

2016

Activity Report



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The Veolia Foundation

supports community-oriented,
non-profit projects contributing
to sustainable development,
in France and abroad.

Its priority areas of action
are humanitarian emergencies
and development aid,
employment and social links,
and environmental conservation
and biodiversity.

It takes an original approach
by having each project supported
by a Group employee acting
as sponsor and by encouraging
skills sponsorship, which
gives its partners – nonprofits
and institutions – access
to the know-how of its Veoliaforce
network of employee volunteers.

Since its creation in 2004,
the Foundation has supported
more than 1,400 projects
and carried out almost 180 skills
volunteering missions.



“Repairing” the world of today and preparing that of tomorrow.

**Antoine Frérot,
Chairman and Chief Executive Officer of Veolia
and Chairman of the Veolia Foundation**

The years follow and resemble each other, for better or for worse. The worse includes the war in Iraq, Cyclone Matthew in Haiti, the earthquake in Ecuador. These tragedies continue to drive the timetable of the Veolia Foundation's humanitarian emergency teams, always on the alert to travel to the other side of the planet and save lives when everything seems lost. Their action unfolds over the longer term: while it takes only a few minutes or hours for a cyclone, an earthquake or a conflict to ravage a region, once the phase of extreme emergency is over, we must help the victims return to normal life, if that is possible, or support them through change, if this is necessary. Staying at their side and helping them over the months to rebuild themselves and their lives is what the Foundation is doing with refugees from the conflict in Iraq.

The better includes reviving hope, renewing lives, helping people back to work, preserving ecosystems. It means helping older unemployed people back into the job market; reconnecting water and electricity networks; restoring degraded sea beds; the successful symbiosis between the new Veolia head office and Aubervilliers – one of the Foundation's areas of action – where the city of tomorrow is being created. Protecting people against the fury of nature and against themselves, and protecting nature against the excesses of human beings – in the last analysis, these are the missions of the Foundation. But none of this could be done without its volunteers, without its non-profit partners, without its project sponsors, and

without its financial backers. The Foundation never acts alone: it shapes and coordinates a long chain of solidarity at the service of all. Neither would anything have seen the light of day without innovation – innovation that is humble, works at grassroots level, is made up of small steps forward, which brought together can have a decisive impact. Hybrid innovation that combines technical, economic and social initiatives; fertile innovation that augments the reliability of our intervention, since we cannot accept mistakes when lives are at stake; our responsiveness, when minutes count, and our capacity to continue providing basic services to an ever greater number of people.

The road to innovation is strewn with obstacles, but because it goes where no-one else goes, the Foundation is used to overcoming them. The determination of its members, the variety of their experience and its vast network of partners help it accomplish its task.

For those who know how to look, everyday life is a magnificent laboratory. Innovations spring from our observations, but also from our dreams and the calls of the present. So what does the Foundation dream of? A more generous and less polluted world, more peaceful and less reliant on fossil fuels, more sustainable and less fragile. To this end, it strives, humbly and patiently, to “repair” the world of today and prepare the world of tomorrow.



Innovating together to boost our impact

By Thierry Vandeveldel,
Executive Officer of the Veolia Foundation



During COP22 in Marrakech, I was struck by the growing awareness of the major impacts of climate change, further exacerbated by demographic growth: the problems generated by the increasing scarcity of water, energy and material resources are enormous. No organization can respond alone to challenges on this scale. We must create hybrid alliances led by a variety of players, who search for the appropriate solutions and build them together: this is the ambition of our Foundation.

Helping people live with dignity and in better health

With the aid of our partners, our humanitarian emergency missions respond to disasters, whether natural, climatic or due to conflicts. Our Veoliaforce volunteers place their expertise at the service of disaster victims and displaced people. Given the unprecedented situations we are facing with today's migratory movements, we need to create new solutions. One example is the Aquaforce mobile unit that enables us to supply clean drinking water for 15,000 people using a membrane ultrafiltration process developed by our teams. We seek always to do better for even more people in need, through an open innovation approach.

In 2016, Veoliaforce volunteers received many calls for assistance. They intervened in Ecuador after the earthquake on April 16, and in Haiti, hit on October 3 by Cyclone Matthew. Several missions brought them into close contact with migrants fleeing conflicts on the Balkans route, in Greece, and in Iraqi Kurdistan, in the refugee camps of Bardarash and Mosul.

Other migratory movements are linked to climate change which makes life in some regions impossible due to serious drought. The Foundation and its partners seek to act preventively to stem the exodus of these populations. This is the case in Niger, where the Foundation installed a number of water supply systems operating on solar energy, in rural areas; in the west of Cameroon, where the Foundation participates in pilot solar energy production initiatives; in Senegal, where alongside the CNRS it is supporting the Great Green Wall, a program of planting crops around a belt of forested areas that is ecologically and economically viable for local residents.

In the Democratic Republic of the Congo (RDC) and in Guinea, the Foundation works to improve hygiene and access to clean water, the only solution to sustainably combat cholera, endemic in this part of Africa, and prevent diarrheal diseases, thanks to work done in the field over ten years to improve health resilience in these countries.

The impact of these philanthropic and skills transfer actions is multiplied by the huge network of partners the Foundation has brought together around its actions: the French Foreign Affairs Ministry (MAE), the Red Cross, the Agence française de développement (AFD), Unicef, Médecins sans frontières (MSF), Acted and others. I would also mention the NGOs and local authorities, which are competent, motivated and essential partners.

Innovating to restore conditions that sustain life

On the environmental front, the first results of the Remora program to restore biodiversity are more than encouraging. The immersion of artificial reefs off Cap Sicié near Toulon, where all marine life had disappeared, has been effective in fostering the habitat and reproduction of species. Ecological engineering projects are promising: when human innovation provides the right conditions, life can regenerate itself. Here too, the strength of the project is its collaborative nature: it brings together the Rhône-Méditerranée-Corse water agency, local authorities along the Var coastline, Veolia Eau, and the Paul-Ricard oceanographic institute...

Innovation also guides us in the field of promoting employment, with the help of exemplary pilot actions such as the inclusive neighborhood concierge service "Lulu dans ma rue". Tested in the 4th *arrondissement* of Paris, the service rapidly proved a success. It is now being replicated in other Paris neighborhoods and is eagerly awaited in other cities. The concierge service uses digital technologies to facilitate contact between customers and service providers, thereby helping re-establish social links and provide jobs in these neighborhoods.

At the heart of the grand alliances that stimulate innovation, the Foundation relies on Veolia's employees to nourish its actions, either as volunteers or sponsors. When the Group moved into its new head office, the launch of Cité Solidaire, a program to support nonprofits in the Aubervilliers neighborhood, is a good example of this. Employees offer not only their expertise but also their open-mindedness and their appetite for solidarity.

"The impact of these philanthropic and skills-transfer actions is multiplied by the Foundation's huge network of partners."

A vibrant, high-angle photograph of a bustling outdoor market in a rural setting. The market is filled with a large crowd of people, many of whom are wearing colorful clothing. Numerous colorful umbrellas are open, providing shade for the vendors and customers. The market stalls are made of simple materials, and the ground is dirt. In the background, there are trees and a clear blue sky. The overall atmosphere is one of a busy, active community.

Development AID

and humanitarian
emergencies

To live well, people need safe drinking water, food and energy. They also need adequate hygiene and access to healthcare to protect their health. The projects supported by the Foundation, its sponsors and Veoliaforce volunteers are designed to satisfy these basic needs, especially for the most vulnerable communities.

Location: Bangangté and Fokoué, Cameroon
Sponsor: Richard Nanadwanang
Grant: €150,000

REFELA-CAM

A pilot sustainable energy initiative in Cameroon



In Cameroon, a network of elected women officials from the local area is embarking on a renewable electrification project. The inhabitants of Bangangté and Fokoué will be the first to benefit, before the program is extended to cover the whole country.

Cameroon has substantial energy potential that is not yet harnessed. Barely 27% of households have access to electricity. The Réseau des femmes élues locales du Cameroun (Refela-CAM) is working to implement pilot sustainable energy actions in the west of the country. In partnership with the Association internationale des maires francophones (AIMF) that brings together French-speaking mayors across the world and Ademe, the French environment and energy management agency, the Foundation is supporting this initiative.

The project led by this group of female elected officials concerns Bangangté and Fokoué.

The two municipalities, located respectively in the N'Dé and La Menoua departments in west Cameroon, will host local production and access to sustainable energy programs designed by Refela-CAM. They should enable installation of a public lighting network running on solar energy in Bangangté and Fokoué and creation of a small hydro-electric station in Bangangté.

The program also includes management of the infrastructure in both towns: the project has a section dedicated to maintenance, organization of the technical services and pooling of skills, all key elements for good management of the public service.

Bangangté and Fokoué, the program's pilot towns, are models with the potential to be duplicated. Installation of the infrastructure is designed on the basis of a "networking" approach. The first feedback will be shared with all the municipalities involved, with Refela-CAM organizing training sessions to strengthen technical services and locally based program management. Methodological and practical tools will be provided to facilitate this sharing of experience. In this way, the other towns in the network can discuss an approach that could eventually be exported to cover the whole country. Replication of this innovative project could, in the longer term, benefit thousands of Cameroon citizens.

MSF*

Research and innovation in the humanitarian sphere

Location: World
Sponsor: Thibaut
Constant
Grant: €170,000

Already partner to the Foundation in RDC and subsequently in Uganda, MSF, aware of the huge array of skills available in Veolia, requested the Foundation's support in research and innovation on issues linked to its activities on the ground in fields closely related to the Group's business activities:

energy, waste, sanitation and emergency provision of clean drinking water. Alongside the NGO, the Foundation has embarked on a huge research-action program to test new operating modes and new equipment. The goal is to enable MSF to reduce its environmental footprint and gain greater autonomy in its humanitarian interventions.

A first stage of the program involved use of renewable energies by MSF: the partnership led notably to construction of a pilot hybrid solar energy production unit on the MSF base camp in Moïssala (Chad) to secure energy supply, production of a field guide on hybrid solar generators, construction of a 6 kVa plug and play solar kit, and other renewable energy initiatives. In 2016, MSF teams were involved in testing a new mobile water production unit, Aquaforce 15000, which is currently being developed at the Foundation. Design of this equipment dedicated to humanitarian intervention in refugee camps led to some very

interesting exchanges between MSF and the Foundation's engineers. In parallel, MSF continues with on-the-ground trials of Aquaforce 500. In the field of waste, the resources provided by the Foundation have enabled development of several types of incinerator for health centers or base camps. In sanitation, the Foundation supports MSF in assessing technical solutions for treatment of waste water, in particular through definition of a tracking methodology and measuring tools adapted to the context of its interventions. In 2016, the two partners worked in particular on dehydration latrines. This equipment, installed in Uganda and South Sudan, is the result of adaptation of pre-existing solutions, tested in the field by MSF teams. Lastly, the partnership also has a training dimension that will be implemented in 2017. The Foundation is helping MSF embrace the cultural change that accompanies innovation and carries out missions in the field to familiarize the teams with the equipment made available.

** Médecins sans frontières*



Location: World
Grant: €350,000

SUPPORT FOR REFUGEES AND MIGRANTS

The growing number of conflicts in the world over the last few years has led to unprecedented displacement of populations. Unsurprisingly, the largest contingent of refugees comes from Syria, where the civil war that started in 2011 has become a total war. More than half the country's inhabitants have fled their homes (11.7 million at the beginning of 2016, according to UNHCR). Iraqi citizens are also among the populations most affected, with 4.1 million refugees: a little over one third are internally displaced, while others have left the country, torn apart by civil war between Shia and Sunni fighters. On top of these population displacements come migratory movements of people leaving their countries of origin for economic or climate-related reasons. The International Organization for Migration (IOM-OIM) estimates that over 250 million people across the world are directly affected by desertification and drought.

The Foundation, engaged for many years in humanitarian intervention, is bolstering its presence among displaced populations.

Mobilized alongside its historic partners (the French Foreign Affairs Ministry, the Red Cross, MSF, UNHCR), it intervenes in a number of refugee camps through skills volunteering – by offering the expertise of its volunteers – and/or providing financial support or equipment for some long-term programs.

In Greece: thousands of migrants trying to reach Europe have headed to Greece, the gateway to the Balkans route. They are living in some 20 camps



managed by the army and in which several NGOs are present. Veoliaforce intervened at the request of the Red Cross in the Ritsona camp in the north of Athens. Likewise, contacted by the French Foreign Affairs Ministry, the Foundation carried out a mission on the island of Chios, which has welcomed 3,500 migrants.

In Iraqi Kurdistan: fleeing the persecution of Daesh and the combat zones, thousands of displaced people have taken refuge in camps. The Foundation has intervened several times at the request of the MAE in the Bardarash camp and later, at the end of the year, in one of the Hasansham camps 20 km to the east of Mosul with the French Red Cross and the Iraqi and Qatari Red Crescent.

In Lebanon: the Foundation supported Acted during the floods that struck the city of Tripoli.

In France: in the Grande-Synthe camp set up by MSF, the Foundation took charge of installing industrial units for treating textile items (sheets, tents, clothing, sleeping bags, etc.) to combat the scabies epidemics breaking out among the refugees.

More details on Veoliaforce missions on pages 14 and 15 and on www.fondation.veolia.com.

Location: Democratic Republic of the Congo
Grant: €550,000

THE COMBAT AGAINST CHOLERA

Since 2007, the Foundation has been engaged in a global strategy to combat the spread of cholera in the Democratic Republic of the Congo (RDC).

This waterborne disease, which provokes vomiting and acute diarrhea, is responsible for thousands of deaths every year. Studies financed by the Foundation in 2007 demonstrated the link between the outbreak and spread of cholera epidemics and lack of access to clean drinking water. They also identified eight cholera hotspots, mostly located alongside lakes, in the east of the RDC.

The findings led to the launch of a strategic national plan to eradicate cholera (2008-2012) by the Congolese Public Health Ministry with the support of the Foundation, entailing implementation of an approach covering health, water, hygiene and sanitation. Extended in 2012 through a multi-sector plan to eradicate cholera (PMSEC), this five-year program took on a new dimension in March 2016 with the assembly of representatives of RDC provinces. For three days, the Foundation brought together in Lubumbashi the provincial health ministers of North-Kivu, Maniema, South-Kivu, Haut-Lomami, Ituri, Tshopo, Tanganyika and Haut-Katanga. The participants unanimously validated the multi-sector approach of the PMSEC recommended by the Foundation and signed the Lubumbashi Declaration engaging them to adopt the national program in their provinces and mobilize the human, material and financial resources necessary to implement it.

In the field, in Kalémie, one of the original hotspots of the disease, the Foundation and its partner Solidarités International upgraded the hydraulic modelling of the clean water network,

integrating the works carried out since 2009 to improve access to water.

In Uvira, a program to improve access to water and hygiene financed by the Agence française de développement (AFD) and the European Union (EU) and carried out in partnership with the Congolese Regideso, is planning major water infrastructure rehabilitation and extension works. Stakeholders included the Congolese public authorities (Regideso, the Public Health Ministry), financial backers (AFD and the EU), scientific experts such as the London School of Hygiene and Tropical Medicine (LSHTM) and the Veolia Foundation, together with civil society actors (local and international NGOs). In 2016, calls for tender were launched to commence and ensure tracking of the works, carry out audits and start structuring the community fabric around the new water access points that will be provided.

Scientific monitoring work is also continuing: the Foundation is engaged in scientific assessment of this approach via a study that aims to measure its impact on cholera cases throughout the span of the project. A Veoliaforce mission in the field made it possible to carry out the first analyses of drinking water in 500 households, and the first steering committee bringing together AFD, the EU, Regideso, the Congolese Ministry of Public Health, Oxfam and the LSHTM was held in Kinshasa in the spring for effective launch of the project impact study.





Location: Republic of Guinea
Sponsor: Pierre Ascencio
Grant: €20,000

SERVICE NATIONAL DES POINTS D'EAU (SNAPE)

Training staff in water
management

Locations: Baro (Kouroussa prefecture)
 and Banko (Dabola prefecture),
 Republic of Guinea
Sponsor: Pierre Ascencio
Grant: €299,000

ADED*

Developing water
networks in Guinea

In 2014, the Foundation signed a cooperation agreement with the Ministry of Energy and Hydraulics of the Republic of Guinea, which provides for support in the form of expertise, funding and training for SNAPE, the national water points service, an establishment attached to the Ministry, which is responsible for developing supply of clean water to rural and semi-urban populations.

This agreement took on concrete form in 2015 and led to several programs being initiated. In the Kérouané prefecture in the east of the country, water supply equipment powered by solar parks were built in 2015 in the towns of Komodou and Sibiribaro. In 2016, with Aded, a sustainable development nonprofit, the Foundation committed to supporting two new solar-energy-powered water supply projects in the center of the country, in the rural municipalities of Baro (Kouroussa prefecture) and Banko (Dabola prefecture). This strengthening of infrastructure will allow give thousands of Guinean inhabitants access to quality drinking water.

** Association pour un développement durable*

In Guinea, the Foundation supports water supply projects but goes further than simple technical assistance.

It plans to support the country's national water points service (SNAPE) to boost the skills of its staff. The Foundation is currently working on training modules in management of hydraulic projects in rural and semi-urban environments. They will focus on monitoring worksites and maintenance of the infrastructure: drilling,

design of pumps and reservoirs, electrification (pumping tests, TMH, rating, etc.). SNAPE's staff may also be trained in worksite supervision, project management, safety, installation of piping and pressurization tests. Administrative aspects could also be dealt with. The objective is to boost the expertise of SNAPE, a crucial component of the public water service in Guinea.



Location: Republic of Guinea
Sponsor: Thierry Vandeveld
Grant: €30,000

UNICEF WEST AND CENTRAL AFRICA REGIONAL OFFICE

Assessing initiatives in the combat against cholera

Unicef, the UN agency responsible for child protection but also for coordinating the water, sanitation and hygiene cluster (WASH), will, with the support of the Foundation, be studying the impact of development of water, hygiene and sanitation services on cholera epidemics.

Two successive studies look at the programs carried out in the Republic of Guinea in communities regularly hit by the disease. The methodology used is that of a similar project conducted by Unicef in Niger, and aims to analyze the cost/benefit and cost/efficacy ratios of actions undertaken to improve prevention and control of cholera on the national level. The studies conducted in Niger and Guinea are part of the program of actions of the WHO's Global Task Force on Cholera Control* (GTFCC), in which the Foundation participates.

** Special worldwide group for combating cholera*



Location: Gamia, Benin
Sponsor: Sylvie Petit
Grant: €10,000

BORONU FRANCE-BÉNIN

Water for Bembéréké

Boronu France-Bénin is a nonprofit set up in 2011 with the aim of supporting the municipality of Bembéréké, located in the north-east of Benin. It carries out actions of benefit to the population to improve teaching conditions and facilitate access to water.

In the district of Gamia, the population does not have access to an adequate water supply system, forcing residents to use water from backwater ponds and traditional wells. Women, usually responsible for collecting water, are the most affected by this situation. The Foundation is supporting the nonprofit to dig a well and install a manually powered pump in this village located a few kilometers from Bembéréké. Installation of this new infrastructure will be accompanied by creation of management associations to perpetuate its operation and, in the near future, set up other pumping and distribution points.

INDE-ESPOIR

Construction of toilet blocks in a primary school catering for 500 children from the untouchable caste (dalits) or non-caste tribes.

Location: Suntikoppa, State of Karnataka, India
Sponsor: Helman le Pas de Sécheval
Grant: €5,000

MATINS DU SOLEIL

Works to upgrade five existing wells, installation of pumps to improve water supply for inhabitants and their herds, and Californian-type irrigation networks for market gardening.

Location: between Agadez and Ifrouane, Niger
Sponsor: Patrice Fonlladosa
Grant: €20,000

SAME*

Testing a new system of solar-powered electro-chlorination in a rural area and a water filtration unit prototype for families.

** Society of American Military Engineers*

Location: rural area, Uganda
Sponsor: William Naughton
Grant: €22,000

NANOÉ DÉVELOPPEMENT

Electricity for all
in rural areas

Location: Diana region, Madagascar
Sponsor: Philippe Bloch
Grant: €40,000

This nonprofit created by two young engineers specializing in electrical energy, aims to design, test and promote a new model of decentralized electrification – nano-networks – in the developing countries. These nano-networks powered by solar energy supply electricity to five or six households, which purchase a quantity of energy in advance by mobile phone through a secure platform. The electricity supplied to each household can be used to power two or three LED light bulbs and charge small electrical/electronic devices, such as telephones. To roll out and maintain the networks, Nanoé will train and rely on small local entrepreneurs known as “nano-entrepreneurs”. The Foundation is helping Nanoé trial this new technology in the north-west of Madagascar, which has one of the lowest rates of electrification in the world.



FUNDEBIEN*

A therapeutic center
with an autonomous
water supply

Location: San José de Baca, Yucatán, Mexico
Sponsor: David Colon
Grant: €70,000

The Fundebien foundation was born at the Hacienda San José de Baca, near Mérida, in the Yucatán, where it has a 20-hectare natural site. It set up a rehabilitation center on this land which in ten years has supported almost 4,000 patients suffering from cancer, thanks to natural therapies that foster physical and psychological therapies alongside their conventional treatment. Fundebien, which is committed to sustainable

development, uses solar energy to power its installations. With the support of the Foundation, it will be building a pumping and water treatment station using underground water from cenotes (natural wells dug under the site) and a distribution network for the hacienda to ensure autonomous supply of water for all its domestic uses. The station will also be designed to provide bottled water for the local area.

** Fundación para el bienestar natural*

ADESAF*

Rehabilitation of infrastructure (latrines and drinking water system) for a secondary school in the Republic of the Congo to improve the health of students and teachers.

** Association pour le développement économique et social en Afrique*

Location: Boko, Republic of the Congo
Sponsor: Christine de Villiers de la Noue
Grant: €5,000

FERDI*

Participation in creation of an information bank recording decentralized electrification initiatives in rural and peri-urban areas for consultation by sector players throughout the world.

** Fondation pour les études et recherches sur le développement international*

Location: Clermont-Ferrand, Puy-de-Dôme, France
Sponsor: Nicolas Renard
Grant: €15,000

NIRINA

Construction of a water supply system to provide clean water for 1,000 inhabitants of a Madagascan village.

Location: Miarinarivo, Madagascar
Sponsor: Rémy Normand
Grant: €7,000

ASSOPROJECTION

Upgrading the capacities of manual cesspool clearers in Ouagadougou to improve their working conditions and develop their economic activity.

Location: Ouagadougou, Burkina Faso
Sponsor: Patrice Fonlladosa
Grant: €20,000

April 2016

ECUADOR

Veoliaforce intervention following the earthquake

A 7.8-magnitude earthquake struck the Pacific coast of Ecuador in April, causing considerable material damage and injuries.

At the request of the French Foreign Affairs Ministry, the Foundation mobilized in the first few hours after the earthquake by sending several treatment units and a team of Foundation engineers to accompany 30 Civil Security army personnel specializing in water treatment. With the help of 50 volunteers from Interagua, Veolia's Ecuadorian subsidiary,

Veoliaforce installed two Aquaforce 500 units and one Aquaforce 5000 unit in the municipality of Calceta, six hours by road from Guayaquil in the province of Manabi. An Aquaforce 5000 unit was also installed in Chone, a neighboring municipality, where the Foundation's engineers took over from the French military team. The Interagua volunteers, supervised by the Veoliaforce experts, relayed each other for several weeks to supply clean drinking water for more than 20,000 earthquake victims.



October 2016

HAITI

Supplying water for victims of the cyclone

After the devastation left by Cyclone Matthew, the Foundation mobilized to supply clean water for thousands of people living in the south-west region of the island, the most hard-hit by the disaster.

In liaison with the French Foreign Affairs Ministry (MAE), the Haitian authorities and the NGO Acted, the Foundation sent six mobile Aquaforce 500 water treatment units together with the storage equipment required to treat the water for consumption and combat the spread of cholera. A team of Veoliaforce volunteers took delivery of the equipment in Port-au-Prince and organized its transfer to the priority locations identified by the United Nations humanitarian coordination team and the Haitian water and sanitation directorate. Veoliaforce trained members of Acted on the ground in installation, use and maintenance of the equipment.



GREECE

Water for migrants

May to July 2016

Thousands of migrants from Syria, Afghanistan and Iraq fleeing conflict zones and trying to reach Europe have headed to Greece, gateway to the Balkans route. They are housed in some 20 camps managed by the army with the help of numerous NGOs, where they have limited access to healthcare, clean water and hygiene facilities. The French Red Cross, which works in several of these camps, asked the Foundation to improve water supply and sanitation in the Ritsona camp in the north of Athens. Veoliaforce volunteers installed an Aquaforce 5000 treatment unit to supply clean water to the refugees. At the request of the MAE, the Foundation is also carrying out a mission on the island of Chios, which houses 3,500 migrants, to assess water needs and support the town hall and the municipal water authority.



IRAQ

June 2016

Continuing support for the Bardarash refugees

For the third year running, the Foundation intervened, at the request of the French Foreign Affairs Ministry, in the Bardarash camp in Iraqi Kurdistan. This camp houses 8,000 people from the Shabak Muslim ethnic minority native to the plains of Nineveh and persecuted by Daesh. The Foundation supported the action of

the NGO Première Urgence Internationale by sending two volunteer experts to improve management of the water supply in the camp and secure it by installing a reliable chlorination system. Veoliaforce volunteers also trained the team of local technicians in use and maintenance of the system.

December 2016

IRAQ

Intervention in the Khazer 2 camp

Since the beginning of the Iraqi military offensive against Daesh last October, more than 100,000 people have fled Mosul and the surrounding area. These refugees are accommodated in several camps in Hasansham, including the new Khazer 2 camp, which will house 8,000 families. The Foundation is supporting the French Red Cross and the Qatari and Iraqi Red Crescent to provide clean water for this new camp, located 20 km east of Mosul. Veoliaforce has installed a drinking water production station in the camp with the capacity to provide 20 liters of water per day for 40,000 people. The volunteers have also trained a team of technicians that will handle maintenance of the installations.





ANOTHER
LOOK AT

MÉDECINS DU MONDE

Protecting WEEE
recyclers in Manila

Millions of discarded electronic devices and electrical appliances and equipment exported to Manila have created a WEEE market and are recycled by an informal economy. Médecins du Monde and the Foundation have joined forces to mitigate the risks of this dismantling work for the recyclers.

Poor workers extract recyclable metals – copper, gold, lead – from the objects and sell them to neighborhood wholesalers (junk shops), which sell them on to regional wholesalers that then export them to countries where these metals are used as a secondary raw material.

First step in the partnership between an NGO and a private group

In 2012, Médecins du Monde requested Veolia's help, via its Foundation, for an exploratory mission on waste recycling in Manila. The focus was on WEEE and Veolia brought the expertise of its specialized subsidiary Triade Électronique. Médecins du Monde and Veolia identify the risks associated with the dismantlers' practices: mechanical risks (cuts, projection of metal fragments), risks of direct contamination (absorption of lead) or indirect contamination from environmental pollution due to leaching of metals. This mission was the first step in an innovative collaboration between an NGO and a private foundation. Their shared goal? To mitigate the health and environmental consequences of informal dismantling of WEEE in Manila. Médecins du Monde brings its on-the-ground knowledge and its aura with local health authorities; Veolia brings its knowledge of high-risk practices in dismantling WEEE and its solutions: information messages and personal protection equipment.

Structuring, information, improving safety

The two partners identified the location for its action: four barangays⁽¹⁾ in Manila where most of the dismantlers live. Médecins du Monde initiated creation of four associations representing these informal workers. Dissemination of prevention messages was greatly facilitated by this new organizational framework. The Foundation volunteers structured the messages in five modules, transmitted by Médecins du Monde to the dismantler communities and local health authorities. This information is the preliminary condition for changing everyday practices. The Foundation finances the protective equipment: gloves, goggles, oversleeves, etc. Four safe dismantling areas (or SDAs) were set up – previously this work was carried out informally in the street.

⁽¹⁾ Administrative district.



Improving the health and environment of urban populations

In 2017, the situation of the dismantlers is beginning to change. A law being prepared in the Philippines will make informal dismantling illegal. The fall in raw material prices has made the activity less profitable: some dismantlers have turned to other sources of income. In this changing situation, Médecins du Monde and the Foundation envisage capitalizing on the work already done to launch another program focusing on the environment and health of Manila residents. The city, like all the big urban centers in developing countries, juxtaposes pockets of poverty and wealth. The infrastructure exists but the poorer populations do not have access to it. The same methodology will be applied: structuring in communities, which multiplies the impact of the actions conducted.

THE PROJECT IN FIGURES

766 dismantlers identified, of which 57% are members of an organization.

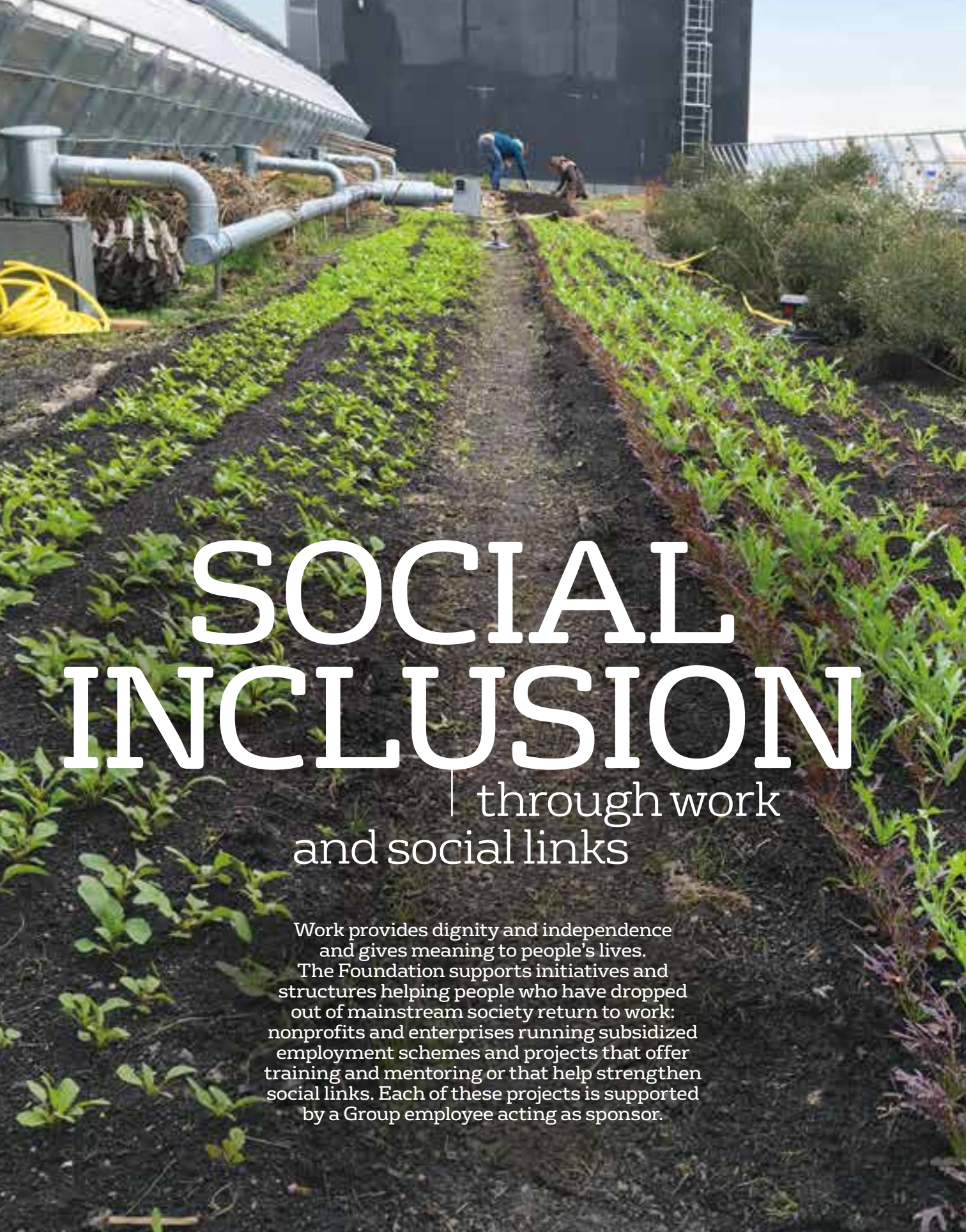
2,200 people affected by the project (dismantlers and their families).

3,584 pairs of gloves distributed.

5 training modules created and **508 sessions** conducted.

50 health workers trained.





SOCIAL INCLUSION

| through work
and social links

Work provides dignity and independence and gives meaning to people's lives. The Foundation supports initiatives and structures helping people who have dropped out of mainstream society return to work: nonprofits and enterprises running subsidized employment schemes and projects that offer training and mentoring or that help strengthen social links. Each of these projects is supported by a Group employee acting as sponsor.

Location: Aubervilliers,
Seine-Saint-Denis, France
Sponsors: Pauline Dumons,
Pierre de Vains
Grant: €150,000

ESPACES

Urban market gardening: a job with a future



Urban agriculture, a source of healthy food that creates back-to-work jobs: the Foundation believes in this model, tested through the CultiCime project. Some 2,000 sq. m. will eventually be cultivated on the roof of an Aubervilliers shopping center by employees on work-integration schemes.

CultiCime is led by the work-integration nonprofit Espaces with the help of Topager, a company specializing in design of urban gardens and vegetable gardens. The Foundation, Espaces and Topager are collaborating to create a new, profitable urban agriculture business model that can be reproduced and that also creates jobs. Topager operated a parcel on the roof of an Aubervilliers shopping center. This roof is located just 200 meters from the new Veolia head office. The Foundation is supporting Espaces' research-

action initiative for three years, with the help of Topager, to cultivate this land and make it profitable, while also creating jobs. Espaces coordinates the project and the human resources, while Topager provides agronomic expertise and monitors production. CultiCime's partners hope to reach breakeven before the three years are up.

First Aubervilliers salads sold in 2016

The area under cultivation will rise to 500 sq. m. in 2017 and 2,000 sq. m. in 2018. The produce is cultivated according to the principles of ecological farming: no chemical fertilizers, respect of biodiversity and biological interactions between the different plants. For urban agriculture to be profitable, it must focus on plants that do not travel well or that require a large harvesting workforce: salads, vegetables, aromatic plants, flowers, etc. The first salads were sold in October 2016 to Aubervilliers residents in an organic produce grocery and through a local nonprofit, Amap, which supports traditional small farming. Aubervilliers residents enthusiastically welcomed the initiative and appreciate the taste qualities of the produce.

High job creation potential in the Île-de-France region

For CultiCime, Espaces plans to create 12 full-time-equivalent work-integration jobs in three years: two in 2016, four in 2017 and six in 2018. This pilot project will make it possible to define the particularities of the job of "urban market gardener" and formulate a suitable training program. This job has high growth potential given the desire of the City of Paris to set aside 30 hectares of land for urban agriculture. In 2017, 5.5 hectares were already being cultivated by the 33 winners of the "Parisculteurs" operation. In the longer term, 1,800 jobs could be created within the scope of Parisculteurs, and many more over the whole of the Île-de-France region.

Location: Bonneuil-sur-Marne, Val-de-Marne, France
Sponsor: Ludovic Chauveau
Grant: €90,000

ATELIERS SANS FRONTIÈRES

A second life
for computers

Veolia periodically renews its computer base and, with the Foundation, sought a socially inclusive way of re-using the IT hardware the company no longer needed, much of which was still in good working order. To find a new life for these PCs, the Foundation entrusted Ateliers sans frontières (ASF), a subsidiary of the Ares work-integration group that specializes in WEEE recycling, with the task of finding a solution. Where possible, the computers were refurbished: deletion of existing data, repair if necessary, installation of an operating system and an office automation software suite. The remaining hardware is dismantled under optimal safety conditions. Over a period of three years, 500 computers a year will be processed by ASF's workshops, then delivered, with the Foundation's help, to nonprofits that need them, first of all in Madagascar, a country that suffers from a serious lag in the education sector. In 2016, the first contingent of computers was made available to the Madagascar nonprofit Opta, to equip three technical education establishments and several professional training nonprofits working with women and young rural inhabitants. This initiative has a dual social impact: it provides work for people on the outer fringes of the job market and also benefits people with no access to digital technology.



Location: Plaine Commune,
Seine-Saint-Denis, France
Sponsor: Jean-Marie Lambert
Grant: €150,000

PHILHARMONIE DE PARIS

Démos recreates
social links

Democratization of access to music is a priority for the new Philharmonie de Paris.

With the Démos program, the public institution creates orchestras with young people from disadvantaged neighborhoods. Démos associates professional musicians and social workers, requires no prior musical training and is based on collective learning. It gives children in disadvantaged neighborhoods access to classical music through learning to play a musical instrument for four hours a week. Several times a year, the children, aged from 7 to 14, play the great classics (Mozart, Verdi, Wagner, etc.)

in concerts in Paris concert halls. More than providing access to classical music, Démos gives these children the opportunity to develop the qualities required for community living through collective learning: listening to others, sharing, respect, discipline. Its goal is to recreate social links in the places where they are under pressure. The project also provides workshops for parents so that music and culture become part of families' everyday life. The Foundation is contributing to the development of Démos by co-funding a new children's orchestra in Plaine Commune.

Location: Aubervilliers,
Seine-Saint-Denis, France
Grant: €50,000

CITÉ SOLIDAIRE /

Acting for local solidarity

The Veolia Foundation has joined forces with the Fondation Vinci pour la Cité to launch Cité Solidaire, a program that supports nonprofits in Aubervilliers that foster social links and neighborhood outreach.

This program is based on three pillars:

- **a town:** Cité Solidaire focuses its financial assistance on areas defined as a function of their social nature and non-profit dynamics;
- **neighborhood associations:** the program reaches out to nonprofits in the town whose actions directly benefit inhabitants of the neighborhood in which they are set up;
- **employee involvement:** Cité Solidaire mobilizes employees of the company to contribute their skills to the projects supported. A call for projects was organized with the municipal services, together with a call for sponsors addressed to the employees of the two companies. Then, after examination of the projects by the two foundations' teams, a joint selection committee chose 16 projects. The prize-winners received a check to support their activities during a ceremony organized with the town hall bringing together the nonprofits and their sponsors, on February 21, 2017.

The prize-winning projects

Educational workshops, homework clubs, introduction to digital technologies, literacy classes:

- Association solidarité emploi d'Aubervilliers
- Association d'aide culturelle et sociale de la Seine-Saint-Denis
- De L'Autre Côté

Education and cultural events, integration through sport and culture:

- Atelier Kuso
- Aubercail
- AS Productions
- École des Actes
- Société de l'Histoire et de la Vie d'Aubervilliers
- Totof Muay Thai

Environment, solidarity, social links:

- Indans'cité
- Épicéas
- Landykadi
- Rires d'enfants
- Maïda pour tous
- Une oasis dans la ville – Autour de vous
- AVEC/Grand Bouillon

By combining the skills of Veolia and Vinci employees with local initiatives to promote social links and inclusion, Cité Solidaire offers a new bridge between the business world and city stakeholders.



Location: Paris, France
Sponsor: Christine Rodwell
Grant: €150,000

APCDS*/LULU DANS MA RUE

Soon five more kiosks
in Paris

“Lulu dans ma rue” recruits people on the fringes of mainstream society to offer personal services to other residents of a neighborhood: DIY jobs, deliveries, handling, pet-sitting, IT assistance, housework, etc. All these services are available from a neighborhood conciergerie installed in a kiosk, coupled with a web platform to organize contact between suppliers and customers. The first kiosk opened near the Saint-Paul metro station in 2015 and the second, at end 2016, near the Villiers metro station. To date, almost 15,200 services have been provided in Paris to 8,500 customers. A little over 100 “Lulus”, selected for their human qualities, are operating in Paris. The service enables them to generate a modest income, while also creating relations of trust with neighborhood residents. The Foundation has supported the project from the ideas stage in 2014 and is supporting its development.

The next goal: six kiosks in Paris in 2017.

** Association de préfiguration du comptoir des services*



Location: Bordeaux, Gironde, France
Sponsor: Bertrand Auneau
Grant: €20,000

CONCIERGERIE SOLIDAIRE

A recycling shop in
the heart of Bordeaux

The Conciergerie Solidaire, a Bordeaux-based work integration enterprise created in 2010, offers concierge services to companies in the Ginko eco-district in Bordeaux.

Associated with La Poste, the French Post Office, and Recyclage & Valorisation, Veolia's waste division, it will be opening a multi-service space dedicated to the circular economy with the help of the Foundation. This space will provide residents and shopkeepers with a

neighborhood concierge service, a depot for recyclable materials (paper, cardboard, plastic, various household objects suitable for re-use, spent ink cartridges, small furniture, clothing, etc.), workshops on eco-friendly practices run by local nonprofits: avoiding food waste, repair of objects, upcycling, etc. Lastly, a “starter boutique” will enable inclusive economy entrepreneurs to test their products or services.



Location: Paris, France
Sponsor: Boris Efremenko
Grant: €20,000

TRAVAIL ET VIE

A laundry for moving
back into
mainstream society

Since 1981, Travail et Vie has been helping people on the outer fringes of the labor market move back into mainstream society. It has set up a semi-industrial laundry employing 10 or so women to launder, iron and package household linen (sheets, blankets, duvet covers, bath towels, etc.). Its clientele consists of accommodation centers, hotels, residences, restaurants and crèches, in Paris and the nearby suburbs. With the help of the Foundation, Travail et Vie was able to purchase a new roller-folder-drying machine enabling it to handle larger quantities of linen and replace defective equipment. The investment has consolidated its economic activity and the enterprise can now take on new customers.

Location: New Delhi, India
Sponsor: Mélanie Grignon
Grant: €10,000

LP4Y*

Entrepreneurship
to escape
homelessness

** Life Project for Youth*

Life Project 4 Youth (LP4Y) focuses on social and professional integration for young adults aged 17 to 24 living in extremely precarious conditions.

Close to the shanty towns, LP4Y has set up incubators for entrepreneurial micro-projects. These Life Project Centers offer the young people they welcome an eighteen month coaching program devoted to developing and managing a chosen economic micro-project, while also offering remedial education and personal development mentoring. After having supported the opening of a Life Project Center in the Chetla shanty town in Calcutta, the Foundation is helping renovate the Pahar Ganj center in New Delhi.

Location: Tournon-sur-Rhône, Ardèche, France
Sponsor: Bruno Bertini
Grant: €20,000

TREMLIN INSERTION CHANTIERS

Resource center
and paper collection

The work-integration group Tremplin, which specializes in “green” jobs, has been active in Ardèche and the Drôme regions since 1988. Its 30 or so permanent staff support more than 650 employees on work-integration schemes. Tremplin recently diversified its activities by opening resource centers. The last one opened its doors with

the help of the Foundation in Tournon-sur-Rhône, in a 300 sq. m. building that serves as a depot and sorting center for the bulky items collected and for renovating items that can be recycled. On this site, Tremplin is creating another 10 or so back-to-work jobs and developing a new activity: collection of office waste, notably paper.



CRÉAQUARTIER

Coaching program combining professional immersion, introduction to entrepreneurship and personal development workshops for young people who have dropped out of school.

Location: Paris, France
Sponsor: Sonia Ouldali
Grant: €12,000

ACCORD'HEURES

Creation of a service exchange center for private individuals with no financial component.

Location: Allevard, Isère, France
Sponsor: Philippe Langenieux-Villard
Grant: €10,000

VEGA

Training for employees of a work-integration enterprise in the Var department specializing in upkeep of green and forested spaces, use of thermal equipment and introduction to IT.

Location: Toulon, Var, France
Sponsor: Laurent Breissand
Grant: €10,000

INITIATIVES SOLIDAIRES

Equipment for the wood workshop of an integration nonprofit specializing in upcycling activities.

Location: Aubervilliers, Seine-Saint-Denis, France
Sponsor: Dominique Boizeau
Grant: €10,000



ANOTHER
LOOK AT

ADIE

Company creation in disadvantaged neighborhoods

The Foundation, which shares Adie's values of social innovation and entrepreneurship, has been supporting this nonprofit since 2006. The two partners have deployed new solutions to support company creators and help them put their activity on a solid footing.



Nathalie Huon,
CréaJeunes contact and
credit advisor at Adie

“Micro-credit to create your own company”: this is the slogan of Adie, founded in 1989 by Marie Nowak, which militates for the right to economic initiative. Adie helps people on the outer fringes of the job market and without access to bank credit to set up their own company, thanks to a small loan associated with professional counselling. A look at the flagship projects put in place thanks to the Foundation’s partnerships with Adie.

Adie Advisory Centers for training and networking (2006-2009). With the help of the Foundation, Adie set up an advisory center in Garges-lès-Gonesse (Val-d’Oise). These centers are a venue for training organized around three services: “I formulate my project”, “I start up my activity”, “I develop my company”. After this first involvement, the Foundation participated in opening or upgrading some 15 other sites in the provinces and in the Paris region.

Adie Connect and inclusive micro-franchises (2010-2012). The Adie Connect micro-credit and online consulting site supplements the physical centers. In parallel, Adie launched its inclusive micro-franchises: local activity networks for neighborhood entrepreneurs who do not want to go it alone. The Foundation supported creation of the Chauffeur&Go micro-franchise for drivers who do not have their own car.

Supporting 100 young company creators (2013-2015). In 2007, Adie launched the CréaJeunes program to bolster its action with people in the 18-32 age bracket. They benefit from free workshops, individual mentoring to put their project into practice, and networking actions. Through CréaJeunes, the Foundation supported 100 young people from disadvantaged neighborhoods in Île-de-France in their quest to create a company.

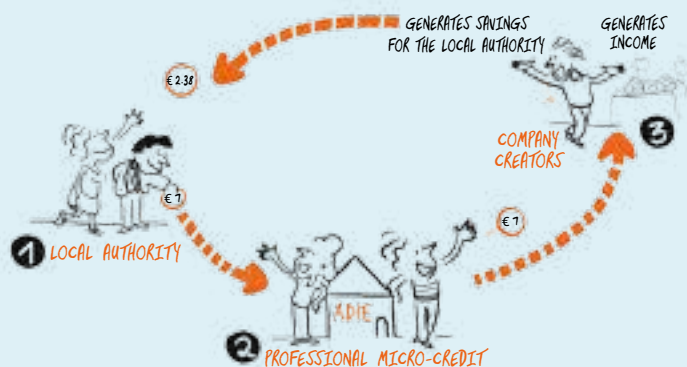
Some 75 new companies in the Plaine Commune area (2016-2018). The Foundation focuses its support in the Plaine Commune area (Seine-Saint-Denis), where Veolia has installed its Aubervilliers head office. Young people living in Aubervilliers or neighboring municipalities benefit from special support to create their company: they have access to Adie’s micro-credit facility and coaching for up to four years if necessary. Veolia employees are asked to get involved by mentoring the young people. Adie hopes to create 75 companies and almost 100 jobs in three years.

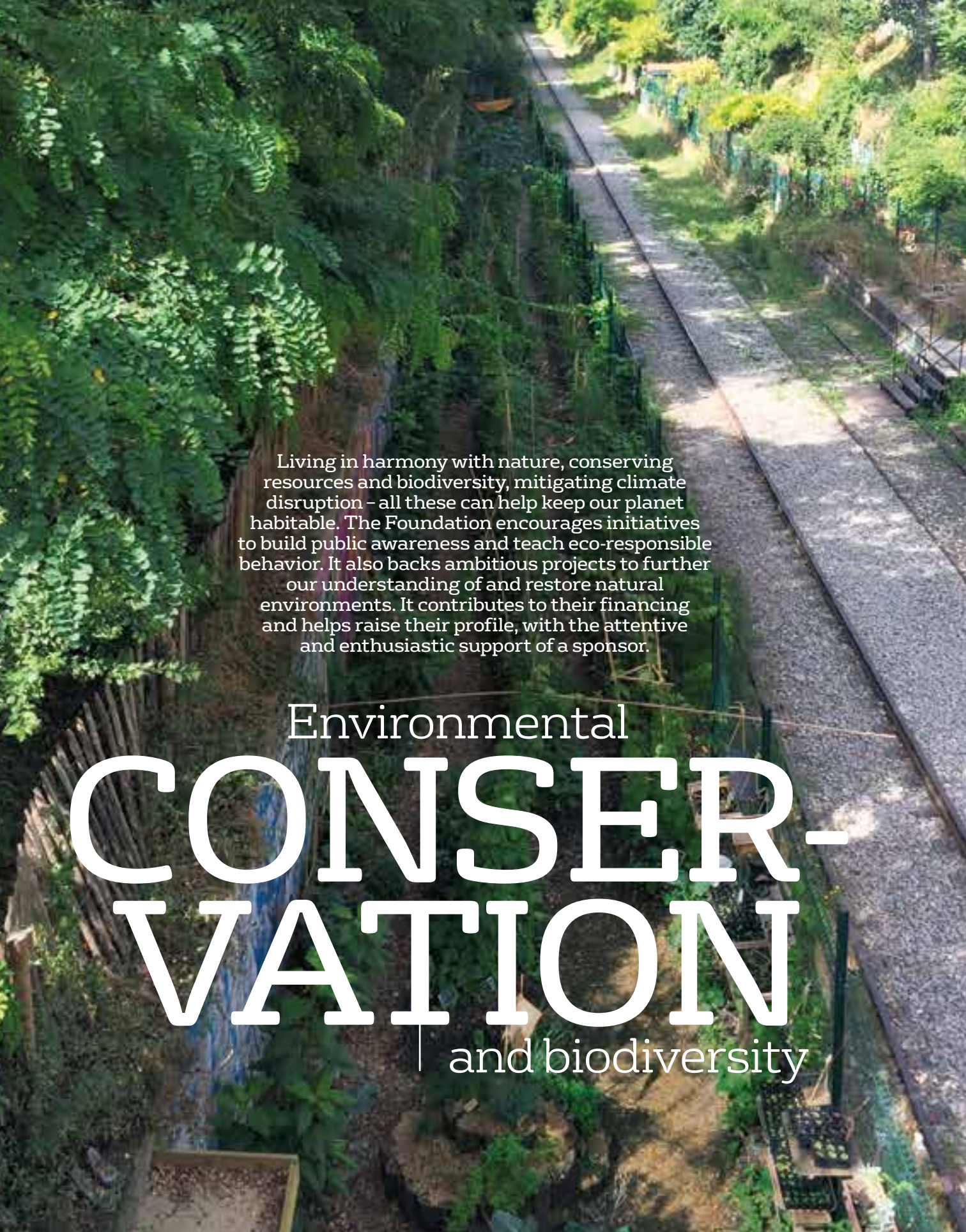
All the young people launching a project in Plaine Commune with funding from Adie are covered by the partnership with the Foundation. We offer them several counselling sessions with volunteers who provide administrative, commercial, legal and accounting advice at given times. The volunteers teach them to handle these tasks themselves and become independent. We have already given financial support to 50 young people in Plaine Commune this year. Many of them have university diplomas but have to make do with low-skilled jobs even though they have

good ideas. When they create their company, some of them continue to hold down a part-time job for greater financial security. After seventeen years with Adie, I very much admire the commitment of these company creators, who are prepared to work hard to make their activity a success. Even if they don’t manage to put the company on a permanent footing, their efforts give them a new dynamism and they go on to find salaried employment more suited to their skills. Whatever the upshot, company creation is a tool for integration.

THE BENEFITS OF INTEGRATION

A KPMG study in 2015 calculated the costs avoided and the benefits generated by **Adie’s action**, by comparing them with the cost assumed by public and private financial backers: **1 euro** invested in professional micro-credit is amortized in fourteen months and generates **2.38 euros** in two years.



An aerial photograph of a lush green urban garden. A wide, light-colored gravel path runs diagonally from the top right towards the bottom center. To the left of the path, there are dense green trees and foliage. To the right, there are various garden beds, some with wooden planters, and a small set of wooden stairs leading down. The overall scene is vibrant and green, suggesting a well-maintained urban space.

Living in harmony with nature, conserving resources and biodiversity, mitigating climate disruption – all these can help keep our planet habitable. The Foundation encourages initiatives to build public awareness and teach eco-responsible behavior. It also backs ambitious projects to further our understanding of and restore natural environments. It contributes to their financing and helps raise their profile, with the attentive and enthusiastic support of a sponsor.

Environmental

CONSER- VATION

| and biodiversity

Location: Paris, France
Sponsor: Fanny Demulier
Grant: €30,000

LES AMIS RECYCLEURS

Sharing the solutions
of tomorrow



With “L’Europe des possibles” (possibilities for Europe), the REcyclerie encourages circulation of the best ideas put into practice by our neighbors. For ten months, some 100 events were organized to allow people to exchange ideas and promote a more responsible economy, thanks in particular to the circular economy.

The REcyclerie, a café-canteen, urban farm, collaborative repair workshop and resource and learning center, is a multi-faceted project inspired by eco-responsibility. Opened in Paris in June 2014 in the former Boulevard-Ornano station in the inner ring of suburbs, it brings together a wide array of stakeholders (students, start-ups, local authorities, nonprofits, artists, etc.) and organizes events, such

as the REcyclerie Christmas market, the Emmaüs sale-by-weight market, a bike ride on the inner ring road and numerous conferences.

In 2016, with the “L’Europe des possibles” program supported by the Foundation as part of its mission to build public awareness and educate people about environmental conservation, the REcyclerie is taking note of the sustainable initiatives of our European neighbors. Every month, the center’s leaders invite people to discover a country or city with the aim of creating a genuine laboratory of ideas and sharing its discoveries with the public. Through workshops, meetings, evening events, breakfast meetings and conferences, prestigious personalities are invited to share a positive experience. These meetings have showcased new systems (local currency, teaching tools), citizen movements (solidarity, sharing, action, networks), places (urban farm, art in urban wastelands, shared spaces) or green business initiatives (digital tools, start-ups, entrepreneurs, new business models).

Among the events proposed, Circular Conferences (2C) have been regularly organized with the support of the Foundation. The goal was to create a network of activist students to understand the keys to more responsible development thanks to the circular economy. On this point, the Foundation secured the support of several partners (the Ellen MacArthur Foundation, the École des Ponts ParisTech, the Institute for the circular economy and the young people’s network CliMates) to tackle the theme through an educational approach animated by curiosity. Discover extraction of precious metals from street dust in London, understand how coffee grounds can produce steam and reduce consumption of natural gas for coffee-roasters, observe the way an Olympic pool in Marseille can be heated while emitting less carbon dioxide – there was no lack of interesting topics.

Location: Marseille,
Bouches-du-Rhône, France
Sponsor: Frédéric Clément
Grant: €10,000

COLINÉO

Exchanges and Sharing in the Garden

Faithful to its motto “Act, Preserve, Educate”, the nonprofit Colinéo has been active in conservation and upgrading of natural spaces, notably in the Bouches-du-Rhône and Var departments, since 1973. Its goals are to ensure preservation of biodiversity (heritage orchards and vegetable gardens) and promote sustainable development (management of energy, waste, water resources). In its “nature workshops”, the nonprofit reaches out to different groups through collective actions related to a community-based project: upkeep of green spaces on the site, planting herb gardens, harvesting fruit from the orchards. To build greater public awareness, Colinéo has set up the “Exchanges and Sharing in the Garden” project aimed at bringing together people from all backgrounds, including many people with social difficulties, and the nonprofit’s volunteers, in the framework of nature workshops. The Foundation’s support enabled Colinéo to acquire public reception and safety equipment on the site in order to develop its activities and reach out to a more varied public.



Location: France
Sponsor: Isabelle Hellio
Grant: €40,000

UNIS-CITÉ

Médiaterre: all eco-citizens!

The nonprofit Unis-Cité, created in 1995, gives young people from 18 to 25 the opportunity to carry out voluntary civic service in initiatives of community interest. In 2009, Unis-Cité launched the Médiaterre program aimed at raising awareness of ecology among families living in disadvantaged neighborhoods. Young volunteers performing civic service help low-income families adopt eco-friendly practices to change their behavior and make real savings. The Foundation supported the experimental

phase of the project and subsequently its deployment over the next few years, primarily in the Hauts-de-France, Île-de-France and Lyon regions, with the assistance of the campuses and regional offices. In 2016, the Foundation’s support enabled Médiaterre to expand its activities to Montpellier and Lille, ensure national coordination of the program and set up the “SuLiTest”, a professional test aimed at certifying the skills and know-how developed by the young volunteers.

UICN*

A “red list” of ecosystems

Location: France
Sponsor: Michel Mori
Grant: €40,000



Location: World
Sponsor: Coline Jacobs
Grant: €25,000

UVED*

Democratizing scientific knowledge

UVED, one of the seven theme-based digital universities supported by the French Ministry of Education, Higher Education and Research, is producing a new MOOC (Massive Open Online Course) on ecological engineering. This five-week training module produced by scientific experts is addressed to any citizen keen, through his or her activities, to contribute to better

conservation and enhancement of ecosystems. After supporting production of MOOCs on “biodiversity” and “the causes and challenges of climate change” in which Veolia experts participated, the Foundation is renewing its engagement with this virtual university for the environment and sustainable development.

** Université virtuelle environnement et développement durable*



Location: La Londe-les-Maures, Var, France
Sponsor: Vincent Cot
Grant: €15,000

CASQUES VERTS

Healing the Earth

Initially dedicated to the combat against forest fires, the Casques Verts (green helmets), a nonprofit created in south-east France in 1987, has gradually broadened its actions to flood prevention and “healing the environment” after fires. The Foundation’s support enabled the Casques Verts to take action in the municipality of La Londe-les-Maures, devastated by serious flooding in November 2014, by strengthening the banks of its river, the Pansard, thanks to a geo-net and a revegetalization process.

FONDATION

Albert II de Monaco

Animated by the same desire to promote environmental conservation, the Veolia and Prince Albert II de Monaco (FPA2) foundations have been working together for several years to build public stakeholders' awareness of environmental issues.

Location: Mediterranean basin
Sponsor: Joël Gentil
Grant: €150,000 over three years

BEMED

Protecting the Mediterranean basin

In March 2015, a conference brought together in Monaco the main players in the plastics industry (industrialists, including Veolia representatives, scientists, and NGOs) to commit to concrete actions against the impact of the proliferation of plastic waste in the Mediterranean. This conference, entitled "Beyond Plastic Med", gave birth to BeMed, a call for micro-initiatives launched in June 2016 and designed to encourage on-the-ground solutions to combat plastic waste around the Mediterranean basin.

Location: World
Sponsor: Coline Jacobs
Grant: €60,000

OCEAN SOLUTIONS INITIATIVES

Promoting the cause of the oceans

Upstream of COP21, researchers mobilized to alert international policy-makers to the role of oceans in the climate issue. The Veolia Foundation joined forces with FPA2 to allow this movement initiated in 2015 and now known as "Ocean Solutions Initiatives" to present its recommendations and final output (films, publications, conferences) to the scientific community – but also the general public – at an "Ocean-Climate" conference in Monaco in June 2017.





Location: French-speaking world
Sponsor: Fanny Demulier

PRIX DU LIVRE ENVIRONNEMENT

Reading to awaken people's consciences

Every year since 2006, the Foundation awards the Environment Book Prize to a work intended to raise general public awareness of major environment issues.

The jury, chaired by Roselyne Bachelot, former Ecology Minister, named the winners of the 2016 Environment Book Prize in November, during the Brive Book Fair. Dominique Joly, Denis Faure and Sylvie Salameitou, researchers from the CNRS*, the French center for scientific research, were awarded the prize for the book *Empreinte du vivant, l'ADN de l'environnement*, published by Cherche Midi. This work invites us to discover the fast-developing scientific field of environmental genomics. Through the study of soils, water and the atmosphere, this new discipline enables us to find genetic material capable of delivering information on living organisms and those that lived thousands of years ago. Specialists in all the disciplines from CNRS laboratories

and their partners draw up a panorama of current works and outline new avenues for research in the coming years. The 2016 young readers prize was awarded to Jacqueline Farmer, Jean-Marc Hovasse and Emmanuelle Martin for their book *Ouragan, l'Odyssée d'un vent*, published by Actes Sud Junior. Inspired by the documentary *Hurricane* from which it reproduces some impressive images, this work follows the dramatic development of a storm: it recounts the birth of a wind, the growth of a tropical storm, the life and death of a hurricane. Illustrated by the words of the poet Victor Hugo, this book is dedicated to observation and understanding of this destructive climate phenomenon, which human beings can do nothing to prevent.

* Centre national de la recherche scientifique

IDS*/PAGABAGS

Continued development of an ecological, fair-trade activity based on production of fashion articles from recycled plastic bag by women in Burkina Faso.

* Initiatives de développement stratégique

Location: Ouagadougou, Burkina Faso
Sponsor: Boris Efremenko
Grant: €21,000

PARC NATUREL RÉGIONAL DE CAMARGUE

Ongoing marine reserve project in the Gulf of Beauduc in the Camargue natural park.

Locations: Camargue (France), Danube delta and Romania
Sponsor: Nils Fauchon
Grant: €16,200

UMIESS*/CNRS

Support for the activities of the International Man-Milieus Observatory of Tessékéré in Senegal (Great Green Wall project).

* Unité mixte internationale "Environnement, Santé et Société"

Location: Tessékéré, Senegal
Sponsor: Thierry Vandeveld
Grant: €30,000

RECYCLED MISSISSIPPI

Design of a program for raising awareness of pollution of the waters of the Mississippi by plastic waste.

Location: United States
Sponsor: Thierry Vandeveld
Grant: €30,000



ANOTHER
LOOK AT

REMORA

The story of an environmental reconquest

Three years after the Remora ecological restoration program was launched, the first signs of a return of aquatic fauna and flora are tangible in the harbor of Toulon, as the immersed artificial reefs become a habitat for fish and crustaceans.

At Cap Sicié, at the far end of the Toulon harbor, the wastewater issue had been a problem for decades. Construction of the Amphitria wastewater plant, in operation since 1997, led to some initial progress with restoration of a clean, sandy, bottom. But until a few months ago, aquatic life was still very impoverished. Remora, a system of artificial reefs to promote ecological restoration in an ocean milieu, was devised to remedy this problem, in response to a call from the Rhône-Méditerranée-Corse water agency to test conditions for a return of marine fauna and flora.

The artificial reefs designed were particularly innovative. Composed of light structures in fiber-glass and epoxy “rushes” organized in hedge, igloo, sea urchin and pyramid shapes, they were immersed in the harbor in April 2015. The brief was clear: to foster three essential functions – habitat, food and breeding – and allow aquatic fauna to reconquer the area. After observation of the initial status, two observation campaigns a year have been scheduled for five years to monitor revitalization of the seabed, improvement of ecological diversity and the structures’ sturdiness to the impact of currents and storms.

The first tangible results were observed in the spring of 2016. For the first of the three functions concerned, habitat, a definite improvement was found. The different immersed modules proved attractive to many fish, crustaceans and echinoderm species. Pioneer species had begun to colonize the reefs, forming an initial structured, pre-coral organization. The latest observation campaign also revealed the presence of squid, cuttlefish and labrus breeding, together with juvenile crustaceans, octopus and fish. This pilot operation is organized along the same lines as a research and development project and the scientific findings contribute to better knowledge of this type of endeavor. Remora was initially designed to test the possibility of recreating a functional ecosystem in an historically degraded environment. Its ambition has now widened with the emergence of the first signs of success: the program could become a model to be replicated outside Cap Sicié.



INNOVATION IN MONITORING WITH SCIRENA

To carry out the work of recording marine biodiversity vital to scientific monitoring of Remora, Oceanica Prod designed an innovative platform.

The nonprofit, which specializes in underwater videos, joined forces with the start-up Kalyzée to create a system – Scirena – for recognizing and counting underwater species. Tested

at Cap Sicié and supported by the Foundation, it films the underwater environment using two programmable cameras, one in ultra-high definition and the other in 360°. It then automatically identifies the species of fish and the number of individuals present thanks to image recognition software, providing extraordinary time savings for the researchers!

MORE INFORMATION

2 immersed reefs spanning 360 sq. m., each composed of **18 modules** in different geometric shapes.

2 observation campaigns a year over **5 years**



Location: World
Sponsor: Brigitte Durand
Grant: €30,000

ENCOURAGING STUDENT INITIATIVES

that serve the community

The Foundation is regularly asked to support student projects. To channel these requests and encourage the initiatives of student associations, the Foundation launched the Student Solidarity Award in 2008, in liaison with the Campus/Relations with schools and universities division. It rewards innovative outreach initiatives led by student associations in France and other parts of the world in one of the Foundation's three fields of action. For the 2016 edition, a special prize dedicated to the circular economy was awarded. The winners receive financial support and technical back-up in the form of skills provided by a Group employee acting as sponsor.



1st

PRIZE AND
CIRCULAR
ECONOMY
PRIZE



SMART CYCLE

An application for participative recycling

FRANCE. Created in 2015 by IAE students in Aix-en-Provence, Smart Cycle is a web and mobile platform for local inclusive recycling of urban waste. Thanks to a geolocation system, the application allows users to locate and recover discarded objects, thereby contributing to participative recycling and decluttering the streets.

Location: Marseille, Bouches-du-Rhône, France
Sponsor: Alain Staron

2nd

PRIZE

RISE*

Anti-arsenic household sand filters

CHINA. With RISE, students at the Tsinghua University Environment School wanted to provide a response to the environmental problems of rural areas in China. They developed anti-arsenic household sand filters in two villages in Shanxi province, where the water has a high level of arsenic.

** Rural International Student Exchange*

Locations: Liangjiabu and Zuojiabu, Shanxi province, China

Sponsor: Goulven Inial



3rd

EQUAL
PRIZE



SOLEM*

Improving access to healthcare

TOGO. This nonprofit was set up in 2005 by the Faculty of Medicine Paris-5 with the aim of improving treatment for pregnant women and access to biological analyses by building an extension to the public health center in the village of Segbé, in the south of Togo.

** Solidarité des étudiants en médecine*

Location: Segbé, Togo

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
Lumières d'Afrique

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Corporate Foundation

Governed by law no. 87-571 of July 23, 1987, amended.

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Chief editor: Dominique Boizeau
Design, artwork and production: 

Photos: Veolia photo library, the Foundation sponsors, Veoliaforce volunteers, non-profit organizations, Alexis Rosenfeld (cover), Christophe Majani d'Inguimbert (p. 3 and 4), Anna Surinyach (p. 4), Nick Owen (p. 8), Interagua (p. 14), Frédéric Plumas (p. 15), Clément Petit (p. 16), Lam Duc Hien (p. 17), Mehdi Nedellec (p. 24), EID Méditerranée (p. 29), Ramoge-Sandrine Agnelli (p. 30), Pierre Duffour/Andia (p. 31), Charlotte Blan (p. 32), Oceanica prod (p. 33).

Printed by Stipa.



To meet environmental concerns, this document was produced by an Imprim'Vert® printing company using plant-based inks on C-PER FSC®-certified paper, guaranteed ECF, neutral pH, without heavy metals, made from fibers sourced from responsibly managed forests.

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