

# Newsletter

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**MINISTRY OF WATER  
RESOURCES AND THE  
ENVIRONMENT**



Over the two years since signing the partnership agreement between the Algerian government and R20, R20 MED has initiated pilot projects and actions towards a low carbon economy in partnership with many local, national and international partners. Through this newsletter

we wish to share with you the dynamism created thanks to partnerships with local authorities, public and private economic actors and civil society. This newsletter will also be available on the R20 MED website, to be launched September 2015.

- The R20 MED Team -



## HOUSEHOLD WASTE SORTING AT THE SOURCE

# Official launch on April 25<sup>th</sup> in Oran

In partnership with the Oran Environment direction, the household waste sorting at the source project was officially launched on April 25<sup>th</sup> 2015 in two pilot neighbourhoods: “Akid Lotfi” and “AADL Pépinière” in Oran under the endorsement of Mr. Abdelghani Zaalene, the Wali of Oran, and with the participation of Mr. Mekkakia Mohamed, head of the Oran Environment direction, Christophe Nuttal and David Albertani, the Executive Director of R20 and the Program Director of R20 Geneva, respectively. The event was marked by the inauguration of the first sorting line for dry recyclables at the Hassi Bounif landfill. The operation was preceded by 5 open days in the two neighbourhoods, with the involvement of all the partners and stakeholders of the project. This initiative has allowed the creation of jobs for youth both in the neighbourhoods and at the sorting centre alike.

The first results of the project are very promising: increasingly more households are complying with waste sorting at home and new behaviours are adopted daily. The formal process of waste recovery, sorting and reclaiming is also starting up. The launch of household waste sorting has been preceded with an extensive information and training campaign, reaching citizens, the education sector and various associations in both targeted neighbourhoods.

With support from its partners and the enthusiasm at the ground roots, R20 MED has decided to pursue and reinforce the training, communication and information initiatives targeting inhabitants and retailers to ensure the practice of household waste sorting in Oran.

The success of the project will contribute to the expansion of household waste sorting in the whole Wilaya of Oran.



## Official set up of a waste sorting committee by the Oran Environment direction

On March 24<sup>th</sup> 2015 in Oran Mr. Abdelghani Zaalene (*Wali of Oran*) has officially appointed a monitoring committee for household waste sorting for the Wilaya of Oran. The Committee is composed of the following members: representatives from the Oran directions of Environment, Regulation and General Affairs, Local Administration, Health and Population, Social Action and Solidarity, Work, Employment of Social Security, Industrial Development and Promotion of Investment, Professional Development, and Education, the Environmental and Health Commission of the People’s Assembly of the Wilaya (*APW*), the relevant *Dairas* and municipalities (*APCs*), the company in charge of landfills, Oran Proprete the

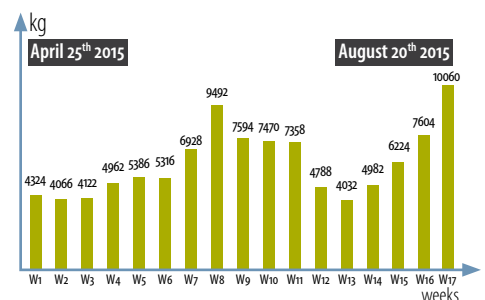
company in charge of waste collecting, environmental and social associations, the media and R20 MED. Its goals are as follows:

- Create and implement a formal process for household waste sorting
- Ensure the supervision and monitoring of the waste sorting process
- Organize communication, education and training initiatives in the sphere of household waste sorting and recycling
- Ensure the cleanliness of the environment

On June 11<sup>th</sup> 2015, chaired by Mr. Mekkakia Mohamed, the head of Oran Environment direction, the first meeting focused on evaluating the state of implementation of the waste-sorting project. Mobilization of all stakeholders through continuous initiatives on the ground was recommended in order to ensure the success of the pilot projects implemented in “Akid Lotfi” and “AADL Pépinière”.

### Some information on the recyclable waste collected in the two neighbourhoods

The sorted and recovered waste from the designated recycling containers installed in the two pilot neighbourhoods of “Akid Lotfi” and “AADL Pépinière” are taken to the waste sorting line at the Hassi Bounif landfill. The total amount of potentially recyclable collected waste is approximately 105 tonnes since the launch of the program (on April 25<sup>th</sup> 2015) up until August 20<sup>th</sup> 2015.



**Amount of recyclable waste sorted at the level of the waste sorting line (kg/week)**

SOURCE: EPIC LANDFILL OF ORAN, AUGUST 2015

# Waste sorting 4 months later

## State of affairs

Four months following the launch of the waste sorting project in the “Akid Lotfi” and “AADL Pépinière” neighbourhoods, we already witness encouraging and important results: citizens have adopted new eco-friendly behaviours. Waste is sorted and recyclable waste recovery from the designated bins, reached 70% in “AADL Pépinière” and over 60% in “Akid Lotfi”. The latter is seeing constant improvement. For the two neighbourhoods combined, about 1 tonne/day of dry recyclable waste is recovered at the waste sorting line.

## Extension to “Akid Lotfi”

Initially, implementation of the waste-sorting project in the “Akid Lotfi” neighbourhood covered only 50% of the area. Extension to the remaining of the area is planned for the 12th of September 2015. An information and sensitization campaign will precede the installation of the relevant bins by means of outreach to residents and tradespeople in the relevant areas.

## Extension to the city of El-Ryad

For over a year from its own initiative the Hasnaoui group, through its management company GIRYAD, has been carrying out waste sorting in the city of El-Ryad, encompassing over 1800 households. As a result, the management company has decided to partner with R20 MED with regards to the waste-sorting project (training, public activities aimed at residents, sorting, etc.)

## Job creation and integration and training contracts

The implementation of the waste-sorting project has been accompanied by job creation at the level of the waste sorting line. In the “Akid Lotfi” neighbourhood, the integration and training agreement mechanism (CIF mechanism) from the Employment Ministry allowed for the recruitment of about ten young people for the management of the recycling bins and the monitoring of the operations on the ground. The extension of the operation to the other areas of the neighbourhood will be accompanied by the creation of new jobs through the same agreements ●



## OUTREACH

### Five open days

For the official launch of the project of household waste sorting at the source in the two pilot neighbourhoods of “Akid Lotfi” and “AADL Pépinière”, totaling 42,000 inhabitants, R20 MED organized open days benefitting the citizens of those neighbourhoods from the 23<sup>rd</sup> to the 27<sup>th</sup> of April 2015. The organization and execution of these open door events relied upon the broad involvement of local partners through their roles in facilitation and consultation with all the stakeholders, from top to bottom.

Marquees were set up in order to inform and make aware the inhabitants and retailers of the neighbourhoods about waste sorting. Brochures, fliers, posters and stickers were distributed. The success of the actions rested upon the great involvement of local actors as well as on the strong mobilization of different groups of people convened by R20 MED: peer educators, neighbourhood committees, management bodies, association members, and trained students from 13 educational establishments. They led promotional and educational initiatives in order to publicize waste sorting, the necessity of the practice and its usefulness for society ●

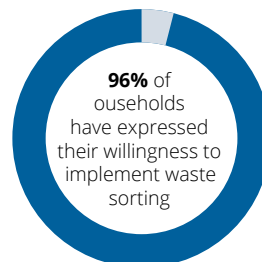
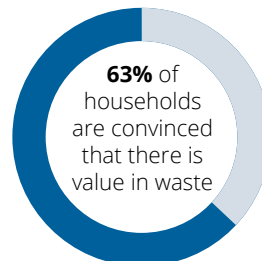
## Door-to-door campaign in “Akid Lotfi” neighbourhood

Starting in March 2015, door-to-door activities on waste sorting were conducted by about twenty youth convened by R20 MED as well as members of the El-Moussalaha association in the “Akid Lotfi” neighbourhood. Almost 1000 households were visited. The individuals conducting the campaign had reported that

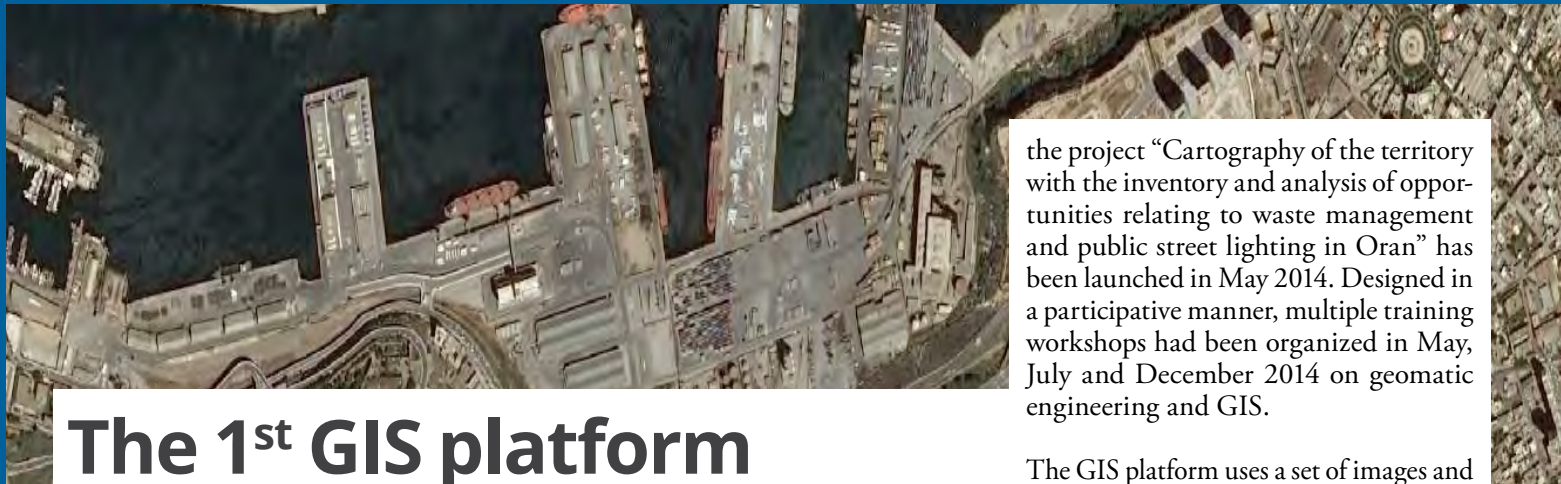
the households were receptive and very interested in the waste-sorting project. Working in such close proximity with recipients of the program allowed for the identification of areas where more attention might need to be given within the information and sensitization efforts in order to achieve waste sorting compliance ●

## SURVEY

from 268 households before the launch of waste sorting (march 2015)







## The 1<sup>st</sup> GIS platform prototype soon to be operational in Oran

The Wilaya of Oran has acquired a new tool to help with decision-making. As part of the partnership agreement between the Algerian government and R20, a geographic information system (GIS) dedicated to waste management and public street lighting has been deployed for the benefit of institutions of the Wilaya of Oran. With the support of R20, it has been developed by a team of national experts in consultation with all

the relevant stakeholders and potential users: the Wilaya of Oran, the environmental sector (*the Ministry, Agencies and the Directorate of the Wilaya*), the company in charge of landfills, ERMESO the company in charge of public lighting, municipalities of Es-Senia, Sidi Chami, Tlétat, Bir-el-Djir, Oran and El-Kerma.

In collaboration with the Wilaya of Oran and the Directorate of the Environment,

the project “Cartography of the territory with the inventory and analysis of opportunities relating to waste management and public street lighting in Oran” has been launched in May 2014. Designed in a participative manner, multiple training workshops had been organized in May, July and December 2014 on geomatic engineering and GIS.

The GIS platform uses a set of images and high resolution satellite data enriched with information on the terrain (*location of lit up areas and electrical cabinets, etc.*) to give a truthful representation in the different areas of application, specifically: waste management and public street lighting. This platform offers the opportunity for potential users to collaborate and use it for operational, decision-making and strategic purposes. Today, the platform encompasses the Oran area.

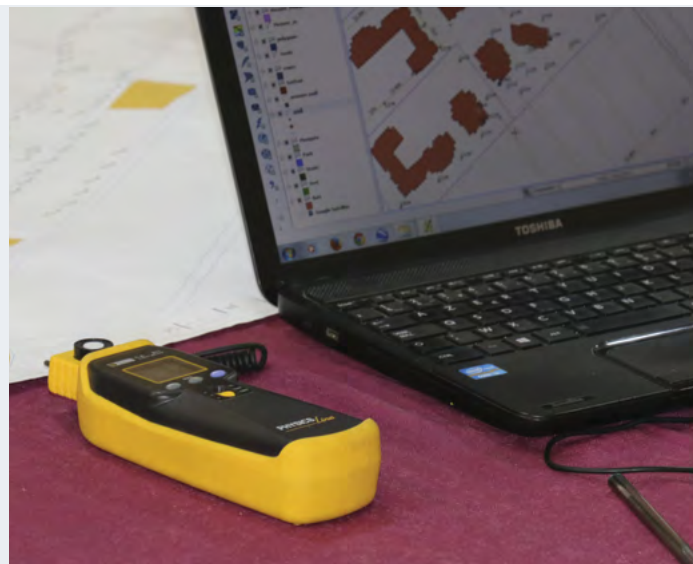
A demonstration of the first prototype of this platform is planned in the near future in order to study the opportunity of its extension to the entirety of the Wilaya of Oran and other wilayas of Algeria.

### LED

## A test operation of LED street lighting in Oran

The new LED street lighting technologies are very promising. They allow for greater lighting output, a lifetime 5 to 10 times than other lighting technologies and most importantly low energy consumption. LED public street lighting guarantees great energy savings and puts less pressure on the electrical grid, especially in times of overcapacity.

As a demonstration, the R20 MED office has prepared LED street lighting in one city. This operation is executed in partnership with the wilaya of Oran, the municipality of Bir El Djir, the company in charge



of public lighting in the city of Oran (ERMESO) and PHILIPS Maghreb. For this purpose, two night outings were organized in the city to assess the current state and execute a photometric study.

In parallel, local authorities had

decided to refurbish the public lighting at other sites in the city of Oran using LED lamps. The new city garden, recently inaugurated on the coast of East Oran and brought about under the lead of the Environmental Directorate of the Wilaya of Oran, is partly equipped with LED lamps.







## ECO-CONSTRUCTION

# Set up of the eco-construction "pôle de promotion" in Oran

Following its creation in December 2014 under the leadership of the Wali of Oran, the eco-construction promotion pole has been officially put in place by the Director of the Environment.

Initiated, among others, by the REME (*Network of Businesses in Maghreb for the Environment*), Batimatec and R20 MED, this pole has as an objective to encourage system integration by the various actors in the building sector, while preserving the environmental aspect and reducing energy consumption during construction. It has three main missions. Firstly, organizing consultations between different local actors and institutions, administrations and national public and private organizations connected to the sector. Secondly, initiating and developing demonstration projects in the eco-construction sector and organizing meetings, seminars and workshops on any issues relating to the regulation of electricity and energy efficiency in buildings. Thirdly, diffusing ideas and recommendations on any proposals submitted by the Wali of Oran.

The pole is composed of public and private institutions, representatives from the environmental, energy, housing and town planning sectors, representatives from the order of architects, industries specializing in the production of construction material (*Lafarge, Knauf*),

representatives from REME, USTO, the National Agency for Climate Change (*ANCC*), Batimatec Expo, the Oranian Chamber of Commerce and Industry, Energy Construction (*Construction Energetique*) and R20 MED.

The pole has included in its action plan the organization of workshops aimed at the transfer of knowledge on eco-construction and energy efficiency, and putting it in practice in the context of professional activities as well as the launch of pilot projects in the field. As such, the first workshop has been organized from the 20<sup>th</sup> to the 22<sup>nd</sup> of January 2015 in Oran under the theme "Energy efficiency and thermal insulation of buildings" which brought together about 70 participants.

## Partnership with Construction21

Following the partnership agreement signed on May 26<sup>th</sup> by Michèle Sabban, President of R20, and Christian Brodhag, President of Construction21, multiple initiatives have been initiated, including an international competition: "Green Building Solutions Awards 2015", each year showcasing building professionals and exemplary solutions helping in the struggle against climate change.

Furthermore, an online platform project will be put in place in the context of the activities under the eco-construction promotion pole instituted in Oran.

This platform will allow professionals in the eco-construction sector to exchange and share best practices.

## COMPOST

# Installation of a pilot composting unit for organic waste

A pilot project for the reclaiming of organic and green waste is in preparation, to be put in place at the Hassi Bounif landfill in Oran.

R20 has conducted a feasibility study for the project, conducted training on the specific methods of compost production and acquired the equipment for the pilot unit comprising of two containers.

The compost will be produced from waste generated at the level of the wholesale markets in Oran (*4 to 12 tonnes of wasteday, 80% of which is fruits and vegetables*) as well as green waste. Following sorting and collection, this waste will be transferred to the landfill to be turned into compost. In preparation, the business in charge of managing the wholesale market has begun to implement sorting of the waste it produces, generating a non-negligible amount of dry recyclables that is transferred to the sorting line recently put in place at the Hassi Bounif landfill.

Additionally, a partnership is planned with the environmental protection sector of the municipalities of Oran and Bir-El-Djir as well as with the Forest Conservation Directorate for the recovery of green waste from pruning.

A technical team has been put together for the management of this project that will be put in charge of, among other things, the implementation of the composting unit, the control and the monitoring of the process.



and tradespeople.

The adopted approach allows for these ambassadors to flourish and to express themselves through means of active and participative citizenship, exploration and learning.

Eleven eco-citizen training sessions were provided through interactive educational approaches on the topic of waste sorting and socio-cultural activities, each one lasting two days. About ten peer educators, 50 teachers, over a hundred students and 20 residence managers had participated in the workshops. They had learned scientific knowledge necessary for leading the socio-cultural activities and outreach efforts such as door-to-door campaigns and open days on waste sorting in the cities targeted by the project.

**G**iven the fact that the success of the waste sorting project depends on the involvement of all the stakeholders in the area, the tailored approach put in place consisted of training, informing, educating and making aware the target audiences: citizens, youth, teachers and students,

associated members, neighbourhood managers, and other operational actors such as custodians and concierges of selected residences. On the other hand, the approach relies on organizations based on the ground to enforce the information and awareness efforts on waste sorting to targeted households

Every project inherent to the enhancement of quality of life and hygiene must rely on the elaboration of a strategy and communication plans adapted to the context, aimed at informing, educating and making aware citizens so that they take part to activities targeting the community ●

## IN BRIEF

# Training & Education

*Over 50% of the actions organized by R20 MED deal with training and education, with the objective to perform one or two training sessions per month.*



## Training of contract agents in the "Akid Lotfi" neighbourhood

Training of youth recruited by the CIF mechanism to participate in ground root tracking of the waste sorting project. The recruitment was organized in partnership with the Directorate of the Environment, the Directorate of Employment and the Oran municipality (El Menzah sector) ●



## Training of peer educators

To strengthen the implementation of the household waste sorting pilot project, R20 MED formed "ambassadors" as peer educators on waste sorting, socio-cultural activities, and eco-citizenship. Following two training sessions organized in September and December 2014, a third training session was organized with twenty participants (students and officials) ●



## ANIMATION & EDUCATION

# Great moment dedicated to animation and discovery targeting students from schools in the "AADL pépinière" neighbourhood

Complementing activities executed in schools, a great moment has been dedicated to education on environmental protection targeting students from schools in the city of "AADL Pépinière".

### Educational workshops

In order to prepare children for their role as key players in the future



of our planet, the Fleming Welt company, made up of professional animators, has contributed by holding three workshops for the benefit of a hundred children with the objective of awareness in a playful and creative way to waste management issue and the solutions through recycling.

This event gave to the children the opportunity to learn about plankton, plastic and oil, to produce dolls and to compose music tracks using "Mr. Plastic Bag".

Additionally, during the World Environmental Day, a show was performed on the 4<sup>th</sup> of June 2015 at the Ahmed Wahbi municipal conservatory. With a wonderful storyline about the fate of abandoned plastic bags, it brought to life a character called "Plastok" who entirely caught the attention of the young audience about the environmental hazards of polymers.

### Visiting the landfill

Led by representatives from the landfill, from R20 MED and supervised by teachers and neighbourhood committee, a visit to the recyclable waste sorting area of the Hassi Bounif landfill was organized on May 21<sup>st</sup> 2015 for a hundred students from three educational centres in the "AADL Pépinière".

All these playful demonstrations prepare the children and their parents to play a key role in their neighbourhoods and to make them aware to issues related to global warming as well as to solutions for saving our planet.



## Training of representatives from the wholesale market

An information and training session on waste sorting and composting was organized targeting maintenance agents from the fruit and vegetable wholesale market of El Kerma. Visits are regularly scheduled for the operation tracking.

This action results from a partnership approach involving the company in charge of the management of the wholesale market of El-Kerma.



## Training of maintenance agents from the Ryad residence (Hasnaoui Group)

With the aim of sharing experiences and to extend waste sorting operation, a training session including thirty maintenance agents of Ryad residence was organized. This action results from a partnership between R20 MED and GIRYAD (company in charge of the management of Ryad Residence).



## COP21

# Participation at MED COP21 in Marseille

From June 4<sup>th</sup> to 5<sup>th</sup> 2015 in Marseille, R20, represented by its President, Michèle Sabban, and R20 MED had participated in the forum for the Mediterranean region involving civil society in view of the COP21 global conference on climate that will be held in Paris on December 2015.

MED COP21 brought together representatives from local communities, entrepreneurs, economic and social decision-makers, researchers and associations from the Mediterranean region.

This forum was an opportunity to remind of the urgency of defining a shared strategy for the struggle and the adaptation to climate change and a collective mobilization within the Mediterranean region, one of the regions where the impacts of climate change will be most significant.

In order to cope with the vulnerability of populations, the necessity of acting and putting in place concrete action programs adapted to specificities of regions was also highlighted.

In addition, in the spirit of the responsibility tied to the energy transition issue, a roadmap developed by the participants of a workshop for the south coast of the Mediterranean Sea on the energy efficiency of social housing buildings, which lasted from the 1<sup>st</sup> to the 3<sup>rd</sup> of June in Marseille, was presented at MED COP21.

After this meeting, organizing an annual MED COP was decided upon in order to monitor the implementation of concrete propositions of tangible solutions selected in the final declaration of the MED COP21 and to showcase best practice solutions developed by actors from both coasts of the Mediterranean Sea.

## “Energy Efficiency in buildings” a Mediterranean workshop

### Focused on social housing

A workshop entitled “Energy Efficiency in buildings in the Mediterranean region – focus on social housing”, jointly organized by ADEME and MEDENER (*Mediterranean Association of National Agencies for Energy Efficiency and the Development of Renewable Energies*) was held from the 1<sup>st</sup> until the 3<sup>rd</sup> of June 2015 at the headquarters of CEFEB (*Centre of Financial, Economic and Banking Studies*) of the French Development Agency in Marseille.

This workshop brought together about fifteen participants (*study offices, architects, representatives from national institutions and experts*) from Algeria, Lebanon, Morocco and Tunisia.

The objective of this workshop centered around energy efficiency in buildings, an issue that is essential for the reduction of energy consumption and is in line with sustainable development in the Mediterranean region.

Participants took advantage of this opportunity to share experiences and to elaborate a roadmap to present during the MED COP21 on the 4<sup>th</sup> and 5<sup>th</sup> of June 2015.

The construction of efficient buildings complying with thermal regulations allows for an energy saving of more than 50% of the energy bill according to the countries.

The social housing sector represents a particular concern in this context, with the necessity to reconcile efficient buildings, integration of renewable energy sources and the moderate cost allowing the access to housing for vulnerable populations.

This training workshop had allowed the participants to strengthen their knowledge on the main principles of sustainable development and to apprehend all the regulatory, financial and social aspects tied to energy efficiency projects for buildings, and in particular social housing.





## World Summit on Climate and Territories, Lyon 2015

**R**20 had participated in the World Summit on Climate and Territories on the 1<sup>st</sup> and 2<sup>nd</sup> of July 2015 in Lyon. It was an important meeting of local communities, all non-state actors, NGO, Associations, Unions, civil society, economic actors, youth, women, researchers and experts.

The Territories are in the first line in the fight against climate change and their contribution is crucial for the success of COP21 by submitting their proposals and commitments to different decision-makers. This summit was an opportunity to remind that education, informing, awareness and training are the principal factors for contributing, acting on and coping with climate issues. Taking in account this aspect, the training coordinator of R20 MED presented the household waste sorting pilot project in the two neighborhoods in Oran. The approach applied ahead of it was based on training, mobilization of “ambassadors”,

outreach actions aimed at citizens and continual consultations with representatives of local communities.

Environmental and sustainable development education is a strategic tool for citizens involved in the energy transition.

Other topics have been debated in the workshops: the low carbon economy, forests, adaptation, land use planning, decentralized cooperation, economic development and the climate, youth and local leaders versus climate change. The recommendations from these that were presented in the plenary were strongly supported by all the participants of the Summit.

This summit was a strong point in terms of preparation for the 21<sup>st</sup> Conference of the Parties (COP21) that will take place in Paris from the 30<sup>th</sup> of November to the 11<sup>th</sup> of December 2015.



## The media: an essential partner

**S**ince the signing of the partnership framework agreement between the Ministry of the Environment and R20 and the beginning of the action of R20MED at the level of the Wilaya of Oran, the media have played a crucial role. As a result, all the activities happening on the ground have been widely covered by the media: the waste sorting project implemented in the two pilot neighbourhoods of Oran, the preparation of a GIS platform on waste management and public street lighting as well as all the relevant information on all the workshops organized at the local, national and international levels.

The interest displayed by more and more local and national institutions and by citizens indicates the important role that the media play (newspapers, radio, television and online alike) in informing, educating and mobilization of actors. The media truly constitute an essential partner.

### CLIMATE CHANGE

## Preparation of an international symposium on climate change

**R**20 MED has been invited to contribute to the preparation committee for the symposium “Climate Change: a reality to take into account in development trajectories: Modeling, Spatial tools and Adaptation”, which will happen from

the 4<sup>th</sup> to the 6<sup>th</sup> of October 2015, in Algiers.

This symposium is organized by the ASAL (Algerian Space Agency) with the support of the United Nations Office for Outer Space Affairs

(UNOOSA). The symposium has the following targets : to evaluate the observed climate change in the Mediterranean region, to identify the means for developing scientific knowledge on climate change, in particular with the use of the spatial tool, as well as to share experiences in the strategies for regional cooperation.

This symposium aims to establish a platform of recommendations as a base for the international negotiations on climate change at the Conference of the Parties (COP21) to happen between the 30<sup>th</sup> of November and the 11<sup>th</sup> of December 2015 in Paris.

## EVENEMENTS

### PEOPLE'S ASSEMBLY OF THE WILAYA (APW)

#### Day of learning and consultation on household waste sorting at the APW of Oran

Following a meeting of exchanges that happened on the 16<sup>th</sup> of February 2015 between representatives from the commission on health, hygiene and environmental protection of the APW of Oran and the R20 MED team, a day of study and consultation on household waste sorting was organized in the Assembly Chamber of the wilaya of Oran on the 14<sup>th</sup> of June 2015, in partnership with the Commission on health, hygiene and environmental protection of the APW of Oran.

After the official opening of the day by Mr. Belkheir Benkhelfa (*President of the Commission*) who emphasized the full commitment of the APW and of the Environmental Commission towards working on the bettering of the situation at the level of the Wilaya of Oran. The Director of R20 MED presented the experiences with the household waste sorting pilot project in the two neighborhoods of "Akid Lotfi" and "AADL Pépinière".

The 60 participants, representing the elected from the APW, the Directorate of the Environment, the municipalities (*APCs*), the associations, and journalists, have wholly contributed in the debate oriented towards a common vision on the question of waste valorization in Oran, including waste sorting at the source.

During this meeting, Mr. Belkheir Benkhelfa had informed the audience that the APW had voted on a budget of 55 million of DZD for the acquisition of recycling bins for the wilaya of Oran. This constitutes an important element that strengthen the different initiatives happening on the ground.

The closing speech was given by Mr. Abdelhak Kazi-Tani (*President of the APW of Oran*) who insisted upon the benefits of continuing working in cooperation and consultation between the different stakeholders, inviting the assembly to participate in meetings concerning other topics of common interest for the city.



### THE ENERGY ECONOMY

#### 2<sup>nd</sup> Conference on Energy and the Environment in Algiers, June 8<sup>th</sup> and 9<sup>th</sup>, 2015

The 2<sup>nd</sup> International Conference on Energy and the Environment (*CIEE 2015*) held on the 8<sup>th</sup> and 9<sup>th</sup> of June 2015 in Algiers by the cabinet "Symbiose communication environnement", in partnership with CDER (*Center for the Development of Renewable Energies*). This meeting lasted for two days and

brought together 400 participants and 30 exhibitors with the topics of climate change, renewable energy and industrial waste management. This conference was an opportunity for R20 MED to present on the experiences with household waste sorting in Oran. Particular interest had been paid to the actions unfolding on the ground.





## “Cities and Sustainable Energy” national conference in Algiers

**O**n June 10<sup>th</sup> 2015 the national conference on Cities and Sustainable Energies took place in Algiers, as organized by APRUE (*the National Agency for the Promotion and Rationalization of Energy Use*) in order to start a national debate on energy efficiency and sustainable energy in Algeria at the level of local communities. For this occasion, the Director of R20 MED presented the experiences with household waste sorting in Oran in terms of the approach and lessons learned. This conference saw the participation of national bodies (*Ministries of Energy, of Foreign Affairs, of the Interior and Local Communities, of Water and the Environment*), Algerian communities affected by the project financed by the European Union (*Batna, Boumerdes et Sidi Bel Abbès*), South Mediterranean (*Lebanon, Morocco and Tunisia*) and European (*France*) as well as international bodies (*PNUD, ESCWA, GIZ, MEDNER, CES-MED*). In order to reinforce the collaboration between APRUE and R20 MED, the two parties agreed to sign soon an agreement with the objective of implementing a framework adapted to the development of a sustainable cooperation in the area of energy efficiency and clean technologies in the cities ●



### PROTECTION OF THE COASTLINE

## Participating in the operation “Blue Port, Blue Dam” in Oran

**O**n Saturday 9<sup>th</sup>, May 2015, R20 MED was invited by the marine ecological association Barbarous to conduct an information event for the 3<sup>rd</sup> edition of the “Blue Port, Blue Dam” day organized by the Ministry of Fishing and Fishery Resources.

Mr. Abdelghani Zaalene, Wali of Oran, and the Secretary General of the Ministry of Fishing kicked off the day. Multiple activities had been organized, including the cleaning

of the bottom of the port of Oran by about twenty professional divers, recovering over a ton of waste. The R20 team gave a bilingual presentation on waste sorting and waste management. A presentation was given on the approach that R20 adopted in this regard, the implemented actions and above all the experience with the two pilot projects in the neighborhoods of “Akid Lotfi” and “AADL Pépinière” ●



## 4<sup>th</sup> National Forum of Green Clubs

**O**ran hosted the 4<sup>th</sup> National Forum of Green Clubs from the 22<sup>nd</sup> to the 24<sup>th</sup> of March 2015, bringing together over 500 students, educators and teachers, coming from 22 wilayas including those from the south of the country.

The program was run under the slogan of “Conclusion of the UN Decade of Education for Sustainable Development”. It included educational activities by means of a showcase of the work of the green clubs in the field of environmental education and

educational, touristic and cultural tours enriched by the initiative of planting 200 trees in the Murdjadjo highlands. R20 MED supported the organization of the Forum and contributed as a partner through giving a presentation on its project “Household waste sorting at the source” in front of an audience of more than 500 participants, students, teachers and educators. The presentation caused much interest, so much so that the topic of waste sorting was chosen as the central topic for the Forum of Green Clubs 2016 ●

# WHO ARE WE?

## R20

R20 – Regions of Climate Action is a non-governmental organization founded in 2010 by multiple international figures, including Arnold Schwarzenegger as president founder, and by representatives of local authorities, local and regional communities, private companies, international organizations and academic and financial institutions.

Its aim is to promote and implement projects with strong economic and environmental added value, with crucially, a reduction in energy consumption and greenhouse gas emissions, strengthened local economies, bettering of public health and creation of green jobs. These local and regional actions aim to transform the constraints linked to climate change into opportunities for low carbon development.

## R20 MED

Following the signing of the Partnership Framework Agreement between the Algerian government, represented by the Minister of the Environment, and R20, on the June 25<sup>th</sup> 2013 in Algiers, for the conception and realization of a pilot program for a green economy in the Wilaya of Oran and responding to governmental and local demands, the Mediterranean pole of R20 (R20 MED) was set up in Oran.

The three areas of action of R20 MED are management and valorization of waste (“zero waste”), energy efficiency and renewable energies.

R20 MED has as its mission the development of a portfolio of projects and training initiatives for a proper execution of its projects ●



Bales from the sorting of recyclable waste collected



## R20 MED

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