

CRTEAN

**Report Of The International Workshop on Geomatics for Ecosystem based
adaptation in the dry areas of North Africa**

Djerba/Tunisia: 22-24 / 6/2014

1- Introduction :

As it aims to more openness on the regional and international areas and on the occasion of the celebration of the World Day to combat desertification (WDCD) which is celebrated this year 2014 under the banner of “ecosystems-based adaptation”.

The Regional Center for Remote Sensing of North African States(CRTEAN) takes the initiative to organize an international training workshop jointly organized by the Federation of Arab Scientific Research Councils and the Institute of Arid Regions - Medenine, Tunisia. The workshop based on Geometrics digital in order to adapt ecosystems in dry areas of the North African countries, which mainly focused on the role of Geomatics in order to adapt to the development and manage of dry lands ,and the island of Djerba, Tunisia is the place where it was chosen to be held During Jun,21 to 24. 2014, The whole organizers bore the cost of the organization of this session, including full board of the attendees, as well as the majority of their tickets.

58 people Participated in these event experts, specialists and Ph.D. students came from the following countries:

Morocco, Algeria, Tunisia, Libya, Sudan, France, Italy, Romania, and the OSS - OSS (Attachment (1) list of the attendees)

2: The objectives and themes of the session

Objectives

- Presentation of modern applications and countries experiences in the field of environmental systems acclimated areas using dry digital Geomatics.*
- Exchange of expertise and access to networks operating in this field.*

Themes

The course included an opening ceremony and four work of competent sessions plus five keynote speakers, and in the conclusion table board talk about the

prospects for optimization of digital Geomatics in the field of development in general and in the efforts to combat desertification in particular. The session, was according to the following themes (Attachment 2 program session)

- Land degradation and departments*
- Vegetation and crop monitoring*
- Drought and water sources*
- Integrated decision-making tools*

3-Recommendations :

After the completion of the four sessions, as well as the closing session and after extensive discussions have concluded these scientific findings :

- All the stakeholders Focus on the importance of these meetings in general and thanked the efforts of the Regional Center of the North African States for holding this workshop and accomplished it with all of the Federation of Arab Scientific Research Councils and the Institute of Arid Regions – Medenine, which allowed the convergence of several generations of experts and specialists, as well as to allow a group of researchers the new generation of researchers present it's first work and listen to the tips of their predecessors in the field of digital Geomatics applications in the efforts to combat desertification .*
- All the attendees Valuation of the good level of these youth participation and recommended to focus on capacity building and support programs of exchange visits of specialists for the benefit of the all Arab region.*
- In this context, the participants endorse the experience of the Institute arid regions of Medenine in capacity building of the school to the university and institutes and focusing on the future generations, and called to mind it as the typical approach which should must develop it in other Arab countries*

also called the Regional Center , the federation of Arab Scientific Research Councils and the Institute of Arid Regions of Medenine to cooperate in order to complete the feasibility study and present a pilot project for providing financing from the donors.

- *The participants stressed on the development of scientific culture and the dissemination of results of all segments of society is a strategic goal and called the Federation of Arab Scientific Research Councils in cooperation with the Regional Center for Remote Sensing of the North African States to embrace this issue and programming demonstrations and training sessions in the purpose to achieve this goal.*
- *Recommend the convening of such specialized courses specially the use of space applications , digitization spatial and other sciences, including Upstream to meet the requirements of research and interested of the fields of the different environmental and developmental, regional and international.*
- *Call all of the Federation of Arab Scientific Research councils ,Regional Center for Remote Sensing of the North African States, and the local centers and the National Institutes concerned, to expedition regional projects that specializes in high concern for the environment and water at the level of the countries of North Africa and other Arab countries, to meet the aspirations of development in this region and contribute to shred proposals appropriate scientific using modern space technology and science Upstream to overcome the phenomenon of water scarcity and drought.*
- *Valuation of local knowledge in the efforts for combat desertification, especially in the field of rainwater harvesting, which took special concentrate during the debate, the representative of the Federation of Arab Scientific Research councils readiness of his institution to organize a*

workshop belonging to the subject during the year 2015, in collaboration with the Regional Center for Remote Sensing of North Africa states

- *In conclusion all participants Collect (Attachment number 3 souvenir photo) that the session succeeded beyond expectations and thanked for Tunisia and the Institute of Arid Regions of Medenine for holding this session, and for the Federation, the Regional Center, the experts and the young researchers for their efforts, and called to follow up the recommendations of the session and hold more of such scientific meetings which aimed to service our regional and Arabic area.*