

Survey Environmental aspects in the Sustainable salon

1. Introduction

In this project we will step by step develop a simple standard focussed on environmental aspects in a sustainable salon. For this it is necessary to gather knowledge about the various environmental aspects that play a role in the hairdressing salon.

The basic principle that we use is to map this from the various workplaces in a hair salon. At these workplaces, various activities take place that consist of different processes. The workplaces as we have provisionally defined them are:

- Shampooing
- Cutting
- Dyeing
- Perming
- Styling
- Nails
- Management.

We have also used this workspace layout in the following Erasmus+ project: "Future Skills & Sustainable Development in the Green Salon" that closed in 2018.

These activities may or may not result in a burden on the environment. From the legislation and the ISO 14001 standard, the following environmental aspects are mentioned: soil, water, Air/odor, raw material/additives, waste and energy. We have made a survey to gain more information of the environmental aspects and its impact in the hair salon.

The research was conducted in Belgium, Spain, Italy and the Netherlands by means of a questionnaire.

2. Questionnaire

Sustainable salon
Certification of a sustainable salon

Developing a certification standard - Assignment

During the first presentation we explained shortly the steps of developing a standard. In this project we will step by step develop a standard for a sustainable salon. Therefore we start with an assignment and some questions. Please answer these questions before the 15th of February. You can use this document for answering the questions.

Please send this document with the answers and possible additional information by e-mail to: eva.bouwman@dienstencentrum.com

1. Workstations

In the previous project 'Green Salon' several workstations were defined:

- Shampooing
- Cutting
- Dyeing
- Perming
- Styling
- Nails
- Management

QUESTION 1: Are these workstations complete, or do we miss important workstations?

FILL IN YOUR ANSWER:

- Yes, the workstations are complete
 - No, fill in the missing workstations:
 - 1:
 - 2:
 - 3:

2. Topics of a sustainable salon

For the time being, we use the workstations as a starting point. For each workstation it is important to indicate in broad lines which topics are important for the future certification standard.

QUESTION 2: Please fill in what in your opinion the main topics are for each workstation and give a short explanation? Don't forget used equipment's in each workstation which uses for example a lot of energy like a hairdryers or warm water for washing.

FILL IN YOUR ANSWER:

<input type="checkbox"/> Shampooing:
<input type="checkbox"/> Cutting:
<input type="checkbox"/> Dyeing:
<input type="checkbox"/> Perming:
<input type="checkbox"/> Styling:
<input type="checkbox"/> Nails:
<input type="checkbox"/> Management:

3. Levels of a standard

To create a set of criteria which is feasible for salons but also create an ambition for a higher level it is important to set the bar for 'Basic' 'Regular' and 'Plus'.

QUESTION 3: Give a short description for the 3 different levels so a salon can recognize itself. For example, salons certified for the regular-level at least meet the local legislation.

FILL IN YOUR ANSWER:

<input type="checkbox"/> Basic-level:

<input type="checkbox"/> Regular-level:

<input type="checkbox"/> Plus-level:

This assignment will be used for awareness and introduction to certification. For the project we want to know what thoughts the project members have, so we can continue developing the standard based on this knowledge.



	SHAMPOOING	CUTTING	DYEING	PERMS	STYLING	NAILS	MANAGEMENT
Subject							
Basic							
Regular							
Plus							



3. Results

The results of the research were sent to Stivako and processed in Excel sheets. These Excel sheets are the starting point for the development of the simple standard for hairdressing salons and schools. These results will be discussed, adapted, supplemented and tested against European legislation as it applies to the environmental aspects in a hairdressing salon. Below you can see the results.

topics per Workstation:	Belgium	Spain	Italy	NL
Shampooing	to reduce the use of water	Water temperature, consumption and flow	know-how of the used products in order to make green and sustainable choices	PPD and sulfate free and microbeads free products
	to use environmentally friendly products,	Water pollution: differences between rinsing shampoos and rinsing dyes, perms and other hard chemicals. Possibility of two different drains.	correct products and water dosage.	water waste (water-saving taps)
	to use throw-away towels that are biodegradable	Reuse of water in the bathrooms	Equipment: shampoo station (energy consumption for warm water, water waste, chemical contamination of water)	shampoo and conditioner waste (pumps for measured quantities)
	(no need for washing and drying, using energy and water)	Use of ecological shampoos, conditioners and other chemicals for hair hygiene, Use and disposal of gloves, Sustainable/washing towels and capes.		No disposable gloves
cutting	to use ergonomic tools, made of sustainable materials	Reusable hair cut capes, hygiene and sterilization of cutting tools, Waste management: Hair reuse, used blades, barber neck tape, gloves.	knowledge of correct cutted hair disposal. Equipment: hair clipper (energy consumption, waste battery disposal)	Hair collection for recycling (used for manure and a new technique has been developed to extract oil from waters) We can investigate how much power a clipper costs (electricity or battery)
	to use environmentally friendly products	Toxics: dyes, bleaches, shampoos and some other chemicals.	know-how of the used products (differences between chemical and natural ones) in order to make green and sustainable choices	ammonia and PPD free products
dyeing	to find alternatives for the use of aluminium foil	Foils, and sustainable alternatives	correct dosage when preparing dyeing mixture (color+H2O2) 3) Knowledge of post application treatments (during rinse procedure)	hair dye dose machine ? We have to check which firm this provide
	to use reusable materials, such as brushes to dye and mixing jars, recycling systems	Biodegradable or sustainable suplies and tools (bowls, stirrers, combs...)	Equipment: scale (waste battery disposal), shampoo station (warm water); personal protective equipment (gloves, mask and its disposal); extractor hood and air purifying system (in case of poorly ventilated environment)	
		Biodegradable or sustainable colouring capes, towels, highlights caps, and lingery		
		Energy consumption of the heat appliances		
		Gloves and cotton pads disposal		
		Waste management of polluted packaging (dyes tubes, bowls), plastic and cardboard		
		Rinsing colours (see shampooing work station)		
effective use of the products to reduce left-overs	Ventilation and vacuuming systems			

perming	to use perm fluid without GTG (glycerylthioglycolate)	Chemicals: permanent, straighteners and keratin	know-how of the used products in order to make green and sustainable choices	
		Waste management: Permanent papers, disposable capes, cotton pads, plastic wraps, termic paper	correct product dosage	
		Biodegradable or sustainable supplies and tools (bowls, colouring brushes, combs...)	Knowledge of post application treatments (during rinse procedure)	
		Biodegradable or sustainable towels, highlights caps, and lingerie	Equipment: scale (waste battery disposal), shampoo station (warm water); personal protective equipment (gloves, mask and its disposal); extractor hood and air purifying systems (in case of poorly ventilated environment)	
		Gloves and cotton pads disposal		
		Waste management of polluted packaging (permanent kits), plastic and cardboard		
		Rinsing chemicals (see shampooing work station). Energy consumption of heat appliances Ventilation and vacuuming systems		
styling	to use flacons with pump nozzle	Chemicals: mousse, hair spray, gel, wax...	know-how of the finishing products in order to make green and sustainable choices	energy-efficient hair dryers (dyson)
	to use wooden materials such as brushes and combs with a FSC-label	Biodegradable or sustainable towels, caps and other lingerie	Equipment: hairdryers and other styling tools (energy consumption) extractor hood and air purifying system (in case of poorly ventilated environment)	PPD and sulphate-free product
	to use energy-saving hairdryers	High energy consumption: dryers, irons, curlers.... Ventilation systems		Cruelty free products
		Waste management of polluted packaging (hair spray) plastic and cardboard		

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nails	to use LED-lights	Toxics: acrylic, gel, nail polish, polish remover and other chemicals.	we are not expert enough to talk about it	
	to use towels of biological cotton instead of throw away materials, such as wipes	Foils, and sustainable alternatives		
	to use materials or equipment with an energy label	Biodegradable or sustainable supplies and tools (nail files, bowls...)		
	effective use of the products to reduce left-overs	Biodegradable or sustainable towels		
		Energy consumption: leds lamps and other electrical equipment Waste management of polluted packaging (nail polish, cotton pads, acrylics...), plastic and cardboard Hygiene and sterilization of cutting tools Ventilation and vacuuming systems.		
management	to have a good management of the stock	Digitalisation: Apps to manage appointments and customers service, social media and software for management.	use of ICT devices (PC, tablets, smartphones...) and related software tools to create and manage customer DB, product warehouse, managing administrative archives, customer oriented booking systems, social media profiles and so on.	whether paper or digital is more sustainable.
	to inform and convince your co-workers and clients as a hairdresser	Domotic and sustainable air conditioning and lighting	Reducing the used paper by improving digitalization	
	to chose digital communication instead of printed communication	Waste management with local authorities and external stakeholders	Equipment: ICT devices (energy consumption, technological waste disposal, electric and magnetic fields related issues)	
	to work with local dealers	0 KM suppliers and proximity trade		
	staff training	Certificated, organic and safe suppliers		
	to install a programmable thermostat			
	to use Fair Trade products for coffee and tea use environmentally friendly cleaning products			

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Extra workstations:				
Laboratory and recycling area		Ventilation and vacuuming systems: fume hoods and safety cabinets Waste management within the salon: different containers and proper trash classification Hygiene and sterilization		
Storage and laundry room		Water and electricity consumption Safety storage cabinets for chemicals Sitting room/office for employers Ventilation		
Reception and waiting area		Eco friendly furniture Digital magazines and press Courtesy drinks (fair trade coffee and tea) and its cups: one use vs washing Plants to reduce pollution Awareness campaigns about sustainability: tips and advices of how to reduce our carbon foot print Use of some system to reduce water consumption		
applying wigs, extensions and hairpieces barbering				

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4. Determination workprocesses:

During the research it was indicated that a number of improvements can be made with regard to determining the work processes. Mentioned here are:

Belgium	Spain	Italy
applying wigs, extensions and hairpieces	Laboratory (place to recycle, to mix colors...)	Dyeing (including discoloration)
barbering	Reception and waiting area	Perming (including chemical hair straightening)
	Storage and laundry room	Management (including customer support)

During the continuation of the project, the workplaces will be reconsidered and relevant additions and improvements will be made.

5. Implementation levels within the environmental standard:

The different levels at which a company or school is positioned with regard to its environmental performance in the various work processes in the organization were also examined. An initial exploration was carried out in the study, which will be further elaborated during the project.

Levels of standard	Belgium	Spain	Italy	Netherlands
Basic level	a salon that works according to some sustainable guidelines out of a certified checklist, which can be proven, but where there's still a lot of room for more sustainability	The use of different systems to reduce water and electricity consumption (example: water aereators, lighth sensors, low consumption devices...)	1) Proper waste management (meeting local legislation)	The salon does waste separation
		Use of organic cotton towels	2) Using energy-saving lighting systems	The salon has LED lighting
		Green cleaning products (vinaiger, alcohols...)	3) Control water wastage	
		Use of 20% of non toxic cosmetics (certified)	4) Using non-pollutant cleaning products	
		20% of products come from "OKM suppliers" and proximity trade		
		Cardboard and plastic recycling		
		Not less than 10% of furniture, decoration items, and construction elements should be sustainable or certified.		
	Ventilation systems in the mixing color area.			

Regular level	a salon that works according to a lot of sustainable guidelines out of a certified checklist, which can be proven. The salon is locally legislated, but can still improve their sustainability or take it to a higher level	Electricity contracts with Green energy suppliers .	in addition to "basic level" requirements:	The salon has all the standards of the basic-level, plus:
		30% of water purification and the use of saving-water faucets	1) Using renewable energy suppliers	ecological paper towels
		50% of sustainable or biodegradable lencery	2) Using plants (how many?) for clean up salon air	biodegradable gloves
		Use of 50% of non toxic cosmetics (certified)	3) Using reusable products instead of single-use ones (i.e. towels)	The salon works with products without ppd and sulphates (microbeads)
		50% of products come from "OKM suppliers" and proximity trade	4) Using eco-friendly products for beauty and hair treatments	The salon invests in young people by educating them
		Cardboard, plastic and hair recycling		
		Not less than 20% of furniture, decoration items, and construction elements should be sustainable or certified.		
		Source capture ventilation systems (extraction arms) in workstations where hazardous substances are used		
	Mandatory training of one employee in sustainability			

Plus level	a salon that is fully organized in a sustainable way and checks all the points on the checklist	Low consumption home appliances (A+++): air conditioning, heaters, dryers, washing machines....)	in addition to "regular level" requirements:	The salon has all the standards of the basic level and regular level, plus:
		80% of water purification and the use of saving-water faucets	1) Using non-pollutant materials for building and furniture	Works exclusively with products that are 98 % organic
		80% of sustainable or biodegradable lencery	2) Have a grey and toilet water recycling system	Volunteering on community projects that serve the community, think of cutting homeless people or donating to projects that are of interest to the salon
		Use of 80% of non toxic cosmetics (certified)	3) Use a photovoltaic system as standalone energy supplying system (in this case point 1 of "regular level" no longer needed)	
		80% of products come from "0 KM suppliers" and proximity trade	4) Partecipate once a year (at least) in sustainability courses or workshop	
		80% Biodegradable or sustainable suplies and tools (bowls, coloring brushes, combs...)		
		Ventilation systems with carbon filters to reuse the air		
		Toxic waste management: used gloves, dyes tubes, highlight foil + Cardboard, plastic and hair recycling		
		Not less than 50% of furniture, decoration items, and construction elements (wood, paint...) should be sustainable or certified.		
	It has its national and European certificate of ecological management.			
	Mandatory training of all the employees in sustainability			

During the development we have to consider in what way we can make several levels in the standard. We have decided to use the ISO 14001 standard of environment as a basis of development.