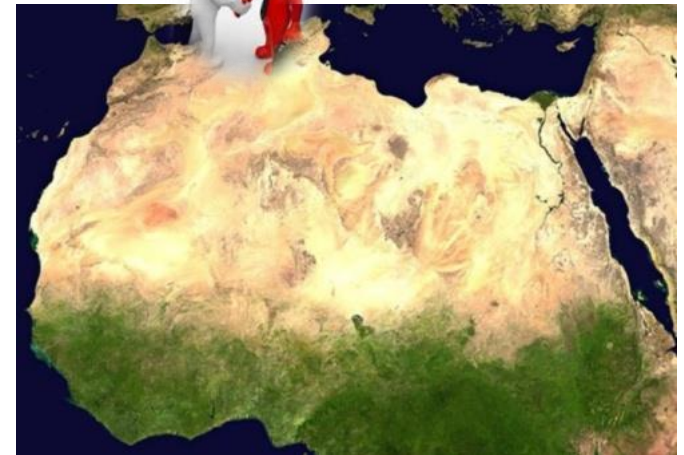


# ***About CRTEAN***

## ***Establishment:***

- Regional organization established in October 6, 1990 with five party members of North Africa States. (**Algeria, Mauritania ,Morocco, Tunis , Libya , Egypt and Sudan** under the supervision of the African Union.
- The CRTEAN has, in Tunis headquarters



# The center consists of :

## - Permanent founding members :



Tunisia: (CNCT)



Morocco: (CRTS).



Libya: (SDL).



Mauritania: (U. C. T. )



Algeria (INCT)



Egypt: (NARSS).



Sudan: (SNSA).



# The main objective:

**The center aims to encourage scientific service, research and even academic institutions in the member states to use geospatial sciences in the fields and projects of sustainable development, scientific research and others, for example:**

- 1- Encouraging them to form national structures in this field.
- 2- Achieving integration, coordination and capacity development in the region within the framework of competence.
- 3- Supporting cooperation among Member States at the bilateral and multilateral levels in the field

## CRTEAN concept of training operations:

Is a process to develop skills and capabilities in all Geospacial methodologies and their applications, taking into account the procedures and resources that our local and international communities need to survive and adapt in a rapidly changing world .This vision is limited to:

## 1. Geospatial Workshops:



## 2. Short advanced training courses in the applied fields of geospatial sciences:





### 3. participating and contributing to several seminars and conferences in the field of work



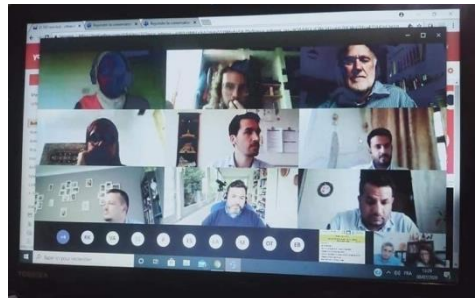
### 4. Establishing youth camps:



## 5. Rehabilitation on job and granting a professional diploma in the field of RS & GIS :



## 6. On-the-job training through CRTEAN projects



# Fit-For-Purpose Land Administration System in the Arab region

The Regional Center for Remote Sensing of North African States (CRTEAN) in partnership with UN-Habitat after signing an agreement between them on November 2020 containing the implementation of some meetings and training courses About Usable Land Management System in the Arab Region for the benefit of the countries of the Arab region .



# EGM

## 18-19 OCTOBER 2021, TUNIS, TUNISIA



Thirty-six (36) representatives of policymakers, legislation experts, private sector, land evaluation experts, Academia, Civil society organizations, UN agencies local and regional stakeholders from eleven (11) countries of the ME/NA region took part in this event.

## The EGM focused on the following topics

- The current situation of land governance and land administration system in the Arab region,
- Understanding, building and implementing the Fit-For-Purpose land administration approach and framework.
- The impact of the Fit-For-Purpose land administration systems on the security of Tenure for everyone and particularly on Women and vulnerable groups

**Fit-for-Purpose Land Administration Hands - on tools and techniques  
For mapping and information management  
Training - I - In-person  
January 31 – 2 February 2022, Cairo, Egypt**





**A training module entitled “Fit-for-Purpose Land Administration, hands - on tools and techniques for mapping and information management”**

This specialized training has been carried out in Egypt (Cairo) between January 31 and February 2, 2022. The Training has been attended by participants from Egypt and several Arab countries (Sudan, Palestine, Lebanon, Libya, Yemen, Tunisia, Morocco, Algeria and Jordan). It was carried out by Dr. Ghaleb Faour & ms. Ombretta. During the course, theoretic as well as practical issues have been illustrated.

## **The key topics of the training are the following :**

- 1. Fit-For-Purpose Land Administration – Concept
- 2. Spatial Information (sources, reliability and challenges)
- 3. Open Sources Tools (QGIS, Google Earth Engine (GEE) and mobile data collector)
- 4. Equipment and materials for land survey/inventory
- 5. Satellite Image acquisition and processing – Practice exercise on GEE
- 6. Aerial mapping and drone mapping – Practice example
- 7. GPS data collection and conversion to Spatial Information – Practice exercises on QGIS
- 8. practice exercise on QGIS (converting hand-drawn sketch maps to GIS layer)
- 9. Data Management (storing, use and monitoring of land information)
- 10. Map Production
- 11. The Social Tenure Domain Model and its applications.
- 12. Selected examples of implementation of fit-for-purpose land administration in Arab countries.

## Fit-for-Purpose Land Administration Hands - on tools and techniques For mapping and information management Training - II - In-person/Online

May 17 – 19 2022, Tunis



The same training course was repeated in Tunis between 17 and 19 May 2022 with new participants from different Arab Countries.

### **Trainers and participants**

The different training sessions was led by Ombretta Tempra, Ghaleb Faour, El Habib Benmokhtar and Wala Abdelmuati, who have enriched the training with interactive discussions, simulations, group work and case studies that presented the implementation of various tools (QGIS, Google Earth Engine, KOBOTOOLBOX and STDM).

The three days training was attended in person and online by GIS experts, and land administrations experts from 7 Arab countries (Egypt-Tunisia-Syria-Libya-Morocco- Algeria-Jordan).



## **The key topics of the training are the following :**

- 1. Fit-For-Purpose Land Administration – Concept
- 2. Spatial Information (sources, reliability and challenges)
- 3. Open Sources Tools (QGIS, Google Earth Engine (GEE) and mobile data collector)
- 4. Equipment and materials for land survey/inventory
- 5. Satellite Image acquisition and processing – Practice exercise on GEE
- 6. Aerial mapping and drone mapping – Practice example
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- 9. Data Management (storing, use and monitoring of land information)
- 10. Map Production
- 11. The Social Tenure Domain Model and its applications.
- 12. Selected examples of implementation of fit-for-purpose land administration in Arab countries



# Workshop: Addressing land administration and land rights challenges to pave the ground for peace and stability in Libya

Tripoli-Libya

WEDNESDAY 30 NOVEMBER 2022



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CRTEAN

The Regional Center for Remote Sensing of North Africa States and UN-HABITAT, the Global Land Tool Network, the Ministry of Housing organize in collaboration with the Libyan Center for Remote Sensing and Space Science the second workshop to discuss land management and administration in Libya with all concerned stakeholders and to identify the priority intervention for improved land governance and housing rights.

This workshop lasted for 2 days and many interests and stakeholders have participated, including the Ministry of Housing, the Real Estate Registration Authority, the Civil and Military Space Department, some universities, research centers and private sectors.

During the opening session, a speech was delivered by Dr. Al-Hadi gashut General Director of the Regional Centre, followed by Ms. Ombretta from the UN-Habitat Regional Office for Arab States, in Cairo concluded with the address of His Excellency the Under-Secretary of the Ministry of Housing and Equipment of the Government of National Unity..



The Centre can be responsible for capacity building in the areas of land use and everything related to the production of old and new maps for any of the Arab countries in North Africa or outside of the Arab countries

Linking Arab countries to standardize working methodology, terminology and land management services in the Arab region

Training of trainers for Arab countries in land management.

We are now working with the Sirte and Benghazi Reconstruction Fund to sign an agreement in which the center will train the Libyan share on the number of satellite images that serve the city of Sirte and Benghazi in Libya

We are also taking advantage of the Libyan Ministry of Housing and Construction to hold a conference in this regard in Libya in the coming period

