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into actions

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Flores-Malacca
in La Reunion,
a bioclimatic urban
management
pilot project.



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EDITORIAL

The Paris Agreement is progressing: at the beginning of September 2016, 26 countries including China had already ratified it. However, there are still huge steps to take to limit warming to 2°C by 2100. In order to meet that challenge, civil society actors are taking the necessary steps to implement the 70 initiatives of the Climate Action Agenda. ADEME is taking part in a number of these initiatives.

The MEDCOP Climat event was the chance for the presidents of the various regions around the Mediterranean to publish for the first time a joint Declaration to tackle climate change. The next Climate Chance summit in Nantes will enable participants to draw up roadmaps on the various issues, in preparation for COP 22 and beyond.

The Moroccan team is determined to make COP 22 one of implementation and development of strong initiatives, especially in terms of access to energy and adaptation and strengthening of capacity, whilst ensuring countries of the global South are largely included, as major players in the drive to reach these ambitious climate-related objectives.

FOCUS

MAKING THE BUILDING SECTOR PART OF THE 2°C STRATEGY

Launched in December 2015, during COP 21, the Global Alliance for Buildings and Construction, of which ADEME is a member, has properly grown and in 2016 is now operational. Its initial results are being put forward during COP 22 in November in Marrakesh.

The building and construction sector is responsible for 30% of global CO₂ emissions. This is why the French Presidency of COP 21 and the United Nations (UNEP) have jointly announced the launch of the Global Alliance for Buildings and Construction, or Global ABC. The aim is to bring together all the actors concerned in order to reduce global greenhouse gas emissions linked to this sector. As an active member of this initiative, ADEME will oversee its central project dedicated to "Sustainable Buildings in Hot and Tropical Climates", in col-



FOCUS



laboration with the French Development Agency (AFD) (see boxed test).

AN AMBITIOUS INITIATIVE IN DEVELOPMENT

When it was created, the Global ABC brought together 20 countries, 8 major groups and 50 public and private organisations from the building sector. The first meeting of active members took place in April 2016. *"Each member was able to present their vision of the organisation of the Alliance and the way it should operate,"* explains Cécile Gracy, Project Officer at ADEME. *"Following the two days, five working groups were created to discuss the following themes: education and awareness, public policies, market transformation, finance and finally, measurement and accountability. In parallel, another group was set up to focus on governance and the roadmap for the Alliance."* Since then, more signatories have flocked to the Global ABC. During the MEDCOP22, which took place in July in Tangier (Morocco), ADEME has identified synergy strategies amongst Mediterranean countries. These partnerships will be cemented at the Climate Chance summit and at the Habitat III conference, which will take place respectively late September in Nantes and late October in Quito (Equator). The COP 22 will then be an opportunity for us to confirm the durability of this Alliance, as a key initiative for leveraging global climate action.

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Focus on...

THE "SUSTAINABLE BUILDINGS IN HOT AND TROPICAL CLIMATES" INITIATIVE

Within the Global ABC, ADEME and AFD have implemented a development strategy for buildings that meet three requirements: thermal comfort, accessible rates and low carbon footprint. Only in the intertropical convergence zone, greenhouse gas emissions could quadruple between 2000 and 2030 if the current trend continues. The aim is to reduce the major climatic impact of this sector by promoting architectural projects adapted to the climate, different choices of local materials and energy efficiency. In order to do this, ADEME relies on the know-how of its regional ultra-marine departments and regional cooperation developed with its West African, South East Asian and Mediterranean partners. COP 22 will be an opportunity to present the initial results of the programme: an online resources platform, which highlights exemplary projects and best solutions, regional action plans adapted to each country's framework to support implemented regulations and training, and the identification of construction operations to mobilise funds for.

EXPERTISE

MEDITERRANEAN BASIN

SPEEDING UP THE ENERGY TRANSITION

Given the growth of population and energy demand, the energy transition in the Mediterranean basin is a major challenge. ADEME supports the implementation and extension of methods and technologies adapted to the specific context of the region.

At the intersection of three continents, the Mediterranean represents about 7% of the population and 8% of primary energy consumption in the world. By 2040, this trend should increase, in particular in regards to electricity, under the triple effect of a sharp increase in population (+105 million inhabitants than 2013), economic growth (estimated to be +2.3% per year) and a current inadequate energy pricing system. *"The Mediterranean has a lot of potential for improvement of energy efficiency and for the development of renewable energy"*, explains François Gréaume, Head of the International Geographic Coordination Department at ADEME. *"But this potential is still by and large under-exploited"*. However, by improving energy efficiency and developing renewable energy on a large scale, the Mediterranean could significantly increase the energy security of importing countries and increase the revenue of exporting countries, whilst reducing energy costs and environmental risks.

A QUANTITATIVE NECESSITY

The Mediterranean Energy Observatory (OME) regularly conducts a prospective study on the energy impact of the pursuit of current trends, which has led to an alarming assessment. In its "laissez-faire" scenario, we would witness by 2040 a near doubling of energy consumption, of fossil fuel imports and carbon emissions. A far cry from the carbon neutrality that the Mediterranean countries had committed to during the COP 21. *"Pilot projects, demonstrators, exemplary operations.... Many punctual or targeted initiatives are already put in place in the region"*, says François Gréaume. *"Now it is a*

→ To go further

A first look at the impact of energy transition in the Mediterranean

Created by MEDENER and the OME, with financial support from ADEME, the “Scenario for Energy Transition in the Mediterranean” emerged out of discussions of groups of experts from countries in the global South: energy transition would lead to a significant reduction in primary energy demand (-30%), a noticeable increase of the share of renewable energy in the energy mix (+27%) and a drop in greenhouse gas emissions of around 38%. As a result, it is more ambitious than the national plans and objectives but relies on realistic and economically viable measures. The implementation of this scenario requires the application of adapted and tenable policies for all the countries in the region without radical lifestyle changes. An update will be carried out to include Intended Nationally Determined Contributions (INDCs) provided by each country as part of the Paris Agreement on climate.

“Without speeding up the energy transition, the countries of the global South could consume by 2040 more energy than countries of the global North”

question of sharing our efforts to implement them on a wider scale”.

INSPIRING A MEDITERRANEAN DYNAMIC

In order to improve discussions, ADEME and the national energy efficiency agencies of the MEDENER network, with the technical support of the OME, have designed a “Scenario for Energy Transition in the Mediterranean by 2040”. The particular outlook offered by this scenario is realistic and founded upon the circulation of existing, already tested, technologies (see boxed text). “This scenario is a realistic possibility for the future. Now, we need the Mediterranean energy efficiency agencies to have the means to implement it.” ADEME supports and actively contributes to the implementation and the follow-up of energy efficiency policies, as part of bilateral cooperation with its counterparts in the Maghreb and Lebanon, for example. But also through MEDENER. As an essential contributor

to regional collaboration, this network now contributes to the regional energy dynamic, as a platform for discussions and sharing of skills and methods. It's worth pointing out that these different scenarios and their implications will be part of a dedicated side-event during the COP 22 in November in Marrakesh.

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For more information:

> www.ademe.fr/sites/default/files/assets/documents/trans-ener-en-med-jul2016.pdf



WORLDWIDE

Frankfurt, Germany

ADEME-DENA

A STRONGER PARTNERSHIP

A new Franco-German energy platform has recently been set up as part of the cooperation memorandum signed by ADEME and their German counterpart, DENA. Its aim is to encourage industrial and technological partnerships between the two countries.

In terms of energy transition, France and Germany share many similar strategies; such as the simultaneous implementation of the following: the Energy Transition for Green Growth Law (or Energy Transition law), passed in France in 2015, and the “energy bend” brought in by the ‘Grand Coalition’ in Germany late 2014. This context encouraged cooperation between the two countries, and helped pave the way for the endorsement of the cooperation memorandum in 2014 and the decision to set up a joint energy platform, managed by ADEME and DENA.

ENCOURAGING THE DEVELOPMENT OF INNOVATIVE PROJECTS

Accessible to all, the ADEME-DENA energy platform encourages exchanges between administrations, companies, the research sector and civil society. “With this tool, we are relying on all sectors of society to help develop and improve bilateral projects that provide real added value to both countries,” explains Nicolas Dyèvre, in charge of cooperation with industrialised countries at ADEME’s International Affairs

department. The issues and topics to be discussed – smart grids, renewable energies, energy efficiency in the building sector and industry, transport and mobility – were the subject of many seminars and workshops. “We have for example organised a seminar on energy renovation of buildings at the end of June in Berlin,” tells us Nicolas Dyèvre. “French projects supported by ADEME were introduced; DENA is now considering developing them in Germany.” A few months ago, the two partners began discussing the possibility of implementing a smart grid in the border area. Moreover, a trophy for Franco-German innovation for renewable energy was created in June 2016 to encourage and promote partnerships in the sector. The new platform should enable France and Germany to share and pool their assets so that each country can benefit from the expertise of its partner.

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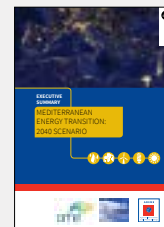
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Mediterranean energy transition: 2040 scenario



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TO ATTEND

26-28 SEPT. 2016

CLIMATE CHANCE
NANTES, FRANCE

ADEME is taking part in the summit of civil society actors committed to tackling climate change. The aim is to unite their efforts around ambitious strategies and concrete actions.

> <http://www.climatechance2016.com/fr/>

7-18 NOV. 2016

COP 22
MARRAKESH, MOROCCO

ADEME will take part in the 22nd United Nations Framework Convention on Climate Change Conference, held this year in Morocco. The aim is to take part in specific actions to properly implement on the ground the main policies drafted as part of the Paris Agreement.

> www.ademe.fr/manifestations