



ENVIRONMENTAL BALANCE 2016
[edited on the 1st March 2017]

FALPI protects the environment 

WHAT IS AND WHY TO EDIT THE ENVIRONMENTAL BALANCE.

The increasing attention of public opinion and Governments to environmental issues connected to the production activities has led companies to produce purely environmental media.

With this in mind the Environmental Balance is a means of communication at the disposal of all those companies interested in developing a more detailed knowledge of the environmental issues linked to its productive system.

The preparation of the Environmental Balance fulfills a basic need sustainable management: the complete and correct presentation of the relation company -environment which cannot be limited to the mere consideration of relevant data in the usual economic and financial accounts.

The company that evaluates its impact on the environment, in order to reduce it, can control costs, but at the same time can benefit from new competitive outlook related to improving efficiency and effectiveness both environmental and economics.

Falpi , thanks to this document, wants to "overview the situation", making available to all involved parties and with free access on the Web, all the environmental aspects of the company activities, which are the reached and the pursued goals in progress.

«THE COMMITMENT TO PRESERVE THE ENVIRONMENT, WHERE FALPI WORKS EVERY DAY, IS NOT AN OPTION BUT A NEED TO GUARANTEE THE SUSTAINIBILITY OF THE FUTURE GENERATIONS».



ENVIRONMENTAL BALANCE ITEMS.

Environmental Balance items.

Items included in the environmental balance are the result of the general evaluation, borrowed from our integrated management system and from environmental policy based on the following criteria:

- Diffusion, among the staff at every level, of the sense of responsibility for the environment
- Decrease of emissions of pollutants
- Effectiveness in using the resources
- Decrease of the consumption of non-renewable resources (materials and energy)
- Decrease of the pollution and produced waste (both for quantity and danger)
- Use of the renewable resources
- Enhancement or regeneration of local resources
- Impact of technical innovation on the productive system or on consumptions in general
- Ability in involving in its activity the Stakeholders
- Transmit the information required to understand the effects of the actions of our company on the environment
- Show to our customers the necessary precaution to be observed for the respect of the environment, in using and removing Falpi products
- Verify that suppliers who work on the site undertake to respect the cornerstones for a correct environmental management
- Apply procedures/practice to supervision in order to check the conformity of the environmental policy
- Assess the consequences of the actions on the territory
- Constantly improve Falpi's environmental performance
- Design products with a low environmental impact

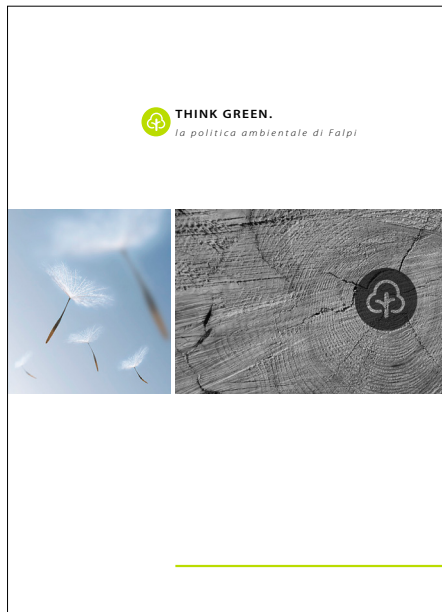
The respect for the oversaid criteria guarantees both the total conformity to the environmental policy and the pursuit of the continuous improvement of the environmental effectiveness.



ENVIRONMENTAL POLICY.

A correct and careful environmental policy is the base of our activity; ISO 14001 certification is just a part of our constant commitment, it is the first step of a virtuous "stairway" made up of actions and continuous enhancements which we have decided to get on.

Pursuing our environmental policy we put in place strategies and we operate decisions to reach as close as possible the goal "ZERO ENVIRONMENTAL IMPACT".



AWARENESS PROCESS OF THE STAKEHOLDERS

The company has started since 2006 a process of awareness of the stakeholders on the environmental issues identifying as interlocutor: the Staff, Suppliers and Customers, NGO, authorities and public administration.

Staff

In 2015 the process of awareness of the staff went on, as well as their direct involvement on the environmental matters maintaining high the “attention threshold” into the establishment on the right behaviour for the productive practice.

Regular meetings with the staff have continued showing both new projects and the achieved enhancement.

Particularly internal operating procedures have been reviewed aimed to:

- reduce consumption;
- give priority to the design of textiles with low environmental impact taking into
- make products with recyclable and/or recycled materials with a minimum percentage of 50%.
- making aware and inform about the system of the waste collection.

Suppliers

The awareness of new suppliers on the environmental subjects and on our Environmental Policy goes on by a direct and customised inquiry according to type of Supplier.

The goal was to actively involve the Suppliers in every environmental indirect aspects identified and connected to our processes.

Suppliers part of the supply chain of every component of our certified product have been involved in the projects Ecolabel and EPD.



IL PROCESSO DI SENSIBILIZZAZIONE DELLE PARTI INTERESSATE

The Market

Some important initiatives have been taken in order to inform the market about the progress of Falpi in environmental scope . We have promptly started an awareness-rising with a sequence of aimed and careful newsletters to all our active customers (both of distribution and use of our product): which can immediately benefit from a customised and quick information to be always aware of our activities.

Since five years we have appeared in the Sector Press.

To harmonize and enhance the work done, but also to make available to everyone every information useful to follow a virtuous path from the environmental point of view , we have created a website: www.falpi.com/ambiente.html.

Thanks to this website, Visitors can collect ideas, information, regulatory references and useful indication to approach the environmental subject. The website is aimed to be an information tool and an incentive for other parties which want to make an effort to improve their environmental performance.

An important point for the information to the Market has been the exhibition Issa Interclean in Amsterdam.

In 2009 has been established the first Clean Green Award. Falpi took part to the event with EPD certification and it achieved the first prize in the Tools Category.

This Award, which reward us and gives us a further incentive to our effort for the future, has revealed a pleasantly sounding board incredibly effective for the promotion of the product and for the corporate image.



**THE PRIZE:
CLEAN GREEN AWARD 2009**

During the international exhibition Pulire 2009, occurred in Verona from 9th to 12th June 2009, the Microrapid trolley has been awarded as the most environmental friendly equipment.

The Microrapid trolley established itself on a competition, qualified and fierced thanks to its peculiarities, but above all thanks to the great work played in the production chain.

The jury, consisting of experts in environmental issues at every level, wanted to justify their choice in this way:

“ Clean Green Award 2009 is assigned to MICRORAPID 2 - INOX stainless steel Falpi - for the complex and rigourous work of improvement on the production system and for the specific undertaken in the management and in the life cycle of its product , from its conception until the end of its life. The result is even more significant as the company, despite its small sizes , courageously has made a considerable effort both in term of costs and management, to reduce the impact of its production and its product on the environment. Microrapid 2 trolley is a significant example on how it is possible to reduce the environmental impact of a product considering its full life cycle. ”



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CLEAN GREEN AWARD 2010 HONORABLE MENTION

As for the previous edition, we have also participated in the Clean Green Award in 2010.

Even if we do not hide our disappointment for not being rewarded, we are proud that the jury of the Award wanted to underline our effort with the Honorable Mention with the following text:

"To the company FALPI, that with the impregated cloths Ecolabel, has demonstrated one more time an ongoing commitment in planning solutions with the lower environmental impact and to serve as a company driver in the Professional Cleaning sector in the environmental field using also instrument as the European Ecolabel".



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CLEAN GREEN AWARD 2011 HONORABLE MENTION

As for the previous edition, we have also participated in the Clean Green Award in 2011.

The innovation proposed in this edition has been recognised once again by the Jury as deserving of the Honorable Mention saying:

"...the software MyPadDock (Catalab) represents a model of good management practices, which, using a smart filing system of information, avoids unnecessary printouts and optimizes time management, with a resulting and cross decrease of the environmental impact".



CLEAN GREEN AWARD 2014 HONORABLE MENTION

As for the previous edition, we have also participated in the Clean Green Award in 2014.

The Jury of the award, made up of experts in environmental themes at every level, wanted to justify its own choice in this way:

"The Clean Green Afidamp Award 2014 has been assigned to ULTRARAPID Microfibre wet-mop for its constant commitment in planning solutions with the lower environmental impact. The candidate product, which thanks to a patented innovation has a longer average life cycle in comparison to the other wet-mop of the same range, testifies the environmental attention of the company also in relation to the hard work done to achieve the Ecolabel certification on textiles, new in cleaning sector.



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ENVIRONMENTAL SUSTAINIBILITY PROJECTS

Starting from 2008 Falpi invested important technical and economic resources pursuing an ongoing enhancement of the environmental efficiency through three main projects: photovoltaic, EPD and ECOLABEL.

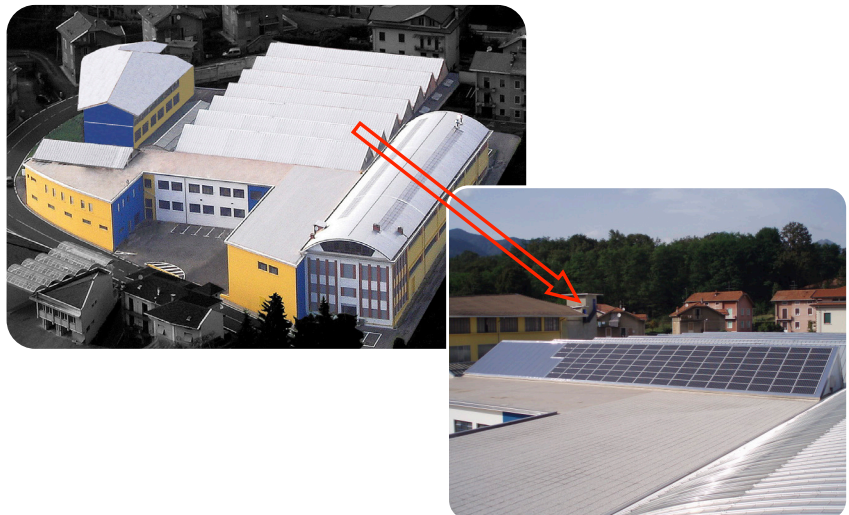
Photovoltaic Project

In November 2008 has been created and tested a new 20 KW photovoltaic system, which it is able to satisfy the 30% of the total energy requirement of the Company.

This system became completely operative in 2009 and it has contributed to the annual estimated decrease of 10.000 kg of CO₂.

Falpi photovoltaic system seems to have been the first one in Piedmont connected to the industrial production. It virtually guarantees the production of Falpi trolleys by clean energy.

It is the will of Falpi , after a careful check of the related environmental results, to further expand the system to pursue Falpi total energy independence, which thanks to the technical and structural intervention in the recent years, would be around total 80 KW.



ENVIRONMENTAL SUSTAINIBILITY PROJECTS

EPD Project “ Microrapid Family”

In 2009 Falpi has achieved the first environmental product declaration in Europe for a cleaning service trolley: Microrapid 2.

In February 2012, on the occasion of the renewal of the EPD validation, the environmental declaration has been extended to Microrapid trolleys , including n. 4 trolleys (Microrapid 1, Microrapid1 Big-foot, Microtech Max1 and Microtech Max 2).

In May 2013 the family has been extended from 5 to 21 models.

Particularly thanks to the evaluation of the whole life cycle of the trolleys starting from the raw materials, going through the processes of design, production, distribution and end of life we have firstly quantified the carbon dioxide emissions (main greenhouse effect gas) in addition to other gases with a lower degree of infrared rays absorption necessary for the production of a trolley.


The result obtained has been officialized in the Climate Declaration of the product, and particularly by the GWP index (Global warning potential), which attests a contribution of 160 kg CO2 equivalent to produce 1 trolley.

The complete declaration is available on the website www.environdec.com



ENVIRONMENTAL SUSTAINABILITY PROJECTS

Also thanks to the achievement of this result by Falpi, the trade association of the sector AFIDAMP realized a PCR for the cleaning machines, aimed to the manufacturers: we hope that our commitment, even in this case, will be helpful and stimulating for other companies.



ATTESTATO DI CONFORMITÀ

Sulla base delle verifiche condotte da tecnici di questo Organismo di Certificazione sia sulla documentazione presentata (Studio LCA Rev 1 del 20/02/2017) che presso l'Organizzazione in fase di verifica ispettiva in data 15/02/2017, ed a fronte di una verifica tecnica indipendente a valle della verifica, rapporto di verifica finale n. 17 TO 19 MP del 18/04/2017

SI ATTESTACHE:


La Dichiarazione Ambientale (EPD) Rev 14 del 18/04/2017
relativa al prodotto/servizio:
Carrelli per le pulizie in acciaio inox
predestinata dall'Organizzazione:

FALPI Srl
Via diagonale, 120
Fraz. Ponzone, 13832 Trivero (BI)

**E' CONFORME AI REQUISITI DELLO STANDARD
GENERAL PROGRAMME INSTRUCTIONS FOR EPD Version 2.5
E PCR 2008:07 Version 2.2**


A testimonianza di tale conformità ogni pagina della suddetta Dichiarazione è stata identificata con un marchio del RINA ed è stata in ultimo apposta il timbro RINA di conformità.
La revisione dei documenti sottoposti a valutazione è stata effettuata a valle della realizzazione dell'EPD e non contestualmente alla sua elaborazione ed ha incluso la validazione del modello d'inventario e un'analisi di set di dati individuali.

Luana Severino
Sustainability & Climate Change Unit Manager


RINA
Via Corsica, 12 - Genova

Genova,
Data di emissione: 18/04/2017
Data di validità: 18/04/2020

EPD certification



CLIMATE DECLARATION FOR CLEANING INOX TROLLEY OF THE MICRORAPID FAMILY

Declared unit: One Microrapid trolley

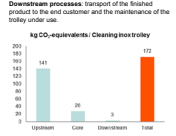
The climate declaration shows the emissions of greenhouse gases, expressed as CO₂-equivalents. It is based on verified results from a lifecycle assessment (LCA) performed as basis for an EPD[®] in accordance with ISO 14025.

Product
The stainless steel Microrapid Family trolley is used for industrial cleaning. This very robust trolley has been designed for micro-floors with low water and detergent consumption.

The most impacting trolley was considered as the representative of the Microrapid family: the Microrapid trolley MR2 BigFoot with microspikes, in 2014, no. 4,027 trolleys in the various range versions were constructed; of these no. 290 trolleys belong to the Microrapid Family in the 21 options offered and no. 1 to the Microrapid MR2 BigFoot with Microspikes.

Downstream processes: transport of the finished product to the end customer and the maintenance of the trolley under use.

kg CO₂-equivalents: Cleaning inox trolley



Process	kg CO ₂ -equivalents
Upstream	141
Use	26
Downstream	3
Total	170

Company
Established in 1987 and located in Ponzone, in the Municipality of Trivero, FALPI SRL, assumed itself as one of the most dynamic and innovative companies in the field of the production of items for industrial cleaning. FALPI SRL, is certified according to ISO 9001, ISO 14001 and SA 8000.


Climate declaration
The figure shows the emissions of greenhouse gases, expressed in kg CO₂ eq, using GWP 100 years for the following life cycle phases:

Upstream processes: production and transport of the component materials of the trolley, excluding the manufacture of the same component.

Core processes: manufacture at the factory, including the component transport to the factory.

Other environmental information
The complete certified declaration also contains information on calculation methods and LCA results for other emissions, resource use and waste etc., in accordance with the international EPD[®] System requirements.

Contact
FALPI SRL, 13832 Ponzone (BI), Italy
Contact person: Andrea Loro Piana
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www.falpi.com



EPD Programme: (14) Environmental EPD [®] System	Model Number: epd-04-0004	Unit: 170 kg CO ₂ eq
EPD Standard: EN 15804:2012	EPD Reference: EN 15804:2012	EPD Version: 2.0
Declaration: valid until 18/04/2020	Declaration and LCA, according to EN 15804:2012	Declaration: approved by RINA
Law Number: 48/2001 (EU) - http://eur-lex.europa.eu/legal-content/EN/TXT/?uri=CELEX:32001L0048		

Source: EN 15804:2012, EN 15804:2012 Annex B, EN 15804:2012 Annex C

The Climate Declaration

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ENVIRONMENTAL SUSTAINABILITY PROJECTS

EPD project “ Soligena Group”

Falpi is the company charter member of the Group Soligena composed by qualified companies on the national scene of the “ Professional Cleaning”. Since 2001 the Group has established itself as the ideal partner for cleaners and professionals of the sector.

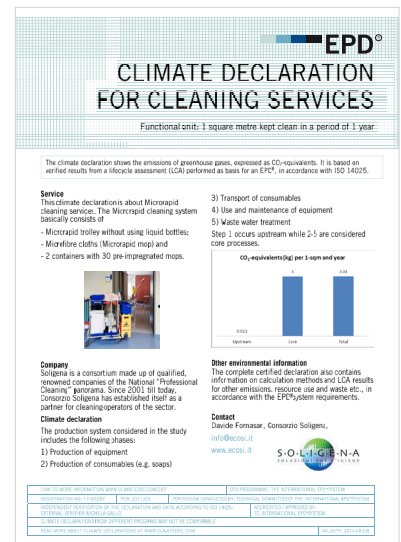
In August 2011 the Group Soligena, with Falpi leadership, achieved the first environmental declaration of the product in Europe for Microrapid system, revalidated in January 2013.

The result obtained has been officialized in the Climate Declaration of the product, and particularly by the GWP index (Global warming potential), attesting to a contribution of 3,04 kg CO₂ per 1 square meter of cleaned surface/1 year.

The complete declaration is available on the website www.environdec.com



EPD certification



The Climate Declaration

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ENVIRONMENTAL SUSTAINIBILITY PROJECTS

EPD project “ Textile Products”

In 2013 the project for the PCR (Product Category Rules) drafting of textiles (Floor-cloths, dusters and similar cleaning cloths) has started, disciplinary validated on the 3rd of December 2013 according to ISO 14025:2006 and to “The International EPD System” program.

In 2016 has started the renewal PCR process, whom approval and publication is estimated in the first half of 2017.

ENVIRONMENTAL SUSTAINIBILITY PROJECTS

ECOLABEL project

In November 2009 the family of products for floors sweeping called "impregnated cloths" has obtained the Ecolabel quality certification. The Label certifies the manufacturing of the products in compliance with the strict ecological criteria fixed by European Union. This prestigious achievement has been obtained also thanks to the cooperation of our raw materials suppliers.

Please note that this product is the first Ecolabel certified textile in the Professional Cleaning sector. Up to now the only textile products, manufactured by foreign producers only, had only the label Oeko-Tex.

The choice of Falpi has been to select a label recognized by a State agency, as Ispra, in order to count on a value recognized at European level even by Public Administration: certainly a more expensive and complex path, whose success did not appear, at first, anything but obvious.

In the Professional Cleaning, in addition to this product, only formulated detergents and paper products are certified: consumer goods justify huge investments in certifications. Falpi favored in the selection of the product to certify, among its products, the textiles for floor sweeping and washing.

In 2011 we obtained the renewal of Ecolabel license for the impregnated cloth according to new European criteria for textile products. Furthermore we achieved the license of Ecolabel for the product Kentucky Mop for floors washing.



ENVIRONMENTAL SUSTAINIBILITY PROJECTS

Throughout 2012 we have achieved the Ecolabel for the family of the Microfibre Mops for floor washing.

In 2014 we obtained the licence for Ecolabel for the group of products "microfiber cloths" for the sweeping and washing of surfaces and ojects.

In 2016 we achieved the renewal of of Ecolabel license for the following families: "impregnated cloth", "kentucky mop", "microfibre wet-mop" and "microfibre cloths".

Products with Ecolabel certification have been included in the Green Store of European Community , at the following address:

www.ec.europa.eu/ecat/

www.isprambiente.gov.it/it/certificazioni/ecolabel-ue/prodotti-certificati



"GREEN-WASHING"

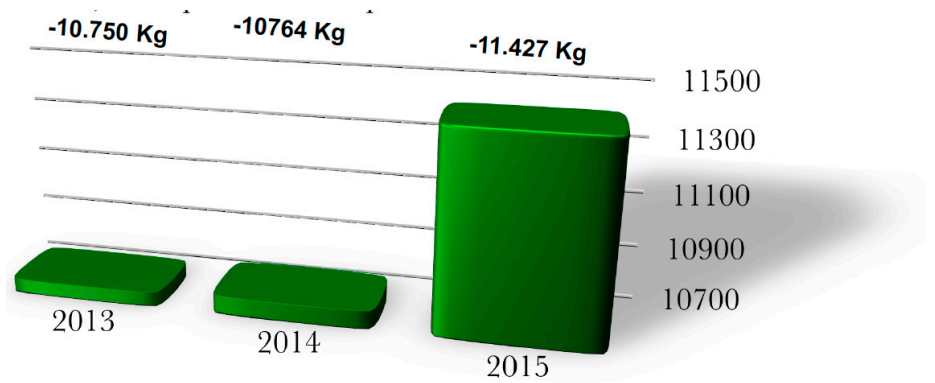
In 2016, as in the previous years, green-washing cases have occurred in professional cleaning sector too. In particular, we have been the spokesperson of a motion concerning a warning received from an end-user customer who, after having noted an incongruity in a technical data sheet of one of our competitors, has asked to us about this matter.

Actually, the mentioned data sheet was formally correct even if could cause some confusion for the consumer. Following the emission of new DM CAM (Ministerial Decree Minimum Environmental criteria) by the Ministry of the Environment we are expecting a worsening of this phenomenon; in 2017 Falpi commits to advise the Competent Bodies every kind of uncorrect behaviour toward the market by companies belonging to the sector, without excluding the possibility to start legal actions, if required.

If a Falpi supplier were involved in green-washing activities we will stop any business relation.

EMISSIONI IN ATMOSFERA

Thanks to the photovoltaic project, the produced energetic component coming from sustainable source is the 25,5 % of the total energy used, it contributes to reduction of the global warming, improving the performance of 6,2 % in comparison to the previous year.



 reduction of Carbon Dioxide emissions

NOISE EMISSIONS

According to the applicable legislation and to ISO 14001 regulation, the company did not receive complains connected to the noise, but it has continued to compare itself with the Public Administration in order to mantain and improve, if possible, the current standard and it guarantees the preservation of the environment where it works.

In particular, the company fully respects and applies the current noise zoning plan.

ENVIRONMENTAL ACCIDENTS

In 2016, as in the previous years, any environmental accident occurred.

ENVIRONMENTAL PERFORMANCES					
Resources used in the production process	units	2016	2015	2014	change '16/'15
Water consumption					
Water	m ³	110	110	110	0%
Energy consumption					
Total electric energy	kW/h	105.042	89.704	86.156	17,1%
Energy from renewable sources	kW/h	21.890	22.855	21.259	-4,22%
Energy from renewable sources on total	%	33%	33%	33%	
Thermal energy	GJ	1.419	1.378	1.367	2,97%
Chemical products consumption					
Oil of mineral origin for the production	Kg	nr	nr	nr	nr
Waste management					
Waste	Kg	15.049	14.635	16.512	2,83%
% of waste nsent to recycling	%	100%	100%	100%	
Dangerous waste	Kg	0	0	0	
Polluting emissions					
Volatile organic compounds	mg/Nm ³	0	0	0	
Powders	mg/Nm ³	0	0	0	
Thermal power plant emission					
CO	%	45	3	0	
CO ₂	%	8,6	8,6	8,5	
SOx	mg/Nm ³	nr	nr	nr	
NOx	mg/Nm ³	97	102	41,5	
Emission in the water					
COD	ml/l	0	0	0	
BOD	ml/l	0	0	0	
Nitrogen	ml/l	0	0	0	
Metals	ml/l	0	0	0	
Phosphor	ml/l	0	0	0	
Trasport analysis					
CO ₂ emitted into the atmosphere by own means	Kg	2.298	1.622	1.624	41,68%



ENVIRONMENTAL MENAGEMENT

	units	2016	2015	2014	change '16/'15
Environmental certification					
Establishments involved	n.	1	1	1	
Level of coverage					
Level of coverage	%	100%	100%	100%	
Process covered by ISO 14001 Certification	%	100%	100%	100%	
Process covered by environmental declaration EPD (*) EPD of Consortium Soligena system	n.	46+1*	21+1*	21+1*	
Process covered by environmental certification ECOLABEL	n.	142	140	140	
Turnover of products covered by environmental label (EPD, Ecolabel)	%	22,02	17,90	19,25	23,02%
Research and Innovation					
Costs of research and innovation	€	17.439	14.385	6.300	21,23%
Employees costs for the research	€	2.383	1.376	1.500	73,18%
Environmental costs					
Total current costs	€	6.895	9.450	9.464	-27,04%
Total environmental investments	€	0	0	0	
Peolple working on environmental issues	n.	5	5	5	
Costs of staff awareness project on environmental issues	€	154	102	43	50,98%
N° of claims of the stakeholders					
Staff	n.	0	0	0	
Customers	n.	0	0	0	
Suppliers	n.	0	0	0	
Stake-holders	n.	0	0	0	
Environmental disagneements					
Environmental actives processes	n.	0	0	0	
Environmental passive processes	n.	0	0	0	

