UP SCALING THE GRAIN AMARANTH TECHNOLOGY IN KITUI COUNTY

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INTRODUCTION

- Catholic Diocese of Kitui is working with 57 groups of people living with HIV/AIDS (PLHIV), two groups of People living with disability (PLWD), 36 farmer groups, two primary and two secondary schools and one polytechnic on up scaling the grain amaranth technology.

- These groups were sensitized on the nutritional value of the grain amaranth as well as the potential to earn income, and were trained on how to prepare and use amaranth products.

- Participating farmers have given testimonies of how their health improved as a resulting of consuming grain amaranth products. Others have testified of earning income from amaranth that they used to pay school fees and feed their families.

OBJECTIVES

GENERAL OBJECTIVE

- To assist farmers in Kitui in identifying suitable areas for growth of amaranth grain using open-source technologies

SPECIFIC OBJECTIVES

- To come up with suitable areas using multi-criteria decision analysis
- To educate farmers on how to grow the amaranth grain
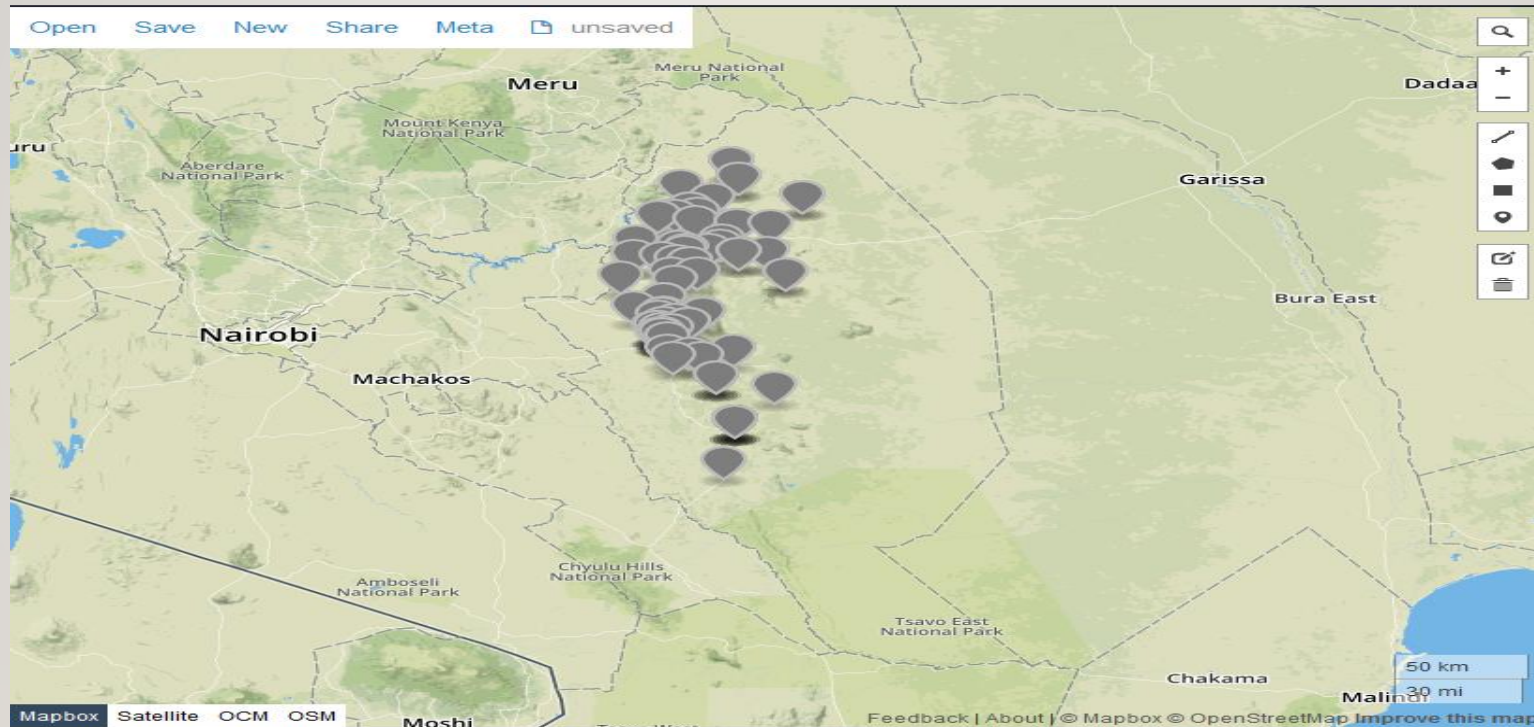- To come up with a web-application

PROBLEM STATEMENT.

- Kitui County is in the semi-arid areas in Kenya, thus is affected by food shortage.

- KALRO/ASAL in collaboration with the Catholic Diocese have come up with a project to curb food insecurity in Kitui County, and engaged several groups of people in the grain amaranth technology project.

- The groups were introduced to the nutritional and economical value of the grain as well as how to prepare and make use of the amaranth products.
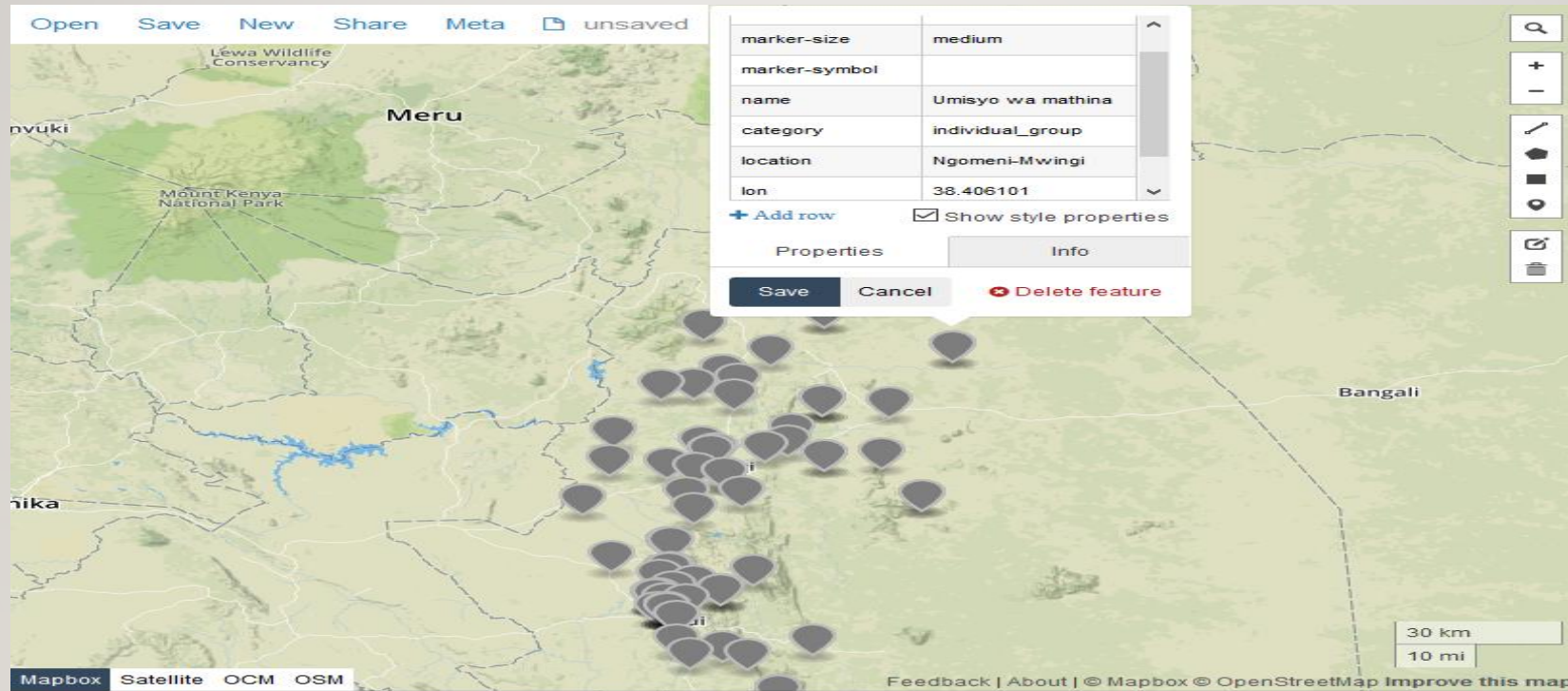
SOLUTION

- We have come up with a web application that maps the different amaranth growing areas.

- The web application provides basic information about the amaranth grain.

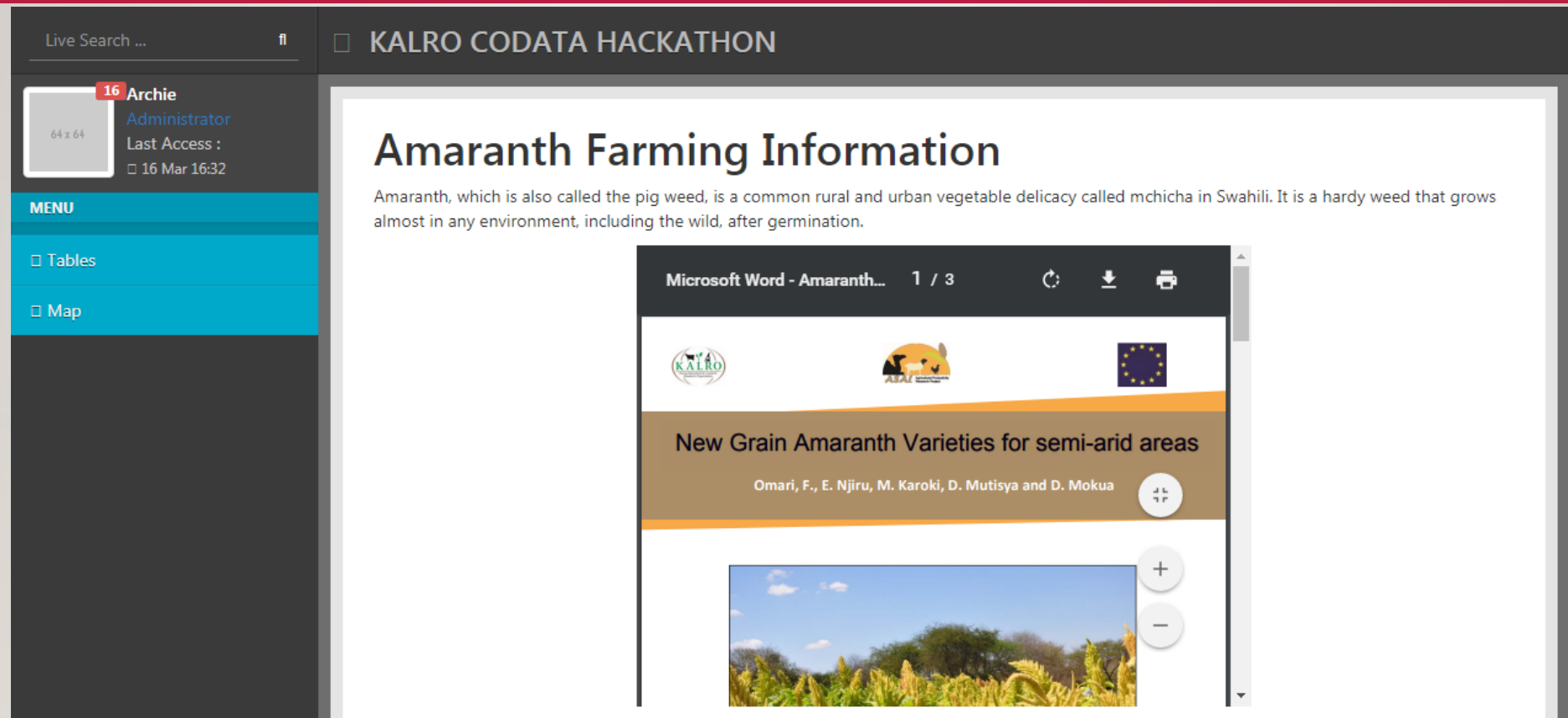- The web application also sorts the data by category, name or location.

GEO CODES OF KITUI COUNTY AMARANTH AREAS

GEO CODES OF KITUI COUNTY AMARANTH AREAS CTD…

PROPOSED WEB APP(HOME PAGE)

PROPOSED WEB APP(MAPS PAGE)