

SWOT Analysis

Large-scale biogas business model

Survey methods

An online survey was administered to a few selected stakeholders with experience of large-scale biogas in Africa.

Experience came specifically from the following countries:

- Ghana
- Benin
- Nigeria
- Sierra Leone
- Liberia
- Togo

It is also relevant to other countries in Africa where participants have wider experience.

SWOT analysis on large-scale biogas systems in Africa

SWOT analysis is a technique for identifying the potential for future growth for a particular business model. It is used to identify the strengths and weaknesses internal to the model and also the opportunities and threats present in the external environment. These four factors (Strengths, Weaknesses, Opportunities and Threats) make up the SWOT acronym. SWOT can be used to identify the best opportunities for the future, and current and future threats of a business model; this can then be used to develop a strategy for future growth.

* Required

Which among the aspects listed below, are the major strengths of large-scale biogas technology in Africa? Strengths are internal factors that are favorable for achieving the system's objective. Please indicate all of the potential strengths of large scale biogas systems in an African country in which you are based or have experience in. Please indicate any extra strengths that do not correspond to the categories below in the space provided.

Your answer

S1. Energy

- ☐ Additional source of income
- ☐ Cut down energy costs through self-provision
- ☐ Utilization of locally available feedstock and waste management
- ☐ Reduced use of other type of fuel (i.e. liquid fuel, wood)
- ☐ Other:

Participants selected all relevant factors that they deemed important.

Participants were also asked to add factors that were not already listed.

Strengths

Effective use of agro-industrial waste: easy and healthy waste disposal

Increase soil quality (soil organic matter content) and fight soil depletion

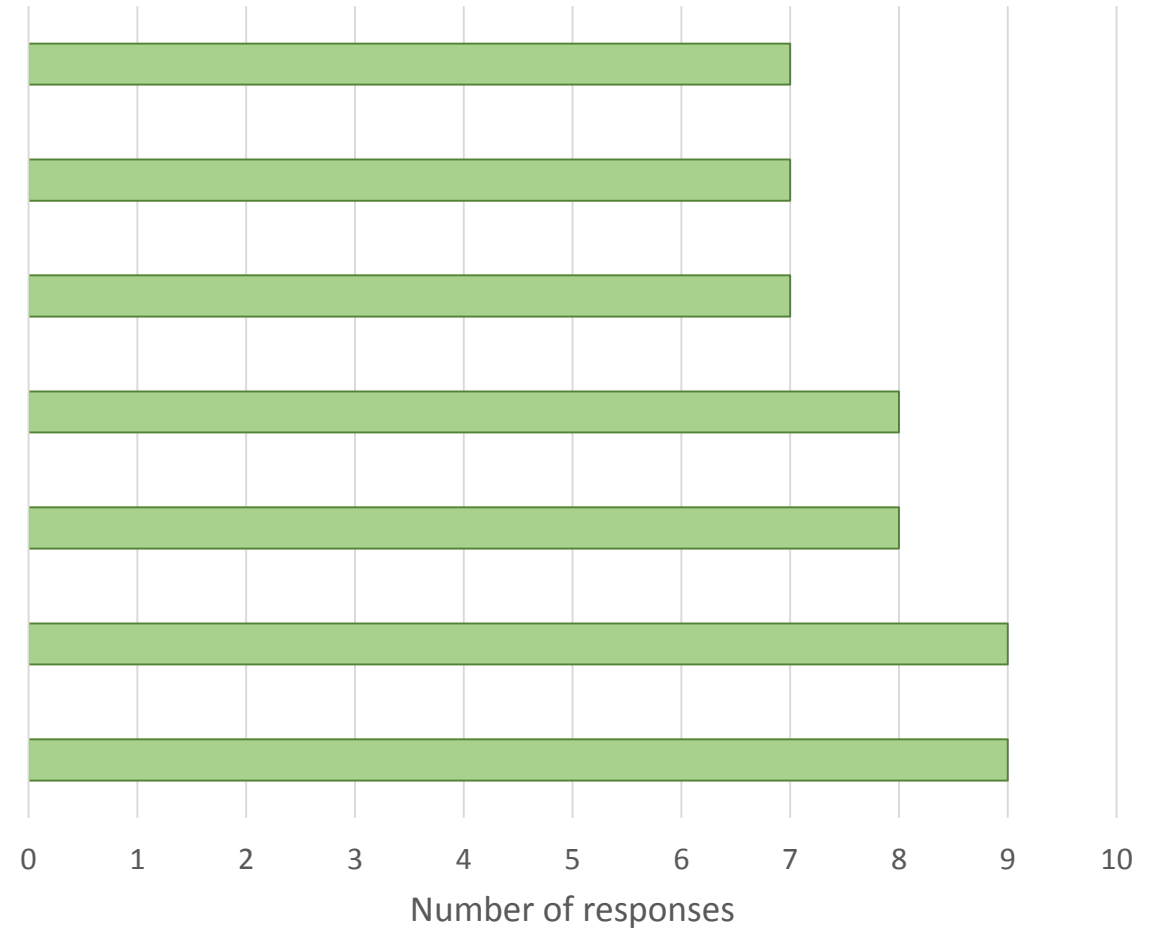
Cut down energy costs through self-provision

Increase crop yield

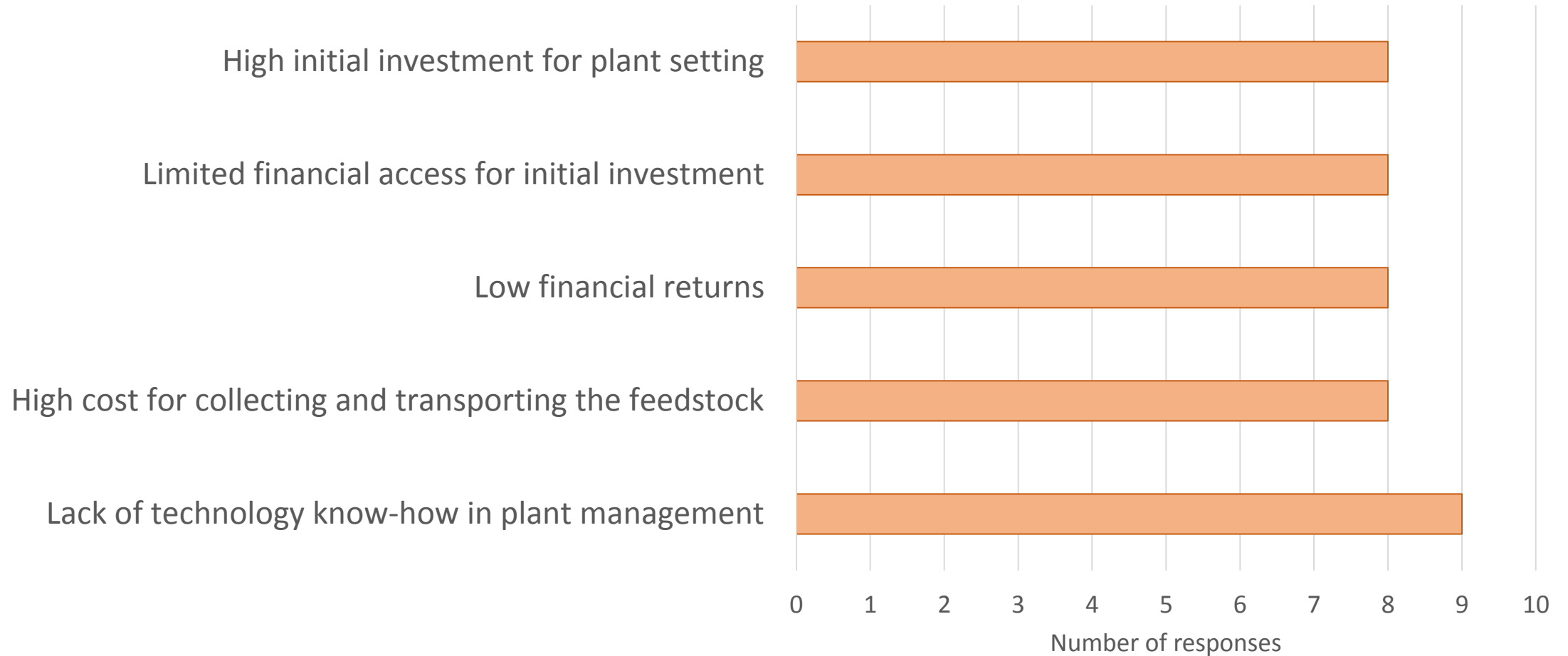
Improved community sanitation

Reduces the use of other type of fuel (e.g. fossil fuel wood) and the related environmental impacts

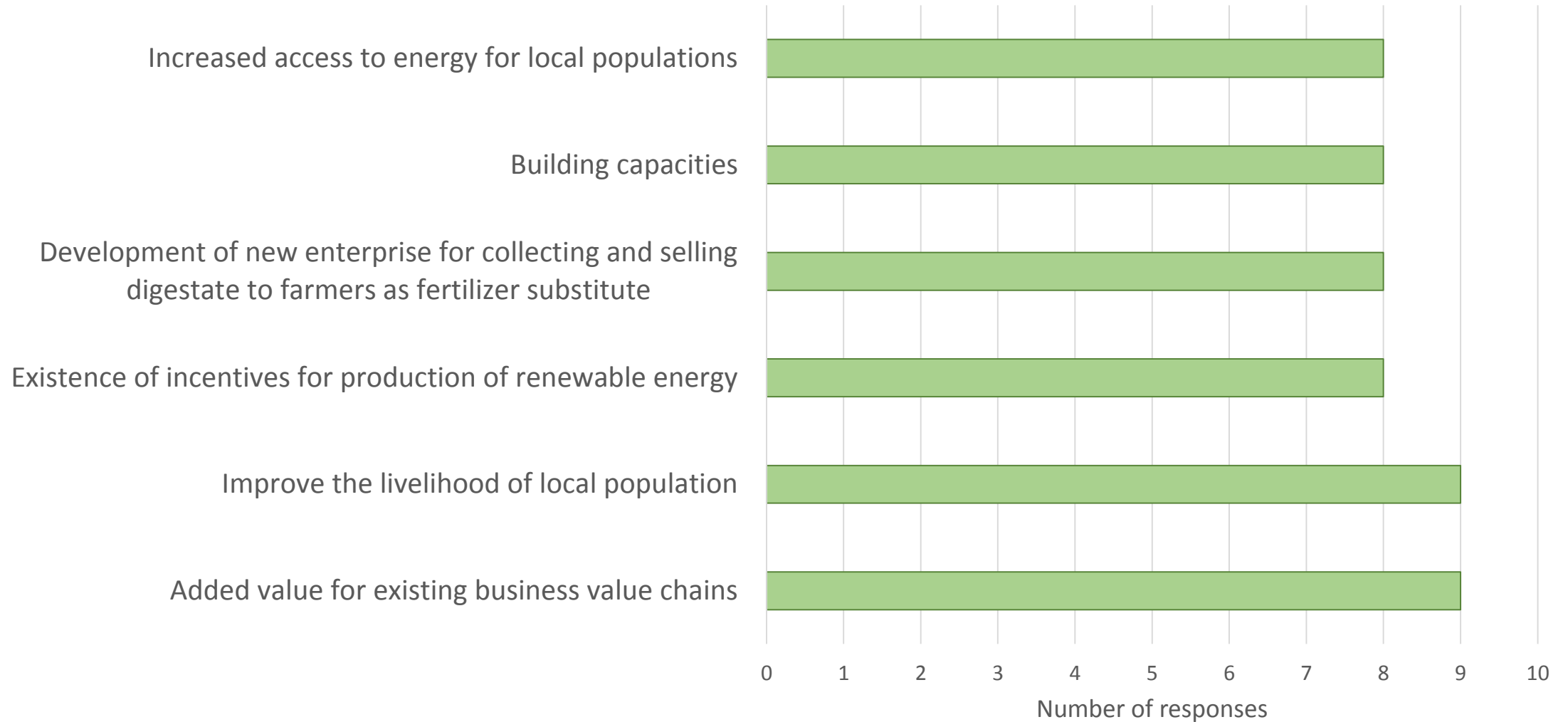
Reduced number of sanitation-related diseases and sicknesses due to poor waste management



Weaknesses



Opportunities



Threats

