



# Towards a sustainable campus

*SCE environmental achievements, initiatives, and Services*

*Fred Magnin, Cedric Garino*

# Energy – New-Built – Consolidation

# NEW HEATING PLANT MEYRIN B200

- **Heating plant configuration:**

- 3 boilers, 15 MW each (existing).
- 1 heat pump 6 MW.
- Space for future heat pump.

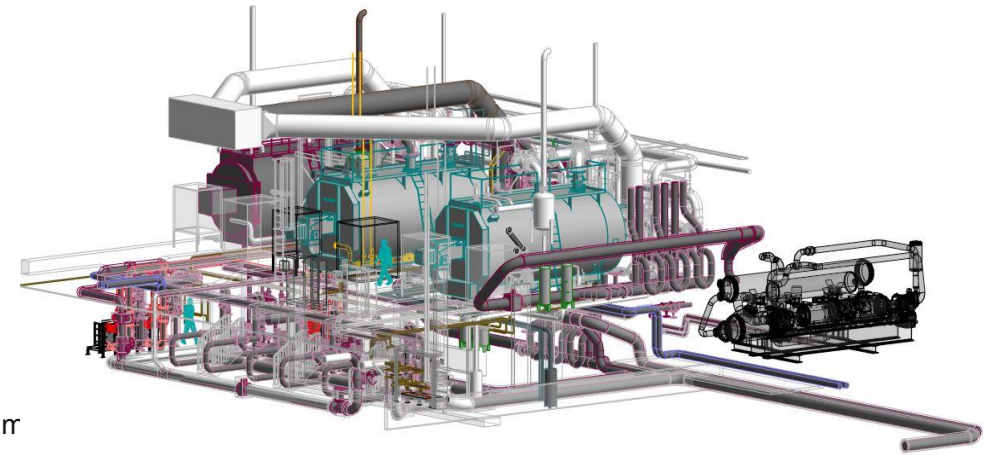
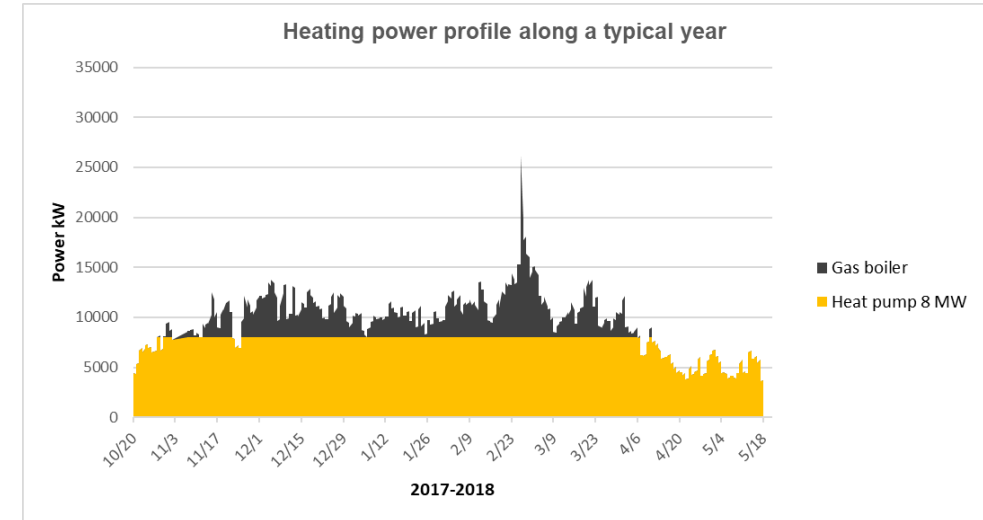
- **Objectives:**

Basic data\*

1 m <sup>3</sup> gaz	11.4 kWh	2.337 kg CO <sub>2</sub>
1 kWh gaz		0,205 kg CO <sub>2</sub>
1 kWh elec		0,0221 kg CO <sub>2</sub>
1 l diesel		2,5 kg CO <sub>2</sub>

- Basis: winter 2021-2022.
- Flexibility with gas boilers.
- 1 heat pump 8 MW heating capacity (6 MW evaporator = PA1 load).
- Space for future heat pump. No phase 2.
- Total gas consumption 2021-2022: **46,8 GWh gas (9600 tonsCO<sub>2</sub>).**
- Total consumption 2027: **17.6 GWh gas + 15.4 GWh elec.**
- Total consumption 2027: **3600 tonsCO<sub>2</sub> gas + 340 tonsCO<sub>2</sub> elec.**

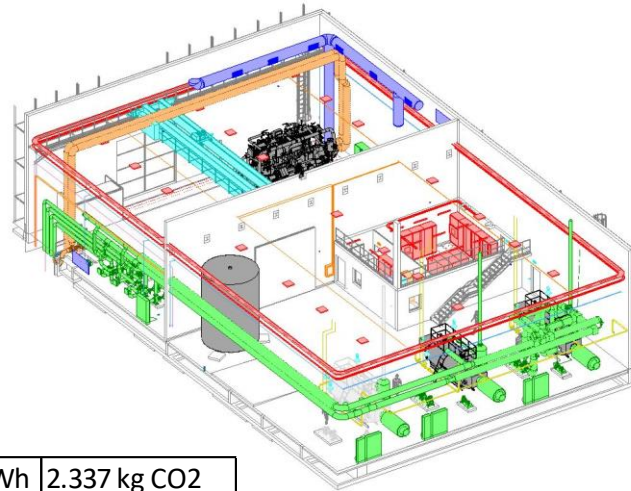
\* The ratio for the gas 0.205kgCO<sub>2</sub>/kWh could increase due to important part of the GNL gas in the European gas m



# NEW HEATING PLANT PREVESSIN B776

- **Heating plant configuration:**

- 2 boilers, 2MW and 4MW boiler Gas&Fuel
- 1 heat pump 2 MW.
- Space for future heat pump.



- **Objectives:**

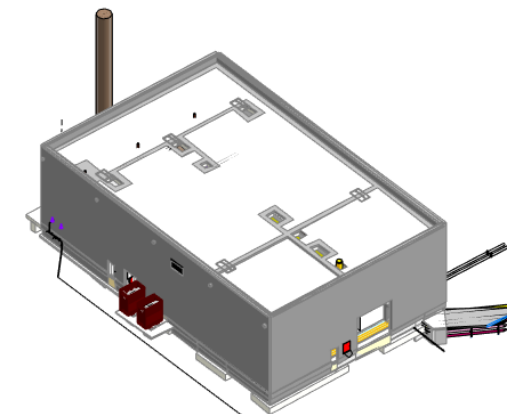
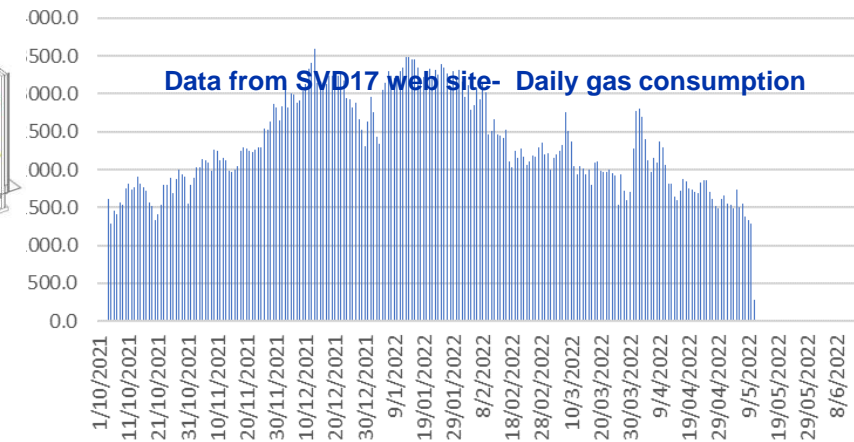
Basic data\*

1 m <sup>3</sup> gaz	11.4 kWh	2.337 kg CO <sub>2</sub>
1 kWh gaz		0,205 kg CO <sub>2</sub>
1 kWh elec		0,0221 kg CO <sub>2</sub>
1l diesel		2,5 kg CO <sub>2</sub>

- Basis: winter 2021-2022
- Flexibility with gas boilers.
- 1 heat pump 2 MW heating capacity (1.6 MW evaporator = IT load).
- Total gas consumption 2021-2022: **12.337 GWh gas (2529 tonsCO<sub>2</sub>).**
- Total consumption 2027: **1.46 GWh gas + 3.66 GWh elec.**
- Total consumption 2027: **299.3 tonsCO<sub>2</sub> gas + 80.9 tonsCO<sub>2</sub> elec.**

Heat pump = 80%

Daily Heating power Average [kW]



\* The ratio for the gas 0.205kgCO<sub>2</sub>/kWh could increase due to important part of the GNL gas in the European gas mix.

# ELED Campaign



- The ELED campaign, launched in January 2023, aims to replace all fluorescent tubes with energy-efficient LED tubes in tertiary buildings.
- The campaign is expected to take five years.
- To date, **44,424 tubes** have been replaced, reducing installed power by **977,4 kW**.
- A dedicated monitoring system has been established to plan and track the campaign's progress.

# B.36 – Energy performance Renovation



# B.864/865 Landscape parking

- Planting of 210 trees
- Rainwater infiltration and retention system improvements
- Installation of 3,300 m<sup>2</sup> of cellular paving for parking spaces.
- Creation of 3,000 m<sup>2</sup> of flower meadow, including 1,300 m<sup>2</sup> of vegetated ditches for:
  - Rainwater infiltration.
  - Natural water retention before infiltration, *during heavy rainfall.*
- Installation of electric vehicle charging stations for CERN's cars.
- New cycle path and installation of bike and motorcycle shelters.



## B. 777 New built project

- Increase renewable material
- Integrate renewable energy installation
- Consider nature and biodiversity
- Account for wellbeing
- Embrace circularity
- Formal certification





# Life Cycle Assessment

# Life cycle analysis

5 enjeux sont envisagés<sup>1</sup> et donc 5 indicateurs d'ACV sont associés



**Enjeu** : réduction des impacts sur le changement climatique  
**Méthode** : IPCC 100y 2021  
**Unité** : kgCO<sub>2</sub>e



**Enjeu** : réduction des consommations d'eau  
**Méthode** : AWARE (Available WAter REMaining)  
**Unité** : m<sup>3</sup>



**Enjeu** : réduction des déchets produits  
**Méthode** : RECIPE pour la gestion des déchets  
**Unité** : kg équivalent



**Enjeu** : réduction des consommations d'énergie et en particulier des énergies fossiles  
**Méthode** : CED (Cumulative Energy Demand)  
**Unité** : kWh par vecteur



**Enjeu** : réduction des consommations de ressources naturelles  
**Méthode** : CML (Guinée et al., 2002) pour l'épuisement des ressources abiotiques  
**Unité** : kg équivalent

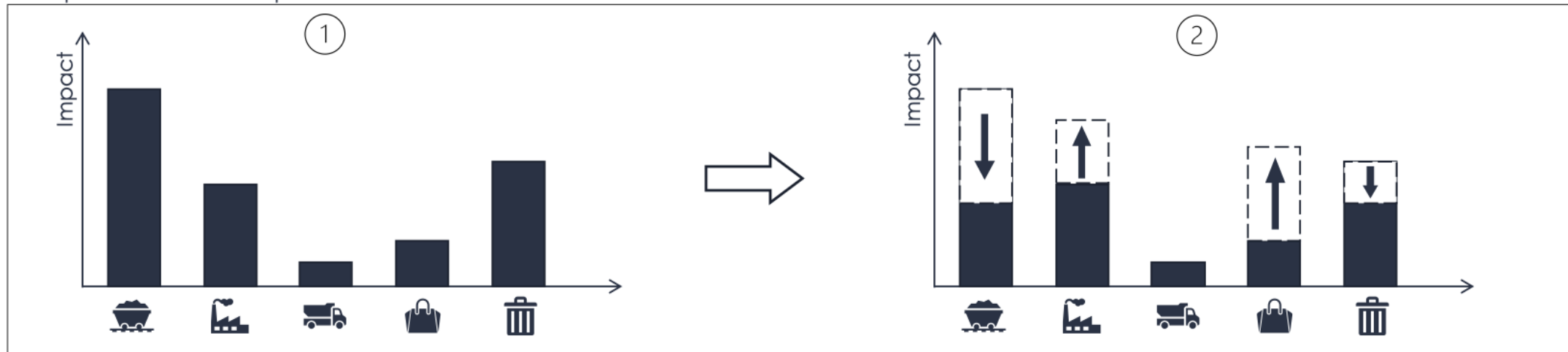
# Life cycle analysis

	PUR	Mineral wool	Woodfibre	Cotton	Cellulose	Hempcrete
 CO <sub>2</sub>	49,07	8,16	37,88	20,95	3,63	-34,65
			86% bio-based	70% bio-based	85% bio-based	26% bio-based
	Available on reuse market	37% recycled		85% recycled	85% recycled	
		90% recycled				
	0,27	0,27	0,27	0,18	0,18	0,17
	D-s2-d0	A1	E	B	B-s2, d0	E
	15cm	22cm	24cm	38cm	38cm	46cm

# Life cycle analysis

**Focus | Une ACV permet de révéler les transferts d'impacts potentiels entre deux solutions et de choisir en conséquence**

Exemple de transfert d'impact entre deux solutions



**Éviter les déplacements de pollutions**  
entre les différents indicateurs **et** entre  
les phases du cycle de vie

# CERN RESP

# Regenerative Environment and Social Programme

## Our Vision

*The CERN Campus is the Gateway to CERN's Science and discovery. Our vision is to enable science excellence where our community and natural environment thrive in harmony, for future generations. Our approach is one of regenerative environmental stewardship and positive social purpose, with nature being an integral part of an efficient, low carbon campus, protecting it and being protected by it.*

## Implementing the Vision

*This vision shall be delivered through CERN Campus Regenerative Environment and Social Programme (RESP). Through this programme CERN builds on its significant achievements of the Site Consolidation Programme and starts to build on these renewed ambitions. A holistic impact framework (HIF) has been created as a decision-making support to enable accountability and transparency of decisions to progress towards these ambitions. The HIF considers carbon emissions and integrates areas of the Campus' environmental and social context. It will be visible through a digital dashboard showcasing the decisions and rationale.*

*RESP contributes to CERN taking the lead and rise to the pressing planetary challenges of our time.*

# Regenerative Environment and Social Programme (cont.)

DRAFT\_v5

## CERN Campus Regenerative Environment & Social Programme (RESP)

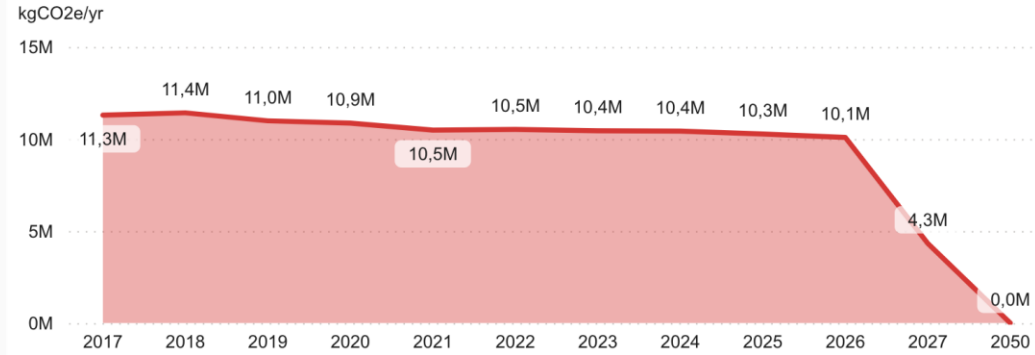
### Overview

This dashboard summarises the decarbonisation progress of CERN's tertiary buildings across Meyrin and Preveessin campuses since the baseline year of 2017. Significant carbon reduction achievements have been made through the CERN Campus RESP through renovations, energy-efficient new builds and the installation of two new heat pumps coming online in 2027. The dashboard focuses on the operational heating and capital carbon impacts of the Programme and the costs associated with these interventions. Please note that the list of interventions is not exhaustive. While the data is based on theoretical figures, it provides a valuable insight into the decarbonisation trajectory.

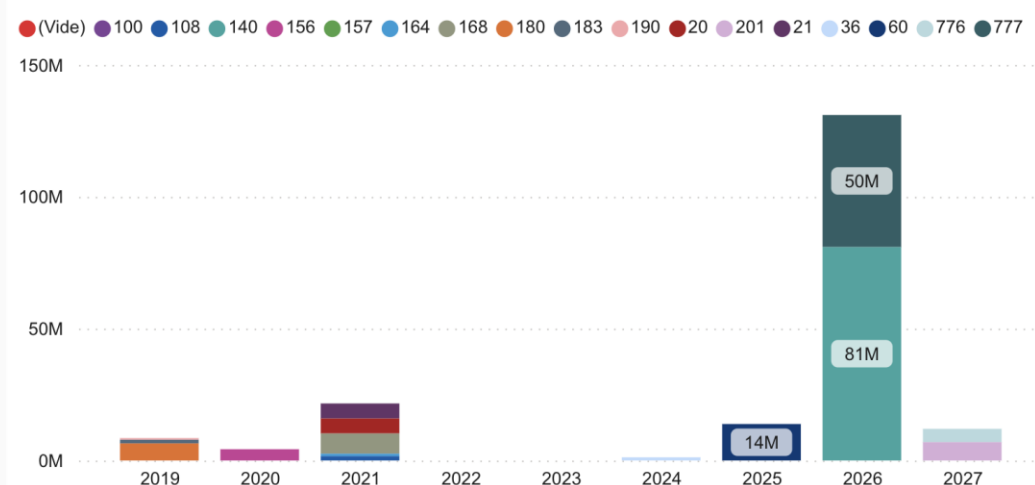
Select the location

- MEYRIN
- PREVESSIN

### Operational heating carbon reduction trajectory



### Cost of interventions (CHF)



**Operational carbon saving to 2024**  
Baseline year 2017

**-7.7%**

**Operational carbon saving by 2027**  
Baseline year 2017

**-61.7%**

**Cost of interventions to 2024**  
Baseline year 2017

**CHF 35.6M**

**Cost of interventions to 2027**  
Baseline year 2017

**CHF 192.4M**

**Operational carbon saved per yr to 2024**  
kgCO2e, Baseline year 2017

**868,848**

**Operational carbon saved per yr to 2027**  
kgCO2e, Baseline year 2017

**6,972,547**

**Useable m2 (2024)**

**527,473**

**No. of buildings (2024)**

**475**

# Regenerative Environment and Social Programme (cont.)

DRAFT\_v5

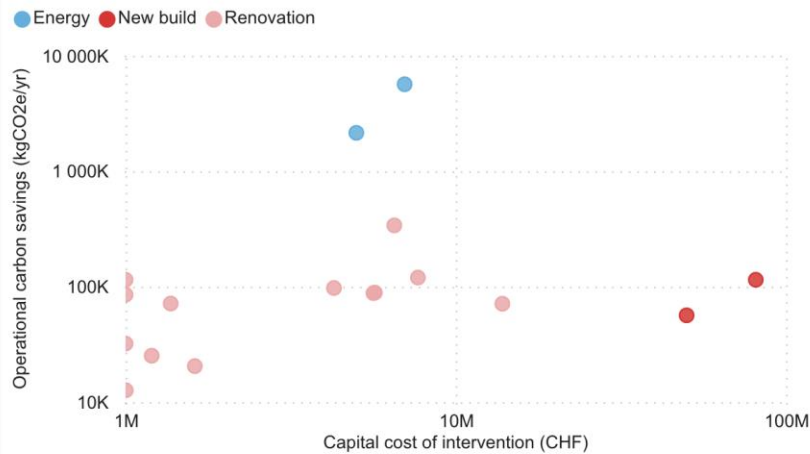
## CERN Campus Regenerative Environment & Social Programme (RESP)

The interventions to 2024 and future planned interventions are displayed, detailing the capital carbon impacts and operational heating carbon emissions saved.

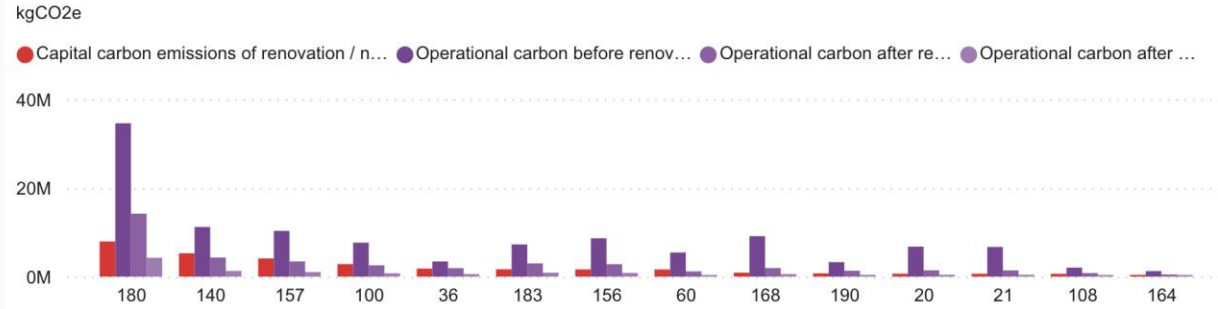
### Intervention

Building no.	Year	Type of intervention	Location	Description of intervention
100	2026	Renovation	MEYRIN	Global renovation: envelope, electrical network, lights and HVAC, asbestos & lead removal
108	2021	Renovation	MEYRIN	Global renovation: envelope, electrical network, lights and HVAC, asbestos & lead removal
140	2026	New Build	MEYRIN	Office-lab building
155	2026	Demolished	MEYRIN	Buildings to be demolished following

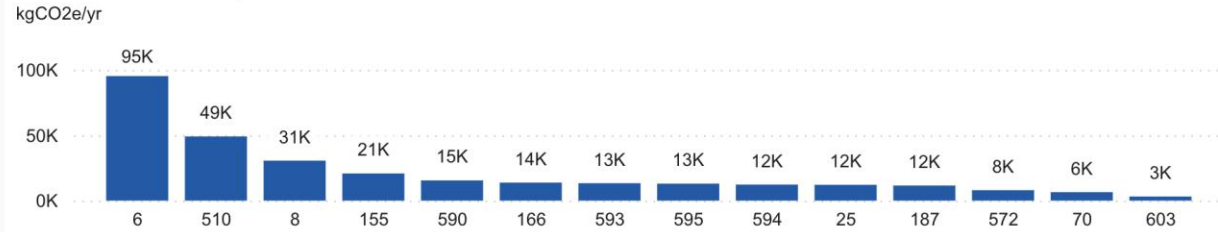
### Capital cost for intervention and operational carbon savings



### Capital and operational heating carbon emissions



### Operational heating carbon emissions saved from demolition



### Capital cost per kg of operational heating carbon emissions saved





# Regenerative Environment and Social Programme (cont.)

DRAFT\_v5

## CERN Campus Regenerative Environment & Social Programme (RESP)

### Project impacts

The Holistic Impact Framework (HIF) provides a process for including carbon, environmental and social impacts in decision making for campus projects on a scale of +3 to -3.

Select a project or domain to compare scores for the Carbon, Environmental and Social

#### Project

Tout

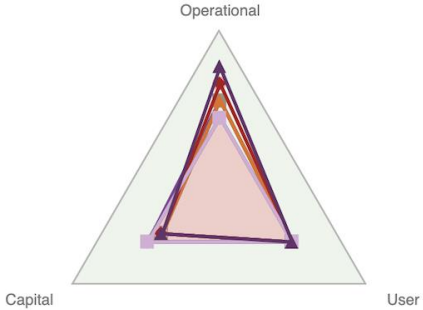
#### Domain

Tout

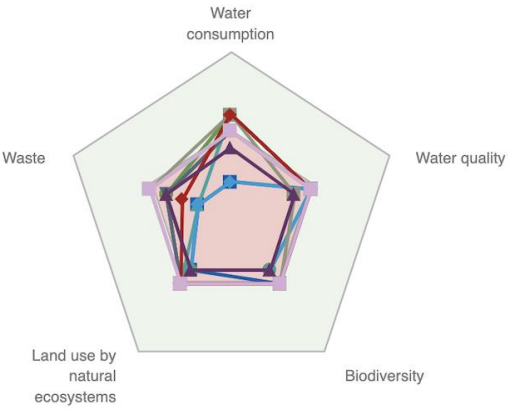
#### Key

- Score - B100 consolidation
- Score - B108-164 consolidation
- Score - B140
- ▲ Score - B3150
- ▼ Score - B36 consolidation
- Score - B60 consolidation
- ◆ Score - B777
- Score - Green parking Preveessin
- ▲ Score - Insulation of B20-21-168
- ▼ Score - Insulation of building 180-183
- Score - Light replacement campaign
- Score - Meyrin heating plant
- Score - Outdoor meditation social seats
- ▲ 1/2 ▼

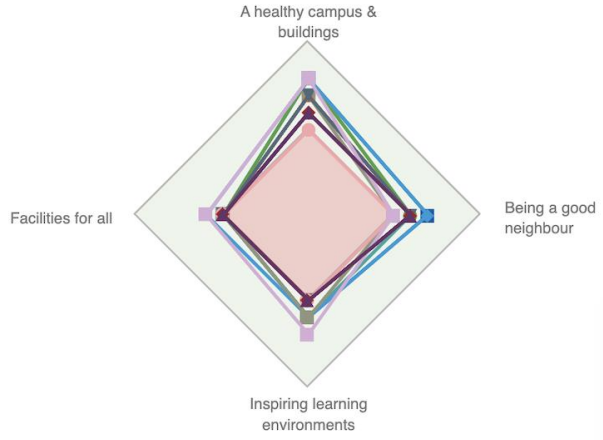
### Carbon impact



### Environmental impact



### Social impact



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## CERN Campus Regenerative Environment & Social Programme (RESP)

### Campus impacts

The chart to the right details the campus level impact over time.

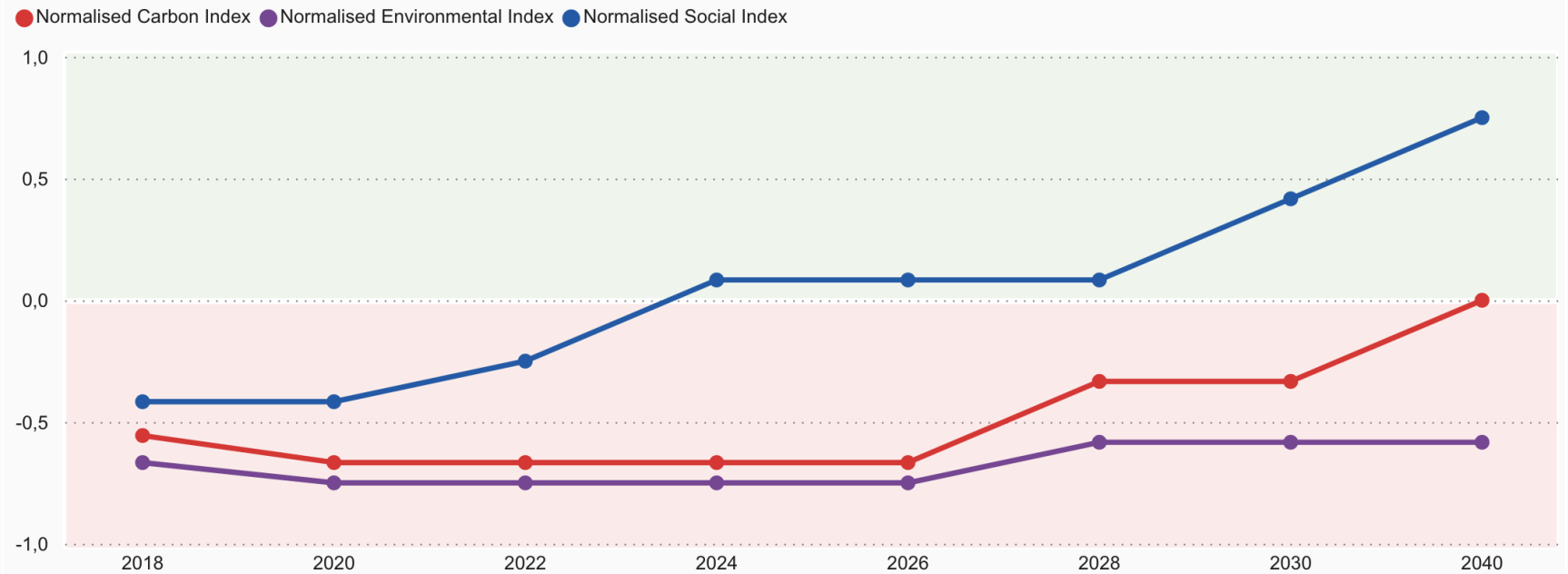
- Social index starts negative, due to the "time honoured" buildings.

- 2027: Heating plants result in an improvement of the carbon index, but the index remains negative because overall the campus is still emitting.

- 2040: the ambition for carbon is to be close to "net zero". At a campus level this is zero impact, positive impact would require the campus to be sequestering.

- Completion of the 2040 masterplan results in a positive social impact at campus-level.

### Campus-level impact over time



# CAMPUS SERVICES



### E-bike sharing à Prévessin

2023-04-28



### Un test de mini-véhicules a eu lieu au Prévessin entre 19-23 juin !

2023-06-30



### Nouvelle ligne de covoiturage HéLéman à Gex

2024-03-08



### L'équipe de Mov'ici vient au CERN le 20 juin !

2023-06-09

2016 - 2019	~12% Fleet reduction
2019	Survey and Mobility Action Plan
Q2 2022	Savings proposal & eco-transition thanks to <b>25% fleet reduction</b> , endorsed by ED; expected savings included in the MTP
Q4 2022	Mobility Survey and Action Plan (input to Environmental Report 21-22)
Q3 2023	Fleet reduction implementation proposals; ED gives green light to develop a working model
Q4 2023	ED supports the development of a large car sharing <b>fleet managed centrally</b> (accountability for savings and fulfilment of mobility needs)
	ED approves CEPS 2030 environmental objectives, which include: <b>25% fleet reduction &amp; 50% of EVs in CERN's car fleet</b>
Today	For ED information: Updated Mobility Plan Car fleet reduction implementation (impact awareness)

**E-Twingo purchases for the Car Sharing Service**

**New Contract set up for the E-bike Sharing Service & improvement of sharing stations**

**Set up of the solar chargers for personal E-bikes**

**MOV'ICI integration at CERN & communication campaigns**

**7 E-Partners purchased CSA & Mobility fleet renewal**

## Proposal for the award of a contract for the provision of transport services for the CERN community

### Scope

- **Improvement**
  - Regular shuttle service operated by 100% electric shuttles, significantly reducing CO<sub>2</sub> emissions and contributing to a cleaner and more sustainable environment
  - Optimization of shuttle timetables to ensure better alignment with passenger needs, minimize waiting times, and maximize operational efficiency
  - Buses will be equipped with a passenger counting application to monitor occupancy levels in real-time, optimize route planning, and improve overall service
  - Accessibility for disabled persons
  - Contract Coordinator on site: Improvement of daily management (communication with drivers, last minute requests, feedback)





## Les futures actions

**Projection des futures actions à mener**

A démarrer	5
A poursuivre	17
Nouvelles	18

**A démarrer**

- Revoir la page Web et la formation déchet
- Créer une ressourcerie
- Améliorer le tri des encombrants

Appliquer la méthodologie LEAN

**A poursuivre**

- Poursuivre le développement du catalogue Web
- Assurer la centralisation des données

Impliquer les superviseurs travaux

Collaborer avec nos prestataires de service

Calculer notre bilan CO2

**Nouvelles Actions**

- Interdire les plastiques à usage unique
- Créer un livret indiquant les règles à respecter pour le traitement de chaque déchet
- Mettre en place des sanctions financières
- Modifier notre système de facturation
- Remonter les filières de recyclage

**+ Urgent**  
**- Important**

**+ Urgent**  
**+ Important**

**- Urgent**  
**- Important**

**- Urgent**  
**+ Important**

CEPS | Roadmap Waste 03.09.24

Et Après ? 22

## Standardisation and extension of sorting instructions

Restaurants, cafeterias, vending machines, etc...



## Reorganization of metal bin management

Withdraw of unused and mixed bins  
Identification and signage of permanent bins



## Sorting bins implementation

Public area and office buildings – more than 50 sorting bins deployed



## Opération de nettoyage : plus d'1 tonne de déchets collectés à Prévessin

2024-04-19



Spring Clean-up Week Results

En accord avec le département SY, le groupe SCE-SSC a récemment entrepris un nettoyage de printemps sur les quelques 18 000 m2 des bâtiments 864, 865 et 866 à Prévessin. L'objectif était de libérer de l'espace et de dégager les couloirs et les sous-sols encombrés par du matériel inutilisé.

Les résultats de cette opération sont très satisfaisants : plus d'1 tonne de déchets ont été collectés ! Parmi ceux-ci, différents types de déchets ont été triés et répertoriés : 840 kg d'encombrants, 214 kg d'appareils électroniques, 107 kg de matériel informatique et 19 kg de câbles. Si vos locaux sont aussi encombrés et que vous avez du matériel informatique et du mobilier que vous n'utilisez plus, n'hésitez pas à contacter [cern.dechets@cern.ch](mailto:cern.dechets@cern.ch) qui vous proposera une solution.

Bravo à tous ceux qui ont contribué à la réussite de cette grande opération de nettoyage !

## Ozonated water system replacing the use of chemical products for cleaning

2024-03-22



UPDATE

**OZONATED**

WATER SYSTEM

Respecting water may begin with not polluting it. This is the reason why SCE department turned to ozonated water as a sustainable alternative to traditional cleaning chemicals as of 2022.

Ozone is an inorganic molecule, which kills bacteria, viruses, and parasites and eliminate contaminants. When stabilized, aqueous ozone has the potential to eliminate up to 99.999% of harmful bacteria, surpassing the effectiveness of bleach, and having equivalent or even better effectiveness than many chemical disinfectants on market.

Since 2022, the SSC group, in charge of the cleaning contract, has installed no less than 15 connection points on the CERN site with the support of the team SAM-IN. Buildings 501, 504, 570, 664, 112, 14, 54, 31, 38 and 39 in Meyrin, and 774, 865, 866, 892, 937 in Prévessin, are all equipped with connections to ozonated water machines.

Indeed this ozonated water method brings an environmentally attractive solution that avoids chemical products and, contrary to traditional cleaning agents, does not leave harmful residues that can contaminate water sources. It therefore helps safeguard aquatic ecosystems and protect our natural water resources.

This initiative reaffirm SCE's ecologically conscious and sustainable approach.



## Semaine européenne de réduction des déchets

2023-11-17



## Traitement des déchets de vos plateaux au R1

Savez-vous comment sont traités les déchets de vos plateaux au R1 ? Ils sont revalorisés selon leur nature et répartis en quatre catégories .

2023-03-24



2024-10-18



Composting is a natural, useful and ecological solution to fertilize but also a very interesting solution of waste conversion and transformation.

Restaurant 3 is composting the organic fraction of its waste since last year (article [here](#)), producing a compost of the highest possible quality. With the autumnal plantation period beginning, SCE department has launched a distribution program to enable the CERN Community to benefit from this 10 m3 natural fertilizer that looks and smells like soil.

If you're eager to enrich your garden soil with high-quality compost, simply express your interest by sending an email to [cern.dechets@cern.ch](mailto:cern.dechets@cern.ch). The distribution will operate on a 'first come, first served' basis, the 24 and 31 October 2024 in B133, between 1:00 PM and 5:00 PM.

Please note that anyone interested shall bring their own container or box (max. 100L/person) to collect the compost.



**Un catalogue des articles de seconde-main est désormais disponible en ligne !**

2023-09-15



Simplified donation with ECO 21 platform



Online catalogue for 2<sup>nd</sup> hand material



Electro composter deployed for R3



**Un abri vélo à taux zéro**

2024-08-23



**Un composteur électromécanique pour une meilleure gestion des déchets au R3**

2023-04-28

- Hotel eco-label: <https://confluence.cern.ch/display/ISINT/Sustainability+@hotel+Meyrin>

## Come and spin the sustainable food wheel!

2024-03-08



On Monday 11 and Tuesday 12 March, Novae will propose fun activities at Restaurant 1 and 2, to raise people awareness of the benefits of sustainable food in a recreational and educational manner.

This initiative led by Novae's [Corporate Social Responsibility](#) (CSR) department will include a stand at the entrance of the restaurant 1 and 2, informing people about sustainable food with a particular focus on diversification of protein sources, and will offer a funny game: the sustainable food wheel to discover the 6 principles of a sustainable food around thematic questions.

Sustainable delicacies, such as vegetable peel chips, will be offered to participants, raising awareness of more [responsible eating](#). And a local and zero-waste vegan "dish of the day" will be proposed, with a detailed recipe to encourage people to reproduce it at home. By buying one, you will get one free hot chicory infusion.

So don't miss the event and make a contribution to turning the wheel of knowledge on Sustainable food!

Novae's events at CERN: [KB0009093](#)

## Sustainability @hotel Meyrin

Créée par Gregoire Mathias, dernière modification par Vincent Gilquin le mars 19, 2024

**Objectif:** réduire l'impact environnemental et s'inscrire dans une optique de conservation et de respect de notre environnement

	Quoi	Qui	Tasks
<b>Eco label certification</b>	Markey survey of existing Swiss eco labels	@Faezeh Abbasi	Document                      Présentation                      Feuille ...
	Assessment of current maturity of CERN hotels compared to available labels		Overview criteria
	Project charter to be certified with one of the label		
<b>Single use plastic</b>	Sanitary kit (gobelets en verre/ brosse à dent en bambou)	Topnet	
		CERN / Topnet	<input checked="" type="checkbox"/> Trouver fournisseur : Hotel Megastore <input checked="" type="checkbox"/> Demander un devis <input type="checkbox"/> Vérifier avec Legal pour achat FR et vente en CH hors taxe : mail du  9 mars 2024
	Distributeurs dans les douches communes au lieu des miniatures dans les TLB, SLB, SWB	Topnet Installation CERN TBC (perceage/ amiante)	



## New e-transit van Tricycle e-scooter for Mail delivery



### News/Actualités Second-hand binders at the CERN stores

SCE is a department sensitive to environmental matters and strives to be a force for positive change.

Its Service of Sales and Recuperation has a long-standing commitment to offering used, repaired, and reconditioned products.

In a context where consumers are now pricing in the environmental footprint of their purchases, the return of second-hand material into circulation is a prerequisite for the CERN stores which promote comprehensive approach, mindful consumption, and limitation of environmental impact at all levels of our daily work.

With that in mind, hundreds of binders are now available through a simple material request for the symbolic price of 1,-CHF/piece: [CERN Stores Catalogue \(54.21.40\)](#)

This is not only a great idea to limit waste and avoid very much equipment to be unnecessary junked, but it also contributes to significant savings for CERN community.

That's thinking ahead! Every little bit helps.



## Les magasins du CERN réduisent encore leur déchets plastiques

2023-12-08

## CERN stores embrace sustainability

2024-04-19



CERN Stores are committed to reduce their global environmental impact and do not allow themselves to be discouraged by difficulties. They strongly promote reuse whenever possible. Where paper bags to dispatch orders have proved unsuccessful, a new sustainable option has been applied: reusable plastic bags.

To extend the lifecycle of these zippered plastic bags used for dispatching orders across CERN, the Stores are implementing a "return-to-sender" policy with collection racks at the CERN Store, where they are segregated and put back into circulation.

They strongly encourage you returning these plastic bags either through the internal distribution or directly into the racks located by the emergency counter of the CERN Stores.

# Supply Chain (cont.)

- CERP3 Workshop (28.11.2024)

This page is created to document the sustainability efforts of our main suppliers and producers. All information is welcome to highlight such as reports, newsletter, events around this topic....

Suppliers/Events	Useful link/report/description	Posted on	By
INFO CERN Procurement (Internal use only)	Sustainable Steel guideline (Draft) 2023 09 29 Steel guidance and criteria[25].docx	18/01/2024	Leila
ECOVADIS	<p>Since its founding in 2007, EcoVadis has grown to become the world's largest and most trusted provider of business sustainability ratings, creating a global network of more than 100,000+ rated companies.</p> <p><a href="#">Corporate Sustainability Assessments   EcoVadis</a></p> <p style="text-align: center;"><b>The Value of Supply Chain Sustainability</b></p> <p>Environmental, social, and ethical performance – or Sustainability – is an essential factor for smart businesses today, and the supply chain is the biggest lever for impact.</p>	19/12/2023	Leila
Pfeiffer Vacuum	<p>230316-PV-Sustainability-Report-2022-final.pdf (q4cdn.com)</p> <p>Pfeiffer Vacuum - Pfeiffer Vacuum gains Gold Medal at EcoVadis sustainability rating and improves its Sustainability Sustainability Risk Rating (pfeiffer-vacuum.com)</p>	19/12/2023	Leila
Green Steel World	Transforming Indian steel industry from hard-to-abate into fast-to-abate - GreenSteelWorld.com	17/11/2023	Leila
Green Steel World	<p>Green Steel World is a platform dedicated to advancing the decarbonization of steel production.</p> <p>Green Steel World Conference is a platform for collaboration and discussion on the latest advancements in green steel technology. Our conference will feature presentations and panel discussions from leading experts in the field, covering topics such as energy efficiency, low-carbon production methods, and sustainable materials sourcing.</p> <p><b>Green Steel World Expo &amp; Conference – Essen, 26 – 27 June 2024</b> Bringing together green steel experts from the global market place in one place at one time, this unique event provides an excellent opportunity to meet with both manufacturers and users involved in the decarbonization journey for the steel industry. Conference Information - GreenSteelWorld.com</p> <p><a href="https://greensteelworld.com/">https://greensteelworld.com/</a></p>	29/09/2023	Leila
Imbach Solution Metal	<p>Solar Village Nebikon   IMBACH &amp; CIE AG</p> <p>Imbach Energy Campaign   IMBACH &amp; CIE AG</p>	29/09/2023	Leila
Voestalpine	Sustainability Strategy handlungsfelder-va-crr22.pdf (voestalpine.com)	29/09/2023	Leila
Programme RSE	La RSE dans les achats, pourquoi, comment? - Efficience Achat	05/10/2023	Leila
Alleima	<p>Sustainability Matters: Alleima a sustainable front runner with ambitious goals for the future</p> <p>Sustainability Matters_ Alleima a sustainable front runner with ambitious goals for the future.msg</p> <p>Alleima_Sustainability_Brochure_2023_EN.pdf (mcusercontent.com)</p>	10/10/2023	Leila

## 4. Embrassing sustainability together

Step by step, the Stores are gradually working towards reducing its global environmental impact.

You may have noticed that most of our last deliveries are now wrapped in paper bags, a conscious shift away from plastic packaging.

As an additional eco-conscious gesture, you may have been gifted a reusable tote bag as a token of our appreciation for your contribution to this journey.

Thank you for being a valued part of this effort.

## 3. Giving plastic delivery bags a second chance

As part of our commitment to sustainability, we promote reuse whenever possible.

To extend the lifecycle of the zippered plastic bags used by our logistics team to dispatch orders across CERN, the Stores are implementing plastic bag return boxes. These boxes will be conveniently located downstairs by the emergency counter of the CERN Stores.

We strongly encourage your participation in this initiative by returning your Stores plastic bags !



Buy	SCEM Code	Unit	Unit Price	Stock	Expected Delivery	Direct Delivery	DESCRIPTION	PACKAGE	FIG.
	54.99.70.010.0	BT	10.5	197	25.11.2024	>=64	NATURAL MINERAL WATER FROM THE VALAIS ALPS	bottle of 19 liters	1
	54.99.70.105.0	PC	49.0	12	25.11.2024	>=8	MINI STORAGE RACK	for storage 4 bottles	2
	54.99.70.120.0	PC	0.27	41900	25.11.2024	>=200	CUP PP WITHOUT BISPHENOLA	lot of 50 cups	3
	54.99.70.130.0	PC		Not Stocked	28.11.2024	>=0	Water cooler for EDEN 19L water bottles LONG-TERM RENTAL (>1 month) Please ensure you provide the required information (see family description)	-	-
	54.99.70.130.2	PC		Not Stocked	25.11.2024	>=0	Water cooler for EDEN 19L water bottles. SHORT-TERM RENTAL (<1 month) Please make sure to provide the necessary information (see family description)	-	-



# Challenges ahead

- Service roadmaps release and execution.
- Objective alignment with key service contracts (workshop to come next year).
- CO<sub>2</sub>eq accounting, standards and metrics.
- Toward a net-zero Campus (in collaboration with SCE-SAM & SCE-PPM).



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