Overview of CRTEAN: Advancing Land Administration in Arab States and Strengthening Local Land Professionals

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FOR A BETTER URBAN FUTURE

BMZ | Federal Ministry for Economic Cooperation and Development

C.R.T.E.A.N
المركز الجهوي للاستشعار عن بعد لدول شمال إفريقيا

GLTN
GLOBAL LAND TOOL NETWORK

Regional Center for Remote Sensing of North Africa States CRTEAN

Establishment

Regional organization established in 6th of October 1990 after the signing of the

Constitutive Act of the five countries members of North Africa States, (Algeria, Mauritania,

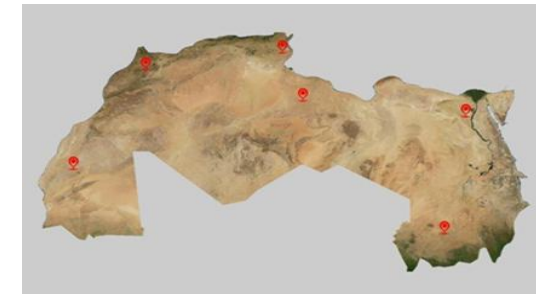Morocco, Tunisia and Libya). And joined later Egypt and Sudan.

The CRTEAN headquarters is in Tunis.

Missions

The Center aims to encourage the institutions in Member States for:

1- Using remote sensing techniques and upstream systems in the areas of sustainable

development and scientific research.

2- Technologies Transfer.

3- Capacity building for the member states.

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 and enhance 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 .

1. Geospatial Workshops:

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

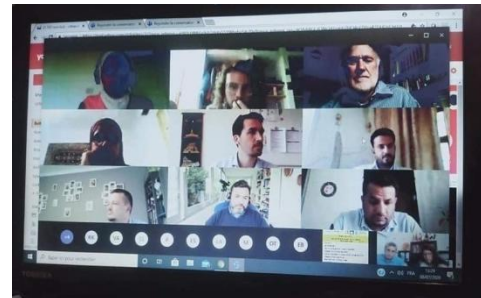# 3. participating and contributing to several seminars and conferences in the field of work

4. Establishing youth camps:

5. 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 in 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, land surveyors, private sector, land evaluation experts, Academia, Civil society organizations, UN agencies local and regional stakeholders from eleven (11) countries of Arab States .

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 & Dr. Ombritta. 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 exercise on QGIS
- 8. Participatory Mapping and 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.

Participants :

Engineers and researchers from a number of Arab countries such as Palestine, Lebanon, Jordan, Libya, Yemen, Tunis, Algeria, Morocco and Sudan participated in this three-days training course, in addition to researchers from the host country Egypt.

- 16 participants in-person in addition to
- 26 participants through the platform Zoom

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 Arab region suffers from many challenges in land governance and land administration. Therefore, GLTN and UN-Habitat launched a joint initiative to promote fit-for-purpose land administration in Arab countries.

As part of the agreement of cooperation signed in 2020 between The Regional Center for Remote Sensing of North African Countries (CRTEAN) and UN-Habitat, the first training session on Fit-For-Purpose Land Administration (FFPLA) hands-on knowledge about tools and techniques for mapping and information managements.

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

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)
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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 study that showcased the implementation of the different 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).

Addressing the challenges of land administration
and land rights to pave the way for achieving peace and stability Libya
November 30 - December 1, 2022

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

The workshop aimed to gather stakeholders concerned with identifying priority interventions to improve land governance, land administration, and land housing rights.

During the workshop, Report results were presented for discussion, addressing topics such as providing information on laws, regulations, legislation, current
assessment reports, and archival data.

Interventions included land tenure, land value, land use, land development, and resolution of land disputes.

GLTN Workshop - Application of Fit-For-Purpose Land Administration in the Arab Region 5-8 December 2023 Tunisia

More than 15 experts from eight Arab countries participated in a workshop on implementing fit-for-purpose land administration (FFPLA) in the Arab region.

The aim of the workshop was to explore, participate and exchange *experiences* and opinions on the FFPLA program and its implementation with a special focus on governance issues, technical solutions, integration of tools and approaches as well as adaptation of the FFPLA in the Arab context.

Supported by the Global Land Tool Network (GLTN) of UN-Habitat, and organized by the Regional Center for Remote Sensing for North Africa - CRTEAN and the School of Land Administration Studies - SLAS, a joint project between Kadaster and ITC University College (Twente in the Netherlands).

Thank you *for your kind*

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