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## Message de Diana Fadel

Fondatrice et Présidente de « Fondation Diane »



Chers concitoyens

C'est avec un grand désir de communiquer avec vous directement que j'écris cette page.

Trop c'est trop ! Et j'ai besoin de m'épancher sur le sujet avec vous mes compatriotes.

La guerre des "nitrates" a eu lieu ! Il y a 4 ans !

Les bombes au "phosphore" ont lieu tous les jours depuis un an !

La guerre des "pagars" a eu lieu ! Hier !

La guerre des "talkie-walkie" a eu lieu, aujourd'hui !

Explosions après explosions, nous sommes déchiquetés et juste bons à balancer, comme appâts, aux hordes qui nous entourent. Nos âmes sont triturées, torturées, et le peu d'endurance que nous avons réservée pour des jours de résistance, longs, interminables, se dissout au fil des malheurs qui s'abattent sans arrêt sur notre persévérance à ne pas quitter, au risque que nous devenions nous-mêmes, personnellement, en chair et en os, la manne tant espérée de la sauvagerie technico-humaine.

Des jours difficiles, encore et encore ? Il semble que nous commençons à nous soumettre aux malheurs qui s'acharnent sur notre peuple et que nous arrivons à un point, où, résister et rester attaché à ses racines, pourrait être interprété pour du masochisme.

Quelles guerres pour demain ? Et de quelles nouvelles fictions-réalités allons-nous être témoins, spectateurs au théâtre de la technologie où l'homme s'acharne à jouer fièrement le producteur, le metteur en scène et finalement l'acteur...pour tuer !

Non, nous ne voulons pas d'un Liban théâtre de massacres, défiguré, vendu, morcelé. Nous ne voulons pas d'un Liban pollué, sale, désorganisé, désurbanisé, corrompu, non plus.

Vous me direz que je rêve. Vous me direz que les dés sont jetés. Que nous ne pouvons plus rien faire. Et je vous répondrai que vous avez raison, que des dizaines de héros sont morts pour avoir voulu faire. Quelle alternative nous reste-t-il à part de nous diluer et de disparaître dans la masse des soumis ?

Quel avenir pour le Liban ?

Quel avenir pour le monde entier par ailleurs ?

Des guerres ? Avec des armes tueuses ? Massacreuses ? Sans pitié ? Vendues par des entreprises meurtrières, cannibales ? Utilisées par des états sans foi ni lois, créées par certains hommes dont l'intelligence dépasse la conscience et la sagesse, au point qu'un jour ils y succomberont eux-mêmes et notre planète avec ?

Faut-il accepter que notre humanité constitue les futurs robots de la technologie assassine ?

Oh que non !

Si Einstein avait su que la scission de l'atome mènerait à une bombe atomique qui serait utilisée, il n'aurait peut-être pas dévoilé sa découverte. Mais combien cette découverte bien au contraire nous rend des services par ailleurs.

Nous sommes loin de ce jeu macabre ! Sommes-nous bêtes ? Non ! Imbéciles de la science et de la technologie ? Non plus ! Faut-il renier l'intelligence qui nous a été donnée afin de mieux vivre pour éviter qu'elle se retourne en instrument de la mort ?

Car, heureusement, la technologie nous ouvre par ailleurs de belles portes ! L'internet nous a déjà emportés, emballés

et l'IA n'arrête pas de nous surprendre et nous rencontrons dans nos recherches de projets écologiques comme du plastique qui se transforme directement en carburant pour les machines ! Qui dit mieux ? Arriver à une civilisation sans Internet ? Sans plastique ? Sans machines ? C'est un choix !

Mais le voulons-nous ? Ou bien offrir ce qui de la technologie tire le meilleur parti pour l'Homme afin qu'il devienne plus humain ?

Voilà notre choix et je ne doute pas que pour toute personne de bonne volonté ce ne soit le même !



## Message de Pr Fadi El Hage

Titulaire de la Chaire CEEDD



The Chair of «Fondation Diane» for Education on Eco-Citizenship and Sustainable Development (CEEDD), at Saint Joseph University of Beirut (USJ), remains dedicated to instill green awareness and fostering eco-citizenship across various sectors in Lebanon. Over the years, the Chair has evolved into a central pillar for environmental advocacy, spreading a message of sustainability and eco responsibility. From schools and universities to municipalities, NGOs and public and private entities, the Chair has tirelessly worked to emphasize the importance of sustainability and the pressing need for environmental awareness, especially in a country like Lebanon, yearning for prosperity amid challenging circumstances.

In the midst of economic and political unrest, Lebanon's natural beauty and resources remain its most valuable assets. However, they are often overlooked or mismanaged. This is where the Chair has taken a firm stand, emphasizing that the preservation of the environment is not just a luxury but a necessity for Lebanon's future prosperity. We have always believed that sustainability, for many, may remain a concept confined to books and theoretical discussions, but it must be translated into real-life solutions. The Chair has strived to present sustainability as «the» solution, a tangible and actionable force that can drive social, economic, and environmental betterment for the future, which is not possible but through education at the young age. Despite our efforts, the challenge remains at its highest level, considering the overall local situations that prevent the proper spread of this eco-citizen culture.

Through broad and effective outreach strategies, we have not only educated but also engaged different communities. Whether it's through seminars, workshops, research or on-the-ground projects, the Chair has worked to embed sustainable practices into the fabric of everyday life. Our focus encompassed various areas, including business, social entrepreneurship, governance, and education. By

making sustainability a cornerstone of these sectors, we are reshaping the way Lebanon looks at its future.

Over the past years, the Chair has adopted diverse approaches to ensure the successful transmission of knowledge and practical solutions. From fostering sustainability in business models to local grassroots initiatives, we have empowered individuals and communities to take charge of their own futures. One of our flagship programs, «Sustainable Businesses Leading to Economic Growth,» is a perfect example of how we equip individuals with practical knowledge, skills and tools, demonstrating that sustainability is not just an ideal, but a driver of both economic growth and social progress.

The year 2023-2024 was a particularly fruitful period for the Chair, marked by numerous impactful initiatives that have left a lasting impression on both participants and the wider community. We organized several workshops, including the «La Fresque Du Climat,» which educated participants on climate change through engaging and interactive sessions. This workshop was not only about understanding the science behind climate change but also focusing on the steps that individuals can take to combat it. Another form of awareness was through the organization of webinars, such as «Leveraging Artificial Intelligence for Sustainable Development», highlighting the link between AI and Sustainable Development, with more than 130 participants.

In its effort to create an impact, The CEEDD not only prioritizes environmental issues but also promotes a healthy approach towards a virtuous citizenship, as a whole, through numerous means. It actively raised awareness on gender-based violence, gender equality, women's empowerment, and social inclusion. This commitment derives from our beneficiary demographic, where over 50% are women.

Moreover, along with several workshops and training programs, we took further strides to engage with

the younger generation, recognizing that they are the torchbearers of tomorrow. The «Dictée Verte» competition was a prime example of our work in this regard, serving as an innovative way to highlight the necessity of a coherent eco-system for the perpetuity of our beloved planet. By engaging youth in this eco-focused competition, we instilled a sense of responsibility for the environment in their minds at an early stage. Another highlight from this year was our beach cleanup activity in Amchit, which not only restored cleanliness and sanity to the coastline but also served as a community-building event.

In parallel, our completed projects in Water Sanitation and conservation (WSC) funded by the US Agency for International Development (USAID) have made significant strides in promoting efficient water management practices across Lebanon. We have implemented intensive training programs for 24 local civil society organizations (CSOs), which in turn have raised awareness about water sanitation and management within various communities. These organizations have also conducted research to identify challenges in the water sector and drafted proposals to address them. Our efforts demonstrate that enhanced water sanitation and conservation initiatives can directly benefit communities, ensuring the preservation and protection of Lebanon's natural resources for future generations.

In Addition, CEEDD also took handled Waste Management projects, mainly focusing on the necessity of waste sorting and a proper management strategy, to avoid repeating mistakes of the past. As part of a project implemented by the Community Support Program (CSP) and funded by USAID, CEEDD has launched a training program and workshop for 15 volunteers in Batroun. This initiative aims to raise awareness about the significance of waste sorting and to enhance the volunteers' skills in campaign design. Furthermore, CEEDD has conducted awareness sessions on the importance of source waste sorting, including its techniques and benefits

for both the environment and human health, reaching 376 students across 4 different schools in Batroun.

Another notable initiative has been the USJ Verte projects, which have been instrumental in advancing waste management within USJ campuses. By focusing on the sorting of waste and ensuring that it is properly sent for recycling, we have been able to introduce a culture of sustainability to the heart of the university, in aim to instill a green mindset in today's students, the leaders of tomorrow. Within this project, we were able, this year, to provide 9 training sessions for USJ services and for the janitors in charge, in parallel with running two field inspections at each of the 6 campuses of Beirut. A total of 239 sorting bins was also acquired, along with a weighing scale to measure the precise quantity of waste collected from USJ campuses.

As the Chair continues to grow, we remain steadfast in our commitment to Lebanon's sustainable future. We are unique in our approach, combining education and activism in a way that shapes a holistic vision for a better Lebanon. Through these initiatives, we aim promote a long-term beneficial behavioral change towards the environment, which aligns with our mission, education on eco-citizenship and sustainable development, in which we devote our whole efforts to ensure a responsible future generation, cautious of the risks posed on the environment today, and the solutions to dodge any harm coming its way. This education per se remains one of our main pillars, as it is one of the society's main pillars too.

As we reflect on our journey over the years, we express our deepest gratitude to our partners, supporters, and participants. We also reaffirm our dedication to building a sustainable Lebanon, one that is inclusive, innovative, and rooted in the principles of environmental stewardship.

## Gouvernance

### Comité de pilotage

Chaque trimestre, le Comité de pilotage de la Chaire CEEDD se réunit pour évaluer les projets, fixer les nouveaux objectifs, réajuster la stratégie et discuter de la suite. Ces réunions sont essentielles pour assurer une direction claire et une progression constante dans nos initiatives.

Cette année, la première réunion s'est tenue en février, où nous avons passé en revue les réalisations de l'année précédente et identifié des domaines d'amélioration. La seconde réunion a eu lieu en juin, permettant de faire le point sur les progrès réalisés au cours du premier semestre et d'ajuster nos stratégies en conséquence.

Le comité se compose des membres suivants :

Mme Diana Fadel, Mme Lily Saad, Mme Dina Sidani, Mme Hilda Khoury, Mme Rana Issa, Mme Sarah Haykal, Mme Imane Abbas, Mme Zeina Hobeika, Mme Liliane Barakat, Mme Assia Mohtar, Mlle Judy Zeineddine, Dr. Fadi El Hage, Mr Sevag Fernezian.



**Mme Diana Fadel**  
Fondatrice et Présidente de  
«Fondation Diane»



**M. Fadi El Hage**  
Titulaire de la Chaire de  
«Fondation Diane» CEEDD  
*Spécialiste en sciences de  
l'éducation, Faculté des  
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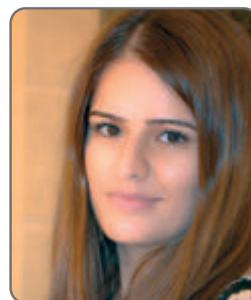
**Mme Lily Saad**  
Directrice des opérations  
de «Fondation Diane»



**Mme Judy Zeineddine**  
Coordinatrice de la Chaire de  
«Fondation Diane» CEEDD



**Mme Zeina Hobeika**  
Chef de département de  
Biochimie et des sciences de la  
vie et de la terre (SVT) à l'USJ



**Mme Imane Abbas**  
Docteure en Toxicologie  
Chef du Laboratoire de  
toxicologie  
environnementale à la  
Commission libanaise de  
l'énergie atomique



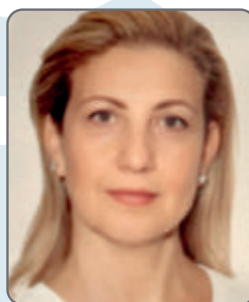
**Mme Assia Mohtar**  
Maître de conférences à  
la Faculté de Pédagogie à  
l'Université Libanaise



**Mme Sarah Hariri Haykal**  
Professeure associée  
à la Faculté des sciences  
économiques – USJ



**Mme Dina Sidani**  
Directrice du campus du Liban  
Sud de l'USJ



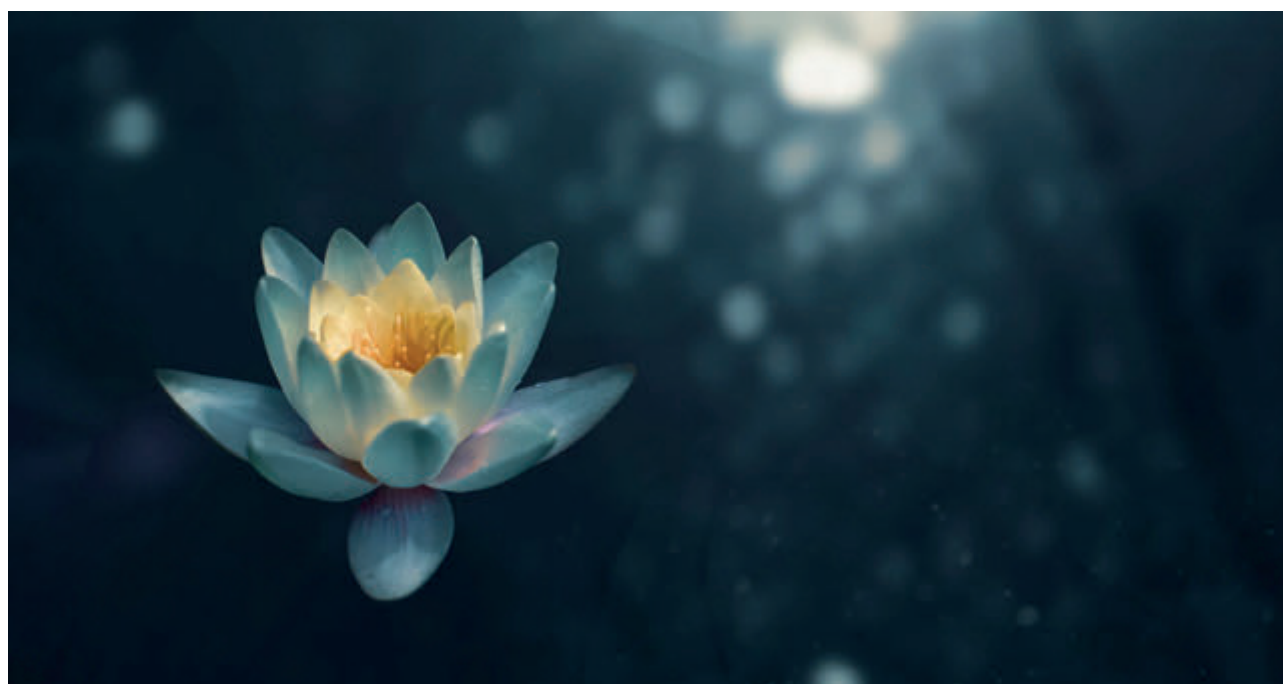
**Mme Rana Barakat Issa**  
Professeure associée à la  
Faculté d'information - Université  
libanaise



**Mme Liliane Barakat**  
Responsable pédagogique du  
D.U «Tourisme religieux»,  
Faculté des lettres et des  
sciences humaines - USJ



**Mme Hilda Khoury**  
Directrice générale de  
l'éducation au ministère  
de l'Éducation –  
UNESCO



## Gouvernance

### Comité USJ Verte

Le comité de l'USJ Verte est un comité de réflexion non décisionnel du projet « USJ Verte, écocitoyenne et écodurable » ou « USJ Verte », qui a été constitué à la suite de la décision du Conseil d'Université No 187, en date du 24 octobre 2016. Ce comité est piloté par la Chaire de « Fondation Diane » à l'Université Saint-Joseph de Beyrouth. Il a pour rôle de proposer des projets visant à transformer l'Université en une université verte, écocitoyenne et écodurable, tout en garantissant la durabilité des actions.

Le but de ce comité est d'inciter les étudiants à adopter cette même façon d'être et d'agir sur leur Campus, afin de refléter cette mentalité dans le monde extérieur.



Figure 1. Une infographie sur la collecte des déchets dans les campus de l'USJ

Ce comité regroupe les membres suivants :

**Mme Diana Fadel** – Fondatrice et présidente de « Fondation Diane »

**M. Fadi el-Hage** – Titulaire de la Chaire de « Fondation Diane » CEEDD - Spécialiste en sciences de l'éducation, Faculté des sciences de l'éducation

**Mme Nadine Haddad** – Secrétaire générale

**Mme Mona Tabet** – Directrice du Service d'achat

**Mme Gloria Abdo** – Directrice du Service de la vie étudiante – SVE

**Mme Mireille Chamoun** – Administratrice du Campus des sciences humaines – CSH

**M. Joseph Younès** – Administrateur du Campus des sciences médicales – CSM

**M. Antoine Nahhas** – Administrateur du Campus des sciences et technologie – CST

**M. Jacques Baroud** – Administrateur du Campus des sciences sociales – CSS

**M. Wassim Selwan** – Administrateur du Campus de l'innovation et du sport – CIS

**M. Joe Hatem** – Coordinateur O7

**Mme Lily Saad** – Directrice des opérations de « Fondation Diane »

**Mlle Judy Zeineddine** – Coordinatrice de la Chaire CEEDD

**Mlle Luna Al Achkar** – Rédactrice des projets de la Chaire CEEDD

**M. Charbel Farah** – Coordinateur des projets de la Chaire CEEDD

**M. Makram Salman** – Responsable de la communication au sein de la Chaire CEEDD





# Formations

## LA FRESQUE DU CLIMAT

### UN ATELIER LUDIQUÉ ÉDUCATIF ET COLLABORATIF POUR SENSIBILISER LES ÉTUDIANTS AU CHANGEMENT CLIMATIQUE ET LES INSPIRER POUR AGIR



Figure 2. Participants en Action



Figure 3. Participants en Action

La Chaire de « Fondation Diane » CEEDD, en collaboration avec l'Ambassade de France et l'association « Fresque du Climat », a organisé cet atelier, le 16 Janvier 2024, un événement unique de deux jours visant à approfondir la compréhension du changement climatique et à préparer les participants à devenir des animateurs face aux défis environnementaux.

Cet atelier interactif a permis aux participants d'explorer les enjeux du changement climatique, à travers un jeu de cartes climatiques, tout en développant des compétences pour sensibiliser leurs communautés. En formant de futurs animateurs, l'initiative garantit une diffusion plus large des connaissances sur la crise climatique, renforçant l'engagement citoyen pour un avenir durable.





## Projets



### WATER SANITATION INTERNSHIP PROGRAM UNDER THE USAID FUNDED WSC PROJECT

#### ROUND TABLE

On February 21, 2024, the Career and Placement Office at USJ held a dynamic event at the Social Sciences Campus as part of the Water Sanitation Internship Program under the USAID-funded WSC project. The event aimed to guide students on career paths and encourage youth participation in the water sector. The Chair of «Fondation Diane» and representatives from organizations like WSC, WE4F by Berytech, 3M Plast, Bioland, the Association of Lebanese Industrialists, CubeX, Arcenciel, and NJoy attended. About 35 students from various majors joined, gaining the chance to interact with industry leaders and potential employers, learn about careers and internships, and explore current projects in the water sector.



Figure 4. Pr. Fadi EL HAGE alongside with Ms. Judy Zeineddine (Chair Coordinator)



Figure 5. Interactive Discourse

## IMPROVING CSO CAPACITY TO ENGAGE IN WATER SANITATION AND CONSERVATION

### 1- RESEARCH PACK AND PROJECT WRITING



Figure 6. Participants gathered

Under the Water & Sanitation (WSC) project, participating Civil Society Organizations (CSOs) underwent technical and institutional training before engaging in a coaching program. Following the training program, CSO staff applied their acquired knowledge through Participatory Action Research (PAR) and proposal writing, guided by dedicated coaches. The initiative aimed to enhance CSO capacity, involved identifying community needs, proposing relevant projects, and cultivating sustainable solutions through

participatory action research. The goal is to empower CSOs as informed advocates for evidence-based policies, contributing to sustainable water management and community awareness. The coaching initiative, spanning 6 months, marked a significant step towards improved water management. Each CSO, under mentorship, conducted comprehensive research and delivered well-researched reports showcasing their skills. The initiative not only highlighted joint efforts in supporting water rights and sanitation but also provided a roadmap for future endeavors, emphasizing the positive impact of coaching on water management in Lebanon. Six expert coaches, selected for their expertise in research, proposal writing, and water sanitation, played key roles in guiding and mentoring the 21 CSOs.

The coaches are as follows:

- Dr. Wadiaa Khoury
- Eng. Jules Hatem
- Dr. Wadih Skaff
- Mrs. Sophie Mansour
- Dr. Celine Chemali
- Mrs. Judy Zeineddine

### 2- PRACTICE SHARING FORUMS

Practice sharing forums were organized for CSOs that conducted participatory action research and wrote project proposals. These forums aim to enable the participating CSOs to share insights, methodologies, and experiences gained during their research and proposal writing processes, fostering a collaborative environment where they can learn from each other's successes and challenges. Additionally, the forums aim to build and strengthen networks among CSOs, encouraging partnerships and alliances for future initiatives, while enhancing the skills and capacities of CSO members by exposing them to diverse perspectives and expertise. Three practice sharing forums were organized and scheduled as shown in the table below:

Practice Sharing Forums	North Lebanon	Beirut 1	Beirut 2
Date	June 25 <sup>th</sup> 2024	July 11 <sup>th</sup> , 2024	July 15 <sup>th</sup> , 2024
Location	USJ North Campus	USJ Beirut, Campus of Innovation and Sports (CIS),	USJ Beirut, Campus of Humanities (CSH)
Participating CSOs	Akkarouna, AICA, AND, Mada Association	Al Makassed, DPNA, Michel Daher Foundation, LRI, SPNL, Global Steps, Fondation Diane	ACS, YMCA, YND, FSF, The Lee Experience, Nusroto Al Anashid Association, Equal, Green Lebanon, USPeak, CCIAZ

**Practice sharing forum in USJ North campus**



Figure 7. Ms. Judy Zeineddine's intervention



Figure 8. Participants from 4 CSOs

**Practice sharing forum in USJ Beirut, Campus of Humanities (CSH)**



Figure 9. Participants from 10 CSOs

**Practice sharing forum in USJ Beirut, Campus of Innovation and Sports (CIS)**



Figure 10. Participants from 7 CSOs

## **SORTING AT SOURCE AWARENESS CAMPAIGN IN BATROUN TOWN: INTRODUCTORY MEETING WITH THE MAYOR OF BATROUN MUNICIPALITY**

As part of the USAID-funded Community Support Program (CSP) and in collaboration with the Chair of 'Fondation Diane' CEEDD at Saint-Joseph University, a project was launched to reshape the community's perspective on waste in 12 municipalities in the Batroun district, fostering behavioral shifts towards actively engaging in the sorting of solid waste at its source. The project will be implemented in two clusters: the first in Batroun town and the second in the remaining 11 villages in the Batroun district. Technical support will involve executing awareness campaigns within the villages, each tailored to specific village needs. Regarding the Batroun cluster, due to its large scale, awareness campaigns will be executed in 6 sectors, including Restaurants, Hotels, Resorts, Residences, Industrial Establishments, and Schools & Universities. Additionally, the project focuses on training selected volunteers in effective waste sorting techniques and equipping them with the skills to design impactful awareness campaigns. To support the project's goal, material support will be provided by distributing bins throughout the streets of the 12 villages to collect recyclable waste.

### **1- Introductory Meeting**

To kick off the project in Batroun town, an Introductory Meeting was arranged at the Batroun Municipality Town Hall on Thursday, March 7th, 2024, at 9:30 am, bringing together representatives from CEEDD/USJ, CSP, Batroun Municipality, and the mayor of Batroun, Mr. Marcelino Al Harek. The primary objective was to launch the preparatory phase by presenting the project's objectives, scope, strategy, and outlining CSP's support.



Figure 11. CEEDD meets Batroun municipal body

### **2- Inception Meeting**

The Introductory Meeting was followed by an Inception Meeting held at the Batroun Municipality Town Hall on Thursday, March 27th, 2024. This gathering brought together representatives from CEEDD/USJ, CSP, Batroun Municipality, the mayor of Batroun, Mr. Marcelino Al Harek, and representatives from Batroun's Educational, Commercial & Tourism, and Residential Sectors. The objective of the meeting was to introduce the representatives from these sectors and to outline their roles and responsibilities for the project's success.



Figure 13. CEEDD meets Batroun municipal body and the representatives from Batroun's Educational, Commercial & Tourism, and Residential sectors.



Figure 12. CEEDD meets Batroun Municipal Body



Figure 14. CEEDD meets Batroun municipal body

### 3- Listening Forum

A Listening Forum was organized at Batroun Municipality (Office of the Cultural Committee in Batroun Municipality) on Thursday, April 25th, 2024, from 11:00 am to 1:00 PM, with the aim of understanding the needs and perspectives of various sectors regarding waste sorting practices in Batroun Town. The meeting gathered representatives from CEEDD/USJ, CSP, Batroun Municipality, and sectors (touristic & commercial, educational, and residential) with the following objectives:

- Facilitate a platform for sector representatives to exchange perspectives, concerns, and ideas pertaining to waste management in Batroun Town.
- Identify key challenges and obstacles within the current waste management system.
- Engage in brainstorming sessions to explore potential solutions and strategies, while considering the needs and circumstances of Batroun Town.
- Foster consensus among sectors for action and potential improvement strategies, tailored to enable effective awareness campaigns.



Figure 15. An Active Participation

- Promote collaboration and partnerships among sectors to implement sustainable waste management practices.

A Needs Assessment Questionnaire was distributed among sector representatives to guide discussions and gather insights into challenges and potential enhancements.

### 4- Training Program

The CEEDD/USJ team developed and delivered a training program for 15 selected volunteers from Batroun town to enhance their knowledge of effective waste sorting techniques and equip them with skills to design impactful awareness campaigns.

The training sessions were held as follows:

- May 17th, 2024: The first session took place at the Henry Lussian Museum in Kobba.
- May 18th, 2024: The second session was held at Batroun Municipality.
- May 24th, 2024: An online recap session was conducted for volunteers who were unable to attend in person.

Ranim Abdel Kader from CSP attended the on-site sessions, while Judy Zeineddine, Charbel Farah, Juliana Youssef, and Tony Nassif from CEEDD were present, with Judy Zeineddine, the Project Manager, delivering the training materials.

Following the training sessions, the volunteers participated in a workshop on May 25th, 2024, to design three awareness campaigns targeting the educational, commercial and tourism, and residential sectors.

#### Summary of the trainings and workshop that took place

Training/Workshop	Dates	Location	Number of Attendees
Training 1 – On-site	May 17 <sup>th</sup> , 2024	Henry Loussian Museum - Kobba	12
Training 2 – On-site	May 18 <sup>th</sup> , 2024	Batroun municipality	13
Training 1 & 2 – Online	May 24 <sup>th</sup> , 2024	Online	4
Workshop	May 25 <sup>th</sup> , 2024	Batroun municipality	15

Day 1



Day 2



Day 3



### 6- Feedback Meeting: validation of the awareness campaigns

After the awareness campaign plans were developed, with each plan customized for the Educational, Commercial & Tourism, and Residential sectors, the representatives from each sector, evaluated the plans and provided feedback on the suggested awareness activities proposed by the volunteers. The plans were revised to incorporate the representatives' comments and recommendations for further improvement.



Figure 26. Meeting with the representatives

### 7- Implementation of the Educational Awareness campaign

After the final approval of the plans, the CEEDD team proceeded with implementing only the Educational Awareness Plan. This plan involved organizing and executing a series of interactive activities specifically designed for students across four schools in Batroun, encompassing both private and public institutions. The focus was on engaging the students through these activities to raise awareness and foster a deeper understanding of the concept of sorting waste at source.

Date	Activities Implemented	Attendance/ Reach count
17/5/2024	Awareness session at Saint Coeur school	152 students
20/5/2024	Awareness session at Estephan Aatieh school	40 students
20/5/2024	Awareness session at Sainte Famille school	154 students
22/5/2024	Awareness session at Batroun official school	67 students
19/7/2024	Drawing competition event	13 students
<b>TOTAL</b>		<b>426 students</b>

Table: List of activities carried out for the Educational sector

A total of 426 students were reached during the awareness activities for the educational sector.



Figure 27. Awareness session at Batroun Official High School



Figure 28. Awareness session at Estephan Attieh School



Figure 29. Awareness session at Saint Famille School



Figure 30. Awareness session at Saint Coeur School



Figure 31: Winners of the Drawing Competition



Figure 32. Students' drawings during the drawing competition event

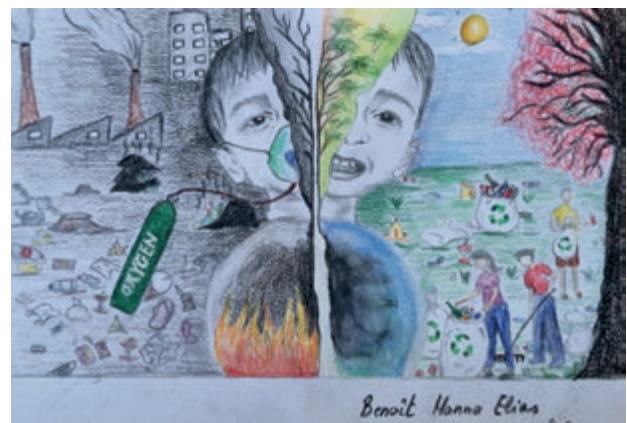


Figure 33. Drawings that Won



Figure 33. Drawings that Won

# Sensibilisation

## DICTÉE VERTE

### L'INTERDÉPENDANCE ET L'HARMONIE VERTE!

Chaque année, la Chaire CEEDD organise un concours de dictée sur un thème lié au développement durable. Pour célébrer la Journée Mondiale de la Terre cette année, la chaire a organisé un concours de «dictée verte» en Arabe, le Lundi 22 avril 2024, mettant l'accent sur la biodiversité, l'interdependance et l'harmonie verte. L'événement a eu lieu à l'Université Saint-Joseph au campus des Sciences Humaines, et a réuni plus de 600 élèves venus de diverses régions du Liban. Nous félicitons chaleureusement ces jeunes pour leur enthousiasme et leur excellente maîtrise de la langue arabe. Cette dernière véhicule des valeurs que nous partageons, et notre mission est de promouvoir l'éducation à l'Environnement, au Développement Durable, et à l'Éco-citoyenneté.



Figure 34. Pr. Fadi EL HAGE prononçant son discours



Figure 35. Étudiants participant à la compétition



Figure 36. Une participation massive



Figure 37. Participation en groupe

## LA REMISE DES PRIX AUX GAGNANTS DE LA DICTÉE VERTE



Suite à la Dictée Verte qui s’est déroulée le 22 avril 2024 (journée mondiale de la Terre), à laquelle des élèves de diverses écoles du Liban se sont rassemblés pour participer à cet événement, des prix ont été décernés aux trois premières gagnantes.

Les trois premières gagnantes étaient :

- |          |                                                                               |
|----------|-------------------------------------------------------------------------------|
| <b>1</b> | <b>1<sup>er</sup> prix :</b><br><b>Joy Farah</b><br>SSCC Kfarhabab            |
| <b>2</b> | <b>2<sup>e</sup> prix :</b><br><b>Jennifer Daou</b><br>Besançon Baskinta      |
| <b>3</b> | <b>3<sup>e</sup> prix :</b><br><b>Fatima Ali Yassine</b><br>Al Mehdi – Hadath |

Félicitations à tous les participants !



Figure 38. Les trois premières gagnantes



Figure 39. Pr Fadi annonçant les prix



Figure 40. De gauche à droite : Pr. Fadi El Hage, Mme Diana Fadel, Jennifer Daou (2<sup>e</sup> place), Joy Farah (1<sup>re</sup> place), Fatima Ali Yassine (3<sup>e</sup> place)

## BEACH CLEANUP

### AMCHIT

The Chair of «Fondation Diane» in Education for eco-Citizenship & Sustainable Development (CEEDD), in collaboration with Fondation Diane and Opération 7e Jour, organized a coastal clean-up at Amchit. With 30+ dedicated volunteers, we collected almost 100 bags of sorted waste.

This impactful initiative not only contributed to the preservation of our beautiful coastline but also raised awareness among local communities about the importance of waste management and environmental responsibility. Participants were briefed on proper sorting techniques, learning how to distinguish recyclable materials from general waste, ensuring that much of what was collected could be processed and reused. The event fostered a spirit of eco-citizenship and demonstrated how collective efforts can make a significant difference. Together, we are building a cleaner, greener future, one action at a time.



Figure 41. Sorting Bags



Figure 42. Blending Duty and Fun



Figure 43. Cleaning in Action



Figure 44. More than 30 Volunteers for a Cleaner Shore!

## LEVERAGING ARTIFICIAL INTELLIGENCE FOR SUSTAINABLE DEVELOPMENT

### AI WEBINAR

On the 13<sup>th</sup> of June 2024, the Chair of «Fondation Diane» for Education on Eco-citizenship and Sustainable Development launched its webinar «Leveraging Artificial Intelligence for Sustainable Development», delivered by Christophe Zoghbi, founder of ZAKA.

The Webinar caught the interest of around 450 registered individuals and gathered around a hundred and fifty participants! In light of the widespread adoption of AI today, the provided information enabled a deeper dive into the new world of Ai, through an interactive approach, followed by a Q/A session.



## Leveraging Artificial Intelligence For Sustainable Development

**Circular vs Linear Economy**

**CIRCULAR ECONOMY**

**LINEAR ECONOMY**

Artificial intelligence is about providing machines with a kind of **intelligence** that is mainly attributed to **humans**.

**LEVERAGING ARTIFICIAL INTELLIGENCE FOR SUSTAINABLE DEVELOPMENT**

Date: Thursday, June 13 at 6 PM

Registration Link in Bio

Figure 15. The Generation of Today Meets the One of Tomorrow

23

## ARTICLE : TRANSITIONING WASTE MANAGEMENT IN LEBANON: FROM A LINEAR TO A CIRCULAR ECONOMY by Judy ZEINEDDINE



Lebanon's waste management system faces significant challenges due to political instability, limited infrastructure, and a lack of public awareness. Transitioning from a linear economy, where waste is merely disposed of, to a circular economy, which emphasizes recycling, reuse, and waste reduction, presents an opportunity for sustainable development.

### INTRODUCTION

Lebanon has been struggling with waste management issues for decades, resulting in environmental degradation, public health concerns, and economic losses. The traditional linear economy model, characterized by a "take, make, dispose" approach, has led to inefficient resource use and an overreliance on landfills and open dumping. As Lebanon's population and consumption patterns grow, the need for a sustainable waste management system becomes more urgent. Transitioning from a linear economy to a circular economy is vital, as it focuses on reusing, recycling, and retaining resources within the system, thereby minimizing waste and enhancing sustainability.

### THE CURRENT STATE OF WASTE MANAGEMENT IN LEBANON

Lebanon's waste management system is primarily based on a linear economy model, leading to several issues:

- **Overburdened Landfills:** Lebanon relies heavily on landfills, many of which have reached or exceeded their capacity, causing environmental and public health hazards.
- **Illegal Dumping:** Due to the lack of efficient waste management infrastructure, illegal dumping is widespread, contaminating water sources and landscapes.
- **Limited Recycling:** Recycling rates in Lebanon are low, with minimal separation of waste at the source and inadequate recycling facilities.

- **Economic Loss:** The linear approach leads to the loss of valuable materials that could be recovered and reintegrated into the economy.

### PRINCIPLES OF THE CIRCULAR ECONOMY

The circular economy offers a sustainable alternative by redesigning waste management processes to focus on resource efficiency and waste minimization. Key principles include:

*Designing for Longevity:* Products and materials are designed for durability, reparability, and recyclability.

*Resource Recovery:* Waste is seen as a resource, with systems in place to recover and repurpose materials.

*Circular Supply Chains:* Supply chains are restructured to minimize waste and promote the use of recycled and renewable materials.

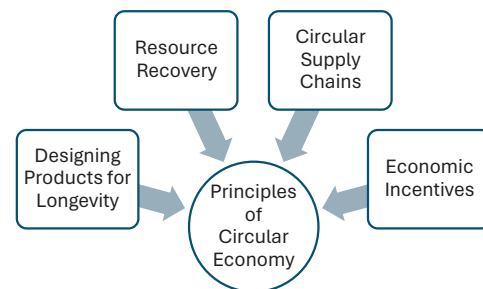


Figure 1: Key Principles of the Circular Economy

*Economic Incentives:* Economic policies are designed to promote circular practices, such as taxing virgin material use and providing subsidies for recycling initiatives.

**TRANSITIONING TO A CIRCULAR ECONOMY IN LEBANON**

**A- Public Awareness and Education**

Public participation is vital for the success of a circular economy. Educational campaigns can raise awareness about the importance of waste separation, recycling, and sustainable consumption. Community engagement initiatives, such as waste reduction workshops and local recycling programs, can foster a culture of sustainability.

**B- Policy Reforms**

To facilitate the transition, Lebanon needs comprehensive policy reforms, including:



Figure 2: Aspects of the Policy Reforms




*Extended Producer Responsibility (EPR):* Manufacturers should be held accountable for the end-of-life management of their products, encouraging them to design for sustainability.

*Incentives for Circular Practices:* The government can offer tax breaks, subsidies, or grants to businesses that adopt circular economy practices.

*Waste Management Legislation:* Enforcing regulations on waste sorting, recycling, and the reduction of single-use plastics is crucial.

**C- Technological Innovation**

Adopting advanced technologies is essential for the circular economy. Lebanon can benefit from:

 Waste-to-Energy Technologies	Converting non-recyclable waste into energy reduces the burden on landfills and provides an alternative energy source.
 Recycling & Upcycling Innovations	Investment in modern recycling facilities and upcycling businesses can help recover valuable materials from waste.
 Digital Platforms	Digital tools can enhance waste management efficiency by optimizing collection routes, tracking waste streams, and facilitating material exchanges.

**CASE STUDIES: SUCCESSFUL CIRCULAR ECONOMY MODELS**

Examining successful circular economy models from other countries can provide valuable insights for Lebanon. For instance:

*Sweden:* Sweden’s waste management system recovers 99% of household waste through recycling and waste-to-energy technologies.

*Netherlands:* The Netherlands has embraced a circular economy with policies that promote resource efficiency and innovation, leading to high recycling rates and reduced landfill use.

**CHALLENGES AND OPPORTUNITIES**

**Challenges**

*Infrastructure Limitations:* Lebanon’s waste management infrastructure requires significant upgrades to support a circular economy.

*Political Instability:* Ongoing political and economic instability in Lebanon poses challenges to implementing large-scale reforms.

*Behavioral Change:* Shifting public attitudes and behaviors towards waste is a complex process.

**Opportunities**

*Economic Growth:* The circular economy can create new job opportunities in recycling, manufacturing, and sustainable product design.

*Environmental Benefits:* Reducing waste and promoting resource efficiency can alleviate environmental pressures, improving public health and preserving natural ecosystems.

*Global Integration:* Aligning with global circular economy practices can enhance Lebanon’s international trade relationships and access to funding for sustainable initiatives.

**CONCLUSION**

Transitioning from a linear to a circular economy is a critical step for Lebanon to address its waste management crisis. By implementing policy reforms, fostering public awareness, and embracing technological innovations, Lebanon can create a sustainable waste management system that not only mitigates environmental impacts but also stimulates economic growth and social well-being. The journey toward a circular economy will require concerted efforts from the government, businesses, and citizens.



## Recherche

### DOCTORAL SCHOLARSHIP FOR THE DEVELOPMENT OF A CURRICULUM FOR EDUCATION ON ENVIRONMENT AND SUSTAINABLE DEVELOPMENT

Hrair Danageuzian, our PhD student at FLSH Department of Geography, participated in the Doctoral Studies National Days organized by USEK Doctoral College.

The 3-day event which took place on April 24, 25, and 26 allowed doctoral students from all universities in Lebanon to present their research work. Participants were grouped based on discipline, and were given the choice of preparing a poster or an oral presentation, which was then evaluated by jury members.

Hrair's thesis titled "Education for Sustainable Development (ESD): A Problem-centered Curriculum for Grade 10" is supervised by Professor Liliane Buccianti Barakat and

Professor Fadi El Hage. He is pursuing his PhD through a full scholarship from Chair of "Fondation Diane" CEEDD – USJ.

Hrair participated in the Doctoral Days through an Oral Presentation in which he displayed his results from the needs assessment stage of his research methodology. Namely, his presentation provided insights on designing a problem-centered for Grade 10 tailored for the Lebanese socio-cultural context through a semi-structured interview study. Based on the jury's deliberations, Hrair Danageuzian won the 1st prize for Best Oral Presentation in the Education category of the Doctoral Studies National Days.



Figure 45. Dr. Hrair's Intervention



Figure 46. Dr. Hrair's Certificate





## USJ VERTE

### BILAN DE COLLECTE DES DÉCHETS (AOÛT 2023 - SEPTEMBRE 2024)

Entre août 2023 et septembre 2024, un total de 29,779 kg de déchets recyclables a été collecté sur les campus de l'USJ. Le graphique ci-dessous illustre les données, mettant en évidence les tendances mensuelles ainsi que les performances globales de la gestion des déchets tout au long de l'année.

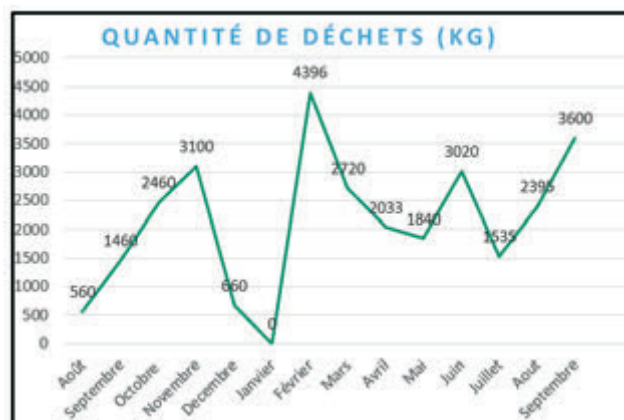


Figure 47. La variation de la quantité de déchets collectés entre août 2023 et septembre 2024.

### INSPECTION AU CAMPUS DE L'USJ

La Chaire de «Fondation Diane»-CEEDD a mené deux inspections sur cinq des campus de l'USJ à Beyrouth, ainsi que dans le bâtiment du rectorat. L'objectif était d'évaluer l'état des bennes, en tenant compte de leur emplacement, de leur visibilité et de leur condition générale.

Pour assurer une évaluation rigoureuse, une grille d'analyse a été mise en place afin de noter chaque campus selon des critères spécifiques liés à la gestion des bennes.

Suite à ces inspections, une évaluation des besoins a été rédigée, mettant en lumière les points suivants :

- 1- Le nombre de bennes manquantes sur les campus.
- 2- Les bennes à remplacer en raison de leur mauvais état.
- 3- La quantité d'autocollants nécessaire pour un étiquetage adéquat des bennes.

À la suite de la première inspection, le Comité de l'USJ Verte a pris la décision de retirer les bennes vertes dédiées aux déchets organiques, simplifiant le processus de collecte des déchets.

## ACTIONS POST-INSPECTION

### 1- Commande de nouvelles Bennes

À la suite de l'évaluation des besoins réalisée après les inspections des campus, la Chaire de « Fondation Diane » - CEEDD a obtenu une offre pour acheter de nouvelles bennes personnalisées afin de remplacer celles qui manquent ou qui sont endommagées. En conséquence, 239 nouvelles bennes ont été commandées pour garantir une gestion adéquate des déchets et une durabilité sur les campus de l'USJ.



Figure 48. Nouvelles bennes

### 2- Conception de nouveaux stickers muraux

Après l'achat des nouvelles bennes, des stickers muraux particuliers ont été conçus, imprimés et laminés. Ces stickers ont été créés pour être affichés au-dessus des bennes, indiquant clairement le type de déchets pour lesquels chaque benne est destinée, afin d'améliorer le tri approprié des déchets sur le campus.

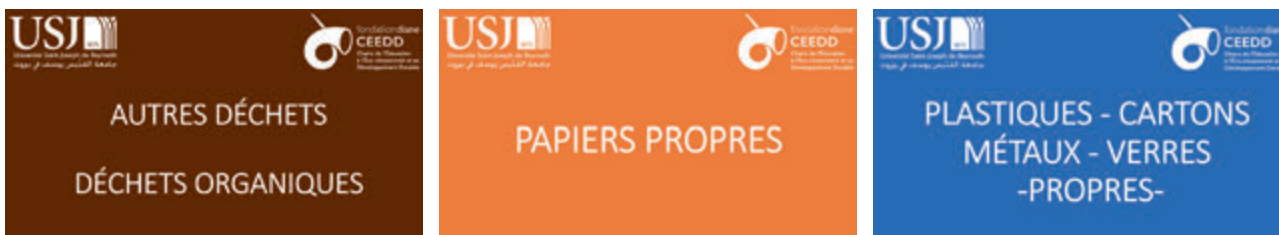


Figure 49. Nouveaux stickers muraux

### 3- Nouvelle balance

Afin d'améliorer la précision du suivi de la collecte des déchets, la Chaire a également acquis une balance de pesée. Celle-ci sera utilisée sur chaque site pour mesurer avec exactitude le poids des déchets collectés, garantissant ainsi une collecte de données plus fiable à l'avenir.



Figure 49. Nouvelle balance pour peser les déchets triés

## SESSIONS DE FORMATION AU TRI DES DÉCHETS PAR L'ÉQUIPE DU CEEDD

### 1- Formation pour les Services de l'USJ

L'équipe du CEEDD a organisé une série de courtes sessions de formation sur le tri des déchets à la source dans divers services. Les dates de ces formations ont été coordonnées avec les chefs de services afin d'assurer une planification efficace.

Au cours de ces sessions, l'équipe a visité les différents services pour fournir une formation concise et informative visant à promouvoir de bonnes pratiques en matière de tri des déchets. Pour rendre ces sessions plus interactives et engageantes, un petit jeu a été intégré à la fin de chaque formation. Cette activité a permis d'évaluer les informations transmises aux participants tout en renforçant les principes fondamentaux du tri des déchets.



Figure 50. Session de formation au Service de l'Insertion Professionnelle

Service	Date
Service de l'Insertion Professionnelle / Centre d'Entrepreneuriat et Compétences	29 Janvier, 2024
Service de la Vie Etudiante	6 Février, 2024
Service du Sport	8 Février, 2024
Service Financier	15 Février, 2024
Service des Ressources Humaines	23 Février, 2024

Service	Date
Service de Technologie de l'Information	8 Janvier, 2024
Service des Achats et des Approvisionnements	15 Février, 2024
Service Comptable	16 Février, 2024
Service de Maintenance et de Conservation du Patrimoine Immobilier	23 Février, 2024

Tableau : Dates des sessions de formation pour les services

## 2- Formation pour les agents de nettoyage sur les campus de l'USJ à Beyrouth

L'équipe de la Chaire a organisé des sessions de formation brèves sur le tri des déchets à la source pour les agents de nettoyage sur tous les campus. Les dates de ces formations ont été coordonnées entre l'équipe du CEEDD et les administrateurs des campus afin d'assurer une planification harmonieuse.

Lors de ces sessions sur place, l'équipe de la Chaire a partagé des conseils pratiques concernant les bonnes pratiques de tri des déchets. À la fin de chaque session, un jeu interactif a été proposé pour évaluer les informations transmises aux participants, rendant ainsi l'apprentissage des concepts clés à la fois ludique et engageant.



Figure 51. Formation pour les agents de nettoyage au CIS



Figure 52. Formation pour les agents de nettoyage au CSM



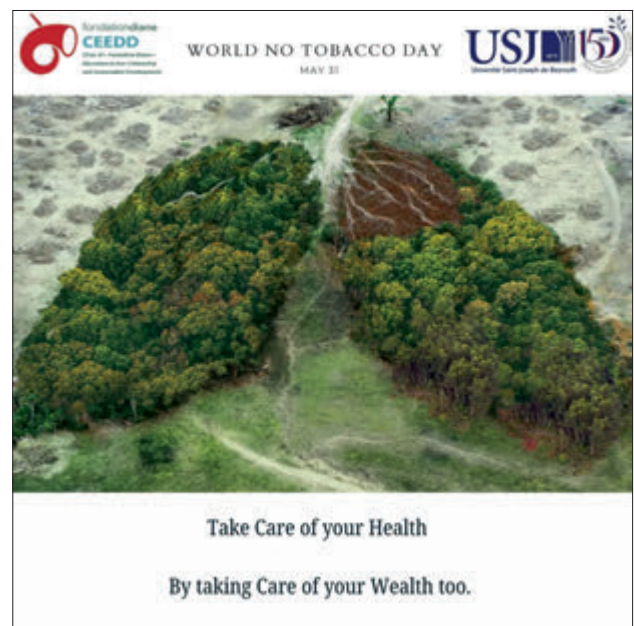
Figure 53. Formation pour les agents de nettoyage au CSS

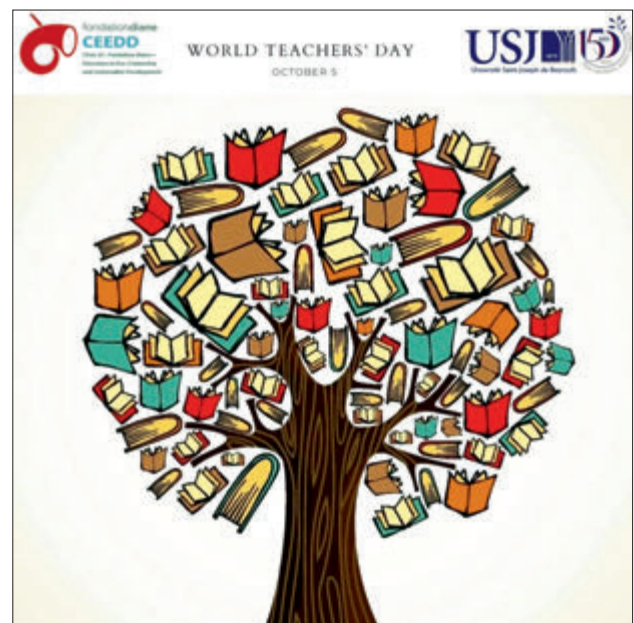


Figure 54. Formation pour les agents de nettoyage au CST

# Communication

## CEEDD SUR LES RÉSEAUX SOCIAUX





Website QR



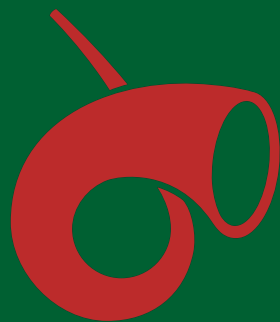
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Facebook



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fondation **diane**  
**CEEDD**

Chaire de l'Éducation  
à l'Éco-citoyenneté et au  
Développement Durable

CEEDD est ouverte à tout esprit de collaboration  
et accueille tout projet novateur dans les champs  
de l'Éco-citoyenneté et du Développement Durable.

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