


# SPATIAL METHODS

Google Earth – Open Street Map

Presenter : WAFA ABDULSAKHI

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**IDEAMAP**  
**SUDAN**

(IDeAMapSudan) INTEGRATED DEPRIVATION AREA MAPPING SYSTEM FOR DISPLACEMENT DURABLE SOLUTIONS AND SOCIOECONOMIC RECONSTRUCTION IN KHARTOUM, SUDAN







(2)

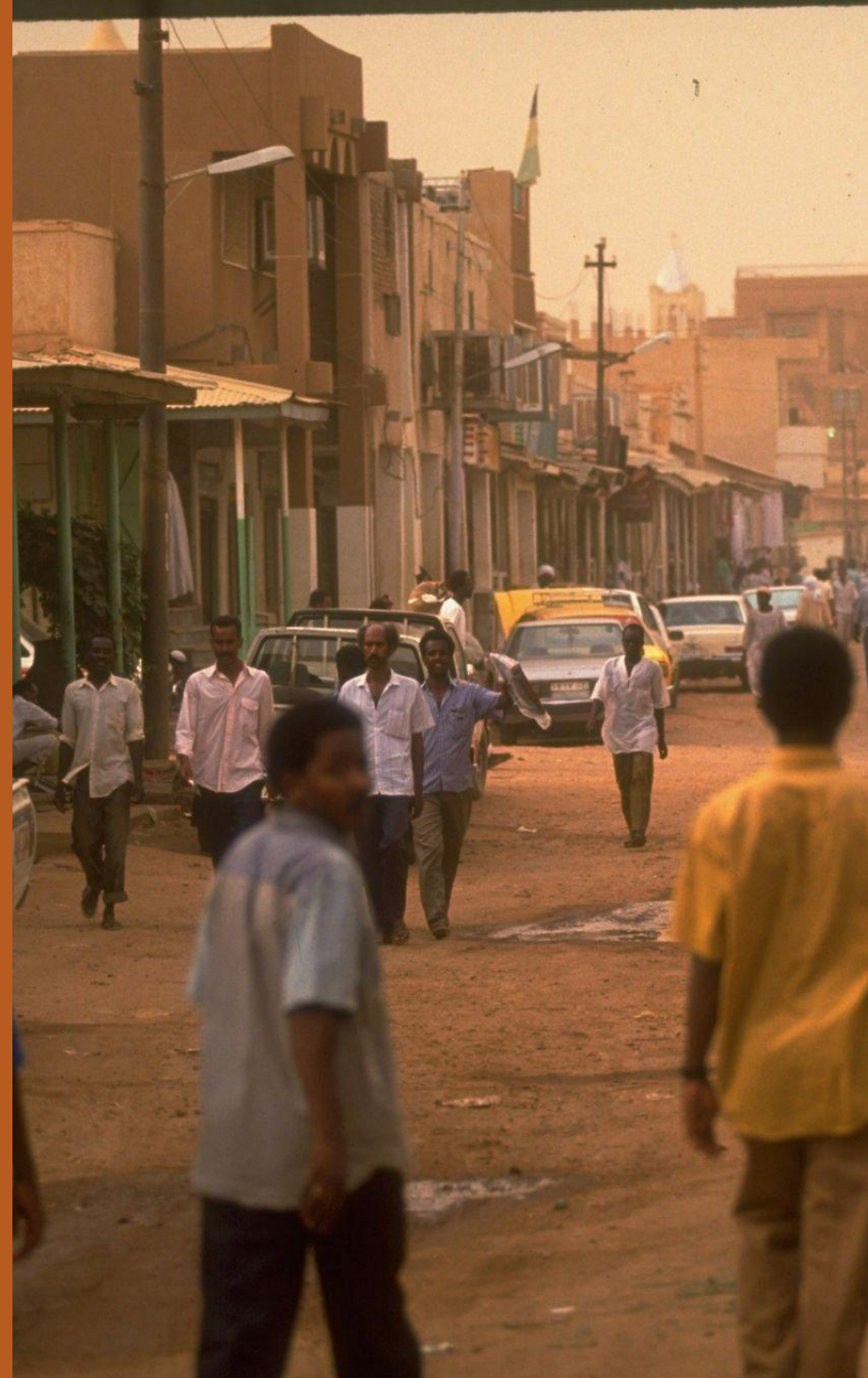
Open Street  
Map

(1)

Google Earth

(1)

Google Earth





## EXPLORE GOOGLE EARTH

- overview of Google Earth
- Learn the basics of using Google Earth, including how to "fly" around the globe,
- how to use the mouse controls,
- how to turn layers on and off and what the layers do



- نظرة عامة على برنامج Google Earth
- التعرف على أساسيات استخدام Google Earth ، بما في ذلك كيفية "الطيران" حول العالم ،
- كيفية استخدام ضوابط الماوس ،
- كيفية تشغيل وإيقاف الطبقات وماذا تفعل (الطبقات)

## EXPLORE GOOGLE EARTH

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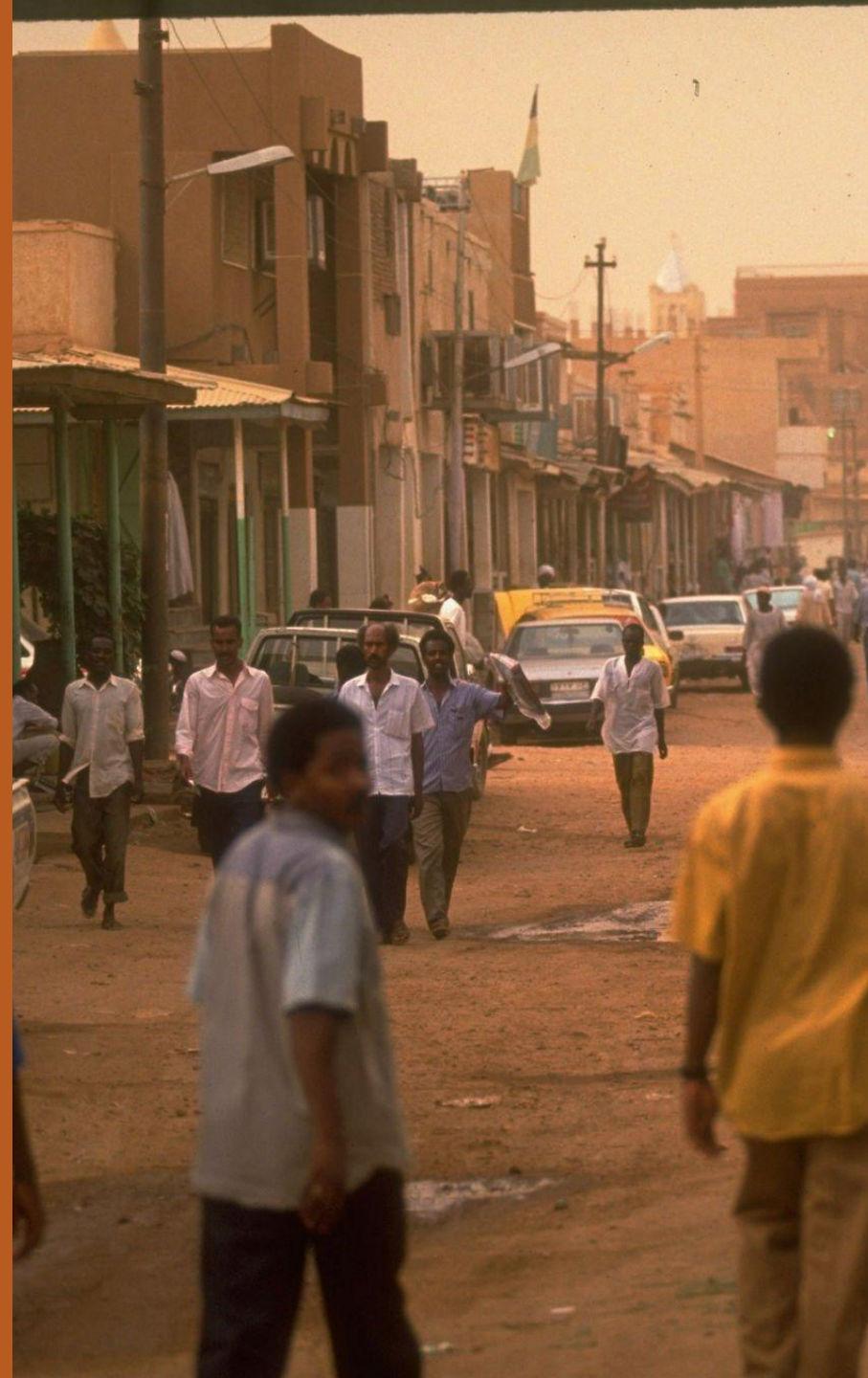
- [https://www.youtube.com/watch?v=klK27l3unng&ab\\_channel=TechnologyforTeachersandStudents](https://www.youtube.com/watch?v=klK27l3unng&ab_channel=TechnologyforTeachersandStudents)

(2)

## Open Street Map

- Part 1; be familiar with the interface
- Part 2; edit and download

- استخدام البيانات الثانوية
- تقييم البيانات
- البيانات الوصفية



## EXPLORE OPENSTREETMAP

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### PART 1

- learn how to master the OpenStreetMap interface by
- 1. creating an account
- 2. and using its basic mapping features.
- [https://www.youtube.com/watch?v=i03XRbKmlZU&ab\\_channel=U.S.CensusBureau](https://www.youtube.com/watch?v=i03XRbKmlZU&ab_channel=U.S.CensusBureau)

- [https://www.youtube.com/watch?v=3KopjwOI&ab\\_channel=MapGive](https://www.youtube.com/watch?v=3KopjwOI&ab_channel=MapGive)



**OpenStreetMap**





## EXPLORE OPENSTREETMAP

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### PART 2

- Walkthrough the map edits in the open street map
- 1. how to edit and delete in existing maps
- 2. how to add objects and new features.
- How to export and download
- [https://www.youtube.com/watch?v=5q7ypLoOsqc&ab\\_channel=Ryndon](https://www.youtube.com/watch?v=5q7ypLoOsqc&ab_channel=Ryndon)



# OpenStreetMap

03:07 PM



Taskbar containing various application icons: a blue gear icon, an anchor icon, the Firefox logo, a blue folder icon, a white document icon, a black mountain icon, a grey owl icon, a blue notepad icon, a blue flag icon, a grey printer icon, a blue and red headphones icon, a green house icon, a penguin icon, a red 'FZ' logo, a yellow teapot icon, a red monitor icon, a calculator icon, a purple application icon, a red circular icon, and a white mug icon. On the right side of the taskbar, there are system tray icons for volume, network, and a clock showing 03:07 PM.

## EXPLORE OPENSTREETMAP

### PRACTICAL !!

- In small groups explore data on Open street map
- open OSM
- Identify data related to your work (health care centers, schools, transport stations,...) or simply explore your neighborhoods
- Identify missing data based on your knowledge.

■ في مجموعات صغيرة استكشف البيانات على Open Street Map

■ افتح OSM

■ حدد البيانات المتعلقة بعملك (مراكز الرعاية الصحية ، المدارس ، محطات النقل ، ... ) أو ببساطة استكشف منطقة سكنك

■ حدد البيانات المفقودة بناءً على معرفتك.



# OpenStreetMap



- What geographic phenomena are shown in OSM?
- List examples of fields and objects in OSM - how are they represented?
- Which missing data related to your work should be added to OSM?

- ما هي الظواهر الجغرافية التي تظهر في OSM؟
- اذكر أمثلة الحقول و الأشياء في OSM –
- و كيف تم إظهارها؟
- ما هي البيانات المفقودة المتعلقة بعملك التي يجب إضافتها إلى OSM؟

**THANK YOU FOR YOUR ATTENTION!**