



CENTER FOR ENVIRONMENT AND COMMUNITY RESEARCH

ANNUAL REPORT

2022

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General information

Established at the end of 2009 under the Vietnam Union of Science and Technology Associations (VUSTA), the Center for Environment and Community Research (CECR) has been involving passionate scientists, staff and specialists in researching and implementing projects on environmental protection and community-based climate change adaptation. Accordingly, our work is contributing to ensuring a healthy living environment for the present and the future.

At CECR, we believe that solutions to current environmental problems need mainly to be implemented at the local level, within the framework of national guidelines and policies. They must be developed and solved by the community itself. This will lead to a change in attitudes and behaviors of communities and individuals in protecting the environment and adapting to the climate change in a positive way.

Applying digital technology to effectively connect and mobilize meaningful participation of partners in environmental protection and climate change adaptation activities is CECR's approach. Our main partners include government agencies, international organizations, NGOs, schools, mass organizations, businesses, media/press groups, jurists, experts, and communities. CECR specifically promotes the pioneering role of women and young people in environmental protection and climate change adaptation.





General information

Mission

Contributing to ensuring a healthy living environment for the present and the future. We are pioneers in water conservation, waste management, effective climate change adaptation and gender equality promotion.

Vision

To be a reliable and pioneering partner in the application of digital technology to connect state agencies, international organizations, businesses, and the community to collectively protect the environment and adapt to climate change.

Core values

Networking
Energetic
Inspiration
Learning
Think tank & Innovation

Slogan

Turning challenges into innovative solutions



Preface

In 2022, CECR has implemented many projects contributing to environmental protection in Vietnam.

In order to protect water resources against industrial and domestic pollution, CECR implements activities to raise awareness of water resource protection and conservation. CECR has been conducting the Project “Collective Actions for Water Conservation” (CAWACON) in Hanoi and Danang, aiming to help improve water quality and provide knowledge to the community about the protection of local water sources. In 2022, CECR has continued to support and develop the Vietnam Water Conservation Network (VIWACON) with partners in Da Nang City to implement many initiatives on Water Conservation. In addition, the CAWACON project activities have contributed to supporting the process of amending the Law on Water Resources by assisting in solving difficulties and problems encountered by the drafting team, such as water security, water management by basin, water economy, or wastewater reuse...

In the field of waste management along the value chain, CECR always strives to implement programs to change the behavior of classifying, collecting, and recycling household waste through maintaining the two typical projects including: the Project "Advancing Solutions to Plastic Pollution through Inclusive Recycling" (ASPPIRe), funded by the Ocean Conservancy (OC) and implemented in Nam Tu Liem District, Hanoi; and program "National Collaboration program to Establish the Plastic Circular Economy Model in Vietnam" funded by Dow Chemical Vietnam and implemented in Hoan Kiem District, Hanoi.

In gender and climate change, CECR continues to implement the Project "Promoting engagement and leadership of women's organizations in climate change and disaster risk reduction policy-making process". Although the project period is only two years, the achievements and benefits that the project brings to women-led organizations in particular and CSOs and NGOs in general, as well as to the community, have practical meanings and make important contributions to promoting gender equality in the context of climate change in Vietnam.

With the belief that whether the future environmental quality would be improved depends on how we teach younger generations at the moment, CECR also continues to carry out educational and training activities providing environmental knowledge for many different subjects. Concluded in 2021, the Education Program in Hoan Kiem District has helped students at 39 pre-schools, primary schools, and secondary schools of the District to be equipped with knowledge and skills about recycling and reusing plastic, and implementing water conservation initiatives at schools, families, and localities.

Preface

In addition, CECR also carries out activities on consulting, training, and capacity-building, as well as Corporate Social Responsibility (CSR) in environmental management and protection. Activities such as the "Inspirational Sharing Program for the KMS Gives team – the community ambassadors of KMS Technology (KMS) about the importance of 3R implementation and the application of a circular economy approach to waste management in order to comply with the implementation roadmap of the Law on Environmental Protection 2020" and the "Program in response to World Water Day on March 22: Deployment to clean the Bo De Pond" has contributed to raising awareness and mobilizing the cooperation of all levels of the government, civil organizations, communities, and enterprises in environmental protection and water conservation; at the same time, delivering a meaningful message: *"Because water is a source of life, Because waste is a resource - Let's join hands to conserve water and reduce waste for a sustainable future."*

On this occasion, I would like to express my sincere thanks to our sponsors, state partners, non-governmental/science and technology organizations, scientists, students, and communities have participated in effective cooperation with the Center over the years. This effective cooperation is a significant demonstration of the participation of all parties in environmental protection, and CECR hopes this cooperation will continue to be expanded in depth and width in the near future.



**On behalf of the Board of Directors
CEO**

Dr. Nguyen Khac Hung

ACTIVITY FIELDS



**WATER
CONSERVATION**



**WASTE MANAGEMENT
BY VALUE CHAIN**



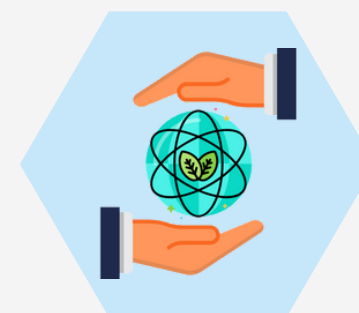
**GENDER AND
ENVIRONMENTAL PROTECTION,
CLIMATE CHANGE**



**ENVIRONMENTAL
EDUCATION**



**CONSULTING, TRAINING,
AND CAPACITY BUILDING
OF ENVIRONMENTAL
MANAGEMENT**



**CORPORATE SOCIAL
RESPONSIBILITY
(CSR) FOR THE
ENVIRONMENT**

WATER CONSERVATION

Project Collective Actions for Water Conservation (CAWACON)



Implementation time: 2021 - 2023

Location: Hanoi and Danang

Objectives

To attract networks, NGOs, businesses, research institutions, associations, and individuals interested in the conservation and protection of surface water to join the Vietnam Water Conservation Network (VIWACON). Within this framework, the members of the network will work together to not only raise public awareness about the causes of water pollution and its impact on health and the economy but also transform into a sense of shared responsibility for protecting rivers, streams, lakes, and coastal waters.

Main content

Through this project, a network of Vietnam Water Resources Conservation (VIWACON) was established. The network supports capacity building to jointly implement and promote community-based activities/initiatives for water protection, water pollution control, and smart water use in Da Nang, as well as supports amending and implementing Vietnam's policy on water conservation and effective water pollution control through technical assistance to the Ministry of Natural Resources and Environment and other legislative agencies such as the Committee on Environmental Science and Technology of the National Assembly.

Activities and results in 2022



Result 1: Capacity-building for the

Vietnam Water Conservation Network (VIWACON)

The Project has implemented chains of capacity-building for Network members and expanded the connection of new members, creating a premise for the sustainable development of the Network. In year 2, Mr. Truong Manh Tien, Former Chairman of the Vietnam Environmental Economics Association, was elected as the President of the Network for the period of 2022-2025. Along with that, all three VIWACON member groups' capacity were enhanced through technical support, training, and coaching. The two most prominent trainings are the training program to improve the project implementation plan building capacity of the Project "Building Da Nang - An Environmental City" on March 18, 2022, and the training program to improve project management capacity on September 21, 2022, in Da Nang. In addition, two capacity-building training programs on presentation skills in October 2022 and human resource management in December 2022 were organized. The performance enhancement evaluation of VIWACON member organizations was also carried out in 2022. As a result, 5 out of 5 VIWACON founding member organizations have improved their working performance.

The Network's communication platforms are maintained and continuously improved, including the Network's website <https://viwacon.vn/> and fanpage <https://www.facebook.com/viwacon> with 06 volumes of the VIWACON newsletter published and shared with all members and partners of the Network.

The Year 2 VIWACON Network Development Workshop was held on February 24-25 with the participation of 46 VIWACON delegates. Through the workshop, VIWACON members have agreed on the operation plan for 2022.

Result 2: 11 local initiatives

on water conservation in Danang were implemented



Initiatives implemented by 15 local partners in year 2, of which there are 02 initiatives, including youth joining hands to protect the sea and local water sources, and environmental clubs of the Veterans' Association to clean the environment, have been completed; 04 initiatives, including Mapping the current status of the environment at Tho Quang Navigation Lock and Fishing Port, Researching and Proposing solutions to protect the water environment of Phu Loc river, Building a set of indicators to evaluate the environmental protection and management (district level) based on community survey (DISED), and Mobilizing the participation of environmental clubs of the Veterans' Association, have been completed all activities and in the progress of completing administrative procedures; 05 initiatives on Building a database system on the environment, Building models of sustainable development residential areas, Promoting smart water use and water reuse initiatives in enterprises, Coordinating to implement activities of the Vu Gia - Thu Bon River Basin Coordination Committee, and Building the model of the community joining hands to protect the environment at Tho Quang Navigation Lock and Fishing Port, are continuing to be implemented.

Activities and results in 2022



Result 3: 5 initiatives under the Program

“Vietnam Blue Water Fund” on water conservation completed

In year 2, the Vietnam Blue Water Fund Program under the CAWACON Project conducted 2 rounds to support local initiatives with a total of 5 initiatives implemented. Currently, all 5 initiatives have been completed, including 04 initiatives on Proposing the name and concept of "Water Security" in Vietnam; Communication on Water Security; Proposing criteria for building an optimal water allocation mechanism in large reservoirs; Proposing an approach to applying water resource valuation in Vietnam. The products of these initiatives have been submitted to the Department of Water Resources Management and committed by the Department to use in the process of amending the Law on Water Resources. In addition, a Communication handbook on Water Security, the main product of the Communication on Water Security initiative, has been designed, printed, and sent to relevant agencies including ministries, departments, and sectors such as the Ministry of Education and Training, the Ministry of Science and Technology, Departments of Natural Resources and Environment of 63 provinces, and management units related to the field of environment and water resources.

The initiative on Developing a model of water resource management and protection by basin has supported the community of Dy village and the People's Committee of Minh Quang commune and Ba Vi commune to develop and promulgate the Regulations on management and protection of water sources in Dy village, stipulating standards of conduct on water source protection and water sanitation.

Result 4: Environmental communication and

education activities were implemented



The Set of learning materials on Water conservation applied to secondary school is completed and published in June 2022. It is a reference to environmental education activities that are continued to be used by teachers in Son La and Hanoi.

In year 2, communication activities on water conservation continued to be carried out, including the Cleaning event of Bo De pond in response to World Water Day on March 22; the Mini-game “Clean Water Warrior” (April 18 - June 1); the Online survey "Public awareness on water pollution and water conservation" (April 21 - June 5). In Hanoi, VIWACON members participated in the display and communication of water protection at the virtual exhibition in response to World Water Day, World Meteorological Day, and Earth Hour 2022. In Danang, local partners organized a series of clean-up events such as the "Green - Clean - Beautiful Sunday Movement" of the Veterans' Association; The Danang Youth Union organized a campaign to deal with pollution in 56 communes, wards, and 15 routes across Danang city.

Activities and results in 2022



Result 5: Support the process of

Amending the Law on Water Resources

The Project has supported the Vietnam Environmental Economics Magazine to organize a Workshop on "Some issues of Water Resource Management in Vietnam in the current period" on December 2, 2022. The workshop had the participation of 30 delegates who are experts/scientists in the field of water resource management of VIWACON Network, the Vietnam Environmental Economic Association, the Department of Water Resources Management, the Department of International Cooperation (MONRE), the Institute of Water Resources Science, Environmental Journal... The workshop discussed the current difficulties and obstacles that the drafting team encountered, such as water security, water management by basin, water economy, and wastewater reuse...

The Project has also supported the Elected Deputies Training Center to organize 02 seminars on "Amendment of the Law on Water Resources 2012 – Some highlighted policies" on December 12 and 23, 2022, to provide and update information and knowledge on water resources and policy contents proposed in the amended Draft Law on Water Resources for the elected representatives.

The 22-minute propaganda reportage on the completion process of the amended Law on Water Resources was broadcast on the Green Future Program, National Television VTV1 on December 3, 2022. The reportage is also posted on the website and fanpage of the Department of Water Resources Management; and is expected to be shown at conferences and seminars to collect opinions on the development of the amended Law on Water Resources organized by the Ministry of Natural Resources and Environment.



Activities and results in 2022



Result 6: Databases for environmental management

of Danang city were built, including:

A database on the current status of Tho Quang Navigation Lock and Fishing Port:

The study and assessment of the current status of water pollution in the area of Tho Quang Navigation Lock and Fishing Port have identified sources of waste generation, odor, wastewater, and pollution causes, including surface and point pollution sources at the site of Tho Quang. On this basis, a database system and tools to support environmental management and community participation in environmental protection on the platform of websites and mobile applications continue to be built and completed.

A database on the environmental status of Phu Loc River:

A study to propose solutions to protect the water environment of Phu Loc River with the participation of the community, a study on the status of water quality in Phu Loc River, and a database on water quality in Phu Loc River were built through research and community surveys. This database was built on the website platform and in consultation with relevant local agencies.

A database on the environmental status of residential areas in Thanh Khe and Hoa Vang:

A study on environmental status assessment in 05 residential areas in 2 districts was carried out, and the map of 05 environmental hotspots in residential areas was completed. Currently, from this environmental status database, the implementation plan to build sustainable development residential areas on the environment and climate change has been jointly developed and implemented by C&E, the People's Committees of 05 communes/wards, and core groups in 05 residential areas. The criteria for sustainable development residential areas were built based on the characteristics of each locality, however, they all focus on raising awareness and changing behavior toward water sources and environmental protection, models of waste classification and reduction, and models of water saving and water sources protection.

A database on water reuse in enterprises:

To build this database, the School of Environmental Science and Technology (Hanoi University of Science and Technology) and Danang University of Science and Technology conducted a survey of 51 enterprises belonging to two groups of manufacturing and hotel/tourism businesses. Then, 10 enterprises were selected to participate in in-depth interviews on the economical use, reuse, and treatment of wastewater. This database is the foundation for INEST to choose Thien Ma Co., Ltd, and Sandy Beach Resort to participate in the water reuse model.

WASTE MANAGEMENT BY VALUE CHAIN

Project Advancing Solutions to Plastic Pollution through Inclusive Recycling (ASPPIRe)



Ocean Conservancy®

Implemented time: 2021 - 2022

Location: Nam Tu Liem District, Hanoi

Objective: To promote the classification and sustainable recycling of low-value plastic waste with the participation of key women's groups, and raise the status of women in environmental protection in general and waste management in particular in the present context.

The project has developed a low-value plastic waste (LPW) collection model, created a business market for recycled products, and improved the living conditions of the informal women collector groups.



Activities and results in 2022



Activity 1: Training of Trainer Program (TOT)

on Social Fingerprints

- In-depth interviews with 20 women and 10 representatives of 10 wards to support the development of training content on social fingerprints;
- Developed a Training of Trainers Program (TOT) on Social Fingerprints for representatives of the Women's Union of 10 wards;
- Developed training course content;
- Coordinated with the District Women's Union to organize training for the Women's Union of 10 wards in Nam Tu Liem District People's Committee at the beginning of September 2022;
- Planned and conducted training for female scrap collectors in 10 wards.

Results:

- Organized the training program on Social Fingerprint for 100 female scrap collectors, focusing on occupational safety, price negotiation, environmental regulation, communication, and technical training;
- Launched the Female Scrap Collector Support Club chaired by the Women's Union;
- The club's 10 initiatives were spread to 300 female scrap collectors.



Activities and results in 2022



Activity 2: Replicated the model of women participating in the collection, classification, and recycling of low-value plastic waste

- Held a meeting with Me Tri Ward authority and District Department of Natural Resources and Environment, to inspect plastic waste collection points to gather lessons learned for the deployment and replication of the model in the year 2 of the Project;
- Held a meeting with the collection company to come up with a feasible operation plan for phase 2;
- Adjusted the "Notebook set to record the volume of waste collection and classification", including the addition of "The general notebook of waste collection and classification results" (for the ward level);
- Surveyed the gathering locations of 3 wards: Me Tri, My Dinh 1, and My Dinh 2 on the conditions to ensure the implementation of the replication model. As a result, the model will be replicated in 10 residential groups of Me Tri Ward, 4 residential groups of My Dinh 1 Ward, and 4 groups of My Dinh 2 Ward. The core groups of the residential groups have been established by the ward level;
- Organized a training workshop on the models for 3 wards with the participation of about 100 delegates (Women's Unions of Wards, Core Groups, Female scrap collectors, and Representatives of Civil Society Organizations) at the Hall of the People's Committee of My Dinh 1 Ward at the end of October 2022. At the training workshop, the wards developed a plan to implement the activities of the model.

Results:

- 9000 households had their awareness raised and participated in classifying waste at source;
- 150 female scrap collectors are involved and supported by the models;
- 35,000 kg of low-value plastic waste is collected.



Activities and results in 2022



Activity 3: Research on the current situation of plastic recycling companies in Hanoi

- Developed questionnaires, methods, and frameworks for research reports on recycling companies;
- Surveyed, interviewed, and analyzed data from recycling companies in Hanoi;
- Developed research reports.



Activity 4: Environmental education program on waste

- Planned to implement an online learning program on plastic waste management;
- Worked with Nam Tu Liem District and its the Department of Education and Training to agree on the selection of schools in the District to participate in the training course;
- Trained teachers in online programs on plastic waste and developed training plans for students;
- Implemented a pilot online training program for students on plastic waste;
- Organized a workshop to summarize students' practices on reducing, reusing, and recycling low-value plastic waste.

Results:

- Organized training for teachers at 24 secondary schools on classifying and reducing low-value waste in Nam Tu Liem District;
- 24 school-level plans have been issued and implemented on the reduction and recycling of low-value plastic waste in secondary schools;
- Organized a School Day for pioneers in reducing, classifying, and recycling low-value plastic waste at Tay Mo Secondary School.

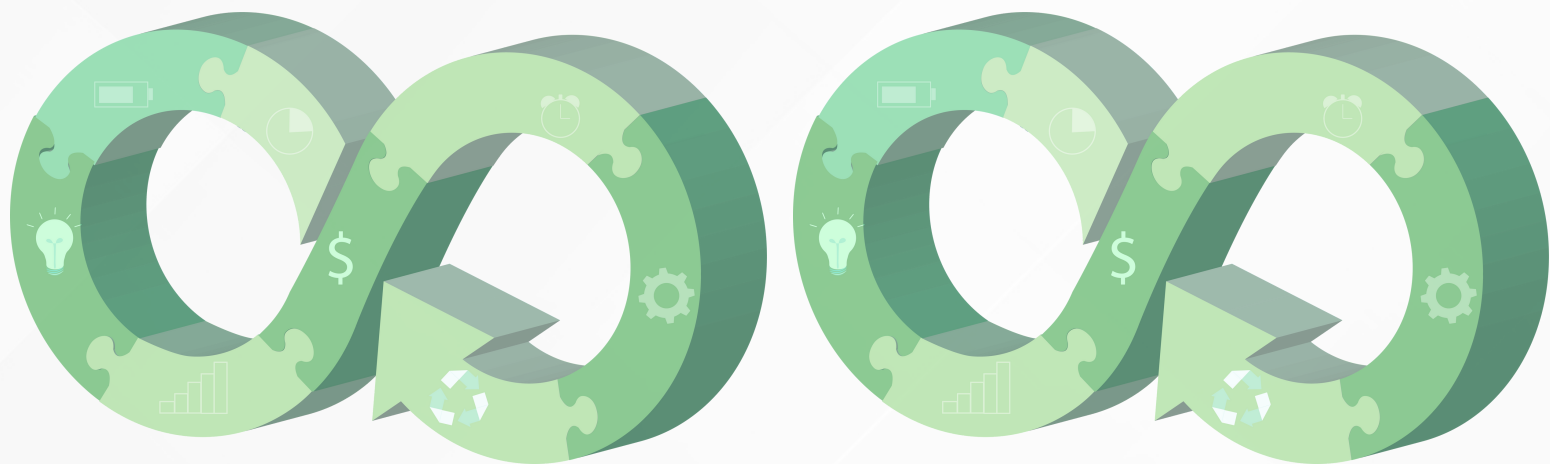
National Collaboration program to Establish the Plastic Circular Economy model in Vietnam



Implementation time: 2020 - 2022

Location: Hoan Kiem District, Hanoi

Objective: Promoting a circular economy in waste management, focusing on low-value plastic waste in Vietnam and providing inputs, identifying priority issues to support the implementation of the circular economy models in waste management.



Model deployment roadmap:

Piloting activities at Hang Can street, Hang Dao Ward (from May 1, 2021 to July 17, 2021)



Piloting the model throughout Hang Dao Ward (from December 2021 to March 2022)



Scaling up the model to 6 Wards (from March 2022 to April 30, 2022 and continuing into May-June 2022)

Activities and results in 2022



The low-value plastic waste (LPW) collection model has been developed, improved, and piloted in 30 households in Hang Dao Ward, Hoan Kiem District, right after the Lunar New Year, from early February to March 2022. After piloting, summarizing the results, and drawing lessons learned, the model was completed and approved by the People's Committee of Hoan Kiem District to be deployed and replicated in 06 wards of the District, namely Hang Dao, Hang Bac, Hang Buom, Hang Trong, Cua Dong, and Phuc Tan. The implementation was carried out synchronously from March to June 2022. A total of 45 core groups with about 230 members and 56 Urenco workers responsible for training people and collecting, transporting, and storing LPW were trained and guided on their roles and responsibilities in the model.

The core groups have visited the households in the area, propagating and guiding them on how to classify LPW, and at the same time, monitoring and reminding them to classify LPW. As of June 30, 2022, 8000 households have received propaganda leaflets and 7000 households have participated in classifying LPW at source.

During the implementation of the model in 06 wards (March 21-June 30, 2022), the total volume of LPW collected is 16150 kg and recycled into plastic beads, which can be used as raw materials for production, by VietCycle Company and paving bricks by Vinacolour Company.

On October 28, 2022, at the Cong Doan Hotel, Hanoi, the Workshop on "Sharing experiences and Handing over the results: Circular Economy Model of Low-Value Plastic Waste in Hoan Kiem District" was organized with the participation of more than 70 delegates from relevant ministries and departments, model implementation agencies, scientific and technical organizations, and press and media agencies. The workshop has reported and shared the results of implementing the circular economy model of LPW in Hoan Kiem District and handed over the model to the District authority to replicate and improve its effectiveness.

GENDER AND ENVIRONMENTAL PROTECTION, CLIMATE CHANGE

Project Promoting engagement and leadership of women's organizations in climate change and disaster risk reduction policy-making process (POCCA)



Implementation time: November 2019 - March 2022

Location: Hanoi and provinces implementing project-sponsored initiatives

Objective: Strengthening the participation of women and women's organizations, improving management and leadership capacity, participating meaningfully and influentially in climate change adaptation policy development, and disaster risk reduction.

Activities and results in 2022



Advocacy communication

on Gender and Climate Change

- In response to International Women's Day, CECR organized an online meeting with the theme: Equality today for a sustainable future on March 9, 2022, with the participation of representatives of UN Women in Vietnam and members of the Network of Pioneering Women to Respond to Climate Change to share recommendations for Session 66 of the Committee of Women Status and discuss opportunities and challenges for CSOs working on gender and climate change/disaster risk reduction work in Vietnam;
- CECR also organized a summary program of the Project Promoting engagement and leadership of women's organizations in climate change and disaster risk reduction policy-making process (POCCA), in hybrid mode on March 30, 2022. The program had the participation of delegates from state agencies, the Vietnam Network of Non-Governmental Organizations on Climate Change (VNGO-CC), the Network of Pioneering Women to Respond to Climate Change, The Vietnam Women's Union, CSOs, NGOs, and experts accompanied by the Project. At the workshop, the Project's results were widely shared with all agencies, organizations, and individuals participating in the Project's activities. Representatives of beneficiary organizations also shared their organization's activities and changes during their participation in the Project, and especially by gender mainstreaming in models, activities, and projects, those organizations have created positive impacts on the local development;
- CECR also developed and published the newsletter "Women and Climate Change" No. 8 and No. 9.

Other activities

within the framework of the Project



*Ms. Ann Måwe- Ambassador Extraordinary
and Plenipotentiary of the Kingdom of
Sweden in Vietnam
(Source: UN Women)*

CECR has mobilized members of the Network of Pioneering Women to Respond to Climate Change to attend the Workshop on Sharing results of the Project Promoting engagement and leadership of women's organizations in climate change and disaster risk reduction policy-making process (POCCA) organized by the UN Women on October 3, 2022.

ENVIRONMENTAL EDUCATION

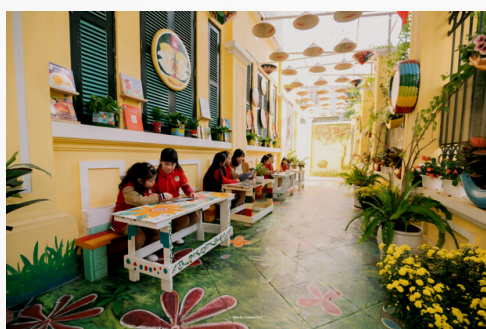
Green School Program – For a Green Hanoi in Hoan Kiem District



Implementation time: from September 2022 to May 2023

Location: Kindergartens, primary schools, and secondary schools in Hoan Kiem District, Hanoi

Objective: Raising awareness of law compliance for teachers, staff, and students in Hoan Kiem District on environmental issues related to energy, waste, electricity, water, atmosphere, and green space, thereby enhancing the sense of responsibility and promoting specific actions to educate students in environmental protection for school administrators and teachers.



Activities and results in 2022

- Coordinated with the Department of Natural Resources and Environment and the Department of Education and Training of Hoan Kiem District to develop an implementation plan for the Program "Building Green Schools - For a Green Hanoi" in Hoan Kiem District in the 2022 – 2023 school year. On November 1, 2022, the plan was issued by Hoan Kiem District People's Committee at No. 255/KH-THMT-GDDT. Through the above plan, the Green School program and the Green Ambassador competition of 39 kindergartens, primary schools, and secondary schools in Hoan Kiem District were held;
- Organized the training program "Promoting water conservation initiatives in schools in Hoan Kiem District" on December 23, 2022, at Hoan Kiem District People's Committee. The program has the participation of nearly 70 teachers from kindergartens, primary schools, and secondary schools in Hoan Kiem District. Through the program, teachers have been strengthened in their capacity and understanding of professional content related to water conservation and provided with methods and tools suitable for each student to integrate environmental education contents on water conservation in regular and extra-curricular classes. From there, the teachers suggest and motivate students to come up with ideas and initiatives on water conservation, water saving, and water reuse in schools and families;
- Launched and organized a contest on Water Conservation Initiative within the framework of the Program "Building Green Schools - For a Green Hanoi" in Hoan Kiem District in the 2022-2023 school year at 21 primary and secondary schools in Hoan Kiem District. Through that, 27 students' initiatives have been submitted and the organizers have selected 10 excellent initiatives to support the implementation;
- Launched and organized a contest to create slogans for the Program "Building Green Schools - For a Green Hanoi" in Hoan Kiem District in the 2022 - 2023 school year " at 39 kindergartens, primary schools, and secondary schools in Hoan Kiem District. The contest aimed to stimulate creativity from students to find the common slogan of the Green School program with the content towards implementing solutions for protection, management, economical and efficient use of electrical energy; economical management and use of water; protection of water sources; management, classification, and reduction of waste; planting, tending, and protection of trees. After the launch period, hundreds of slogans were sent to the organizers.



Environmental education program for secondary school students on low-value plastic waste reduction, classification, and recycling in Nam Tu Liem District in the 2022-2023 school year



Ocean Conservancy®



Implementation time: from October 2022 to December 2022

Location: 24 secondary schools in Nam Tu Liem District, Hanoi

Objective: Raising awareness among teachers, staff, and students in Nam Tu Liem District about waste pollution and the harmful effects of low-value waste on people and the environment; Changing awareness to concrete action to educate students on the reduction and classification of waste at source, especially low-value waste; Developing the initiative on the reduction and classification of waste at secondary schools in Nam Tu Liem District.

Each student will become an active minister to family, school, and society in implementing waste classification at source, contributing to achieving the common goal of the Environmental education program for secondary school students on low-value plastic waste reduction, classification, and recycling.

Activities and results in 2022

- **Carried out survey activities and developed training materials:** On October 13 and 14, 2022, CECR visited and met with representatives of 05 secondary schools in Nam Tu Liem District, including Nam Tu Liem, Cau Dien, Tay Mo, Me Tri, and My Dinh 2 Secondary Schools. Through the survey results, CECR has synthesized and provided input information for the development of training programs for teachers at 24 secondary schools. It was the basis for schools to develop action plans on the classification, collection, and treatment of low-value plastic waste at schools;
- **Organized a training program for 24 secondary schools on "Environmental education program for secondary school students on low-value plastic waste reduction, classification, and recycling in 2022 in Nam Tu Liem District":** On November 4, 2022, the Training program on "Environmental education program for secondary school students on low-value plastic waste reduction, classification, and recycling in 2022 in Nam Tu Liem District" at Nam Tu Liem Secondary School, with the participation of nearly 50 teachers from 24 secondary schools in Nam Tu Liem District, was held. Through the program, each school has understood the steps to develop a school-level action plan with all the contents on: building the core teams, guiding communication activities for students to audit the waste, and record the initial and final week's waste statistics to measure the changes. After that, 24 copies of 24 schools' action plans were sent to the Department of Education and Training of Nam Tu Liem District;
- **Launched and organized a contest on reducing and recycling low-value plastic waste:** The contest on reducing and recycling low-value plastic waste was launched at 05 schools: Nam Tu Liem, Cau Dien, Tay Mo, Me Tri, and My Dinh 2 Secondary Schools. Through it, 20 schools' initiatives on reducing and recycling low-value plastic waste have been implemented. At the performance and scoring took place on December 9, 2022, the organizers selected outstanding initiatives to be commended in the closing program, including 01 special prize, 02 first prizes, 04 second prizes; 05 third prizes; 08 consolation prizes;
- **Organized the District-level Festival Day "Pioneer school in the reduction, classification, and recycling of low-value plastic waste in 2022":** On the morning of December 17, 2022, the Festival Day "Pioneer school in the reduction, classification, and recycling of low-value plastic waste in Nam Tu Liem district in 2022" was held at Tay Mo Secondary School, Nam Tu Liem District, Hanoi. The program has the participation of more than 1500 students, teachers, and parents of 24 secondary schools in Nam Tu Liem District. The results of the environmental education program for secondary school students on low-value plastic waste reduction, classification, and recycling shared during the festival have contributed to raising awareness of environmental protection for each school, teacher, and student. Through actions such as cleaning streets and public places, conserving and protecting water sources, planting trees, participating in collective activities, and developing innovative models to reduce and recycle plastic waste, students have achieved a better awareness in environmental protection.



Activities and results in 2022

After more than 2 months of program implementation:

24

school-level action plans on the reduction, classification, and recycling of low-value plastic waste were developed;

20%

of the generated waste was reduced;

20

creative ideas of students have spread the message about reducing, classifying, and recycling low-value plastic waste;

100%

teachers and students of secondary schools in Nam Tu Liem District have been propagated and raised awareness on reducing, classifying, and recycling low-value plastic waste.



CONSULTING, TRAINING, AND CAPACITY BUILDING OF ENVIRONMENTAL MANAGEMENT

Inspirational Sharing Program for the KMS Gives team – the community ambassadors of KMS Technology (KMS) about the importance of 3R implementation and the application of a circular economy approach to waste management in order to comply with the implementation roadmap of the Law on Environmental Protection 2020

Implementation time: October 6, 2022

Location: KMS Gives Office, Hai Chau District, Danang

Objective: Raising the capacity and awareness of KMS Gives ambassadors about highlighted environmental issues in Vietnam, contributing to promoting the implementation of the goals of extended producer responsibilities to the community, as well as the commitment of KMS in contributing the company's resources back to serve the development of the community.



Activities and results in 2022

On October 6, 2022, a sharing session with KMS Gives ambassadors on 3R implementation and the application of the circular economy approach to waste management, as well as the role of citizen science in developing data sets on environmental pollution and community mobilization, was organized. The sharing session has helped KMS Gives to understand more about legal and financial issues in the implementation of the Law on Environmental Protection 2020, specific practices, and meaningful findings related to building a circular economy model of waste resources in Vietnam, as well as scientific methods and tools used to implement the project, through research, data collection, understanding the needs of the local community; how to manage and connect stakeholders in project implementation.

At the end of the sharing session, KMS Gives ambassadors were inspired in the love for the environment, green living, and waste reduction. KMS Gives was also guided on identifying and developing plans to carry out larger tasks and projects related to 3R, environmental protection, in accordance with the direction of KMS, which is to contribute a part of its profits back to the community.



CORPORATE SOCIAL RESPONSIBILITY (CSR) FOR THE ENVIRONMENT

Program in response to World Water Day on March 22: Deployment to clean the Bo De Pond

LocknLock



Implementation time: April 3, 2022

Location: Bo De Pond, Tay Mo Ward, Nam Tu Liem District, Hanoi

Objective: Raising awareness and mobilizing the cooperation of the authorities at all levels, civil organizations, communities, and enterprises in environmental protection and water conservation. The program focused on propagating and raising awareness about the classification of waste at source, the prevention of source pollution, and the protection of the environment.

Key message: *Because water is a source of life, Because waste is a resource - Let's join hands to conserve water and reduce waste for a sustainable future*

Activities and results in 2022

Deployment to clean up the environment of Bo De Pond

The launching ceremony was attended by 100 members from the Women's Union, Veterans' Association, Youth Union, Self-Management Team, the D20 Battalion force stationed in the Ward, and households in Tay Mo Ward. Each group had separate tasks to join hands in cleaning the Bo De Pond, such as: pick up trash and duckweed on the water surface, pick up waste on the shore, cleaning the corridors around the pond, and so on.



This was an activity which is very enthusiastically welcomed by the local people. Especially, the participation of children, when they were instructed by their parents to bring waste paper and plastic bottles to exchange for gifts such as reusable water bottles for school, has showed the awareness and education about environmental protection among younger generation. Through that, hundreds of gifts have been given to local people and countless plastic bottles, cans, and waste paper... have been collected to prevent discharging into the environment.

Exchange of recyclables for gifts

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