Plan Overview

A Data Management Plan created using DMPTool

Title: green city development plan for sebeta city

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Project abstract:
In its effort to change the backward economic, social and Environmental status of the city, the Sebeta city administration is undertaking various construction and natural preservation project to provide public services corresponding to the needs of the users of the city administration as part of “Good Governance” & sustainable economic development. It is a fact that town/city planning is experiencing a crisis: at least the concept of town planning that appeared with the Modern Movement and its myriad of planners. The city phenomenon is continuously increasing and extending the boundaries of the city area. Some indicators and experts’ opinions indicate a lower index of city planning than expected by the UN. However, the reality in the cities presents a number of problems that are worth mentioning. The invasion of pericity spaces causes the loss of land, natural resources and landscape. All these problems will be solved by “Green City” concept.

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green city development plan for sebeta city

Data Collection

What data will you collect or create?

1. Topographic data of sebeta city and surroundings from sebeta city administration.
2. Climatic data (annual rainfall, temperature, humidity, wind speed and direction) of the past 50 years for sebeta city.
3. DEM (digital elevation model) open access databases.
4. Demographic data of sebeta city from sebeta city administration.
5. Master plan of sebeta city both hard and soft copy from sebeta city administration.
6. Airial photographs of the city with high resolution.
7. Collect the relevant socio-economic data: Collect demographic data by using data collection formats, Collect Social information by using data collection formats.
8. Collect the key economic data by using data collection formats.
9. Collect the relevant physical/spatial and environmental data: Prepare topographic maps in 1:2000 or 1:2000 scale, Collect existing detailed land use data and indicate on the prepared map.
10. Collect the necessary institutional information.

How will the data be collected or created?

- Compile collected data systematically: Encode the empirical information, Tally the qualitative information, Interpret the data organized, and attach the necessary explanatory notes and file sources of data properly.
- Survey using field tools, such as GPS devices.

Documentation and Metadata

What documentation and metadata will accompany the data?

- date created, size, coverage, type
- Arch-GIS version 10 or above is needed
- Auto Desk revit 20 is needed to develop and read drawing and maps.

Ethics and Legal Compliance

How will you manage any ethical issues?

- data will be secured and stored (anonymously)

How will you manage copyright and Intellectual Property Rights (IP/PR) issues?

- The Data will be owned by the project team.
- CC BY-NC-ND type of creative common license will be used.

Storage and Backup

How will the data be stored and backed up during the research?

- 2 TB separate hard disk 3 personal computers will be used for data storage.
- open access sites such as ZENODO will be used for backup.

How will you manage access and security?

- Proper data security and storage is needed to avoid missing data in case of PC failure. We will use online open access data storage for backup.

Selection and Preservation

Which data are of long-term value and should be retained, shared, and/or preserved?

- Master plan of the city is used in the project period and should hand over to two the city administration office.
What is the long-term preservation plan for the dataset?

- re3data.org and zenodo.org will be used to store data.

**Data Sharing**

How will you share the data?

- the data will be shared only by the approval of the three bodies 1) project core team 2) ASTU 3) Sebeta city administration office

Are any restrictions on data sharing required?

- the collected sensitive data types will be remained confidential whereas less sensitive data will be accessible openly after the project is completed.

**Responsibilities and Resources**

Who will be responsible for data management?

- core team of the project will be responsible to implement the DMP.

What resources will you require to deliver your plan?

- separate team will be established to handle data management plan issues
- software version controls should be maintained.