



FONDATION
PHOSBOUCRAA

ANNUAL
REPORT
2021

THE YEAR
OF **SYNERGY** AND
CONVERGENCE





“ His Majesty King Mohammed VI, may God assist him ”

“

Excerpt from the speech addressed by his Majesty
the King Mohammed VI
 on occasion of the 46th anniversary of the Green March, *on the 6th*

“The positive developments with regard to the Sahara Question also reinforce the continuing development process in our southern provinces. These territories are enjoying comprehensive development, including infrastructure as well as economic and social projects.

...Thanks to these projects, the Saharan regions have become an open space for development and for national and foreign investment. And, by the grace of the Almighty, we have honest international partners who invest, alongside our private sector, in a clear, transparent environment, for the benefit of the region’s populations.”

”



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EDITORIAL

2021 THE YEAR OF SYNERGY AND CONVERGENCE

Over the years, the Phosboucraa Foundation has proven its role as a major actor in human development in the southern regions. The commitment of all its resources and its ability to work hand in hand with communities, institutions and all its partners have helped to improve the living conditions of its target group, while promoting its development and its impact in a fast paced world.

2021 has also been an opportunity for the Foundation to contribute to the emergence of synergies and networks, notably through the exchange of expertise acquired over time by its Learning Centers and the establishment of networks, in order to provide better support to the local socio-economic environment. Thanks to its educational programs and its promotion of innovative entrepreneurship, it instills the desire to learn and to undertake among its beneficiaries, by providing them with the necessary tools to succeed in their projects and thus become, the actors of change. It is precisely this convergence between its various programs and actions,

which consists of developing the skills of local populations, by including the ecosystem, that allows the Foundation to implement the necessary tools to achieve the objective of sustainability and to fully fulfill its mission: to offer a better future to the populations of the South.

The Foundation's ambition for the coming years is to reduce current and future vulnerabilities and to work on the basis of sustainable creativity that comes from the fusion of expertise and multidisciplinary skills. The Foundation is committed to always seeking new methods of action adapted to evolving needs and to strengthening the synergies between its partners in research, the professional world and institutional representatives. The foundation designs its approach to promote the opportunities offered by the target regions. Thus, it uses all its knowledge to promote their assets, be they human, natural or cultural. The global excellence it aims for comes from revealing the strengths and skills of each individual it accompanies. The foundation's ultimate goal is to accompany the population of the South to recognize its potential in order to create a sustainable, positive and impactful change in the regions of the South.

The Foundation also foresees the bridge to Africa to participate in meeting not only the local specificities, but also the challenges facing the African continent today. The synergy between the Foundation and the Mohammed VI Polytechnic University of LAAYOUNE through its African Institute for Sustainable Agriculture Research (ASARI), the first element of the Fom El Oued Technopole, is part of this approach. Proof of this is the 10 research and development projects carried out by

ASARI with the support of the Phosboucraa Foundation. And because we believe in collective intelligence, 2021 also marks a new synergy through its collaboration with Act4community and the launch of many joint projects starting in 2022 to create a sustainable, positive and striking change in the Southern regions.

2021 has been marked above all by the contribution of the Phosboucraa Foundation to the emergence of synergies and networks through the exchange of expertise acquired over time by its Learning Centers and the establishment of relays, in order to provide more effective support to the local socio-economic environment. Through its educational programs and its promotion of innovative entrepreneurship, the foundation instills the desire to learn and to undertake among its beneficiaries, by providing them with the necessary tools to succeed in their projects and thus become, in turn, actors of change. And it is precisely this convergence between its various programs and actions, which consists of building the skills of local populations, including the ecosystem, that allows the Foundation to put in place the levers needed to achieve the objective of sustainability and to fully fulfill its mission: to offer a better future to the populations of the South.





TOWARDS A BETTER FUTURE :

THE Phosboucraa FOUNDATION'S
VISION OF THE FUTURE

DEVELOPMENT ASPECTS OF THE Phosboucraa FOUNDATION

Founded in 2014, the Phosboucraa Foundation contributes to the socio-economic promotion of the three southern regions of the Kingdom with the objective of developing the skills of local communities and implementing structuring projects that will help improve their daily lives. It operates mainly in two major development areas, education and entrepreneurship, both of which converge on a territorial project: the Fom el Oued Technopole. Launched by His Majesty King Mohammed VI in 2016, this ambitious project is part of the Foundation's overall mission and consists of contributing to the sustainable development of the southern regions by providing them with a City of Knowledge and Innovation, a force for sustainable social and economic development, whose influence will benefit not only the region but also the African continent.

“**Phosboucraa FOUNDATION : ENSURING PROSPERITY FOR FUTURE GENERATIONS. THE Phosboucraa FOUNDATION IS THE MAIN DRIVER OF CSR ACROSS THE THREE SOUTHERN PROVINCES. THE FOUNDATION HAS BECOME A KEY CONTRIBUTOR TO THE SOCIO-ECONOMIC DEVELOPMENT OF THE REGION, BOTH FOR PROFESSIONALIZATION AND THE WELL-BEING OF LOCAL COMMUNITIES.**”

Excerpt from the KPMG report - December 2021



IN EDUCATION

The Foundation Phosboucraa has launched and implemented several projects to help strengthen the education system. Through needs analysis and consultation with the various institutional and associative stakeholders, a wide range of services is provided, ranging from the fight against school dropout, support for academic success, promotion of academic excellence, to professional integration.

The Phosboucraa Foundation also strives to open up new opportunities by supporting research and development. Its projects, carried out in partnership with the Mohammed VI Polytechnic University in Laayoune and various renowned partners, focus on themes with high added value for the southern regions.



IN ENTREPRENEURSHIP

To face the challenges of a world where competition and risks of disruption are growing, and where society's expectations have never been higher, the Foundation is committed to promoting innovative entrepreneurship. Its objective is to bring out a new generation of entrepreneurs capable of addressing new local and regional challenges. Through its two Learning Centers, in Laayoune and Dakhla, the Foundation fosters new entrepreneurial practices and supports the development of economic activities among youth and women. It also accompanies the stakeholders of the social and solidarity economy, and provides permanent support to local financing structures.



IN HEALTHCARE

As healthcare is a priority in the southern regions, the Phosboucraa Foundation actively participates in the collective effort to develop the quality of medical services and improve access to healthcare, particularly for the most vulnerable populations.



TOWARDS A BETTER FUTURE: THE FOUNDATION'S VISION OF THE FUTURE

Eight years after its establishment, the Phosboucraa Foundation, always striving to work for the well-being of the communities of the South and to contribute to sustainable growth for the three regions, has launched in 2021 a process for the co-construction of a new vision arising mainly from the various consultations conducted with the local ecosystem and the beneficiaries of the Foundation in order to meet the needs of the people of the South as best possible.

This year was marked by a strong commitment by the Foundation's collaborators to co-construct their future vision, which is mainly based on collective intelligence. The adopted approach was based on convictions and principles, namely:

- a joint vision to enable teams to make it their own;
- a vision for all, where everyone must be able to find a resonance, regardless of their profession or profile;
- an embodied vision that becomes concrete through a common and shared vocation, ambitions and strategic orientations;
- a formalized vision that allows everyone to become aware of it through a powerful formalization and effective dissemination;
- and finally, a dynamic vision because although the vocation and values, which correspond to the DNA of the Foundation, are permanent, the other components of the vision are constantly evolving to support its development.

In this context, 12 workshops were organized remotely, amounting to 100 hours of reflection, sharing, listening, questioning, and visioning. Working groups were also

set up to reflect on and discuss topics related to the Fom El Oued Technopole, education, entrepreneurship, health, and all the components of the support professions. 59 projects were identified and 30 strategic orientations emerged, resulting in a roadmap. The result: a joint vision, developed by the Foundation's employees, aimed at building a better future through innovative support and the development of the human and territorial potential of the southern regions of Morocco.

With the decrease in health measures against the Covid-19 pandemic, it was possible to hold a face-to-face activity, so the remote workshops were then concluded by the organization of a team-building in which all the collaborators of the Phosboucraa Foundation as well as the members of the Act4Community team of LAAYOUNE participated. The objective of this meeting was to debrief on the conclusions of the vision co-construction work and to confirm the synergy that has emerged between the collaborators of the Phosboucraa Foundation.



INTERNAL COACH OCP

I accompanied the Phosboucraa Foundation as an internal coach for the co-construction of its new vision to enable all of the Foundation's collaborators to be involved in the implementation of this new vision. Vocation, Ambition, values, management principles, strategic orientations, roadmap... everything has been reviewed in a spirit of sharing and in a dynamic of progress. The first thing to note is the notion of co-construction: the Foundation's new vision emerged from a bottom-up process that went all the way to the top management. This approach is unprecedented, in the sense that the vision was not conceived by the management committee, which then deploys it in a top-down manner. Instead, it was the collaborators who "dreamed" the future of their Foundation, and all of their experiences, aspirations and intuitions led to the formulation of a common vision which was then presented to be ratified by Top Management. This experiential and human approach gave rise to a real commitment on the part of the Foundation's collaborators. It was an intense and exciting process, marked by confidence and responsibility, which allowed the collaborators to put the future of the Foundation into their own perspective.

MEHDI TALEB

Financial Manager at the Phosboucraa Foundation

I joined the Foundation during the lockdown and the workshops started a few months after I joined.

It was an opportunity for me to learn more about the Foundation and my colleagues. The exchanges were very constructive. I discovered exceptional and very passionate people. We were able to develop a collective intelligence that emerged from the cooperation between the collaborators, in order to create a common vision, that of building a better future for the populations of the South. What impressed me the most was that this vision came from us, the collaborators, and not from top management. We were both listening and making proposals. The Team Building organized afterwards helped to further strengthen the team. This was like the icing on the cake since we officially launched the Foundation's vision and it reinforced our conviction that together we can make it a reality.

NAJLA EL HANI

Community Engagement Manager Act4Community Phosboucraa

I was invited to participate in the Team Building organized by the Phosboucraa

Foundation when I had just joined Act4Community. It was very rewarding as it was the first time I had attended this type of activity. It was fun and educational. There was a lot of emotion and a real empathy between the participants. It helped to strengthen the bond between us and the members of the Foundation. We ended up making more friends than colleagues. This event also allowed me to learn more about the activities of the Foundation, which is doing exceptional work with the populations of southern Morocco, aiming to build a solid, supportive and productive society.



KEY FACTS

A NEW VISION FOR A BETTER FUTURE



In 2021, the Phosboucraa Foundation launched the process for the co-construction of a new vision. The approach adopted relied mainly on the collective intelligence of the Foundation's collaborators, the entire local ecosystem and the beneficiaries of the Foundation's programs. Their involvement has enabled us to develop a roadmap that best meets the needs of southern communities.

R&D, THE KEY TO A BETTER FUTURE IN THE SOUTHERN REGIONS

The 10 applied research projects conducted by the African Sustainable Agriculture Research Institute (ASARI) in 2021, in partnership with the Phosboucraa Foundation, have achieved significant results. These projects will eventually allow farmers and cooperatives in the South to diversify their production, improve their living conditions, and develop new technologies based on the pharmaceutical and cosmetic industry.



THE Phosboucraa FOUNDATION'S SCALE-UP PROGRAM

In 2021, 49 businesses were trained and accompanied in the context of the "Scale Up" program set up within the Learning Centers of the Phosboucraa Foundation. This acceleration program, aimed at active companies facing particular problems, is intended to boost the capacities of these young project holders and to develop their performance through "Creative Capacity Building" innovation workshops and on-the-spot coaching.

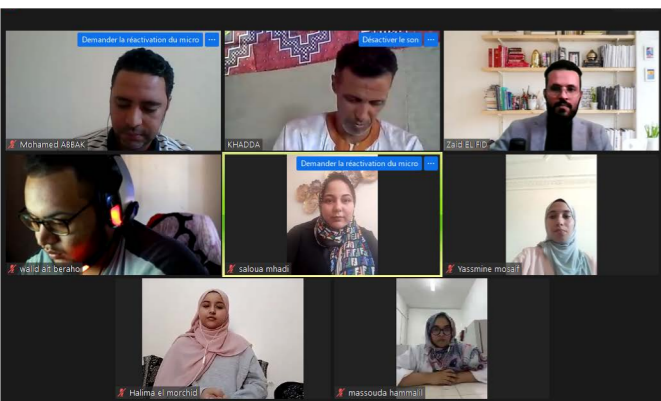


MOBILIZATION OF THE ECOSYSTEM AND ESTABLISHMENT OF THE FIRST RELAY OF OUR LEARNING CENTERS: THE BOUJDOUR YOUTH PLATFORM

In order to develop the local entrepreneurial ecosystem and contribute to the emergence of synergies and networks allowing for more effective support to the local economic fabric, the Learning Centers of the Phosboucraa Foundation in 2021 have begun to share their solid expertise acquired over time with youth platforms dedicated to training and entrepreneurial support in the southern regions. The first relay was created at the level of the Boujdour youth platform, in partnership with the NNDI.



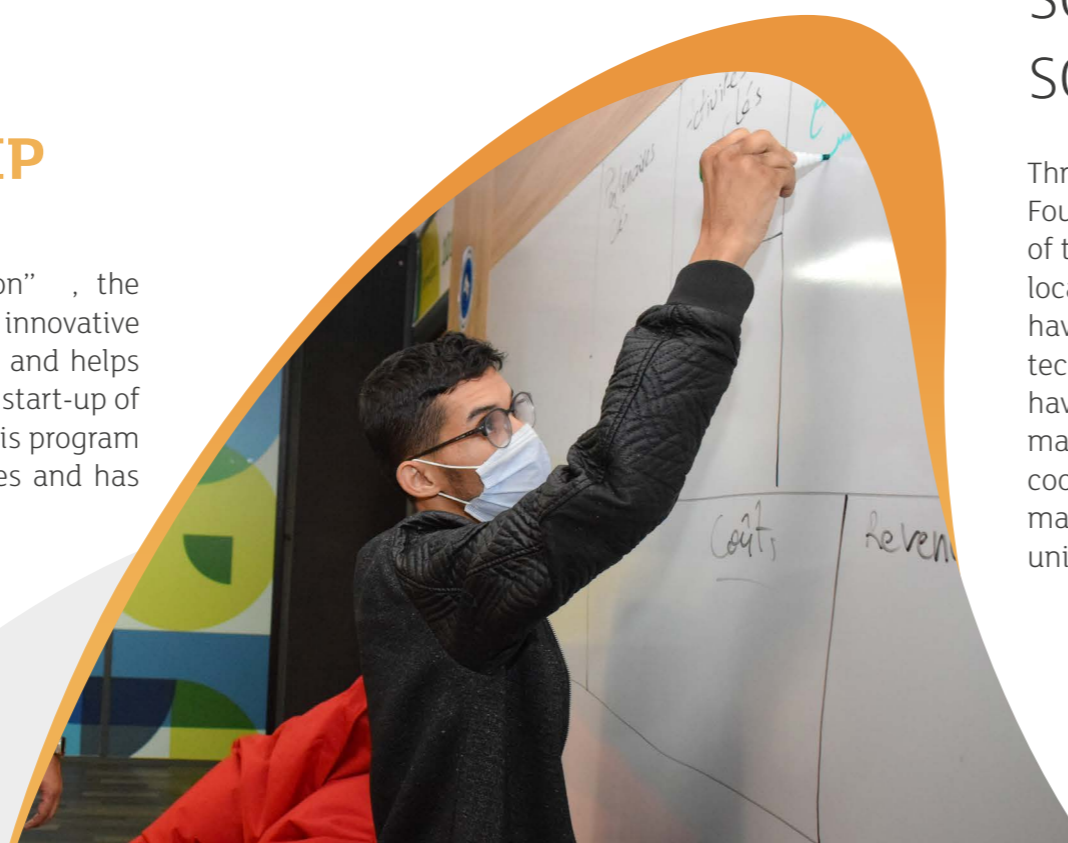
EDUCATION: THE KEY TO A BETTER FUTURE



In 2021, the 7th promotion of the Phosboucraa Foundation's Vocational Training course, which aims to develop the technical skills of young people in the southern regions to accompany the digital and technological transformation, initiated throughout the Kingdom, has recorded 120 new registrants. Among them, and for the first time, 26 young people from the region of Guelmim Oued-Noun were able to access these training courses alongside young people from Laayoune and Dakhla.

TRAINING FOR ENTREPRENEURSHIP

Through the program "Business Creation", the Phosboucraa Foundation promotes innovative entrepreneurship in the southern regions and helps create a pool of companies to support the start-up of the Technopole Fout El Oued. In 2021, this program has enabled the creation of 67 businesses and has benefited 142 people.



THE PIAE, A PROGRAM TO GENERATE LOCAL WEALTH

In 2021, the Program for Integration through Economic Activities (PIAE), has benefited 43 VSEs in the region of LAAYOUNE-Sakia El Hamra and 37 in the region Guelmim- Oued Noun. 20 coaches of project holders have also been trained to develop management skills and abilities to better advise project holders. Carried out in the southern regions by the Phosboucraa Foundation in partnership with the Mohammed V Foundation (FMV), this program aims to accelerate the launch and ensure the sustainability of VSEs and cooperatives in the southern regions.



CLOSE-UP ON THE SOCIAL AND SOLIDARITY ECONOMY IN THE SOUTHERN REGIONS

Through its CoopSud program, the Phosboucraa Foundation contributes to the economic development of the cooperatives that make up the majority of the local economic environment. In 2021, 64 cooperatives have been trained in order to strengthen their technical and managerial capacities. 31 cooperatives have been developed to ensure the production and marketing of their products in better conditions. 31 cooperatives have benefited from equipment and materials necessary for the proper functioning of the units, and 12 cooperatives have been ONSSA certified.





R&D AT THE SERVICE OF THE LOCAL COMMUNITY:

A DRIVING FORCE BEHIND THE FOU
EL OUED TECHNOLOGY PARK

R&D AT THE SERVICE OF THE POPULATION OF THE THREE SOUTHERN REGIONS

Since its foundation in 2014, the Phosboucraa Foundation has been working to build a better future for the people of the South, through innovative support and the development of human and territorial potential.

Several projects have been carried out, mainly in the field of agriculture, to ensure food security and improve the living conditions of communities, while preserving the environment and local natural resources. These projects have included the establishment of a map of salinity and soil fertility; the introduction of 19 new salinity-tolerant crops; the organization of annual agricultural and veterinary caravans for the benefit of the camel industry; the support and accompaniment of cooperatives in the region ; The rehabilitation of a soil, water and plant analysis laboratory; the construction of a seawater desalination unit with a capacity of 2,000 L/H; and, finally, support for the agri-food value of agricultural products.

All these actions have been undertaken by the Phosboucraa Foundation in order to pave the way for the establishment of the

African Institute for Sustainable Agricultural Research (ASARI) of the Mohammed VI Polytechnic University of Laayoune, the first component of the Fom El Oued Technopole. This project, which is part of the overall mission of the Phosboucraa Foundation, aims to provide the southern regions and more generally the African continent with a City of Knowledge and Innovation.

Thus, the opening of ASARI, in February 2020, was one of the milestones towards the realization of the project of the Technopole Fom El Oued. Armed with the latest technologies, the institute is consisting mainly of research laboratories specialized in three areas, namely sustainable agriculture, water and energy and biotechnology.



Upon its opening, ASARI began work on 11 applied research projects, launched in partnership with the Phosboucraa Foundation, and which are the outcome of reflection and consultation with the national and international scientific community and the various local stakeholders, including institutions, farmers and cooperatives.

In parallel, ASARI, in partnership with the Phosboucraa Foundation, has also made available to farmers, breeders and cooperatives in the region: technical assistance and personalized support as well as training and awareness sessions in several areas of interest. Also, and to ensure the proper functioning of the research projects, ASARI has set up an experimental research platform located on the farmers' premises or close to their fields. Field visits are also frequently organized by ASARI, in the presence of the Foundation's teams, to meet with farmers and discuss matters of concern to them.



RAGHIA EZZAIAR
Project manager at
the Phosboucraa Foundation

11 R&D projects have been launched from 2020 with the aim of creating wealth and ensuring food security. These projects aim to provide innovative solutions to current natural and environmental challenges through the development of alternative crops in a Saharan context marked by drought and salinity, and through the use of new technologies to enhance the natural and cultural heritage and local knowledge, with the aim of improving the socio-economic conditions of the populations of the three southern regions. We also organize workshops in order to disseminate the results achieved and carry out a technology transfer in favor of startups, cooperatives and professionals. We have had very good feedback from them, because we bring concrete solutions to their problems.

11

R&D PROJECTS

SUPPORTED BY
THE PHOSBOUCRAA FOUNDATION

10

PROJECTS IN PROGRESS



AQUACULTURE AND THE CULTIVATION OF SALICORNIA: ADOPTION OF INTEGRATED AGRICULTURE MODEL

1

In the southern regions of the Kingdom, the phenomenon of increasing salinization of the soils of irrigated areas threatens the sustainability of agricultural production. Reason for which the Phosboucraa Foundation has launched, in 2019, in partnership with the International Center for Biosaline Agriculture (ICBA) and with UM6P, a project to introduce new models of agriculture in the continental desert areas and in the coastal areas of the region of LAAYOUNE. These integrated agricultural models combine aquaculture of marine species (fish, shrimp, algae ...) and cultivation of halophytic plants.

In 2021, a water and soil analysis report was conducted at the Boucraâ and Fom el Oued mines. The architecture and development plans of two aquaculture farms at the level of Boucraâ and Fom El Oued were also designed during this year.

This project represents an opportunity to improve the food and nutritional security of the populations of the southern regions of Morocco while offering them new sources of income, in particular through the production of halophyte plants, notably Salicornia.



Pr. ABDELAZIZ HIRICH

Biosaline Agriculture Specialist,
ASARI-UM6P



At ASARI, we focus on research and innovation that have a direct impact on the local community, exploring the potential of the desert ecosystem of southern Morocco. This is the objective of all the research projects we conduct, especially those in partnership with the Phosboucraa Foundation. A collaboration that covers several research programs, namely: biosaline agriculture, the development of desert natural resources, the camel value chain and finally water and energy. With my team, we are implementing several projects on upscaling the value chain of resilient alternative crops as well as identifying, documenting and enhancing the value of native desert plants. These projects will undoubtedly have a positive and very significant impact on the local population. They will create value through the adoption of innovative solutions developed by ASARI and will therefore contribute to the economic development of the Moroccan Sahara.



ADOPTION OF ALTERNATIVE CROPS ON FARMS IN SALINE ENVIRONMENTS

2

Given the promising results of the project to introduce salinity-tolerant crops carried out by the Phosboucraa Foundation in Fom El Oued from 2015 to 2019, a technology transfer program has been launched by ASARI in partnership with the Phosboucraa Foundation and ICBA. This program aims to benefit farmers in other provinces of the southern regions of these new productive crops to cope with salinity and drought and provide the required fodder for their livestock.

Thus, in 2021, five experimental platforms have been set up and equipped with windbreak irrigation and harvesting systems in the provinces of LAAYOUNE, Es-Semara, Tarfaya, Boujdour and Oued Eddahab. Through these platforms, 10 salinity-tolerant species, such as blue panicum, millet, sesbania, barley, tritical and quinoa have been introduced. A guide for farmers has also been developed. In addition to a training session and extension of the results that was provided to 30 farmers in these regions. Thanks to this program and the introduction of new crops, the rate of desertification has been reduced by 5%.



5

EQUIPPED
EXPERIMENTAL PLATFORMS

10

NEW SALINITY-TOLERANT
SPECIES INTRODUCED

5%

REDUCTION
IN THE RATE OF DESERTIFICATION

3

SUPPORTED
COOPERATIVES

30

TRAINED
FARMERS

ENDANGERED NATIVE PLANT SPECIES

3

As part of the research program of the UM6P research institute in LAAYOUNE, conducted in partnership with the Phosboucraa Foundation and the ICBA, a project has been launched to develop an Atlas of desert endangered plant species offering medicinal, aromatic or forage properties.

This project foresees: the elaboration of an inventory of indigenous plants and the collection of seeds; the elaboration of a protocol for the reproduction and preservation of these plants; the chemical and biochemical analysis; the collection of indigenous knowledge related to the processes of use of these plants; and finally the elaboration of a directory of indigenous plants of the Southern regions detailing their properties and traditional uses.

In 2021, after 25 days of expedition and 100 visited sites in five southern provinces, 329 species were collected and identified and 56 botanical families were classified.

25 DAYS
OF EXPEDITION

100 VISITED SITES
IN FIVE PROVINCES

329 SPECIES
COLLECTED AND IDENTIFIED

56 BOTANICAL
FAMILIES CLASSIFIED

A HUMIDITY CONTROL SYSTEM COMBINING EVAPORATIVE COOLING AND WATER PRODUCTION WITH PURE AIR

4

In 2021, a state of the art was carried out on the subject of evaporative cooling within the framework of a research project conducted by ASARI with the support of the Phosboucraa Foundation. Its objective is to improve the performance of evaporative cooling systems in the region of LAAYOUNE as well as in other desert areas of the Kingdom. The project consists of designing vapor cooling materials using pressure with minimum energy. This advanced concept combines evaporative cooling and water production with air using a humidity control system.

Initially, the results of this project will primarily benefit farmers and communities in remote desert areas where access to energy and water distribution is limited or impossible. Ultimately, this project will provide a new patented technology that consumes less energy and creates jobs. This technology

can also be used in air conditioning systems in households, administrative buildings and be adopted by startups.



CACTUS, A PROMISING SOURCE OF ACTIVE INGREDIENTS

5

In order to valorize the cactus value chain in the southern regions of Morocco, a research project has been set up with the objective of mass production of genetic material thanks to an efficient in vitro culture method and the identification of new active molecules with high biological value for cosmetic and pharmaceutical use.

This project will provide effective technology to small farmers, especially those in dryland areas, and to local cooperatives, which will help them improve their incomes and therefore their living conditions.

One year after the launch of this project, new cactus extracts have been developed and reproduction trials have been initiated.



YOUSSEF EL KHARRASSI
Research professor at ASARI

“

I am working on two projects financed by the Phosboucraa Foundation within the framework of the program “Valorization of the natural resources of the Southern regions”. The first project consists in valorizing the value chain of indigenous desert plants. Our strategic approach is to explore new molecules with high added value for cosmetic, pharmacological or well-being applications. The results of this work have a direct impact on the cooperatives of the region, key actors of this value chain, as they improve their ancestral know-how and promote local products. The second project aims to enhance the cactus sector through the application of advanced tools in the field of biochemistry, plant biotechnology and metabolic engineering. The expected results of this project will allow, inter alia, the production of natural products based on cactus. The optimization processes carried out so far will allow us to explore the possibilities of enhancing the natural heritage of the region, while contributing to the socio-economic development, thanks to the establishment of new outlets and new investment opportunities. In addition, an exchange of knowledge will be carried out between scientists and stakeholders in the sector through the organization of workshops. Finally, for the success of these projects, the target populations are involved from the onset.

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DEVELOPMENT OF INDIGENOUS PLANT SPECIES IN THE REGION OF LAAYOUNE-SAKIA EL HAMRA

6

Producing molecules with high added value for the cosmetic and pharmaceutical sectors is the objective of this project launched by the Phosboucraa Foundation and ASARI in the region of LAAYOUNE-Sakia El Hamra. Running over a period of three years, this project aims to improve the performance and methods of extraction of indigenous plants, to select the aromatic and medicinal ones and identify new bioactive compounds dedicated to cosmetic and pharmaceutical products. The valorization of these species will allow the cooperatives to diversify their production and thus improve the living conditions of their members.

In 2021, 10 new plants were identified and analyzed and biochemical molecules were extracted using the high-tech equipment available in ASARI's laboratories. Still within the framework of this program, 11 cooperatives have been accompanied to test and adopt these new discoveries.



10 NEW
PLANTS IDENTIFIED

11 COOPERATIVES
SUPPORTED

AGRONOMIC AND ECONOMIC SUSTAINABILITY OF GRASS-LEGUME MIXTURES

7

To address the scarcity of research on the performance of grass-legume mixtures under arid and saline conditions, the Phosboucraa Foundation and ASARI launched a study to identify salt-tolerant grass-legume mixture ratios that produce higher yields and better nutritive value of the forage, while optimizing input use. This project aims to ensure economic profitability for farmers in southern Morocco, while allowing them to reduce their environmental footprint.

In 2021, the study on the performance of the grass mixtures introduced on the quality of fodder was carried out and two agronomic test platforms on grass mixtures (corn, blue panicum, barley ...) were installed in Fom El Oued. A third one is being prepared in Boucraâ.

1

STUDY ON
THE PERFORMANCE OF GRASS
MIXTURES CONDUCTED

2

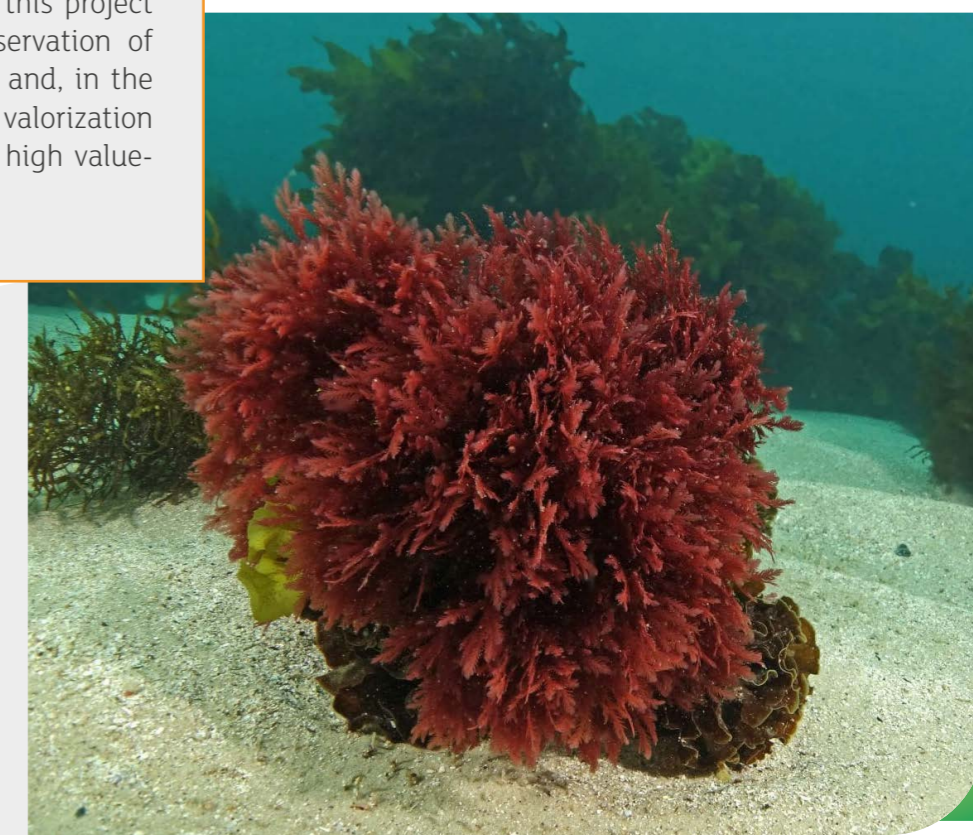
AGRONOMIC
TEST PLATFORMS
INSTALLED

VALORIZATION OF THE RED SEAWEED IN THE REGION OF LAAYOUNE

8

Another project, within the framework of the partnership between the Phosboucraa Foundation and ASARI is that relating to the biotechnological valorization of the red algae "Gelidium sesquipedale". Realized with the collaboration of the Mascir Foundation, this project concerns the algae which are collected in the region of Amgriou. These extracts with high added value can be used in agriculture but also in the cosmetic and pharmaceutical sectors.

In 2021, biochemical substances from seaweed were extracted and tests on their nutritional and medicinal values were carried out. The objective of this project is to contribute to the preservation of this natural marine resource and, in the long term, to contribute to its valorization through the development of high value-added products for industry.



DESALINATION BY PRESSURE SWING ADSORPTION OF SEA WATER

9

A basic research project has also been set up to find adsorbing materials capable of releasing water vapor by a pressure oscillation mechanism. It aims to explore ways to modify existing porous materials, and to develop and design new materials to adsorb water vapor.

Adsorption is a surface phenomenon whereby atoms, ions or molecules (adsorbates) attach to a solid surface (adsorbent) from a gas or liquid phase. The successful implementation of desalination by vapor pressure adsorption requires a surface with a high capacity of reversible water absorption, in a narrow pressure range, at room temperature and which can be regenerated by a simple change of pressure. All these criteria cannot be met by traditional adsorbents. Therefore, at the end of the project, a prototype of adsorption under narrow pressure will be designed.

This project will design a new seawater desalination equipment with an optimized use of energy. This innovative technology, which will provide startups, professionals and cooperatives in the region with an adsorption equipment

based on pressure change to desalinate seawater, will allow them to minimize their energy costs, increase their output and production and create jobs.

MITIGATION OF OSMOTIC STRESS AND SALINITY IMPACT BY MAIZE AND SORGHUM GENOTYPES

10

A new research project is being conducted for the identification and selection of maize and sorghum genotypes. Tolerant to abiotic stress as well as to soil nutrient deficiencies, the exploration of this genetic variability is a promising way to select high-performing genotypes under various environmental constraints. It also allows to improve phosphorus use efficiency under arid and semi-arid conditions. Ultimately, the rate of desertification could be reduced by 3%. In 2021, the teams in charge of the project have already selected and prepared the sites threatened by salinity and drought in Foum El Oued and Boucraâ. Phenotyping and selection of the best performing maize and sorghum germplasm have already been carried out as well as the setting up of agronomic trials of maize and sorghum. Studies on the resistance to water and salt stress as well as on the nutritional value of these crops have also been carried out.

2 SITES OPERATING
IN FOUM EL OUED AND BOUCRAÂ

3% REDUCTION
IN THE RATE OF DESERTIFI-
CATION



RESEARCH DAYS AT LAAYOUNE

LAAYOUNE
1st and 2nd of June 2021

The Phosboucraa Foundation and the University Mohammed VI Polytechnic (UM6P) organized “Research Days” on the 1st and 2nd of June 2021 in Laayoune. An event that brought together all stakeholders involved in the creation of this institute, including farmers and cooperatives in the region Laayoune-Sakia El Hamra, as well as all institutions that have contributed to its achievement. The objective of this event is to disseminate research and development for the beneficiaries and to make them aware of the importance of the establishment of this institute for the evolution of their personal projects. Actually, this public hardly familiar with the aspects related to the research in the fields of agriculture, water and energy and biotechnologies, had the opportunity to discover the various projects, objectives of the work of the institute ASARI and which were previously identified by the Phosboucraa Foundation. The objective of these projects is to provide communities at the local level and across the African continent with solutions adapted to their needs in order to face the future with greater resilience. With the support of the Phosboucraa Foundation, ASARI aims to be an African reference for innovation in these fields. To achieve this vision, an action plan has been established to: assess the needs of

local communities; develop appropriate research and innovation programs; create pilot and demonstration units for technology transfer; and, finally, support young promoters and investors in the region in the creation of commercial-scale production units. The research days also provided an opportunity to formalize the partnership and synergies between the various partners, particularly between the Phosboucraa Foundation and UM6P. They were marked by the signing of three agreements, including the 11th research project, signed between the Phosboucraa Foundation, the UM6P and Seaweed Company, an international multi-species company that operates on the entire value chain of algae. This agreement aims to promote the growing and valorization of seaweed in the southern provinces.



LEMFADDEL KOUISNI
Lead Project Management at
ASARI

“ The “Research Days” organized by ASARI/UM6P LAAYOUNE in partnership with the Phosboucraa Foundation, offered to institutional representatives, farmers, breeders and representatives of cooperatives, the opportunity to visit the laboratories of ASARI. The participants were also able to discover the different programs and research activities of the institute. For a positive and significant impact on the local community, ASARI collaborates closely with the Phosboucraa Foundation through the launch of 11 applied research projects. These projects are mainly aimed at addressing local challenges faced by communities in the South. This collaboration is part of an action plan jointly developed by ASARI and the Foundation. Its objective is to strengthen agricultural production systems through the improvement of the production chain and the creation of added value, the sustainable management of natural resources and the protection of landscapes as well as the maintenance of biological diversity.”



SCIENCE WEEK AT LAAYOUNE

📍 LAAYOUNE
📅 From the 1st to the 7th November,

The Phosboucraa Foundation and ASARI organized from November 1st to 7th, 2021 the first edition of the Science Week, in concomitance with the Science Week organized by the UM6P of Benguerir. The event was attended by 410 people including renowned experts, researchers, beneficiaries of the Learning Centers of the Phosboucraa Foundation, members of the associations Sahara Astronomy and Al Amal for Education, and students from the municipality of El Marsa. This first edition was held around a

central symposium under the theme “When science spoke Arabic” . It was an opportunity to pay tribute to and recall the contribution of Arab scientists and philosophers who, from the 7th to the 13th century, shaped the history of science through their innovations in many fields and disciplines. During the week, a photography exhibition and workshops on astronomy were also organized, notably by the Association Sahara Astronomy. The aim of the organizers, through the Science Week, is to allow participants to

410 PARTICIPANTS

1 TV REPORT

30 PRESS ARTICLES

acquire the tools to reflect, question the world and dismantle disciplinary silos, and to engage young people in research. The closing of the Science Week, which coincided with the celebration of the 46th anniversary of the Green March, was marked by the holding of workshops on the Hassanian culture and rock paintings.



WORKSHOP “VALORIZATION AND PROMOTION OF AROMATIC AND MEDICINAL PLANTS”

LAAYOUNE
14th & 15th December, 2021

On December 14th and 15th, 2021, ASARI organized, in partnership with the Phosboucraa Foundation, the first edition of the Workshop “Valorization and promotion of aromatic and medicinal plants of the region of LAAYOUNE-Sakia El Hamra”.

This workshop aimed to build the capacity of cooperatives in the region LAAYOUNE-Sakia El Hamra in botanical knowledge, techniques and quality approaches and to develop their entrepreneurial spirit. Intended mainly for key stakeholders in the value chain, this workshop has enabled a transfer of know-how and expertise. Various topics were discussed such as the cosmetics market, the potential of Saharan plants, techniques for extracting natural substances from aromatic and medicinal plants, product quality control offered by cooperatives or the process for getting approval and marketing products. Funded by the Phosboucraa Foundation, this workshop was organized within the project “Valorization of indigenous species of the LAAYOUNE-Sakia El Hamra Region through the production of high

value-added molecules for cosmetic and well-being purposes”. It is part of the dynamics initiated by the UM6P and the Phosboucraa Foundation in order to enhance the natural heritage of the Moroccan Sahara and to strengthen the agricultural production systems in a sustainable environment preserving the rich biodiversity of the southern regions.



CHAIMAA ANDAH

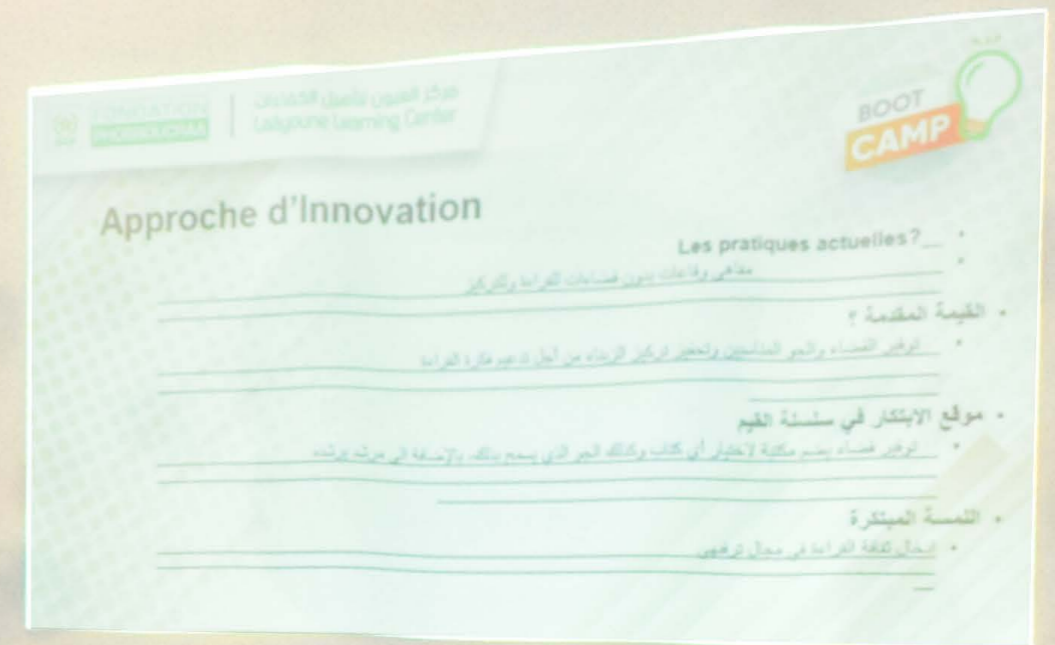
President of the Ouled Sassi cooperative participating in the Workshop

“We created our essential oils and aromatic and medicinal plants cooperative in 2017. We used to work in a traditional way, but, with the support of the Phosboucraa Foundation we have become more professional. By participating in the workshop “Valorization and promotion of aromatic and medicinal plants of the region of LAAYOUNE- Sakia El Hamra”, we learned new techniques of extraction and collection of plants. The trainers have thus stressed the importance of choosing the best times and periods of the year for the collection. They also taught us to avoid mixing species and how to clean our equipment after each use, as this can affect the quality and reduce the market value of the final product. We were also able to acquire more knowledge about the benefits of each of the Saharan plants, and finally how to take the steps to get the

approvals. Today, thanks to the support of the Phosboucraa Foundation, we have been able to obtain the authorization from the ONSSA and we can now commercialize our products on the national market, and why not on the international scale. Thank you for everything!”



When in doubt,
come to the tree library



ENTREPRENEURIAL ECOSYSTEM :

INNOVATION AS A KEY TO
VALUE CREATION

INNOVATIVE ENTREPRENEURSHIP, THE HALLMARK OF THE Phosboucraa FOUNDATION

2021

Since its establishment in 2014, the Phosboucraa Foundation has made Learning Centers (LCs) available to young people and women in the southern regions, free of charge, with a view to fostering their socio-economic integration. Skills development programs have been the core activity of the LCs.

In 2021, the creativity and innovation elements were mainly adopted in its training approach. As a result, 2480 beneficiaries participated in 90 orientation and awareness workshops on entrepreneurship and innovation, which are the first step in the learning provided by the Foundation's Learning Centers.

The objectives of these orientation workshops are: to provide visitors with professional information, particularly those related to innovative entrepreneurship and career development; to direct youth to programs and/or services offered by LCs or other competent organizations and institutions at the regional or national level; to direct youth and entrepreneurs to entrepreneurial acculturation, capacity building or entrepreneurial coaching programs; and finally, to assist entrepreneurs and aspiring entrepreneurs by advising them on the success of their project.

It is a permanent listening service that is constantly available to beneficiaries to provide them with information on innovative entrepreneurship in the southern regions of Morocco as well as on the training programs offered by the Foundation through its Learning Centers,



namely :

“Entrepreneurial Skills Development”
“Business Creation” ; “Scale-up” ;
“Women Entrepreneurship” ; and
“Intrapreneurship” .

In other provinces where the Foundation's learning centers are not available, information and awareness sessions are organized to bring together and identify entrepreneurial profiles and ideas. Creative Capacity Building (CCB) workshops on innovation and entrepreneurship are held in collaboration with local partners. A mobilization campaign is also being conducted with the entrepreneurial ecosystem of the three southern regions, with networking events and webinars on the agenda.

90
ORIENTATION
AND ENTREPRENEURIAL AWARENESS
WORKSHOPS

2480
BENEFICIARIES

1 DEVELOPMENT OF ENTREPRENEURIAL SKILLS

In 2021, 402 people have benefited from the program of “development of entrepreneurial skills” implemented by the Phosboucraa Foundation through its Learning Centers. Among them, 26 young people have obtained a professional certificate.

This program aims above all to increase the chances of success for new businesses and to develop existing ones. It allows aspiring entrepreneurs, project leaders or young people to access via the e-learning platform and other digital educational tools, training modules in hybrid mode

combining in-person and remote or only remote, focused on soft skills, business training and management of companies. The objective of this program is to allow the beneficiaries to reinforce their technical and managerial capacities and skills, to improve their practices and efficiency and, finally, to ensure their autonomy.

402 YOUTH
TRAINED

26 OF WHICH OBTAINED A
PROFESSIONAL
CERTIFICATE





2

THE BUSINESS DEVELOPMENT PROGRAM : THE LEARNING CENTERS' HALLMARK



2021

The “Business Creation” program, set up by the Phosboucraa Foundation within its Learning Centers, is open to young entrepreneurs aged 18 to 35, to women aged 18 to 45 and to entrepreneurs migrating to the formal sector. Its objectives are: to develop and deploy entrepreneurship training programs and services tailored to the development of businesses in the region and to offer programs and services with high added value including training, coaching and mentoring. Programs that facilitate market insertion and increase entrepreneurial opportunities for these different targets.

This program is preceded by a pre-launch coaching, which consists of helping them build their business idea and bring it to life, in particular through the MIT D-Lab's co-design thinking approach. This approach consists of introducing them to entrepreneurial values and practices, equipping them with key assets that allow them to differentiate themselves, and above all, boosting their creativity. At the same time, beneficiaries have the opportunity to meet with experts and partners offering them customized advice and contacts to develop their network.

To encourage innovative entrepreneurial solutions, project leaders are put to the test through a competitive approach. Thus, after coaching and technical assistance sessions, a competition of entrepreneurial ideas was launched with a special focus

on the sectors of the Technopole Fom El Oued, such as agribusiness, the green economy, the circular economy or the blue economy. The objective is to create a pool and a viable cluster of companies for the future Technopole.

Finally, and to encourage women's entrepreneurship, the Phosboucraa Foundation has set up within its LC, a program focused on women without economic activity or advanced education or working in the informal sector. The participants were able to benefit from support in setting up and creating their project as well as in securing financing.

142 BENEFICIARIES

67 BUSINESSES
CREATED



3

SCALE-UP PROGRAM

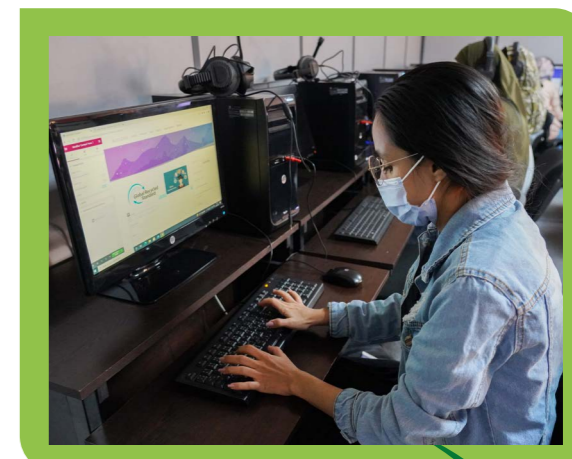


2021

The “Scale Up” support program is dedicated to economic and socio-economic structures located in the southern regions that are experiencing difficulties in developing their businesses. In 2021, 49 companies have been trained and accompanied within this program.

Aimed at building the capacity of entrepreneurs, this program consists of on-the-job coaching and Creative Capacity Building (CCB) innovation workshops, developed in partnership with MIT D-Lab, the social department of Massachusetts Institute of Technology, to bring out innovative solutions to the problems they face in order to increase the performance of their business.

The “Scale Up” program is based on five main dimensions: individual and in-depth diagnosis; advice by experts in the sector; collective support focused on the challenges of the sector; and integration into a community of companies in the sector.



49

TRAINED & ASSISTED
COMPANIES



4 WOMEN ENTREPRENEURSHIP, DRIVING FORCE FOR WOMEN'S ENTREPRENEURSHIP

2021

Targeting women between the ages of 18 and 45, the socio-economic integration and women's capacity building program, "Women Entrepreneurship" has trained 100 beneficiaries during the year 2021. Its objective is to contribute to the development of an entrepreneurial spirit among women from the three southern regions.

In this regard, the Phosboucraa Foundation organized in 2021, within its Learning Centers in Laayoune and Dakhla, several training and coaching workshops in women entrepreneurship. The beneficiaries were thus able to be sensitized to entrepreneurship and assisted in the preparation of their business model and business plan. They were also familiarized with project design and management methods. The ultimate goal of this program is to help women in the southern regions to give life to their projects in order to meet their needs and guarantee their financial autonomy.

100 TRAINED WOMEN



OUR BENEFICIARIES HONORED AT THE GLOBAL WOMEN SUMMIT

For the second consecutive year, Dakhla hosted from November 4 to 6, 2021 the second edition of the Global Women Summit held under the theme: "Towards a Resilient Africa". During the event, beneficiaries of the Dakhla Learning Center (DLC), mainly young women entrepreneurs or aspiring entrepreneurs, had the chance to participate in various workshops and activities. They were able to discuss and exchange with investors and entrepreneurs from different backgrounds and members of the global network of women entrepreneurs. For them, it was also an opportunity to put into practice the networking techniques they learned during the training sessions given at the DLC.



2021

In 2021, as part of the Intrapreneurship program, 54 young people and expert volunteers were mobilized, enabling 11 Social and Solidarity Economy (SSE) structures to benefit from personalized support that led to the identification and development of 11 associated solutions. This program dedicated to the accompaniment and promotion of SSE structures and social innovation aims to integrate young volunteers, beneficiaries of the LC, into the professional context and also into the volunteering world. It consists first of all in establishing a diagnosis of the targeted structures and identifying the problems. Then, all the stakeholders of the program (LC beneficiaries, SSE structures, and expert mentors) meet in Bootcamps around CCB workshops. These workshops allow them to propose innovative solutions to the problems detected in the partner structures and targeted by the program

54 YOUNG PEOPLE AND EXPERT VOLUNTEERS MOBILIZED
11 STRUCTURES OF BENEFICIARIES OF THE PROGRAM
11 SOLUTIONS IDENTIFIED

and to accompany them in finding solutions.

This program also provides an opportunity for SSE structures and volunteers to exchange best practices so that they can learn from each other's experiences and thus foster skills development for both the structures and the young volunteers.



ALI SALAM EL MBARKI
Member of the Ahl Bayaaha
Litarbiat Adawajin cooperative
Beneficiary of the Intrapreneurship
program

Founded in 2019, our cooperative has five members. Thanks to the Foundation's support program, we learned about the financial and administrative management of cooperatives and benefited from their expertise to improve the marketing of our products, using new technologies and social networks. The training, which lasted almost two weeks, was very beneficial to us. Today, thanks to what we have learned, we are able to find outlets for our products and we are even thinking of expanding our activity to other regions. This support has allowed us to considerably improve our income and our living conditions. The Foundation's teams are always ready to listen to our needs and ensure a permanent follow-up.



SUPPORT FOR INCLUSION THROUGH ECONOMIC ACTIVITY



2021

To meet the challenges of promoting entrepreneurship in the southern regions of Morocco, the Phosboucraa Foundation, in collaboration with Act4Community, has joined forces with the Mohammed V Foundation for Solidarity (FMV) as part of its Program for Inclusion through Economic Activities (PIAE), which aims to fight poverty and unemployment among populations in vulnerable situations. This program offers project leaders an integrated support and guidance system. Adapted to their expectations and needs, it aims to improve their living conditions and create local prosperity while providing post-creation support over 24 months.

In addition to acquiring the equipment necessary to start up the selected projects, and in order to increase the chances of success and to ensure the sustainability of these very small businesses that make up the majority of the local economic fabric, the Phosboucraa Foundation also trains coaches to assist these young entrepreneurs. Based on the German CEFE method, the training provides coaches with a set of tools to support an entrepreneurial project, and more specifically those carried by VSEs and cooperatives. As part of this program, the year 2021 has witnessed the distribution of equipment to project leaders in the regions of Guelmim-Oued Noun and LAAYOUNE-Sakia EL Hamra.



DISTRIBUTION OF EQUIPMENT IN THE REGION GUELMIM-OUED NOUN

In Guelmim, an operation of distribution of equipment was organized from July 15th to August 5th, 2021 for the benefit of 37 VSEs in the region Guelmim-Oued Noun, including 10 in Guelmim, 11 in Tan-Tan and 16 in Sidi Ifni. The provision of this equipment responds to the financing difficulties that young project holders in the region encounter and that prevent them from fulfilling their projects.

43
EQUIPPED VSEs IN
THE REGION OF YOUNE-SAKIA
EL HAMRA

37
EQUIPPED VSEs IN
THE REGION OF
GUELMIM-OUED NOUN

EQUIPMENT DELIVERY CEREMONY IN THE REGION OF LA YOUNE-SAKIA EL HAMRA

A handover ceremony of equipment for the benefit of project holders in the region LAAYOUNE-Sakia El Hamra was held on July 30th 2021 in LAAYOUNE. A total of 43 MSEs have benefited from the program PIAE, including 16 in Laayoune, 13 in Es-Semara, 9 in Boujdour and 5 in Tarfaya.

The Phosboucraa Foundation has also trained a total of 20 project leaders, including 8 from Laayoune, 4 from Dakhla, 4 from Boujdour and 4 from Es-Semara. The coaches have benefited from 26 days of training and have experienced a series of practical cases to stimulate them to develop management skills, and skills to better advise the project holders.

Through the PIAE program, the two Foundations, in partnership with Act4Community, are helping to improve the chances of launching and sustaining projects led by aspiring local entrepreneurs.



THE COOPSUD PROGRAM FOR STRENGTHENING THE ENTREPRENEURIAL CAPACITIES OF COOPERATIVES

📍 LAAYOUNE-Sakia Al Hamra Region
📅 2021

Très Very active in the southern regions, cooperatives are based on economic models that create value. Through its CoopSud program for strengthening the entrepreneurial capacities of cooperatives, the Phosboucraa Foundation contributes to the economic development of these community structures.

The program mainly targets agricultural and food cooperatives as well as those producing local products in the region of Laayoune-Sakia El Hamra.

The Foundation's support consists of developing the skills of the 64 cooperatives benefiting from this program through: the establishment of support mechanisms and financial assistance, the strengthening of managerial and technical capacities, and finally, marketing support.



FITTING OUT OF 31 CO-OPERATIVES' PREMISES

In 2021, as part of the first phase of the CoopSud program, the Phosboucraa Foundation, in collaboration with specialized experts it has hired on this project, has rehabilitated the premises of 31 cooperatives in the region LAAYOUNE-Sakia El Hamra among the 64 cooperatives benefiting from this program. Thanks to this support, the premises of these cooperatives are now in compliance with the norms and standards of hygiene and sanitation in force, which allows them to ensure the production and marketing of their products in better conditions.

31 EQUIPPED COOPERATIVES THROUGH THE COOPSUD PROGRAM

Despite the growth of cooperatives in the local economic environment, many of them are unable to manufacture and market their products due to a lack of materials and equipment that comply with health standards. As part of the second phase of the CoopSud program to strengthen the entrepreneurial capacity of cooperatives, the Phosboucraa Foundation has provided support to 31 cooperatives in the region LAAYOUNE-Sakia El Hamra. This support consisted in the acquisition of equipment and materials necessary for the proper functioning of the units. .



SUPPORT OF 12 COOPERATIVES TO OBTAIN ONSSA AUTHORIZATION

Helping food cooperatives and local products to comply with the requirements of the ONSSA in order to obtain permission to market their products in the national market, but also internationally, is the objective of the third phase of the program CoopSud. Thus, in 2021, 12 cooperatives in the region of LAAYOUNE-Sakia El Hamra have been accompanied in the preparation and implementation of plans for the development of their premises, in accordance with the requirements of the ONSSA. They have also received support for the development of data sheets on the manufacturing diagram and traceability records, required by the certification body. Thanks to this support, the 12 cooperatives obtained their ONSSA authorization in 2021.

31 DEVELOPED COOPERATIVES

31 EQUIPPED COOPERATIVES

12 ONSSA-CERTIFIED COOPERATIVES



TRAINING OF 64 CO-OPERATIVES

In order to strengthen the technical and managerial capacities of cooperatives, a training plan adapted to the needs of cooperatives and their areas of activity has been set up in 2021 within the framework of the CoopSud program. The objectives of this plan are: to help cooperatives better manage their units and ensure good governance; to bring them to administrative and financial autonomy; to provide them with qualified human resources capable of producing to the highest quality standards; and finally, to provide them with new tools for marketing on the national and international markets.

In 2021, all 64 cooperatives participating in the program have benefited. Over a period of 8 days, 4 transversal training modules were organized by the Phosboucraa Foundation. These focused on: the legal and legislative framework of cooperatives; the cooperative spirit and the role of professional agricultural organizations and local products in the creation of added value; the spirit of entrepreneurship and techniques for setting up social projects; and finally, the new information technologies. Subsequently, in July, November and December 2021, more technical trainings were provided to the 64 cooperatives benefiting from the program, related to their own areas of activity and to the administrative and financial management of their organizations.



64
COOPERATIVES
TRAINED
8
DAYS OF TRANSVERSAL
TRAINING
11
DAYS OF TECHNICAL
TRAINING

SUPPORT TO FINANCING STRUCTURES

2021

Financing being the sinews of war for any entrepreneurial project, the Phosboucraa Foundation has indeed set up this program with the aim of: facilitating access to financing for very small businesses; encouraging the creation of businesses and stimulating self-employability; and, finally, supporting local entrepreneurial support structures. In 2021, 16 projects were financed in Dakhla, 23 in Es-Semara and 37 in Tarfaya under the program “Appui aux Moubadarat”.

Through this support, the Phosboucraa Foundation contributes to the support of these structures, which provide financial assistance to project leaders who do not have sufficient guarantees to take out bank loans.

Thanks to the financial support of the Foundation and other partners, the Moubadarat have a fund that allows them to grant honorary loans after reviewing the applicant's file.

This zero-interest financing formula is complemented by the accompaniment of project holders. The committees that study the files mandated within the framework of this program have the mission of advising the aspiring entrepreneurs and the entrepreneurs and of encouraging a synergy between the beneficiaries in order to create a network of mutual aid and exchange.

TESTIMONY OF A MOUBADARAT PARTNER

“Es-Semara is a small town where employment opportunities are still limited. Thanks to the support of the Phosboucraa Foundation, we have been able to accompany 23 innovative projects in 2021, which has significantly improved the socio-economic conditions of the target populations. In addition to funding, we also follow up with all our beneficiaries to ensure the success of their projects. So far, we have had only very good results, which has generated a real dynamic in the whole region and has allowed all the participants of the program to be financially autonomous and even to create jobs themselves. As a native of Es-Semara, this partnership with the Phosboucraa Foundation encourages me to preserve and invest even more in the vulnerable populations of my hometown.”

23 FUNDED PROJECTS
IN ES-SMARA

16 FUNDED PROJECTS
IN DAKHLA



37 FUNDED PROJECTS
IN TARFAYA



SKILLS DEVELOPMENT:

A MAJOR CHALLENGE FOR OUR
EDUCATIONAL PROGRAMS

TRANSFER OF EXPERTISE FROM OUR LEARNING CENTERS & CREATION OF RELAYS

 **Boujdour**
 **July, 2021**

In 2021, in order to perpetuate its actions and reach a maximum of beneficiaries in the three southern regions of Morocco, the Phosboucraa Foundation has chosen to transmit the solid expertise acquired by its Learning Centers (LC) over time to youth platforms dedicated to training and entrepreneurial support in the southern regions.

Through this transfer of expertise, the objective is to provide an adapted training that will allow the development of the local entrepreneurial ecosystem, by supporting aspiring entrepreneurs and startups and by involving local stakeholders in the acceleration of innovation and in the creation of entrepreneurial opportunities. This approach will result in the emergence of synergies and networks that will enable more effective support for the acceleration of the development of the local economic fabric.



This approach has been concretized in 2021 through the establishment of a first relay at the level of the Youth Platform of Boujdour, accompanied by the teams of Laayoune Learning Center (LLC). As the first pilot program, the LLC began by implementing its core program “Emergence of Competencies” (EDC). This program aims to strengthen the skills of young graduates in order to improve their job readiness and their financial autonomy and thus increase their chances of integration into the socio-economic life by having a better control of their career path.

The EDC includes modules to develop the skills of young people in different areas: communication, digital, entrepreneurship and life management. In 2021, 1399 young people benefited from activities organized within the framework of this program by the Learning Centers of the Phosboucraa Foundation: bootcamps, networking, power breakfasts and conferences. These activities have brought together different stakeholders in the entrepreneurial ecosystem, in particular large companies and major research and development centers, but also SMEs and VSEs, startups, entrepreneurship agencies and entrepreneurship support structures.

Thus, in July 2021, LLC adapted and modeled its EDC program offerings to the context of the Boujdour Youth Platform. This process began by identifying training needs through 13 interviews with pre-assigned trainers. The second step consisted in training 12 trainers for a total of 112 hours of training on action-based teaching, active pedagogy, facilitation techniques and modular progressions.

Finally, a pedagogical kit related to the EDC program was handed over by the Phosboucraa Foundation to the Boujdour Youth Platform during an official ceremony to launch the program.

The transfer of expertise has not yet come to an end. The Foundation continues to support the Boujdour Youth Platform by remaining attentive to the problems they encounter on a daily basis and by helping them to better respond to the needs of their beneficiaries.



LAHMID BOUMAHDI
Head of the Youth Platform of
Boujdour

“This platform is a real opportunity for the youth of Boujdour, because it allows to strengthen the capacities of young people through training and customized support allowing them to promote their job readiness, their financial autonomy and especially their social integration. We also try to instill in young people the spirit of community and solidarity by introducing them to cooperatives and NGOs. We accompany the project leaders by helping them to set up a business plan and to access financing. And finally, we direct those who wish to enter the job market to our partners such as ANAPEC. Of course, a follow-up is carried out with each beneficiary to ensure that he or she has achieved their objectives. Because in the end, our objective is for them to aspire to a better future and have a professional project. All this would not have been possible without the support of the Phosboucraa Foundation and its teams who are constantly by our side.”



PLATEFORME JEUNES BOUJDOUR



1

RELAY CREATED

THE YOUTH PLATFORM OF
BOUJDOUR

12

QUALIFIED

TRAINERS

112

HOURS

OF TRAINING

NURSES FOR THE FUTURE HEALTH STRUCTURES OF LAAYOUNE

LAAYOUNE
2021

In 2021, 40 candidates, from the region LAAYOUNE-Sakia El Hamra, have registered for the entrance exam to the license in nursing launched by the Higher Institute of Biological and Paramedical Sciences (ISSBP) of the University Mohammed VI Polytechnic (UM6P). Among them, 32 took the written exam, 15 candidates passed the written and oral test and 8 are currently in training. This was possible thanks to a program set up by the Phosboucraa Foundation in order to support the ISSBP in the recruitment of candidates from the southern regions for the competitive examination.

The objective of this program is to allow these young people to follow a vocational training to obtain a license in nursing in order to provide teams of highly qualified caregivers in various hospital structures, current and future, located in the region. This training will also allow future graduates to apply for jobs in the hospital sector as well as in the extra-hospital sector (clinics, health centers, home care services ...).

To attract a maximum number of candidates for this competition, the Phosboucraa Foundation has developed throughout the year 2021 a communication strategy dedicated to this training. In order to inform the future candidates, communication supports have been diffused, mainly on social networks and with the Regional Academy of Education and Training of the region (AREF).

At the same time, a program to assist candidates in preparing for the competition has been set up to maximize the number of eligible applications. Teams have been made available by the Phosboucraa Foundation to assist candidates during the entrance exam for this training.



AYA IKHELK
Future nurse from LAAYOUNE

“I am currently in my first year of nursing at the Higher Institute of Biological and Paramedical Sciences at UM6P. It is thanks to the Phosboucraa Foundation and the support of its teams for the preparation of the entrance exam that I can now realize my dream of working in the medical and paramedical sector, a field I have always been passionate about. Thanks to their support, I was able to obtain an excellent grade in the entrance exam and even managed to come in first, which allowed me to obtain a scholarship for three years. Without the Foundation, none of this would have been possible. Thank you from the bottom of my heart.”



AKRAM HADEF
Future nurse from Guelmim

“It is the Phosboucraa Foundation that contacted me and proposed that I come from Guelmim to Laayoune to benefit from an assistance in order to prepare the entrance exam. Since I always wanted to work in the medical field, this was a great opportunity not to be missed. We went through four intensive training sessions to prepare for the exam. The instructors were exceptional and they were constantly listening to us. Thanks to them and the support of the Phosboucraa Foundation, I was able to obtain a scholarship. Thank you very much!”



40 APPLICANTS
FROM THE REGION LAAYOUNE-SAKIA EL HAMRA

32 CANDIDATES
TOOK THE WRITTEN EXAM

15 CANDIDATES
PASSED THE WRITTEN AND ORAL TEST

8 IN TRAINING

“MENDAREK” TRAINING COURSES



2021

In April 2021, the 7th promotion of the Vocational Training course gathered 120 new enrollees. Among them, and for the first time, 26 young people from the region of Guelmim Oued-Noun were able to access these training courses alongside young people from Laayoune and Dakhla. The integration of these new members has been facilitated by the implementation of the distance learning platform “L’Formation MenDarek” launched in March 2020 during the Covid-19 pandemic. This platform was in fact listed in the top 10 of the first remote education support solutions implemented in Morocco during the lockdown.

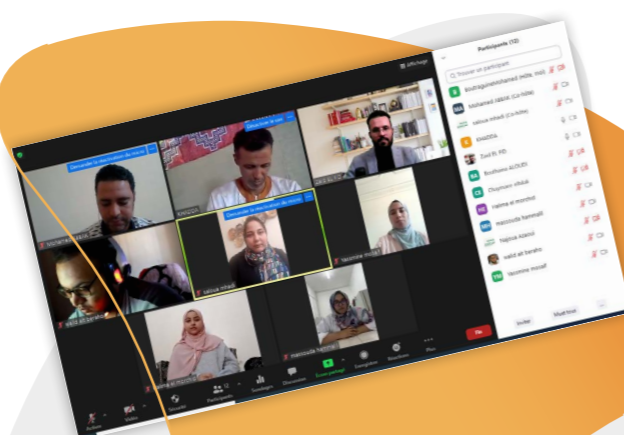
Open to young people between the ages of 18 and 35, the Job Training program is one of the programs offered by the Phosboucraa Foundation’s Learning Centers. Its objective is to develop the technical skills of young people in the South in promising sectors, particularly those related to digital transformation. The program includes three types of training aimed at stimulating the entrepreneurial

7th PROMOTION
OF THE JOB TRAINING PRO-
GRAM

120 NEW
REGISTRANTS

26 YOUNG PEOPLE
FROM THE REGION OF
GUELMIM OUED-NOUN

spirit in young people, encouraging their autonomy and enhancing their profiles: digital marketing, computer graphics and SAGE accounting. The pedagogical approach focuses on the development of technical skills and includes modules for learning foreign languages (English and French) as well as transversal modules dedicated to personal development (Soft Skills) and initiation to entrepreneurship. Since its launch, the job training program has trained nearly 600 young people from the three southern regions.



LEARNING CENTER WEBINARS



2021

425 people, including business leaders and project idea holders, participated in the 19 webinars organized by the Learning Centers of the Phosboucraa Foundation in 2021. Indeed, since the beginning of the Covid-19 pandemic, the Phosboucraa Foundation has proceeded to the digitalization of all the programs provided by its Learning Centers in LAAYOUNE and Dakhla, in order to ensure the continuity of their activity. The centers have launched a series of online conferences involving the entire local and national ecosystem, including institutions, influencers, experts and associations.

Based on a diversified and rich program, these webinars aim to raise public awareness of innovative entrepreneurship, create a dynamic around the subject, and finally, to revive the collective spirit of local youth. These virtual meetings also allow the promotion of the programs and activities of the Phosboucraa Foundation in the Southern regions and consequently, to widen the scope of the beneficiaries.

19 HELD
WEBINARS

425 PARTICIPANTS

SCHOLARSHIPS TO PROMOTE ACADEMIC EXCELLENCE



2021

Established in 2014 in partnership with Jadara (formerly the Moroccan Student Foundation (FME)), the Phosboucraa Foundation Excellence Scholarship program has enabled 46 young people to continue their higher education in 2021. 36 of them have integrated private schools and universities in Morocco and 10 have had the opportunity to continue their studies abroad.

This scholarship program, financed by the Phosboucraa Foundation, targets deserving young graduates from disadvantaged social backgrounds and from the three southern provinces of the Kingdom. In total, since the launch of the Phosboucraa Foundation Excellence Scholarships, 157 scholarship holders have been supported, of which 151 have already graduated and 6 will complete their studies in 2022. Far more than financial support, this program allows the scholars to broaden their horizons and perspectives through a comprehensive and customized support system guaranteeing their success in the pursuit of excellence, while strengthening their capacities and empowering them.

46 STUDENTS
SUPPORTED IN 2021 INCLU-
DING :

36 STUDENTS
IN MOROCCO



10 STUDENTS
ABROAD



HEALTH AND INSTITUTIONAL SUPPORT:

CHILDREN AND DISABILITIES AT
THE HEART OF OUR ACTIONS

THE CNMH AND THE FOUNDATION ALONGSIDE PEOPLE WITH DISABILITIES

 **LAAYOUNE, Boujdour and Es-Semara**
 **8th, 9th and 10th of July 2021**

As part of a partnership between the Phosboucraa Foundation and the Mohammed V Foundation for Solidarity (FMV), 202 orthopedic devices were delivered on the 8th, 9th and 10th of July 2021 by the Mohammed VI National Center for the Disabled (CNMH) of the FMV for the benefit of 68 disabled people from the region of LAAYOUNE-Sakia El Hamra.

This action is a continuation of the multidisciplinary medical caravan organized in 2019 in the four provinces of the region LAAYOUNE-Sakia El Hamra, during which 68 potential beneficiaries of prostheses and orthoses were identified.

In order to ensure that the prostheses are perfectly adapted to the needs and morphology of the beneficiaries, a team of ortho-prosthetic specialists from the CNMH in Salé was mobilized alongside the teams of the Phosboucraa Foundation. Sessions of measurements and fittings took place in March 2021, in strict compliance with health measures.

 **202**
ORTHOPEDIC DEVICES
 distributed to **68** beneficiaries:


130 **ORTHOPEDIC DEVICES**
 for **39** people in **Laayoune**

38 **ORTHOPEDIC DEVICES**
 for **14** people in **Es-Semara**

34 **ORTHOPEDIC DEVICES**
 for **15** people in **Boujdour**




SOCIAL CENTERS FOR CHILDREN IN VULNERABLE SITUATIONS

 **Guelmim**
 **2019-2023**

In order to promote the autonomy and inclusion of people with disabilities in the southern regions of Morocco, the Phosboucraa Foundation, in partnership with the Mohammed V Foundation for Solidarity, is supporting the building of a social center that will constitute the regional section of the Mohammed VI Center for the Disabled in Guelmim (CNMH).

This multidisciplinary structure dedicated to people with disabilities, living in the city of Guelmin and its region, will cover an area of 1.5 ha. With a capacity of 200 people, it will offer multidisciplinary services in multiple areas: vocational training, social integration, medical assistance, sports and educational activities ... In addition to taking care of children and adults with disabilities, the regional section of the Mohammed VI Center for the Disabled in Guelmin will also provide educational support as well as assistance to families. All these services and benefits will ensure a real inclusion of these people and their surroundings within society.

 **Boujdour**
 **2019-2022**

As a major stakeholder in human development in the southern regions, the Phosboucraa Foundation supports institutional efforts to improve the quality of social services and strengthen social welfare institutions, particularly in the city of Boujdour. In this sense, the Phosboucraa Foundation supports the activities of the Moroccan League for Child Protection.

The Foundation's contribution consists of the construction of a reception and care center for children in difficult situations in Boujdour, which will meet the required standards for the well-being and health of young people. The Foundation will also provide the equipment necessary for the operation of the center.

With a surface area of 500 m2 divided over 3 floors, this center will provide reception and accommodation for orphaned or abandoned children, or children from disadvantaged families, with a capacity of 50 beds. The center will also house a nursery that will be able to accommodate a total of 80 children.

1,5 ha
 CENTER AREA

200
 TARGETED BENEFICIARIES

50 **BEDS**
 CAPACITY

80 **CHILDREN**
 CAPACITY OF THE NURSERY



**THEY PAID
US A VISIT !**

RECEPTION OF THE DELEGATIONS IN LAAYOUNE AND DAKHLA

Dakhla Learning Center welcomes an American delegation

Alongside the opening of the U.S. Consulate in Dakhla on January 10, 2021, a delegation of senior U.S. officials visited Dakhla Learning Center (DLC), the skills development center of the Phosboucraa Foundation. During this visit, the members of the delegation had the opportunity to discover the development model of the Phosboucraa Foundation and its impact on the populations of the southern regions, through the various training workshops, both on-site and remote, that they were able to visit.

The exchange with the beneficiaries continued at the Cultural Lounge of Dakhla Learning Center where an exhibition of activities and citizen initiatives was organized. An opportunity for the delegation to learn about the economic projects carried out by young entrepreneurs, accompanied by the Phosboucraa Foundation.

Visit of the Gulf States Ambassadors to the Fom El Oued Technopole

As part of a visit to structuring development projects that took place on June 26, 2021 in Laayoune, Ambassadors of the Gulf States visited the African Institute for Sustainable Agriculture Research (ASARI) of the Mohammed VI Polytechnic University which is the first component of the Fom El Oued Technopole built by the Phosboucraa Foundation.

After the introduction to ASARI, the delegation was invited to visit the laboratories. It was thus able to discuss current research projects with the researchers and discover the processes and technologies used.

Nigerian Academics at Laayoune Learning Center

On the 28th of July 2021, Nigerian academics visited the LAAYOUNE Learning Center, the skills development center of the Phosboucraa Foundation. They toured the four floors of the center and enjoyed the constructive exchange they had with the various participants in the workshops held that day.

The second step of the academics' visit to ASARI also delighted the Nigerian delegation. "I didn't think there was a research institute of this size in Laayoune," said one of the visitors.

National institutions visit the southern regions

In addition to foreign delegations, the projects of the Phosboucraa Foundation, whether within its Learning Centers or at the level of ASARI, are regularly visited by institutions,

During the year 2021, the OFFPT visited ASARI on the occasion of the research days, organized on the 1st and 2nd of June. A visit to the LAAYOUNE Learning Center of the Phosboucraa Foundation also took place. It was an opportunity to discover the working methodology adopted by our platform of innovative entrepreneurship, and to share the good practices used by both institutions. The exchange with the beneficiaries of the Learning Center also marked this visit as it allowed the visitors to see first hand the impact of our training programs on the members and on the development of their skills.



A photograph of a group of people in a computer lab. In the foreground, a woman wearing a blue hijab and a white face mask is making a peace sign. Next to her, a man in a white t-shirt and white face mask is also making a peace sign. Behind him, another man in a black hoodie and white face mask is giving a thumbs up. They are all sitting at desks with computers. The background shows other people working at computers. The image is overlaid with a green and orange geometric design.

A SPECIAL **THANK YOU** TO ALL OUR PARTNERS.

We are grateful to all our partners who accompany and support us in all our projects. A big thank you also goes to the Foundation's teams for their professionalism and commitment and, finally, to the beneficiaries who inspire us to go further.



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