene



Polypropylene



Polystyrene



OTHER

BIOPLASTIC



AVOID CONTAMINATION BETWEEN PET AND PLA

BIOPLASTIC SHOULD GO IN ORGANIC FRACTION

- **HOW TO EXPLAIN TO CONSUMERS?**
- **ARE SORTING PLANTS READY?**
- **ARE COMPOSTING PLANTS READY?**

A green DNA double helix graphic on the left side of the slide. It contains several small images: a scientist in a lab coat, a person cooking, a tray of yellow food, a hand holding red tomatoes, a tray of yellow food, a hand holding green peas, and a person holding a large orange.

Conserve Italia



THANK YOU

2 protagonisti della filiera italiana