



**Central Dredging Association**  
African Section



**Ministère de l'Équipement,  
du Transport et de la Logistique**



# SUMMARY AND RECOMMENDATIONS

## DREDGING OF SAND AN ALTERNATIVE FOR SUSTAINABLE DEVELOPMENT

**6<sup>th</sup> INTERNATIONAL SYMPOSIUM**

**22-23 | April | 2015 | Royal Mansour Hotel  
Casablanca-Morocco**

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## INTRODUCTION

After Casablanca, Dakar, Algiers, Tunis, Libreville, the African Section "Central Dredging Association" and especially the Committee Morocco dedicates this year's 6th International Symposium on "Sand Dredging, an Alternative for Sustainable Development", an issue that occupies now a prime position socially and economically. This scientific event value has hosted nearly 120 participants and 11 speakers from 10 countries in Africa and Europe. The objectives of the International Conference are to inform, discuss and debate the various techno-economic, legislative and social tools to implement requirements for sand dredging in harmony with the preservation of the Environment. These objectives have largely been met.

The event also addressed a large audience, mainly made up of representatives of the Ministries of Infrastructure, Transport and Logistics, Environment, representatives of the ports of Public Works enterprises, academics, and offices Studies dredging companies.

Organized in order to show that sand dredging is necessary today in the world, as materials of Sustainable Development. Fortunately, it is found in large quantities in marine deposits, which easily exploitable constantly restocked.

Several European countries, under pressure from the environmental requirements, and given the scale of the needs, have taken great strides in the use of sand dredging, and now have a rich experience in the matter.

## OFFICIAL OPENING

### Allocation of M. General Secretary for Infrastructure, Transport and Logistics



I have the honor and great pleasure to chair, on behalf of the Ministry of Infrastructure, Transport and Logistics, the opening of the 6th International Symposium on the dredging of marine sand.

This symposium, organized by the Africa Section of CEDA, one of the three components of the World Association of dredging, created since 11 April 2002,

again offering a space for debate and exchange of knowledge and experiences related to this activity, which is of great importance for the countries of this rapidly developing region. This activity is also the source of much debate about its impact on the environment.

This symposium whose theme "dredging sand, an alternative for sustainable development", is a real opportunity for the exchange of knowledge and experience in the field of production and enhancement of the marine dredged sand between researchers, professionals from industry, academia and government.

Exchanges which, given the quality of the speakers and participants, will certainly make a big qualitative step in this field and will be a milestone for the mastery of procedures and techniques used, but also taking into account the specificities of the region, for sustainable use.

The African section has organized several conferences, seminars and round tables in different member countries, today addresses this theme topical internationally and particularly in Africa.

Indeed the excessive exploitation of coastal sand dunes term risk of undermining the coastal landscape and cause the advance of the sea from the mainland.

The countries of the region in the context of their economic and social development policies, launched several years of significant programs of construction and realization of transport infrastructure. This generated enormous needs in construction sand. In Morocco for example, the estimated needs in 2015 is 27 million m<sup>3</sup> in 2025 and it is expected that they will reach 38 million m<sup>3</sup>.

The public authorities must undertake measures to find alternative sources of sustainable economic and ecological point of view and especially through the dredged marine sand and crushed sand.

Various initiatives are taken by the responsible bodies of those resources in member countries, but deserve to be coordinated.

Finally, given the importance of this issue for the countries of Africa, I have no doubt that the exchanges will be fruitful and that the recommendations of this conference will open other opportunities for country; hand to meet the needs of their markets and also to preserve the coastline is one of the many riches of the African continent.

I wish great success to the work of this conference and thank you for your attention.

### Allocation of M. President of the African Section of CEDA.



In Morocco, the sand is now of strategic importance, in three areas: economic, technical and environmental. The optimal use of this resource is a major requirement and must be part of sustainable development. The problem of sand in Morocco, largely dominated by the informal sector, is complex. Indeed,

traditional resources inevitably reach their limits, resulting in the emergence of a situation of scarcity and their continued operation is seriously disrupting the ecological balance. The dredged sand, essential alternative resource, is essential today across the world, as a material of sustainable development. Fortunately, it is found in large quantities in marine deposits, which are constantly renewed. Several European countries, under pressure from the environmental requirements, and given the scale of the needs, have taken great strides in the use of dredged sands, and now have a rich experience in the field.

The main objective of this international conference, organized by CEDA African Section, is to promote an exchange of knowledge and experience on all matters relating to the issue of dredging sand, on one hand, and the production of this strategic resource, on the other.





## BALANCE SHEET

Participants at the 6<sup>th</sup> International Conference of Dredging "Sand Dredging, an Alternative for Sustainable Development", held from 22 to 23 April 2015 in Casablanca Morocco by the Committee of CEDA-AS in collaboration with the Ports Dredging Company "DRAPOR".

- **Welcome** the interest of the government and the Ministry of Infrastructure Transport and Logistics and commitment on the subject.
- **Record** with great satisfaction the diversity of subjects and the richness of their content,
- **Testify** of exchanges of ideas and the spirit of friendship that prevailed among the participants in this event, Europe and Africa,
- **Recognize** the high level of stakeholders and the general interest in the proceedings from the intervention,
- **Aware** of the need to include the Marin Sable in sustainable development and reconcile economic and social progress with environmental protection,

Since resource exploitation must take into account the economic and social development and must be pursued in harmony with the environment.

Given the requirement to master the techniques and processes and the operating conditions of these resources.

Considering the need to validate solutions that take into consideration all the factors mentioned above.

The participants congratulated the African Section of CEDA for giving a further opportunity for professionals, researchers, academics and government of the countries of Europe and Africa to come together to share their knowledge and experiences.



And make the following recommendations:

To **promote** scientific and technical research and training in fields related to dredging;

To **incorporate** the environmental dimension in all projects;

To **promote** the use of dredged sand in construction and for the regeneration of beaches;

**Adapt sand** use standards to local realities and specificities;

To **communicate** to inform and to sensibly the professionals on the environmental protection.

Finally, the participants take this opportunity to address the committees of organizations and sponsorships and headed Mr. Lahcen JAKHOUKH, CEO of Drapor Group, Dr. Mustapha Aziz CEO by proxy and Mr. Mulud ABUDIB, President of the African Section CEDA their thanks and gratitude insignia for the excellent welcome, warm hospitality and care with which they were surrounded.





## REPORTAGE PHOTOS

**Opening session:** Active presence of Africans and European issues dredging area.



**Gala dinner** at the happiness of the participants and guests.



**Ceremony trophies at the gala dinner.**



M. Rein de Boer  
Boskalis - Holland

Mme Khadija LEGLITI  
Secrétaire Permanente du  
CEDA-AS

**Pit walk** by the Secretary General of the Ministry of Equipment, Transport and Logistics.



### Lecturers



The intervention of  
Mr. Amadou Kane  
Consulting Engineer  
Dakar Senegal



Statement by  
Mr Abdelhadi TAIMOURI  
consultant, quarrying  
expert Morocco

**Technical visit** by participants to the platform Azemmour society rimal.

