



EU Green  
Week  
Partner  
Webinar

How to fulfill  
the future  
biodiversity  
reporting  
requirements  
in the food sector?



5 June 2023  
13:30-15:00  
CEST

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- **Presenting CircHive**

Erika Winquist, Senior Scientist, Natural Resources Institute Finland

- **Reporting requirements in the food sector**

Katrin Tomova, Sustainability Consultant, denkstatt

- **Biodiversity Management on farm level**

Marion Hammerl, Senior Expert, Lake Constance Foundation

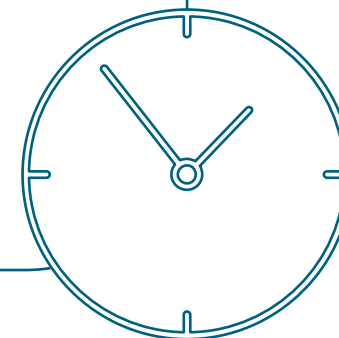
- **Environmental sustainability reporting at Valio**

Virpi Kling, Development Manager, Valio

- **Good for you, good for the planet: Barilla**

Leonardo Mirone, Purchasing Director, Barilla

# Agenda





Circhive is a new Horizon Europe project (2022 - 2027),

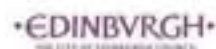
which will help businesses and the public sector to make more informed decisions

that protect ecosystems, enhance biodiversity and unlock new opportunities for businesses and society

15 research partners  
10 case-study partners  
total budget 11.5 mil. €

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Co-funded by  
the European Union



UK Research  
and Innovation

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#### Project funded by



Schweizerische Eidgenossenschaft  
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Federal Department of Economic Affairs,  
Education and Research EAER  
State Secretariat for Education,  
Research and Innovation SERI

Swiss Confederation

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# CircHive helps businesses to boost biodiversity

## ***DEVELOPING METHODS***

Aligning:

- Biodiversity footprinting based on life cycle assessment (LCA)
- Natural capital accounting (NCA)

## ***MAINSTREAMING BIODIVERSITY IN ORGANISATIONS***

- Elaborating the reporting journey step-by-step
- Establishing best-practice guidelines

## ***INTRODUCING SUSTAINABLE BUSINESS MODELS***

- Based on circular economy principles and nature-based solutions
- Piloted in concrete business cases

## ***GIVING POLICY RECOMMENDATIONS***

- To support the biodiversity friendly green transition

# Speakers



**Katrin Tomova**

Sustainability Consultant  
denkstatt Bulgaria



**Marion Hammerl**

Senior Expert  
Lake Constance Foundation



**Virpi Kling**

Development Manager  
Valio



**Leonardo Mirone**

Purchasing Director  
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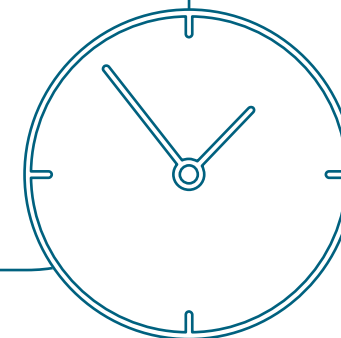
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# Reporting requirements in the food sector

Katrin Tomova, Sustainability Consultant



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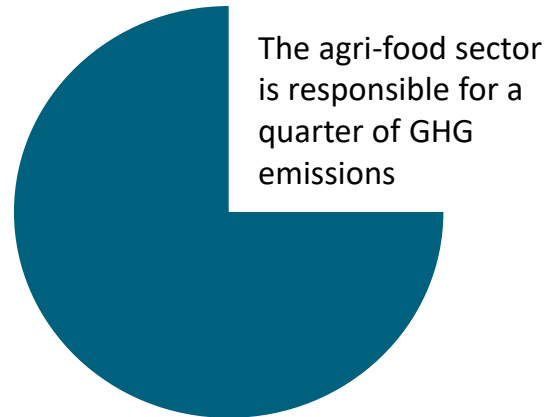


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# Biodiversity and the Food Sector

Where is the link?

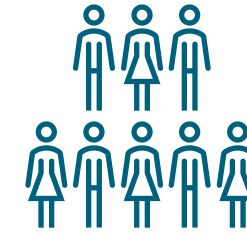
# The food sector and biodiversity



Exploits half of the world's habitable land (Richie and Roser, 2020)



Highly dependent on biodiversity services and natural capital

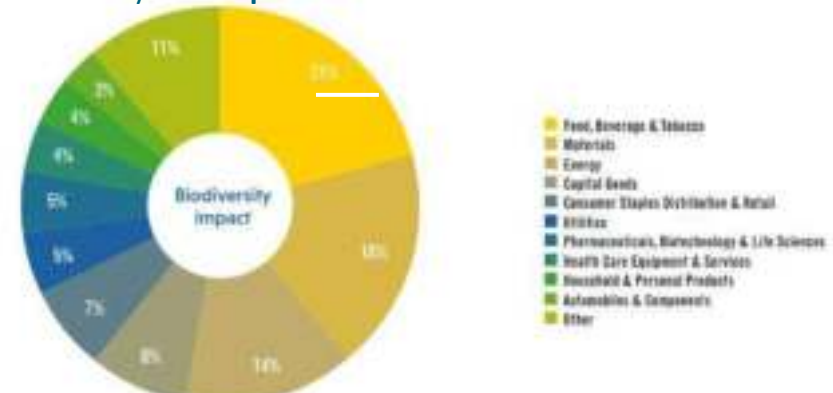


Food demand is expected to keep growing as the global population rises (Roser, 2013)

The World Economic Forum (2022) estimates that all sectors have a degree of dependency on natural capital assets and ecosystem services.

Biodiversity loss could surpass the \$1.7 trillion yearly costs of damages caused by global warming (Evison & Knight, 2010). Investors can act to halt and reduce biodiversity loss and require companies to disclose biodiversity-related data.

The industry within the sectors with the highest potential negative impact on biodiversity is **food products**.



Biodiversity impact (calculated as the sum of normalized average impact scores) of the companies in the top 250 list split out by GICS industry group. Source: Finance for Biodiversity Foundation, 2023

# Upcoming and current regulations and initiatives

Why focus on nature & biodiversity?

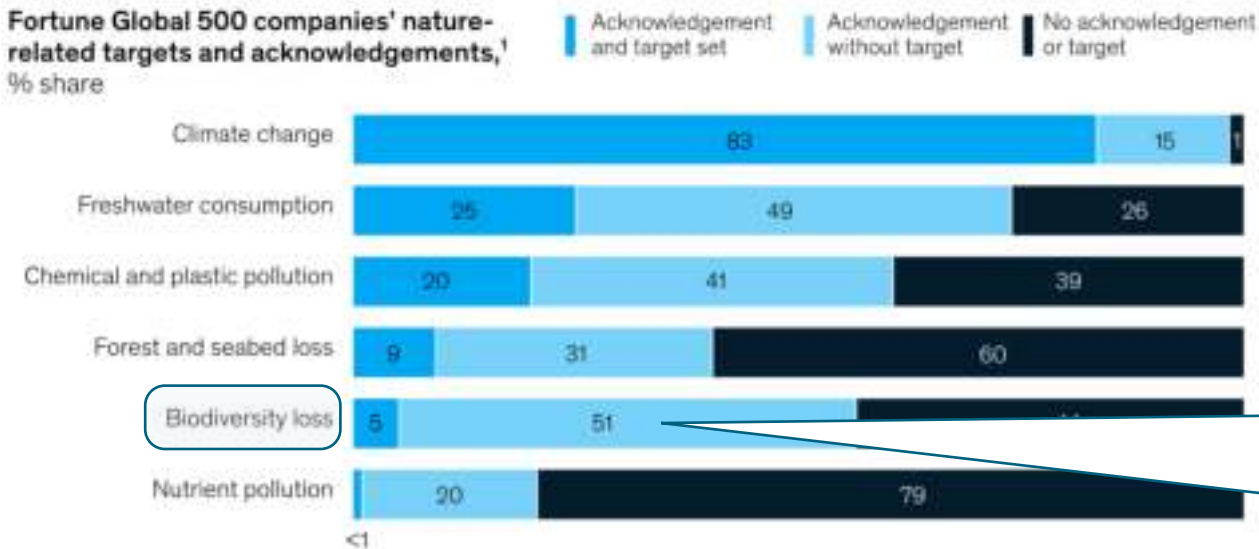
# Who currently reports on biodiversity?

## Fortune Global 500

- 500 companies with the highest turnover in the world/year
- 83% of listed companies take action on climate change
- Holistic measures are lacking

Corporate targets are common for climate change but far less common for other dimensions of nature.

Fortune Global 500 companies' nature-related targets and acknowledgements,<sup>1</sup> % share



56% of companies recognise biodiversity loss, but only 5% set targets

<sup>1</sup>Includes 450 of the Fortune Global 500 companies. Source: Company websites; press search.

McKinsey & Company

Few Fortune Global 500 companies have quantitative targets across multiple dimensions of nature.

Companies' nature-related targets,<sup>1</sup> % share of Fortune Global 500



# Brace yourselves: The standards are coming

Topic	Now	From 2023
Risk & opportunities reporting	 <p>TASK FORCE ON CLIMATE-RELATED FINANCIAL DISCLOSURES</p>	 <p>Taskforce on Nature-related Financial Disclosures</p>
Target setting	 <p>SCIENCE BASED TARGETS BRINGING AMBITIOUS CORPORATE CLIMATE ACTION</p>	 <p>SCIENCE-BASED TARGETS for NATURE IJBIG Guidance for Companies</p>
Footprinting for financial sector	 <p>Partnership for Carbon Accounting Financials</p>	 <p>Partnership for Biodiversity Accounting Financials</p>
EU Sustainable Finance Taxonomy	<p>Climate mitigation Climate adaptation</p>	<p>Water resources, Circular economy, Pollution prevention &amp; control, <b>Biodiversity</b></p>
Ratings' questionnaires	 <p>CDP   S&amp;P Global   MSCI   ecovadis</p>	<p><b>Biodiversity questions included</b></p>

# Why now?



## State of nature is declining

### What does it mean for your business?

- Business risk as you depend on nature to deliver your products and services.
- Responsibility to measure and act on your impact.

**Business risks and opportunities**



## Regulations are coming

The Global Biodiversity Framework in Montreal from Dec 2022 will support more EU and national nature-related legislation.

The Corporate Sustainability Reporting Directive (CSRD) now includes a chapter on Biodiversity. Voluntary frameworks (SBTN, TNFD, CDP) are also rapidly developing.

**Reporting requirements**



## Stakeholders are demanding

Competitors are (most likely) stepping up in their nature commitments.

Customers and investors are expecting that companies act now.

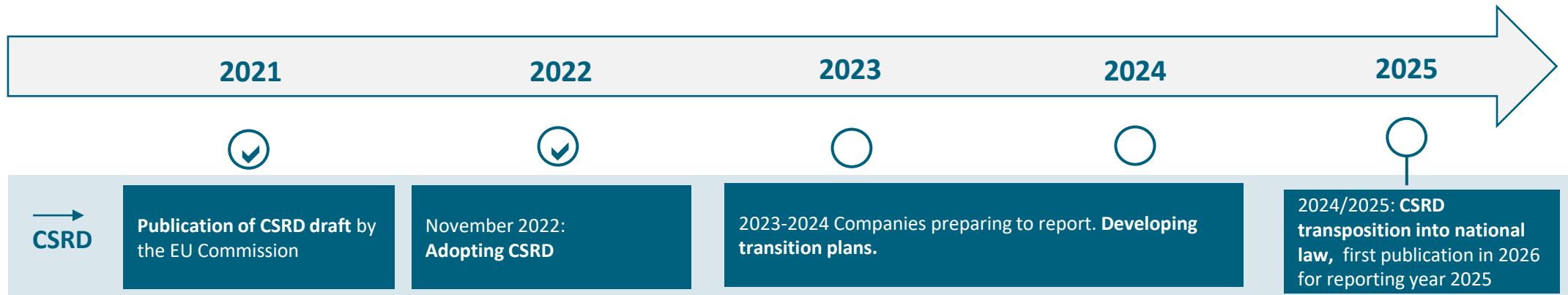
**Investor and consumers' pressure**

# The Reporting Journey

Where to start and how to manage the process?



# Corporate Sustainability Reporting Directive (CSRD)



## ESRS 4: Biodiversity and Ecosystems

- No net loss by 2030
- Net gain from 2030
- Full recovery of biodiversity by 2050

### Key elements:

- **Transition plan on biodiversity and ecosystem services** (based on the list of priority sectors provided by TNFD this is mandatory for the Agriculture and Farming, Forestry, and Food and Beverages sectors).
- **Targets** related to biodiversity and ecosystems
- All aspects related to biodiversity and ecosystems (e.g. **risks, opportunities, mitigation measures**) must be addressed in detail throughout the whole value chain

# Biodiversity reporting journey

## Navigating the various reporting standards

**Mandatory**



**ESRS 4:**  
Impacts, risks and opportunities

**ESRS 2:**  
Strategy and business model

**ESRS 3:**  
Governance and organisation



**Voluntary**



TNFD  
LEAP



SBTN  
5-step  
approach



Disclosure



GRI supplements EFRAG reporting.

TNFD and SBTN outputs can be used to report to **GRI** and **CDP** (as well as **CSRD** under EFRAG requirements)

**TNFD** is a framework standard for disclosure. **SBTN** is a specific standard covering impacts measurement and management. **EFRAG** requirements under ESRS E4: Biodiversity are de-facto aligned with TNFD and SBTN.

# Step 1: Materiality

## Locating and evaluating nature impacts and dependencies

### Dependencies



Source: WWF Biodiversity Risk Filter

### Impacts



Source: Science-Based Targets for Nature



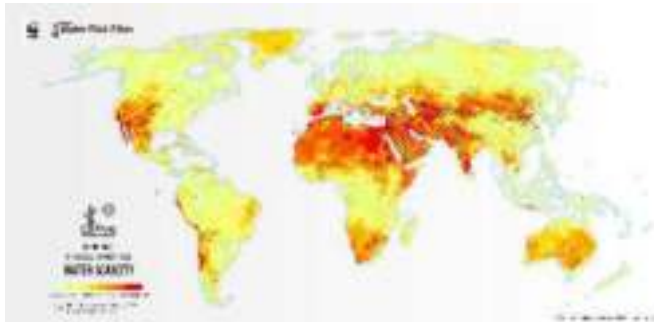
Localization is crucial

# Step 2: Strategy and business model

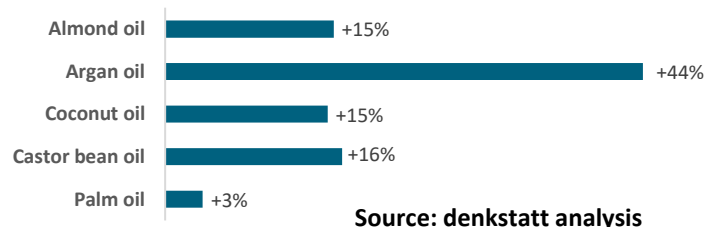
## Assessing nature risks and opportunities

### Physical risks

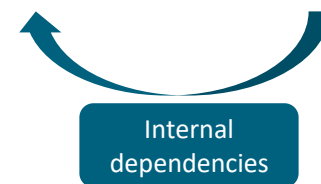
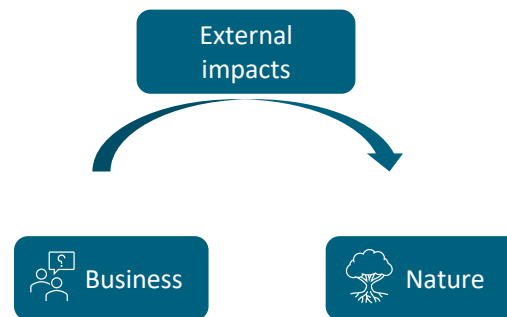
#### Water scarcity



#### Price increase due to pollination substitution



...and other potential risks.



The company context is crucial

### Transition risks

#### EU Green Deal - regulatory & legal pressure:

- Reduce the use of pesticides
- Reduce nutrient pollution
- Common Agricultural Policy reform
- ...and more.

### Opportunities:

- Consumer preference for green products
- Access to green finance
- Acting now: first-mover advantage

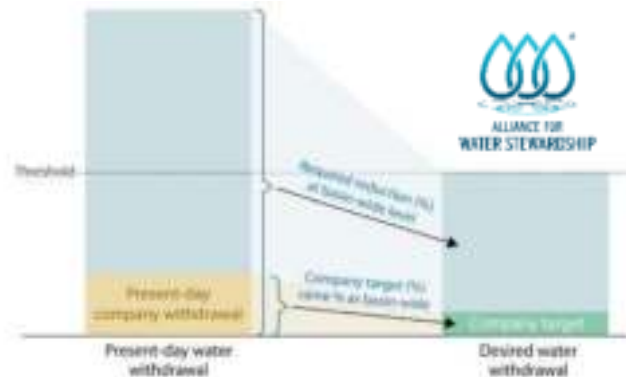
# Step 3: Target and transition plan

## Acting on impacts, dependencies, risks, opportunities

### Science-Based Targets for Nature:

Existing target methodologies

...for water



...for land

Sector (ISIC)	No Conversion	Land Footprint Reduction	Landscape Engagement
Manufacture of food products	Required	Required	Required
Manufacture of beverages	Required	Required	Required
Agriculture	Required by FLAG	Required	Required

...also for oceans, ecosystem integrity – to come later.

### EU Sustainable Finance Taxonomy\*:

Substantial contribution to EU biodiversity goals



\*Assessment is done through net turnover, CAPEX and OPEX



\* Still in draft version.

# The Reporting Journey Overview



# Thank you

Katrin Tomova

Sustainability Consultant

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[www.denkstatt.eu](http://www.denkstatt.eu)



## Contact





- Presenting CircHive

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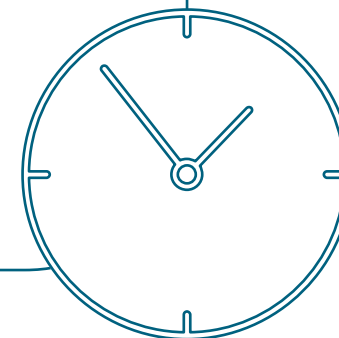
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# Biodiversity Management on farm level

**Biodiversity Performance Tool Insects &  
Biodiversity Monitoring System**

Marion Hammerl  
Lake Constance Foundation & Global Nature Fund

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# Basis for the Biodiversity Performance Tool (BPTi): Recommendations for effective criteria



- Screening of 54 standards and labels in 2017  
Baseline Report
- **Recommendations for effective biodiversity criteria for standards and labels** in English, German, French, Spanish and Portuguese
- Target groups: Food standards (regional, national, international), food companies with own sourcing rules and cooperatives /suppliers with own criteria for their members
- Individual support for standards and companies that want to improve their biodiversity performance



[www.business-biodiversity.eu/en/recommendations-biodiversity-in-standards](http://www.business-biodiversity.eu/en/recommendations-biodiversity-in-standards)

# BPTi – Target groups



- **Farmers / agricultural advisors:**

Supports the elaboration and implementation of sound Biodiversity Action Plans on farm level
- **Auditors and certifiers:**

Facilitates the assessment of conservation and improvement of biological diversity at farm level
- **Product- and quality manager and purchasers in food companies:**

Orientation for assessing Biodiversity Performance of producers and suppliers

# Biodiversity Performance Tool (BPTi)



## 4 European agro-climatic zones

Assessing different farm types

Grain production

Perennial production, e.g. olive trees

Vegetable and fruit production

Livestock: dairy and meat



## Adaptations so far:

Biodiversity Performance Tool Coffee

Biodiversity Performance Tool Spices

Biodiversity Check Agrícola Banana and Pineapple



## Biodiversity protection, enhancement und restoration requires management!

- BPT is an online-tool to manage biodiversity on farm level
- Ca. 100 data with relevance for biodiversity: Current situation of habitats and ecological structures, agricultural practices, training and involvement into conservation activities = **potential for biodiversity**
- The BPT indicates strengths and weaknesses = traffic light system = **Input for a sound Biodiversity Action Plan (BAP)**
- BPT provides links to measures to improve potential for biodiversity and reduce negative impacts = **Input for Biodiversity Action Plan (BAP).**
- Implementation of the BAP with short term and medium term measures. Update of the results in the BPTi = **Monitoring of key biodiversity indicators**

# BPTi – keydata and indicators



## 79 keydata and indicators

- 25 indicators related to biodiversity on the farm (habitats, ecological structures)
- 42 indicators on agricultural practises
- 12 indicators on capacity building and collaboration beyond the farm

All indicators are supported with tresholds:

Importance of semi-natural habitats	0-5% or 5% of UAA	5% < 5% < 10% of UAA	5% or > 10% of UAA
Importance of permanent grasslands	none	10% < < 10% of UAA without any pesticide nor fertilizer; one grazing and/or mowing	>= 10% of UAA without any pesticide nor fertilizer; one grazing and/or mowing
Importance of agroforestry	none	Agroforestry (forest + crops) < 30% or (forest + animal) < 10%	>= 10% of UAA of agroforestry (forest + animal) or >= 30% (forest + crops)
Diversity of type of semi-natural habitats	0-1 type of semi-natural habitats (1 type to be considered if it represents at least 10% of UAA)	2 types of semi-natural habitats	3-4 types of semi-natural habitats
Composition of grass strips	No grass strip	Only composed of monocotyledons	Both composed of monocotyledons and dicotyledons - <i>perennial species</i>
Composition of flowering strips	No flower strips or only exotic species	Only annual flowering plants but locally adapted	Local seeds - perennial and annual flowering plants
Flowering of hedges	No hedges or hedge without any flowering species	hedges with spring flowering or late flowering	hedges with continuous flowering from february until october
Composition of agroforestry elements	Agroforestry/Dehesa/monadoc: number of trees > 100 /ha	Agroforestry/Dehesa/monadoc: number of trees > 100 -150 /ha	Agroforestry/Dehesa/monadoc: number of trees > 25 to 100 /ha
Flowering duration	< 3 months	3 < < 6 months	>= 6 months
Modality of management	Flowering in the management	Early grinding (before flowering period) OR Late grinding OR Early mowing	Late mowing (after flowering period)
Composition of hedge elements	Hedge: none indigenous species and dominance of non trees	Between 1 and 4 indigenous species in average DFI equitability between conifers and hardwood species	>= 5 indigenous species DFI dominance of hardwood species
Composition of agroforestry elements	Agroforestry/Dehesa/monadoc: number of trees > 100 /ha	Agroforestry/Dehesa/monadoc: number of trees > 100 -150 /ha	Agroforestry/Dehesa/monadoc: number of trees > 25 to 100 /ha
Flowering of hedges	No hedges or hedge without any flowering species	hedges with spring flowering	hedges with continuous flowering from february until october
Support of nutritive resources	No production of fruits	Rare production of fruits during autumn and winter periods	Regular production of fruits during autumn and winter periods

# BPTi in a nutshell

## Biodiversity Performance Tool (BPTi)

For farmers, farmers cooperatives, assessors, certifiers

- Supported by a database.
- **78** Key data and indicators.
- Ca. **100** questions on habitats, species protection, invasive species ... (= management of biodiversity), agricultural practises, capacity building, cooperation with authorities, NGOs.
- Main aim: Input for a sound Biodiversity Action Plan

[www.biodiversity-performance.org](http://www.biodiversity-performance.org)

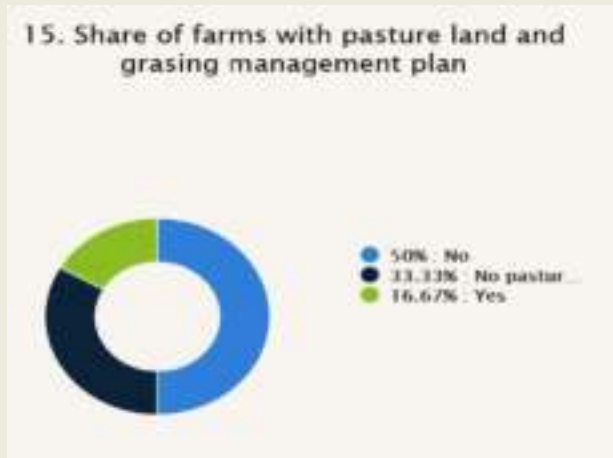
Report of the current situation of biodiversity on the farm (Baseline)

Visualisation of strenghts and weaknesses (traffic light system)

Links to description of measures to improve potential and to reduce negative impacts

Updating of the data in the BPT = Monitoring of the implementation of BAP  
Development of main indicators over time

# Biodiversity Monitoring System (BMS)

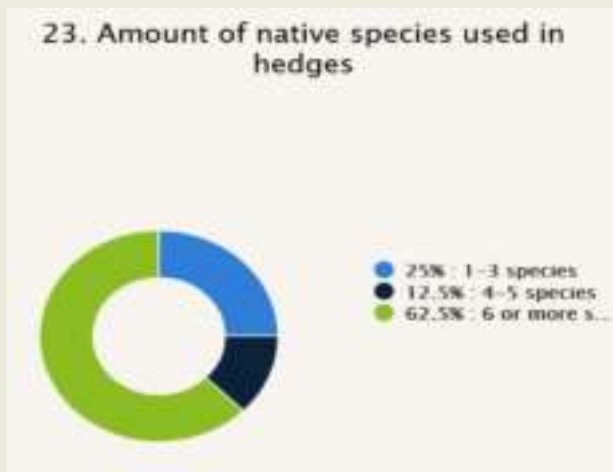


32. Share of semi-natural habitat area that is treated with pesticides (%)

Count	Average	Minimum	Maximum
8	75.63	5	100

62. Soil analysis including soil organic matter content according to a recognized method (%)

Count	1-2 years	2-3 years	3-5 years	>5 years
5	20%	0%	20%	60%



## BMS Dashboard

- Cluster 1: Data about the farms
- Cluster 2: Natural and semi-natural habitats
- Cluster 3: Livestock farming; fodder & deforestation
- Cluster 4: Use of water resources
- Cluster 5: Invasive alien species
- Cluster 6: Genetic diversity
- Cluster 7: Protection of soil
- Cluster 8: Pesticide Management
- Cluster 9: Management and training



# Biodiversity Monitoring System (BMS)



## Current situation:

Standard organisations, food companies, cooperatives do not realize a structured and regular monitoring of biodiversity on farm level

Not prepared for new and upcoming due diligence and reporting obligations and requirements



## Why monitoring?

- Risk analysis based on primary data
- Identify strengths and weaknesses of farmers of the supply chain
- Implement measures to improve weaknesses (e.g. support programs)
- Reporting /Communication based on facts



# Biodiversity Monitoring System (BMS)



## Biodiversity Monitoring System for standards, food companies, cooperatives ....

- Monitoring-Database with questionnaire to enter data; Dashboard for visualisation of results.
- Users have only access to their data! Data protection guaranteed.
- 107 keydata considered in 41 indicators covering habitats, impacts by agricultural practises, capacity building.
- Transfer of data from BPTi to BMS is possible



Based on aggregated data:  
Monitoring Report on biodiversity performance of a „group of farms“.

Filter: Country, production type, size of farm, year of assessment.

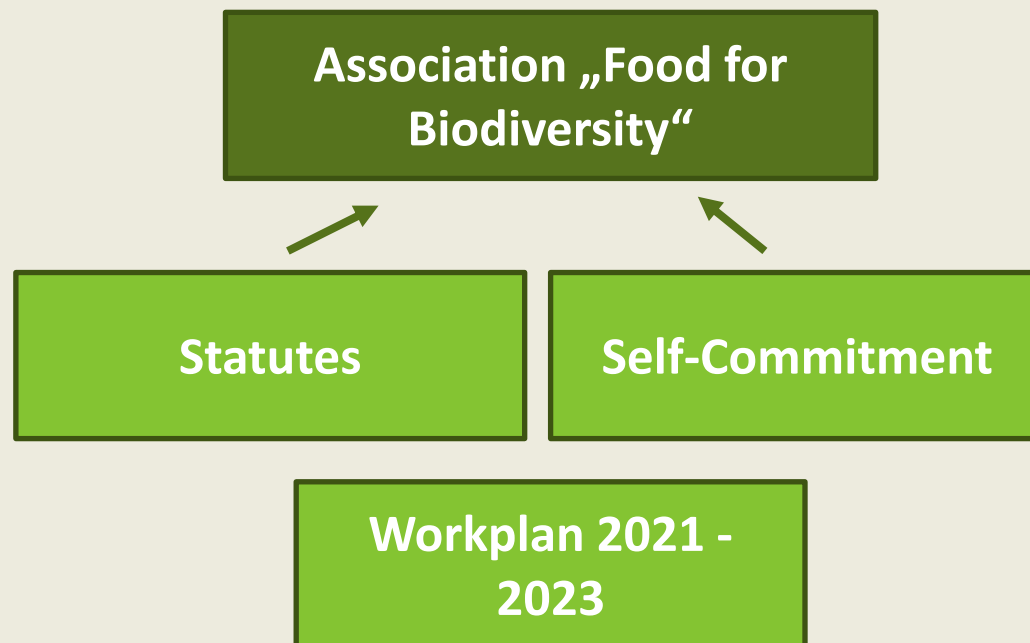


Visualisation of monitoring results in nine clusters (Dashboard).

[www.biodiversity-performance.info](http://www.biodiversity-performance.info)

Association “Food for Biodiversity”.  
Created in 2021. Currently 29 members:

Food companies and retailers  
Food standards  
Agricultural organisations  
Environmental NGOs  
Scientific institutions



## Self-Commitment

- Take biodiversity protection serious
- **Implementation of the Basis-Set of biodiversity criteria**
- Appropriate share of costs for the implementation of measures
- **Biodiversity Monitoring System**
- Training of farmers, assessors, certifiers, managers ....
- Awareness raising final consumers
- Joint research and pilot projects
- Influencing the legal /political framework towards effective biodiversity protection



- Presenting CircHive

Erika Winqvist, Senior Scientist, Natural Resources Institute Finland

- Reporting requirements in the food sector

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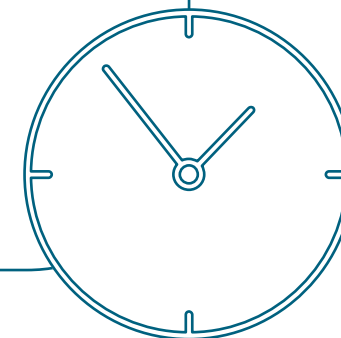
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# Environmental sustainability reporting at Valio

Vipri Kling  
Development Manager Valio

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THE most  
*innovative*  
DAIRY  
IN THE WORLD - FROM  
FINLAND

**FINNISH DAIRY  
FARMERS  
FOUNDED VALIO  
IN 1905**  
to export butter.



FOR US -  
*milk is*  
**Amazing**

## DAIRY FARMERS ARE STILL VALIO'S OWNERS

We pay out our profits  
through dairy cooperatives  
to 3,700 Finnish farms.



# VALIO TURNOVER 2,236 MILLION EUROS (2022)\*

(1,934 MEUR IN 2021)



Net sales from international operations 832 m€\*

Exports from Finland to other countries: 553 m€

\*)Valio sold its operations in Russia on 25th Apr 2022, and thereby Valio's operations in Russia ended.



**INNOVATIVENESS**  
*as*  
**A DRIVING  
FORCE**

## **NOBEL PRIZE WINNING INNOVATIONS**

The head of Valio's laboratories, A.I. Virtanen received the Nobel Prize in Chemistry in 1945 for his inventions, AIV silage and AIV butter salt. A.I. Virtanen's butter salt gave Valio an undefeatable advantage in exporting butter. AIV feed, on the other hand, changed agriculture as a whole: animals started to have good feed even during winter.



# ENVIRONMENTAL SUSTAINABILITY IN OUR STRATEGY

# AIMING FOR CARBON-NEUTRAL MILK

Carbon-neutral milk means that at least the same amount of emissions is reduced and removed from the atmosphere as is generated on dairy farms, in transportation, at plants, in the manufacturing of packaging and elsewhere along milk's journey.





**BIODIVERSITY  
TARGET TO BE SET**

# ENVIRONMENTAL SUSTAINABILITY IN OUR REPORTING

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# SUSTAINABILITY REPORT PUBLISHED YEARLY

The Sustainability Report is published in conjunction with the publication of Valio's Board of Directors' Report and Financial Statements in Finnish and in English, and it is available on our website.

The Sustainability Report complies with the requirements of the updated indicators of **the Global Reporting Initiative (GRI)**.

Focus areas in environmental reporting 2022:

Climate

Biodiversity

Resource efficiency in production

Climate-smart packaging

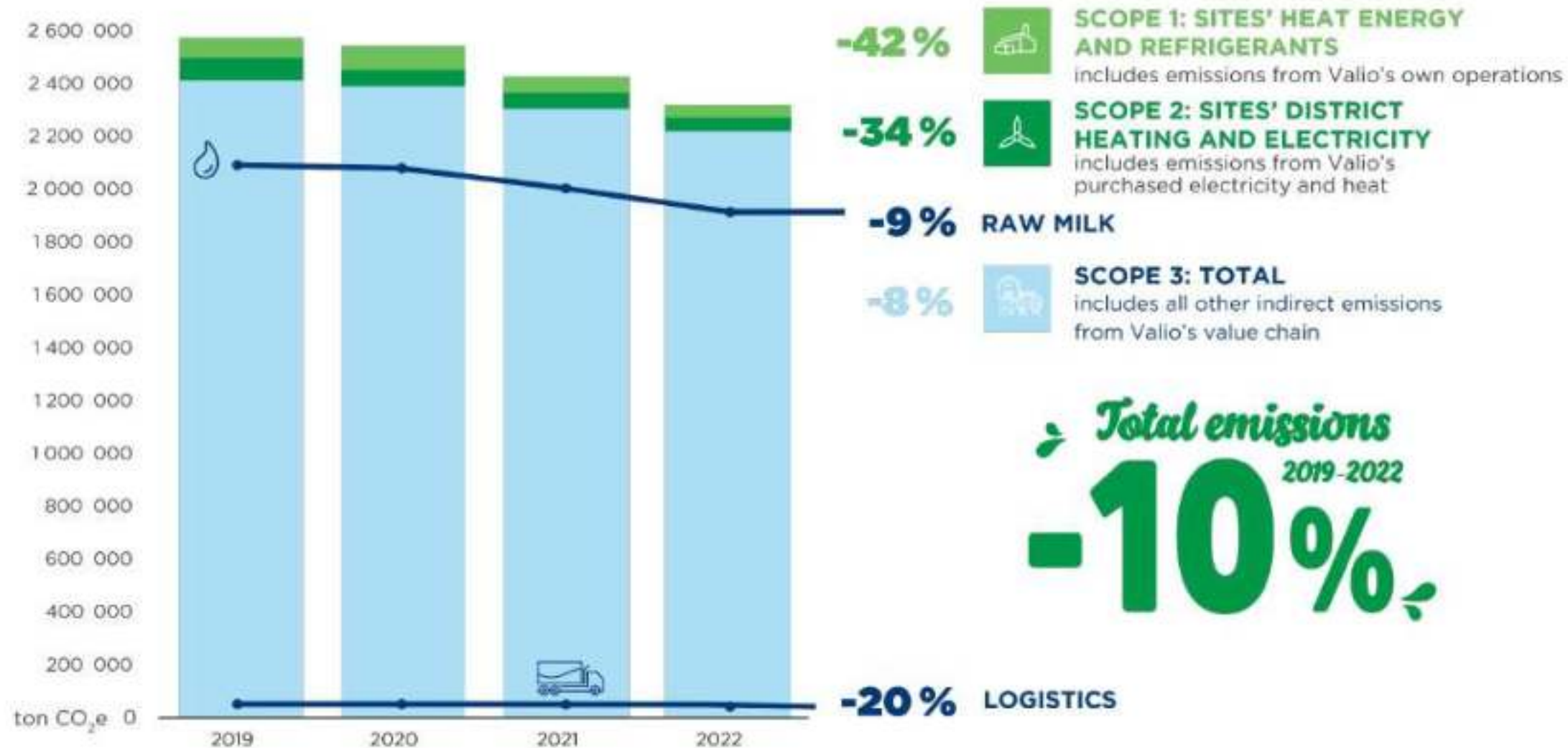
Logistics efficiency

# CLIMATE

**VALIO'S EMISSION CALCULATIONS ARE MADE IN ACCORDANCE  
WITH THE INTERNATIONAL GHG PROTOCOL.  
THE EMISSIONS REPORT IS VERIFIED BY A THIRD PARTY.**

## VALIO FINLAND'S EMISSION REDUCTIONS 2019-2022

excluding wholesale business and soil's carbon balance. CHANGE FROM BASE YEAR 2019





# VALIO'S SBT CLIMATE TARGETS PROCEEDING WELL

## Progress of Valio's Science Based Targets 2019-2022

Energy used by factories (Finland and Estonia)

Target by 2030 -47%



Milk collection logistics (Finland)

Target by 2030 -28%



Carbon footprint of dairy farms (Finland)

Target by 2030 -50%



# CDP CLIMATE DISCLOSURE PROJECT



International CDP system collects environmental data and assesses company's environmental performance (scale A-F).

In 2022, Valio received a score of  
B in “programme content and effectiveness”  
A- in “stakeholder work”  
→ **VERIFYABLY STRONG CLIMATE WORK**

# VALIO RECEIVED A SILVER MEDAL IN ECOVADIS SUSTAINABILITY ASSESSMENT

We received 57 points from the evaluation, which entitled us to a silver medal. We belong to the best 25% of companies evaluated in 2022.

In 2021, we got 48 points and a bronze medal, after which we have done systematic sustainability work.

EcoVadis' assessment is based on self-assessment answers, sent verification material and a company investigation results.

Based on the evaluation we are pioneers in environmental and climate work.



Carbon Management Level

ecovadis

VALIO OY (GROUP)

has been awarded a  
**Silver medal**

as a recognition of their EcoVadis Rating

- NOVEMBER 2022 -



TOWARDS  
**CARBON-  
NEUTRAL**  
Milk 2035

## HOW IS MILK'S CARBON FOOTPRINT CALCULATED?

There are many ways to calculate the carbon footprint of food, and a standard approach doesn't yet exist. The carbon footprint of the raw milk processed by Valio is calculated at the dairy farms.

# MILK'S CARBON FOOTPRINT IS CALCULATED AT DAIRY FARMS, BECAUSE EVERY FARM IS DIFFERENT

- Farms use the **Valio Carbo® Farm Calculator** to calculate their carbon footprint and find ways to reduce it.
- Valio's calculation model has been **certified by the Carbon Trust.\***
- **2300 Valio dairy farms** have calculated the carbon footprint of the raw milk they produce (year 2022).



\*Model outputs do not constitute a certified product/organisation footprint.



# CLIMATE REPORTING

## On-going

Continuous development of the calculation model (Carbo Farm Calculator)

Including LULUCF-modelling in Carbo Farm Calculator

Opening Carbo Farm Calculator for beef production in Finland

## Needed

Improved modelling for carbon sequestration and mitigation on field plot level

# BIODIVERSITY

# BIODIVERSITY REPORTING IS BASED ON ACTIONS – NO CLEAR METRICS

Draft for biodiversity roadmap created 2021 – revision ongoing

Actions reported in our Sustainability Report for 2022:

- We participated in a pilot project organized by FIBS (Finnish Business & Society) and Sitra, the Finnish Innovation Fund, in which **we started setting Science Based Targets for Nature**.
- We also **promoted biodiversity on a practical level at three pilot farms** where we restored a pond and a forest pasture and created flower strips
- We prepared the renewal the voluntary **sustainability bonus** paid to our dairy farms. With the renewal, Valio will annually pay EUR 50 million to its owners for going above and beyond the legislative requirements for animal welfare, for supporting biodiversity and for climate change actions.



## Meadow flowers and Carbo<sup>®</sup> grass for Valio headquarters

We planted 140 m<sup>2</sup> of Valio Carbo<sup>®</sup> grass and Finnish meadow flowers to replace a lawn area at our headquarters in Helsinki. Multi-species and diverse grasses are the foundation of carbon farming. Valio has six different Carbo<sup>®</sup> grass seed mixtures, all of which aim to provide good grass forage in terms of nutritional value and, as they grow, increase the soil's carbon storage.

Flowering meadows offer a diverse habitat for a variety of plant and animal species. It takes years after establishment before meadows reach their full glory. This is why the headquarters grounds have different species in different years. Summer 2023 will feature mainly annual plants flowering in the meadow. In summer 2024, you will see several perennials chosen from old Finnish garden strains.



# BIODIVERSITY REPORTING

## On-going

Road map revision

Data collection from Sustainability bonus system: grazing, biodiversity areas

## Needed

Clear targets

Clear metrics

Integration to Carbo Farm Calculator



**THANK YOU!**



- Presenting CircHive

Erika Winquist, Senior Scientist, Natural Resources Institute Finland

- Reporting requirements in the food sector

Katrin Tomova, Sustainability Consultant, denkstatt

- Biodiversity Management on farm level

Marion Hammerl, Senior Expert, Lake Constance Foundation

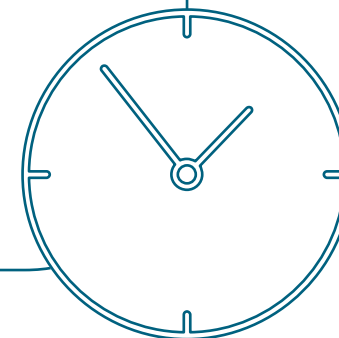
- Environmental sustainability reporting at Valio

Virpi Kling, Development Manager, Valio

- **Good for you, good for the planet: Barilla**

Leonardo Mirone, Purchasing Director, Barilla

# Agenda





# The Joy of Food for a Better Life

## Barilla Group

Leonardo Mirone

Barilla G. e R. F.lli S.p.A.

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circhive.eu

# THE ITALIAN FOOD COMPANY. SINCE 1877.



PIETRO BARILLA

1877 - 1912



GUALTIERO and RICCARDO BARILLA

1912 - 1947



GIANNI and PIETRO BARILLA

1947 - 1993



GUIDO, LUCA and PAOLO BARILLA

1993 - TODAY



MORE THAN **2,000,000** TONS OF **OUR PRODUCTS** ACCOMPANY MILLIONS OF PEOPLE DURING MOMENTS OF CONSUMPTION THROUGHOUT THE DAY

PASTA, SAUCES,  
READY MEALS



BAKERY



OTHER BRANDS



## BARILLA FOUNDATION

**Barilla Foundation** promotes sustainable behaviors and healthy food choices for a concrete change in society.



With **research, debates and international events**, the Foundation has become over the years a reference, on a global level, for the change towards healthier lifestyles.

# THE GLOBAL SCENARIO

## REGULATORY & GOVERNMENTS FRAME

- UN 2030 Agenda
- COP 26
- Green Deal
- Farm to Fork Strategy

## FOOD & BEVERAGE SECTOR

- Peers and competitors
- Retailers

## NON-PROFIT SECTOR

- Environment aspects
- Social aspects
- Animal Welfare

## CONSUMERS' NEEDS

## COMMUNITIES' RELATIONS





# THE JOY OF FOOD FOR A BETTER LIFE

BRINGING PEOPLE  
CLOSER TO THE JOY OF GOOD FOOD  
AND MAKING QUALITY  
THE CHOICE FOR A BETTER LIFE,  
FROM EACH INDIVIDUAL TO THE PLANET.

BECAUSE THIS IS HOW WE ARE  
NURTURING THE FUTURE, TODAY.





**Our commitment starts with the products' recipes, which we are continuously improving to offer tastier, safe products that are nutritionally balanced**

**488 PRODUCTS REFORMULATIONS** TO REDUCE THE QUANTITY OF SUGAR, SALT, FAT, AND SATURATED FAT (SINCE 2010)



**MORE WHOLEGRAIN AND PULSE FLOURS PRODUCTS**

**11,000 CHILDREN AND YOUNG PEOPLE INVOLVED IN FOOD EDUCATION ACTIVITIES**



**7,300+ BARILLA PEOPLE INVOLVED IN INTERNAL FOOD EDUCATION PROJECTS**

**55 NEW PRODUCTS WITH A BETTER NUTRITIONAL PROFILE:**

- **PRODUCTS WITH WHOLEGRAIN FLOUR** FOR OUR PASTA, BAKERY PRODUCTS AND BREADS 
- **SAUCES WITH NO ADDED SUGAR** 
- **NEW PRODUCTS TO INCREASE THE VARIETY OF DIET** INCLUDING DIFFERENT TYPES OF CEREALS, LEGUMES, DRIED FRUIT 

**A sustainable production and supply chain, from the field to the table, in respect of people and the planet**



**70%** OF THE RAW MATERIALS ORIGINATE FROM SUPPLY CHAINS MANAGED RESPONSIBLY



**10,000+** FARMS INVOLVED IN SUSTAINABLE AGRICULTURE PROJECTS

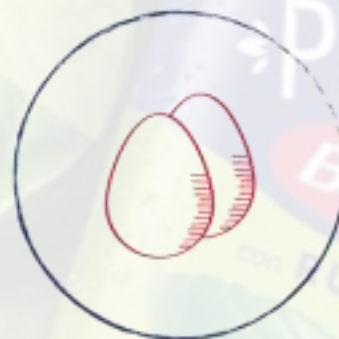
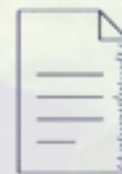


**80%** OF THE VOLUMES PRODUCED ARE COVERED BY LIFE CYCLE ASSESSMENT (LCA)



**72** ENVIRONMENTAL PRODUCT DECLARATIONS (EPD) PUBLISHED

**4** CHARTERS FOR THE SUSTAINABLE FARMING OF THE MAIN INGREDIENTS: DECALOGUE FOR THE SUSTAINABLE CULTIVATION OF QUALITY DURUM WHEAT, THE MULINO CHARTER, THE HARRYS CHARTER, THE BASIL CHARTER



**100%** OF EGGS FROM CAGE-FREE HENS

**BBFAW** AWARD FOR THE LEADERSHIP IN ANIMAL WELFARE CARING



We endeavour to **reduce the impact** of our products **on the environment**

**100%** OF THE PAPER AND CARDBOARD FROM RESPONSIBLY MANAGED FORESTS

**99.7%** OF THE PACKAGING IS DESIGNED TO BE RECYCLED

**64%** OF THE ELECTRICITY PURCHASED FROM RENEWABLE SOURCES WITH GO CERTIFICATES (GUARANTEE OF ORIGIN)



**-31%** GREENHOUSE GAS EMISSIONS PER TONNE OF FINISHED PRODUCT COMPARED TO 2010



**-18%** REDUCTION IN WATER USED PER TONNE OF FINISHED PRODUCT COMPARED TO 2010



**91%** OF THE WASTE PRODUCED WAS SENT TO RECYCLING AND ENERGY RECOVERY

Much more than a food company:  
**we are a family**

**40%** OF EXECUTIVES  
AND MANAGERS ARE  
WOMEN



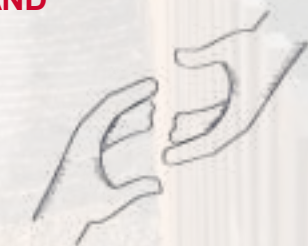
**NO UNJUSTIFIED  
PAY GAP FOR ALL BARILLA  
PEOPLE AROUND THE WORLD**



**123,000+**  
HOURS OF TRAINING  
PROVIDED

**16** EMPLOYEE  
RESOURCE GROUPS (ERG)  
FORMED BY EMPLOYEES TO  
CREATE AN EVER-INCLUSIVE  
CULTURE

**CATALYST AWARD  
FOR THE COMMITMENT  
ON GENDER EQUALITY AND  
INCLUSIVITY AT THE  
WORKPLACE**



We nurture a **quality  
future**

**12+** MILLION EUROS  
DONATED TO CHARITY



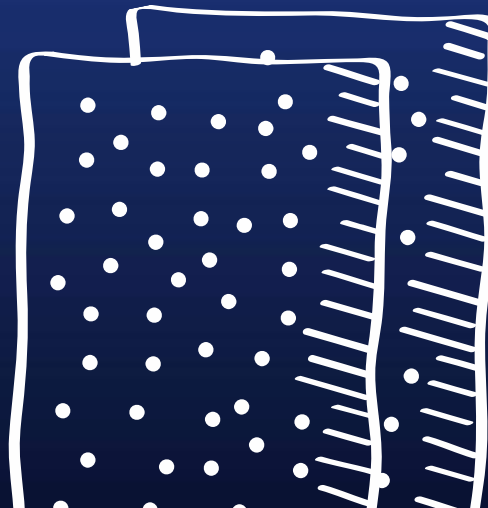
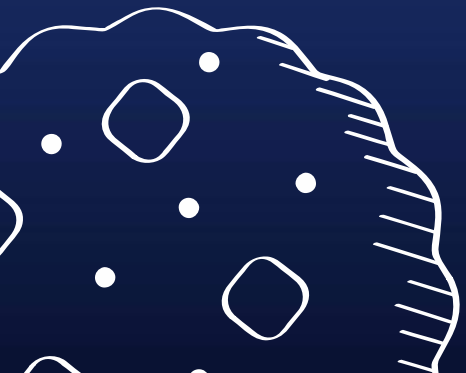
**2,700+**  
TONNES OF PRODUCTS  
DONATED

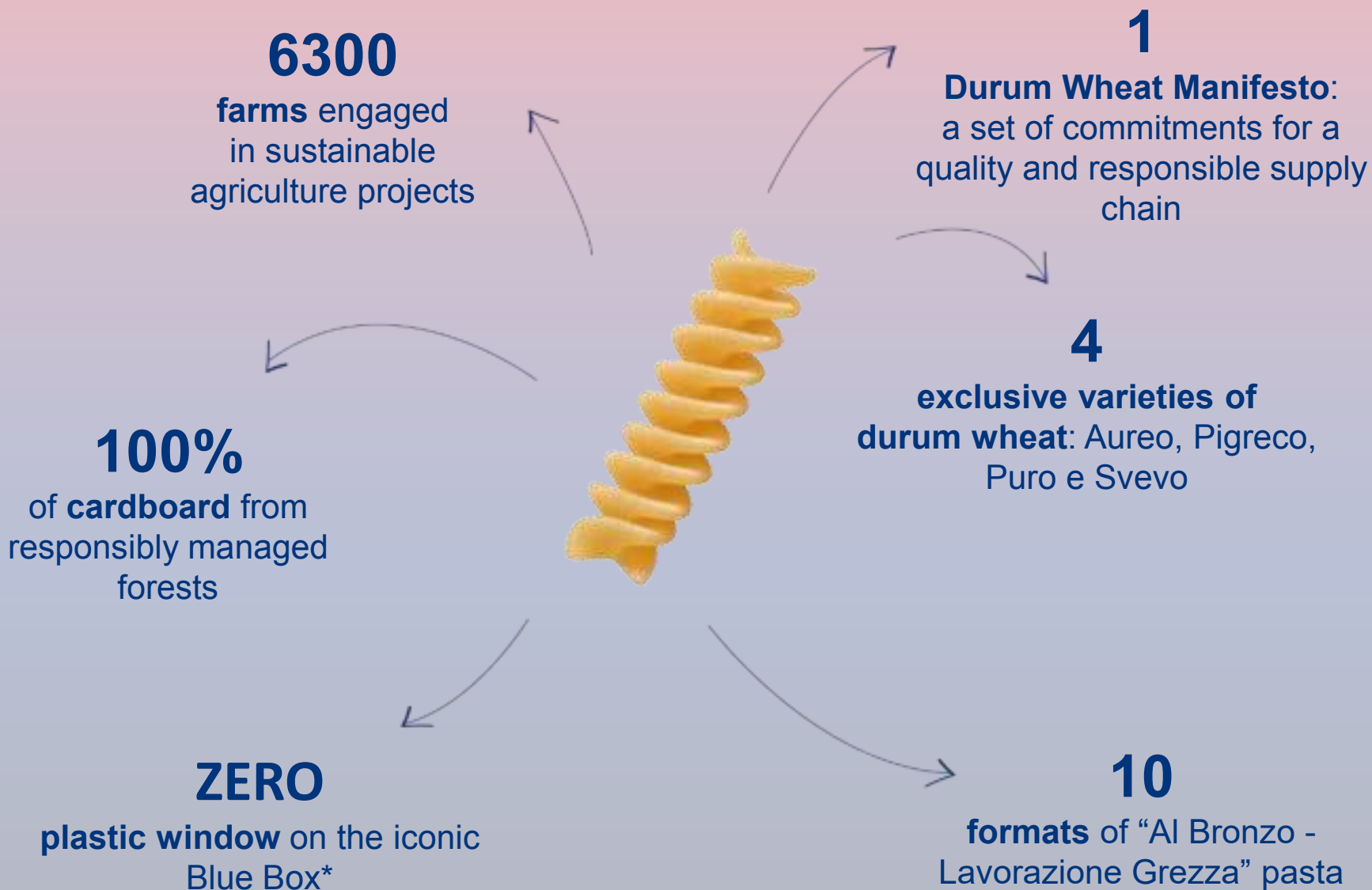


**3,600+** HOURS OF  
CORPORATE VOLUNTEERING



DISCOVER THE JOURNEY OF OUR BRANDS...





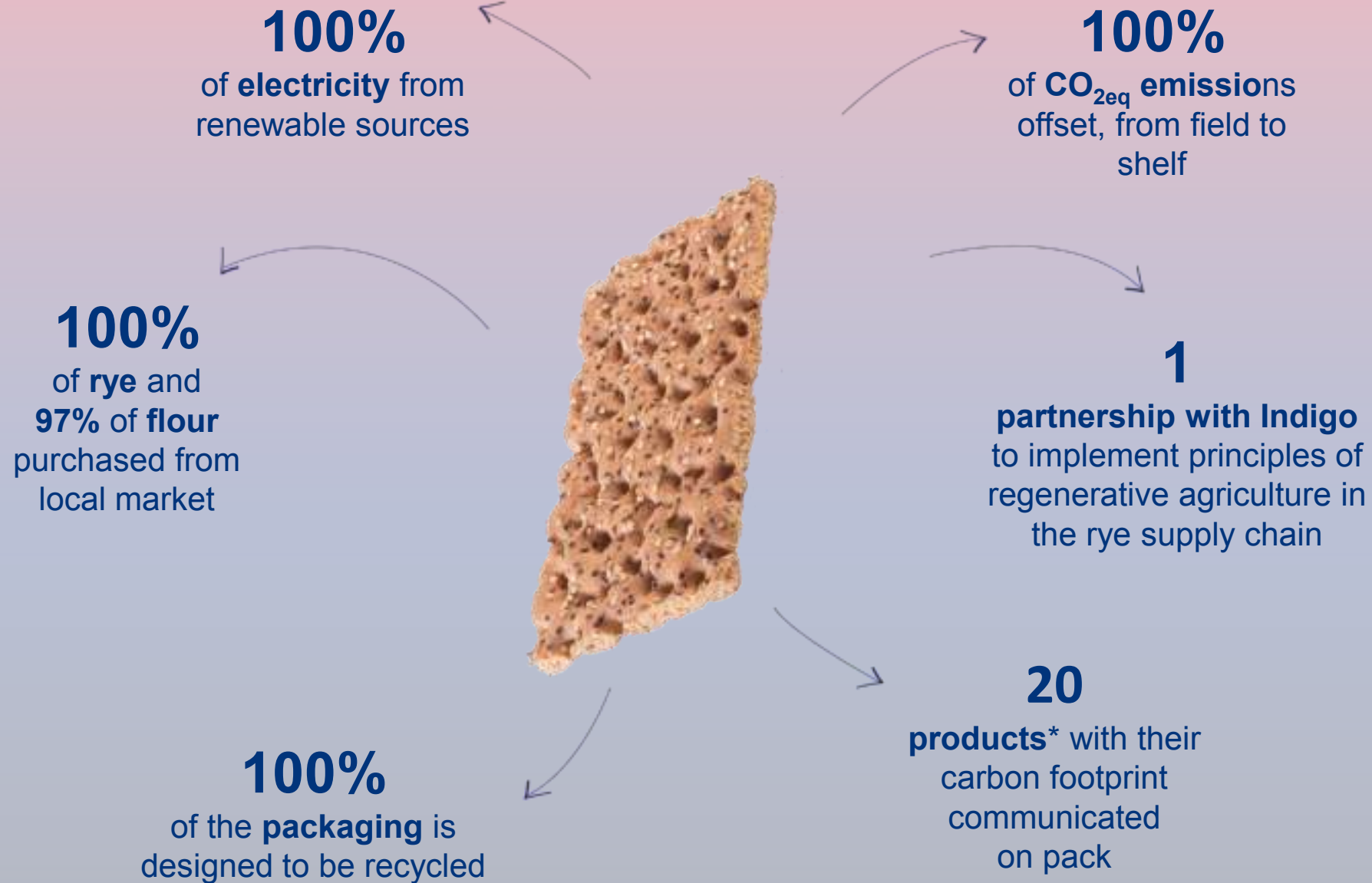
\* Excluded Canada, Russia and U.S.A., full range by 2025

discover more:  
[www.barilla.com](http://www.barilla.com)



discover more:  
[www.barilla.com](http://www.barilla.com)





*\* sold in the Nordics*

discover more:  
[www.wasa.com](http://www.wasa.com)

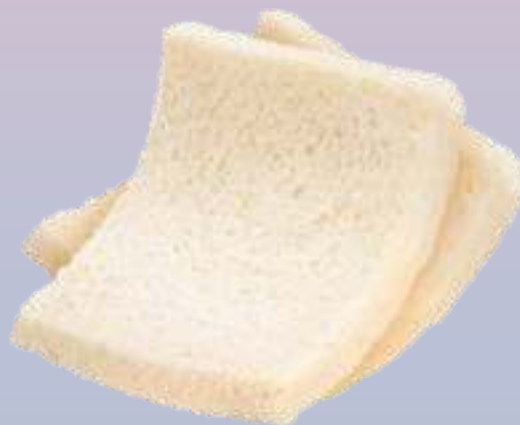


discover more:  
[www.mulinobianco.it](http://www.mulinobianco.it)



**1**

**Harrys Charter:** a set of principles developed for a sustainable soft wheat supply chain



**738**  
farms engaged in sustainable agriculture projects, for over 118,000 tons of soft wheat

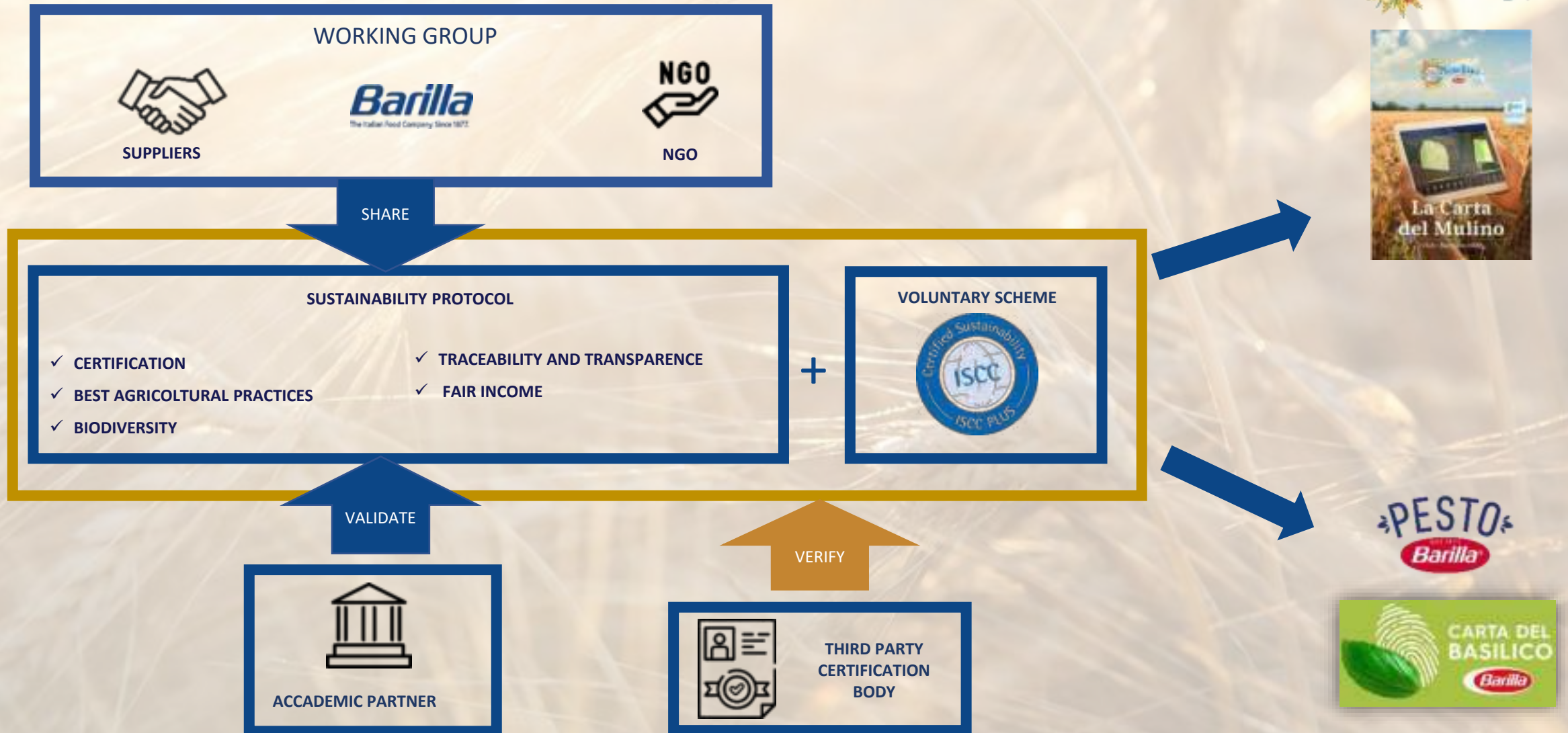
**100%**  
of soft wheat flour from sustainable agriculture

**100%**  
of eggs from cage-free hens

**100%**  
of CO<sub>2eq</sub> emissions offset, from field to shelf

discover more:  
[www.harrys.fr](http://www.harrys.fr)

# BARILLA SUSTAINABILITY STRUCTURE



# BIODIVERSITY RESULTS (University of Bologna Research)

Comparison of n°61 farms (CMB) with flowering areas (FA) and spontaneous field margins (control)



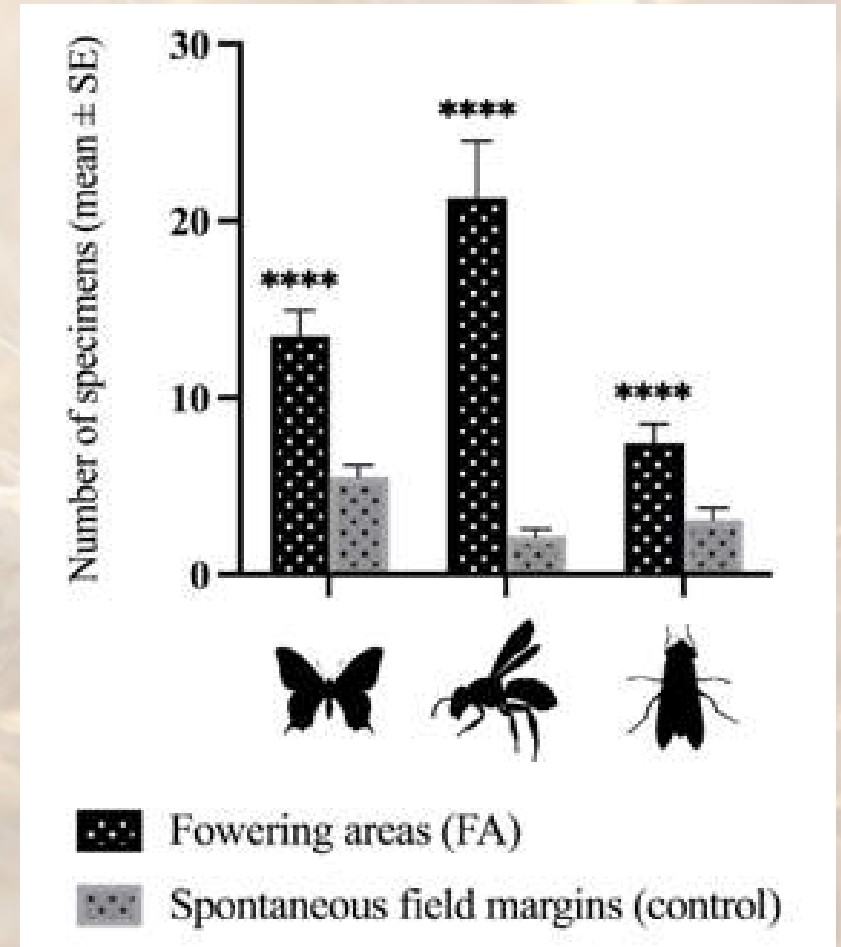
**978** on FA VS **62** on  
spontaneous field margins



**823** on FA VS **337** on  
spontaneous field margins



**644** on FA VS **190** on  
spontaneous field margins



# BARILLA SUSTAINABILITY COMUNICATION

Dissemination of our initiatives trough the following main channel

## SUSTAINABILITY REPORT



## ON PACK



## MEDIA AND OTHERS



# FIELD SIGN



#CARTELMULINO

Grazie

Ευχαριστούμε

Спасибо

Teşekkürler

Gracias

**Barilla**

Thank you

The Italian Food Company. Since 1877.

Merci

Danke

[www.barillagroup.com](http://www.barillagroup.com)



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@barillapeople



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# Q&A Session

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[circhive.eu](http://circhive.eu)

# BEEHive – Biodiversity Excellence of Enterprises

Network of companies & cities that are/will be early adopters of comprehensive sustainability footprinting

## ***Join the BEEHive!***

- Learn from project outputs
- Join webinars and seminars
- Network within own sector
- Peer support

## ***Follow us!***

@CirCHive

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[www.denkstatt.eu](http://www.denkstatt.eu)





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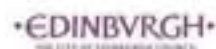
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