CONCEPT NOTE

Fit-for-Purpose Land Administration
hands - on tools and techniques
for mapping and information management
Training - II- In-person

17May– 19 May2022, Tunis, Tunisia

Background

This training event is undertaken as part of the work of the Arab Land Initiative, coordinated by UN-Habitat and the Global Land Tool Network, that aims at improving the capacity of regional and national stakeholders in the Arab region to manage and administer urban, peri-urban and rural land to achieve inclusive social and economic development – particularly for women, youth and displaced - and to foster peace and stability. The Initiative has four priorities: (1) Promote collaboration and coordination; (2) Develop and share knowledge; (3) Develop capacities of individuals and organizations; and (4) Support the implementation of existing land-related programs and interventions in selected countries through the use of fit-for-purpose land tools and approaches. The Initiative and this particular training benefit from the financial support of the Federal Ministry of Economic Cooperation and Development of Germany (BMZ).

UN-Habitat is the coordinating agency within the United Nations System for human settlement activities and in collaboration with governments is responsible for promoting and consolidating collaboration with all partners, including local authorities, private and non-governmental organizations in the implementation of the Sustainable Development Goals (SDGs), in particular, Goal 11 of "Making cities and human settlements inclusive, safe, resilient and sustainable".

The Regional Center for Remote Sensing of North African States is a Centre for research and studies that aims to encourage the institutions in the northern African States for using remote sensing techniques and upstream systems in the areas of sustainable development and scientific research; also it encourages the technologies transfer and the Capacity building for the member states.

The UN-Habitat and CRTEAN have signed an Agreement of Cooperation in 2021 that will aim at discussing and showcasing the Fit-For-Purpose Land Administration principles and approaches used in the region and elsewhere, to allow the different stakeholders in the Arab countries to understand the overall Fit-For-Purpose land administration systems and assess the ones that can effectively be adapted to the region/countries. The agreed project includes an EGM that was held in November 2021, and two training sessions.

Introduction

Globally, 75% of the world's population lacks access to formal and documented land rights[1]. As in many parts of the world, most of the countries in the Arab region struggle to put in place land registration/land administration systems that are pro-poor and that function at the national scale. Therefore, Fit- For-Purpose (FFP) land administration is emerging as an inclusive solution that meets the needs of all segment of society and incorporate essential component such as affordable, innovative, and sustainable method of land mapping, registration of land rights and titling which can address all land tenure types including informal tenure and in the context of recovery and reconstruction processes in post-conflict countries.

The land registration/land administration systems in the Arabic countries have progressed over many centuries, incorporating laws of many other cultures and countries, mostly from the west. The growing influence of western legal systems and practices in the region varied. Therefore, the approach used for building land administration systems in the region should be going along with the modern and transformative era that the Arab region is going through in the last decades.

Fit-For-purpose (FFP) land administration is emerging as affordable, flexible, and focused on citizens' needs concept, such as providing security of tenure and control of land use, rather than focusing on pricey technical solutions. The (FFP) approach promoted by the GLTN and its partners, has interrelated core components:

- Flexible in the spatial data capture approaches to provide for varying use and occupation.
- Inclusive in scope to cover all tenure and all land.
- Participatory in approach to data capture and use to ensure community support.
- Affordable for the government to establish and operate and for society to use.
- Reliable in terms of information that is authoritative and up-to-date.
- Attainable in relation to establishing the system within a short timeframe and within available resources.
- Upgradeable with regard to incremental upgrading and improvement over time in response to social and legal needs and emerging economic opportunities.

The second training event aim to strengthen the Capacities of the Arab states in developing Fit for-Purpose and Pro-Poor Land Administration system in Support to inclusive development, peace and stability.

Objectives

The objective of the training is to develop the knowledge, skills and capabilities of key land stakeholders from Arab countries and help them understand and apply concepts and practices related to fit-for-purpose land management to support inclusive development, peace and stability in the Arab region.

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[1] 1 FIG Guide No 60, Fit-For-Purpose Land Administration

Modality of implementation

This Training session on Fit-for-Purpose Land Administration hands - on tools and techniques for mapping and information managements organized by CRTEAN and supported by UN-Habitat will be held in Tunis, Tunisia. The aim of the training is to provide an introduction to the FFP topic, and the tools used, then the training will focus on how to integrate the tools and the approach into the context of the Arab region and explore how it can be adapted to specific contexts. The training will also address the various challenges in the implementations of land administration system that is Fit for Purposes and adequate to context of the Arab region and its respective countries. The training will be conducted by experts during(3)three days through presentations, interactive discussions, simulations, exercises and group work.

Key topics

This training will include:
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.

The expected outcomes

The expected results of the training are as follows:

- The principles and aspects of the application of fit-for purpose land administration are understood by the participants.
- The procedures for analyzing the models and the results provided by the experts are understood and tested by the participants through practical exercises.
- Participants are able to transfer the knowledge learned, identify how to apply the tools and approaches learned within their institutions and in their respective countries.

Application Process

The Participation in the training is free of charge.

Interested candidates are kindly requested to send a fully filled application form and send it to the following email: **crtean.khemiri@yahoo.com**

For the success of this training program, a limited number of applicants will be selected. Maximum Twenty people from Arab region and the selection criteria will be based on the resume provided and form submitted. Women and Young professionals are encouraged to apply.

The target participants include and not limited to: Government representatives and administrators (land administration authorities, statistical department, urban and rural planning departments, etc.), civil society organizations, national and international NGOs, Individuals working in the land sector(land researchers, academics, land expert, etc.).

The candidate will have to be comfortable in following and participating the training in English and provide their own personal Laptop.

Working Language

English will be the working language during the whole sessions of the training. It is also possible to use Arabic when necessary.

Training Materials

After the event, all the materials used by the trainers and the trainees will be uploaded into a platform for easy access to the everyone interested in this training.

Logistics

The event will be held for (3) three days and will take place in Tunis, Tunisia from the 17th May to the 19th May2022. The travel expenses will be fully covered by CRTEAN. However, Fees for PCR test from your departure country, Travel Insurance, Visas fees and its processes will be the responsibility of the selected candidates.

Further information

For any inquires or further information, please contact:
- **Dr. El Hadi Gashut**Crtean.gashut@yahoo.com , dg.crtean@crtean.intl.tn
OR
- **Mme. Lamia Khemiri**crtean.khemiri@yahoo.com
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Outline of the Agenda

Fit-for-Purpose LA hands - on tools and techniques for mapping and information management		
Day 1 :17May 2022		
Time (Tunisia, Local time)	Activity/Description	Speakers
9:00 – 9:30	Welcoming participants and opening remarks (15 min) Training objectives & agenda (15 min)	CREATN, UN-Habitat/GLTN, Moderated by CRTEAN
Session 1		
Time	Topics Titles	Trainer
9:30 – 10:30	• Understanding the Fit-For-Purpose (FFP) concept • Building the Fit-For-Purpose land administration frameworks	UN-Habitat/GLTN
10:30 – 10:45	Coffee Break (10min)– Group Photo	
10:45 – 12:00	• GLTN FFP tools and approaches • The Implementation of the Fit-For-Purpose approach	UN-Habitat/GLTN
12:00 – 13:00	Lunch (1 hour)	
Session 2		
Time	Topics Titles	Trainer
13:00 – 14:00	• Fit-For-Purpose Land Administration – Spatial Framework • Spatial Information (sources, reliability and challenges) • Introduction to QGIS	Ghaleb Faour
14:00 -14:15	Coffee Break (15min)	
14:15 -15:15	Practical Exercises QGIS: Import open source Spatial data, tabular data, spatial and statistical analysis, Converting hand-drawn sketch maps to GIS layer, Map layout	Ghaleb Faour
15:15 -16:15	• 1st Trainees Group Work	Facilitated by CRTEAN
Day 2: 18 May 2022		
Time (Tunisia, Local time)	Activity/Description	Trainer
9:00 – 9:30	recap day1 (15min) Training objectives & agenda (15 min)	
Session 3		
Time	Topics Titles	Trainer
9:30 – 10:30	• Introduction to participatory enumerations and Social Tenure Domain Model (STDM) key concepts • Introduction to STDM data and information management system	UN-Habitat/GLTN

10:30	Coffee Break (15min)	
10:45-12:00	• Introduction to Google Earth Engine GEE • Selection, filtering, cloud masking and exporting(Landsat and Sentinel-2)	Ghaleb Faour
12:00 – 13:00	Lunch (1 hour)	
Session 4		
Time	Topics Titles	Trainer
13:00 – 14:00	• Practical exercises on GEE : Import Landsat/Sentinel-2, Filtering by date and by location, Extracting True Color and False Color composite images, exporting images to google drive, Mapping Vegetation and Built up areas	Ghaleb Faour
14:00 -14:15	Coffee Break (15min)	
14:15 -16:15	• 2nd Trainees Group Work	Facilitated by CRTEAN

Day 3 :19 May 2022		
Time (Tunisia, Local time)	Activity/Description	Speakers
9:00 – 9:30	Recap day2 (15min) Training objectives & agenda (15 min)	Moderated by CRTEAN & Trainer
Session 5		
Time	Topics Titles	Trainer
9:30 – 10:30	• Introduction to GPS & Mobile Data Collector KOBO Converting GPS data into Spatial Information	GhalebFaour
10:30 -10:45	Coffee Break (15min)	
10:45 – 12:00	• Practical exercises on KOBOTOOLBOX	GhalebFaour
12:00 – 13:00	Lunch (1 hour)	
Session 6		
Time	Topics Titles	
13:00 – 14:00	• 3rd Trainees Group Work	Facilitated by CRTEAN
14:00 -14:15	Coffee Break (15min)	
14:15 -15:00	• Discussion and Brainstorming: Road map for the fit-for-purpose land administration implementation in Arab countries.	All Participants
15:00 -15:15	• Final reflections from participants on training (Distribution of Survey) • Summary of the training outcomes	All Participants CRTEAN, Ghaleb Faour, UN-Habitat/GLTN
	Activity/Description	Speakers
15:15 – 15:30	• Presentation of certificates • Final remarks and official closing	CRTEAN, UN-Habitat/GLTN