# TECHNICAL WORKSHOP ON THE TRANSPORT GIS APPROACH HARMONIZATION BETWEEN ESCWA, UNECE AND IDB

BEIRUT, UN HOUSE, 9-11 JULY 2019

Economic And Social Commission For Western Asia



## **ESCWA Transport GIS Platform**Ongoing Project with the support of IDB

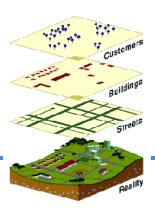
By:

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### **Project Background**

- The 15<sup>th</sup> Session of ESCWA Committee on Transport held in Rabat on 27-28 January 2015 requested the development of an e-platform for periodic future updates of information concerning the components of the Integrated Transport System in the Arab Mashreq (ITSAM).
- In the same session, the League of Arab States (LAS) requested ESCWA support to expand ITSAM railways and roads networks to cover all Arab Countries.
- The Project Concept was presented and endorsed at the 16<sup>th</sup> Session of ESCWA Committee on Transport held in Cairo on 23-24 November 2016. A prototype project was developed in cooperation with the <u>United Nations Interim Force in Lebanon (UNIFIL)</u>.
- First Training workshop on GIS, Cairo 22 January 2016
- A Web Based GIS version is underdevelopment with IDB support

## **GIS Components**



#### **Five Layers:**

- 1. COUNTRY
- 2. ROADS NETWORK
- 3. RAILWAYS NETWORK
- 4. AIRPORTS
- 5. PORTS

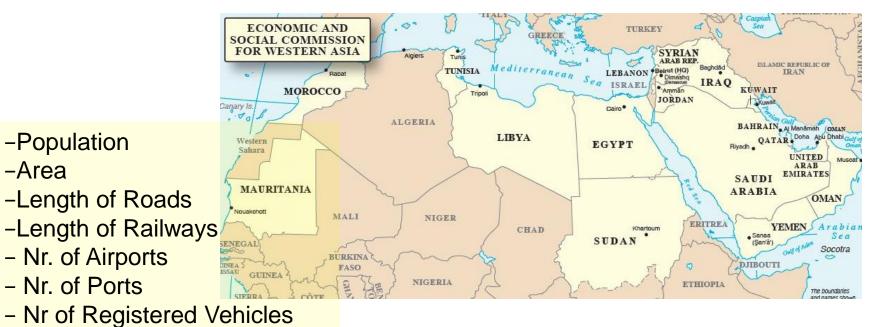


#### Table of attributes:

Inspired from the Glossary of Technical Data of the Trans-European Network GIS of the European Commission (Version 6 February 2014)

## **Country Layer (Polygons)**

#### 18 Countries (February 2016)



-Etc.

-Population

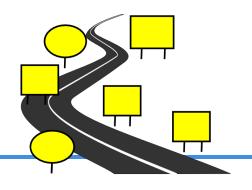
- Nr. of Airports

-Volume of Transit Transport

- Nr. of Ports

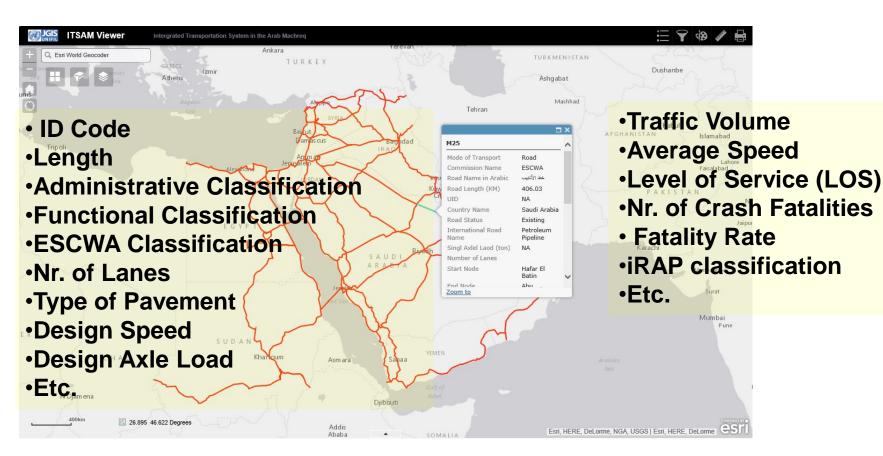
-Area

## **Roads Network Layer (Arcs)**



#### **Infrastructure Attributes (by segment)**

#### **Operation Attributes**

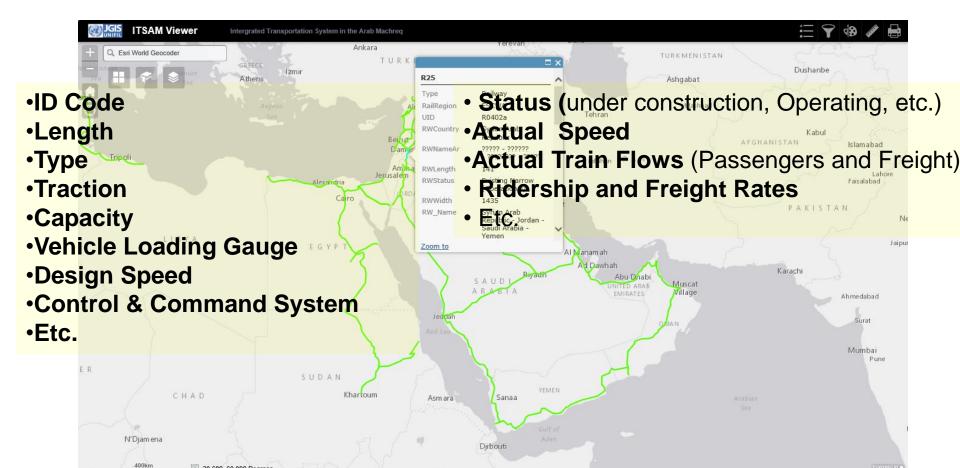






#### **Infrastructure Attributes (by segment)**

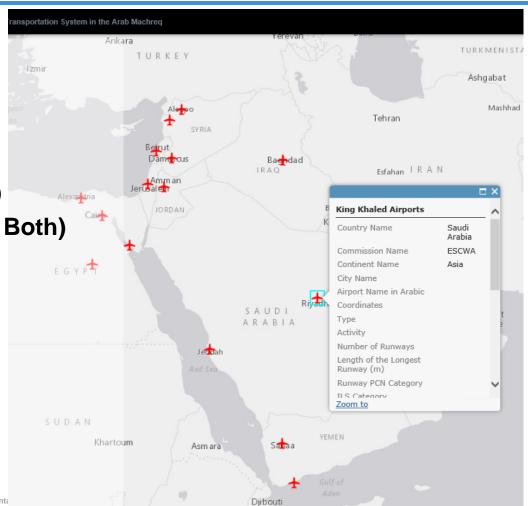
#### **Operation Attributes**







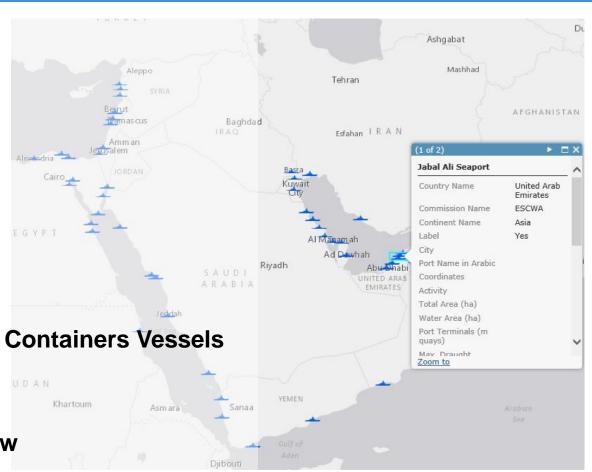
- City Name
- Airport Name
- Airport Name in Arabic
- Website (URRL)
- Type (International/Domestic)
- Activity (Freight/Passengers/ Both)
- Nr. of Runways
- Length of longest runway
- PCN Category
- ILS Category
- Capacity
- Passengers Traffic Flow
- Freight Traffic Flow
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- City
- Port name
- Port name in Arabic
- Website (URRL)
- Activity
- Total Area
- Water- Area
- Lengths of quays
- Maximum draught
- Maximum draught for Containers Vessels
- Port Traffic
- All Cargo Traffic Flow
- Containers Traffic Flow
- Passengers Traffic Flow
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- Etc.



## **Accessibility Arrangements:**



#### **Mapping Geometrics:**

**ESCWA** 

### **Attribute Editing (information):**

National Focal Points+ Official Authority

### Reading, Query and Analysis:

Public, through registration

## Coordination Meeting on Regional Connectivity IDB, ESCWA, ECE, CETMO

Beirut, 24 April 2018

### **Adding 2 layers**

**Border Crossings** 

Logistic Zones

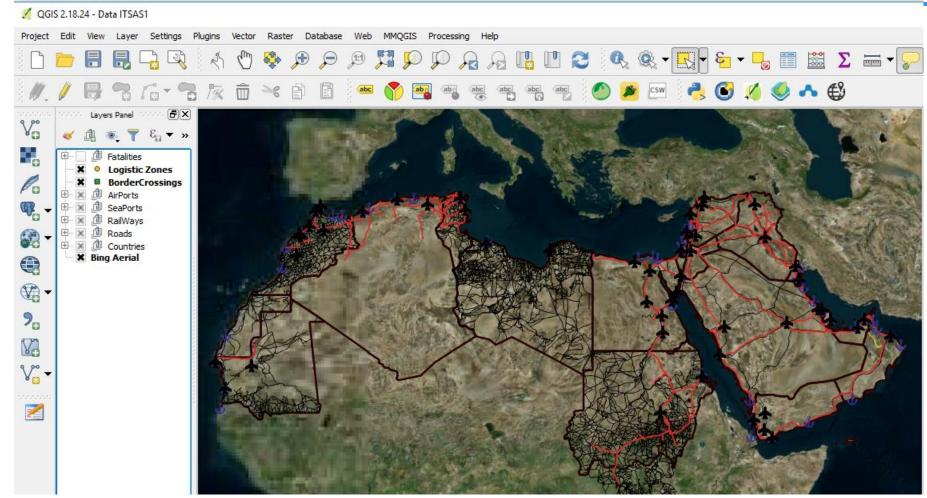
**Consolidated Mega Template for Transport GIS** 

ESCWA, ECE, CETMO

**ESCWA Open Source QGIS** 

**IDB Support for regional training workshop** 

## **Screen Pictures From QGIS**



## **Screen Pictures From Cloud GIS**

