Technical workshop
On the transport GIS approach harmonization
ESCWA, UNECE and IDB

Beirut, UN House, 9-11 July 2019

Zahira Abounoas
(Zahira.abounoas@gmail.com)
Content

1. Database creation
   Desktop GIS

2. Data entering
   Web based GIS
1. Database creation:

Terminology:
1. Database creation:

Data sources:

Geometric features:
- Existing data from: the project of “Capacity Building through cooperation in developing land and land-sea interregional transport linkages” (2007)
- Diva, Natural earth...

Attributes from the common template
So - what is a “Desktop GIS”? 

A desktop GIS is a mapping software that is installed onto and runs on a personal computer and allows users to:
1. Database creation: Desktop GIS

**Desktop GIS tasks:**

- Viewing (exploration)
- Creation (& extend dataset)
- Editing (modify dataset)
- Conflation (integrating datasets from different sources)
- Transformation (coordinate systems, raster/vector, resampling,…)
- Query (new views/selections)
- Analysis (new datasets with new information)
- Create maps
1. Database creation: QGIS

Main interface:
2- Data entering: Web based GIS

Introduction to Cloud GIS:

1. GIS Cloud is the web based GIS powered by cloud computing that provides full desktop GIS features enriched by the web.

2. GIS Cloud offers easy and efficient visualization, analysis and exploration of geographic information.

3. The primary goals of the GIS Cloud platform is to simplify exchange of geographical information between users and offer an easy way to analyze this information regardless of the location of its users.
2- Data entering: Web based GIS

Main Interface:
2- Data entering: Web based GIS

ITSAS data entering

**Editing non-geometric characteristics of features** (Day 1)
- Countries (25 attributes)
- Roads (64 attributes)
- Rails (33 attributes)
- Sea ports (25 attributes)
- Airports (27 attributes)

**Creating new features** (Geometric + non-geometric characteristics) (Day 2)
- Logistic zones (12 attributes)
- Border crossing (18 attributes)
2- Data entering: Web based GIS

Example 1: editing non-geometric characteristics
2- Data entering: Web based GIS

Example 2: Creating new features
Thank You for your attention

Log in to the account: 
https://manager.giscloud.com/
User Name: ITSAS
PassWord: UNescwa2019