

Results of the Questionnaire Survey and Publication of “Waste Management Profile in Africa” in TICAD VII

ACCP Action Plan and Outcomes towards TICAD VII

Ikuo MORI
JICA Study Team

What is the Questionnaire Survey?

- What is the questionnaire survey?
 - A tool to collect information of solid waste management in member countries/cities of ACCP through internet
- Objective of the Questionnaire Survey
 - To prepare “Waste Management Profile in Africa”

What is “Waste Management Profile in Africa”?

- What is the “Waste Management Profile in Africa”?
 - It shows information about solid waste management in member countries/cities of ACCP.
 - It is mainly consists of **Country/City Profiles**.
- What are objectives of the “Waste Management Profile in Africa”?
 - To share information of SWM among member countries/cities and others
 - To be a base for accumulating the information in the future
 - To provide information to responsible persons of countries/cities, donors, investors and others for decision making

Note: Name of “Waste Management Profile in Africa” is still tentative.

Schedule of preparation of “Waste Management Profile in Africa”

- Schedule

- September 2018: 1st draft to be prepared
- March 2019: 2nd draft to be prepared
- May (TBD) 2019: to be published in TICAD VII

- Targets

- Profiles of all member countries (approximately 30 countries)
- Profiles of all capital cities of member countries (approximately 30 cities)

What are Country/City Profiles?

Main contents of the
“Waste Management
Profile in Africa”



needs1

A series of program type projects, such as assistance for master plan preparation, technical cooperation and financial cooperation for implementation of master plan, are recommended in the Kinshasa City.

SWM Profile for
the Country of Democratic Republic of the Congo

As of April 2018

The Democratic Republic of the Congo (DRC) borders the Central African Republic and South Sudan to the north; Uganda, Rwanda, Burundi and Tanzania to the east; Zambia to the south; Angola to the southwest; and the Republic of the Congo and the Atlantic Ocean to the west. It is the second-largest country in Africa (largest in Sub-Saharan Africa) by area and 11th largest in the world. With a population of over 78 million, the DRC is the fourth

Members and Partners

- Focal points
- Country Profile
- City Profile
- Host organizations
- How to join
- Discussion group

Search from the list

How to prepare Country/City Profiles

- Basically focal points provide information of SWM in their countries/cities.
- JICA Study Team supports the focal points to assemble their information for the profiles.
 - Questionnaire survey through the internet
 - Interview survey at the ACCP annual meeting, during trainings in Japan, etc.
 - Field survey: JICA Study Team visits your countries/cities. So far, Ethiopia and Democratic Republic of Congo

Interview survey



Site visits



Choices how to prepare Country/City Profiles

Case	Description	Actions
Case 1	Focal Points by themselves prepare profiles.	1) Answer the web questionnaire
		2) Receive a format of profile
		3) Fill up the format
Case 2	Focal Points be interviewed	1) Answer the web questionnaire
		2) Be interviewed by JICA Study Team (JST) during the Yokohama training and other occasions
		3) Confirm a profile prepared by JST
Case 3	Focal Points be visited by local consultant (max. approx. 10 countries)	1) Answer the web questionnaire
		2) Be visited by JST
		3) Confirm a profile prepared by JST

Please choose one of cases and email to accp_quest@exri.co.jp

Progress of the Study

Survey	Countries	Cities
Questionnaire		
Interview		
Site visit	2	2 (4)
Profile completed	2	2 (4)
Profiles to be prepared	28	28
Total profiles	30	30

The targets are a central government institution and a local government institution from each member countries. We have to rush in preparation of the profiles.

Survey on medium cities

- Web questionnaire survey on medium cities having a population of 300,000 and more
- If your country wants to collect information of the cities, please give contact persons and their email addresses to JICA Study Team emailing to accp_quest@exri.co.jp

No.	Urban Area	Country	Pop. 2015	累計人口	累計割合
1	Al-Qahirah (Cairo)	Egypt	18,772	18,772	8%
2	Lagos	Nigeria	13,123	31,895	13%
3	Kinshasa	D.R. Congo	11,587	43,482	18%
4	Johannesburg	South Africa	9,399	52,880	22%
5	Luanda	Angola	5,506	58,386	24%
6	Al-Khartum (Khartoum)	Sudan	5,129	63,516	26%
7	Dar es Salaam	Tanzania	5,116	68,631	28%
8	Abidjan	Côte d'Ivoire	4,860	73,491	30%
9	Al-Iskandariyah (Alexandria)	Egypt	4,778	78,269	32%
10	Nairobi	Kenya	3,915	82,184	34%
20	Ouagadougou	Burkina Faso	2,741	114,515	47%
30	Pretoria	South Africa	2,059	138,270	57%
40	Huambo	Angola	1,269	156,277	64%
50	Tarabulus (Tripoli)	Libya	1,126	168,180	69%
60	Lomé	Togo	956	178,451	73%
70	Blantyre-Limbe	Malawi	808	187,089	77%
80	Maiduguri	Nigeria	728	194,732	80%
90	Tshikapa	D.R. Congo	690	201,831	83%
100	Kitwe	Zambia	590	208,326	85%
110	Banjul	Gambia	504	213,731	88%
120	Tamale	Ghana	486	218,675	90%
130	Mbeya	Tanzania	444	223,310	91%
140	Gombe	Nigeria	417	227,622	93%
150	Gboko	Nigeria	381	231,558	95%
160	Kismaayo	Somalia	366	235,267	96%
170	Matadi	D.R. Congo	337	238,723	98%
180	Eldoret	Kenya	321	242,020	99%
187	Batna	Algeria	307	244,220	100%

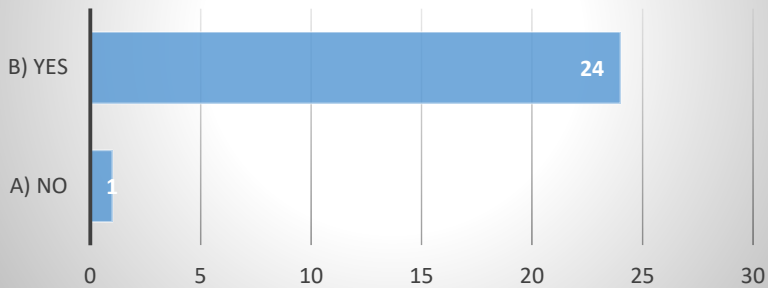
Results of the questionnaire survey (tentative)

At ACCP 1st Annual Meeting

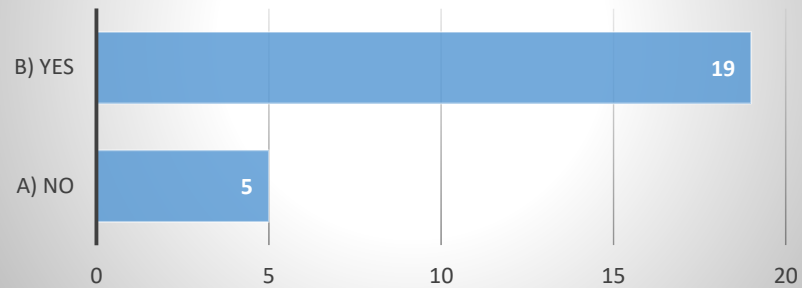
Results: Countries

Results: countries (Institutional 1/2)

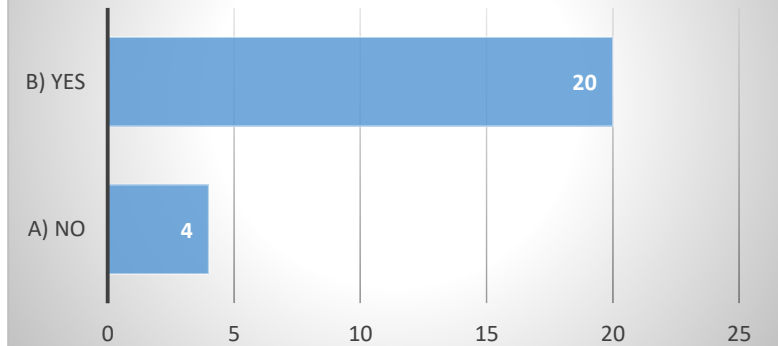
Do you communicate with local governments for implementing laws/regulations?



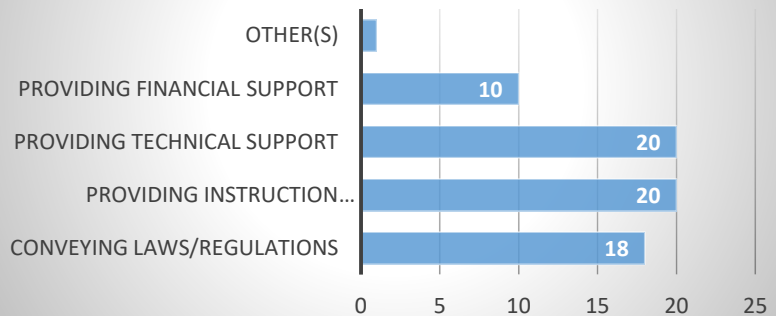
Do you monitor/evaluate the implementation of laws/regulations in cities?



Do you use results of the monitoring/evaluation?



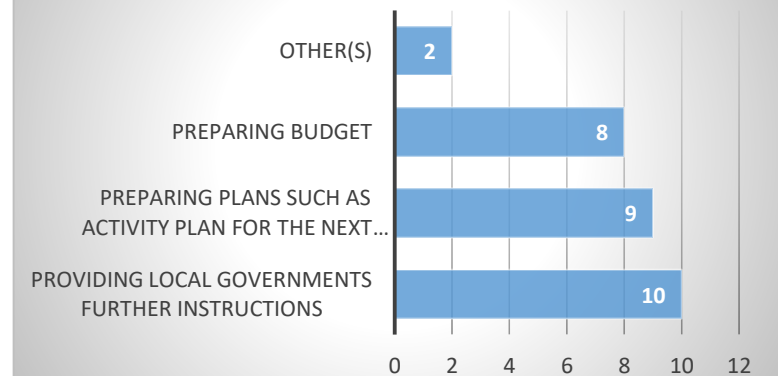
How do you communicate with local governments?



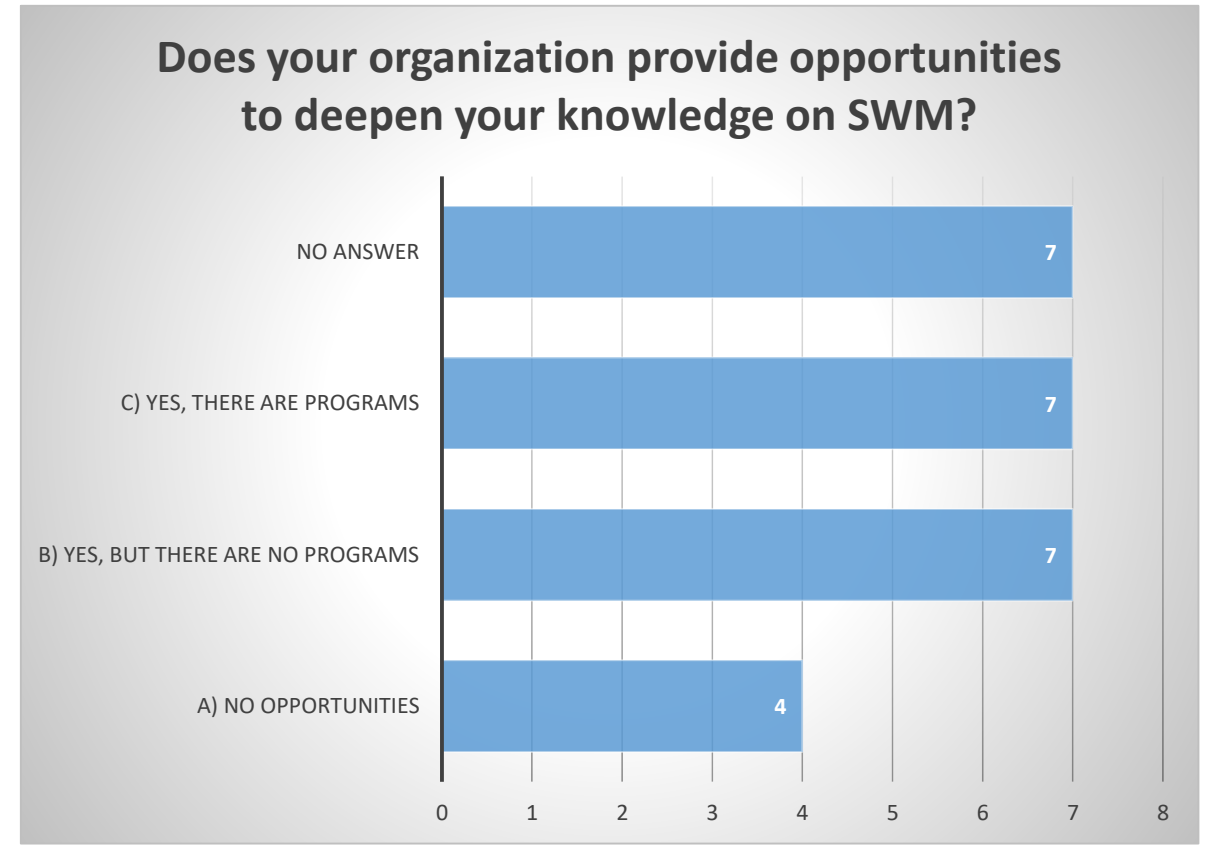
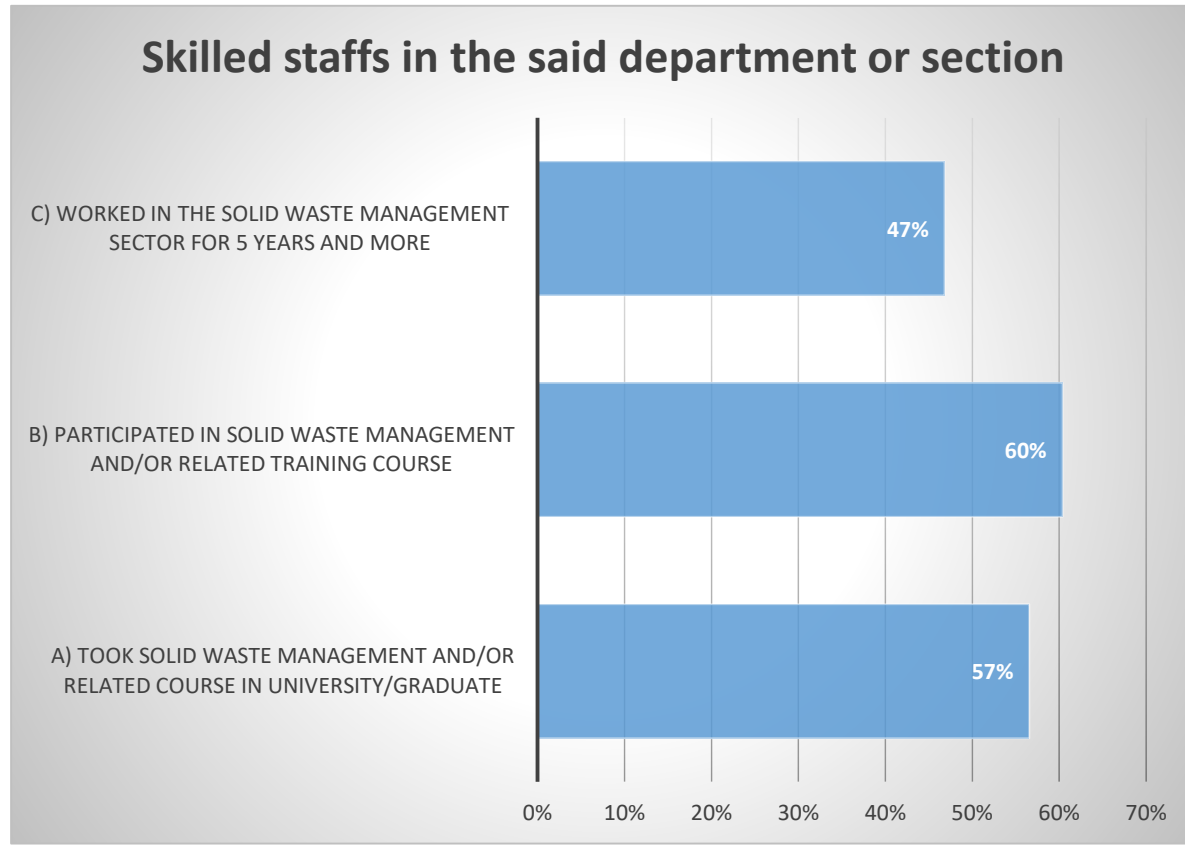
How do you monitor?



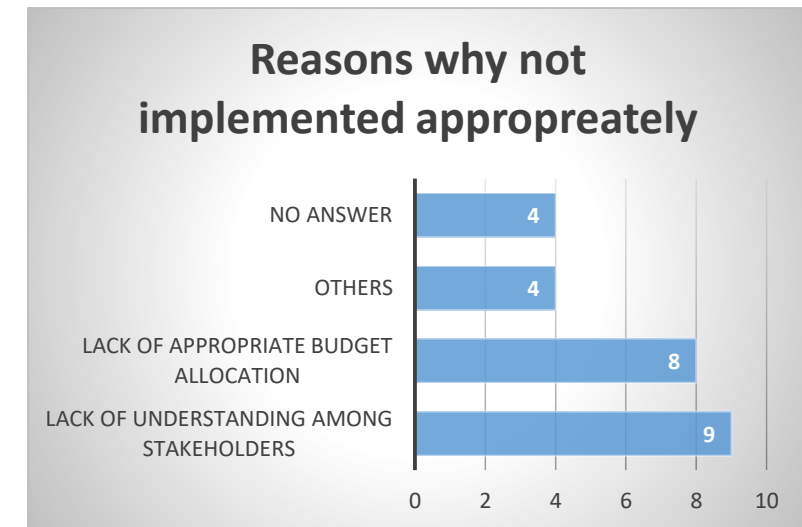
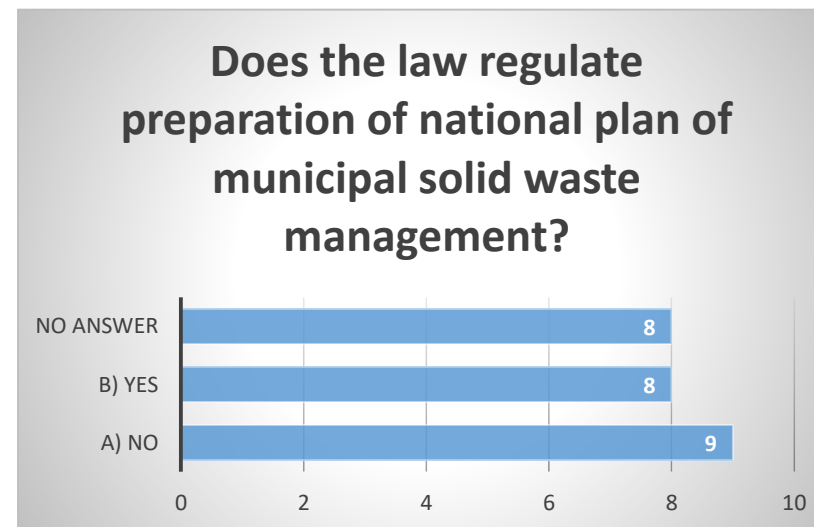
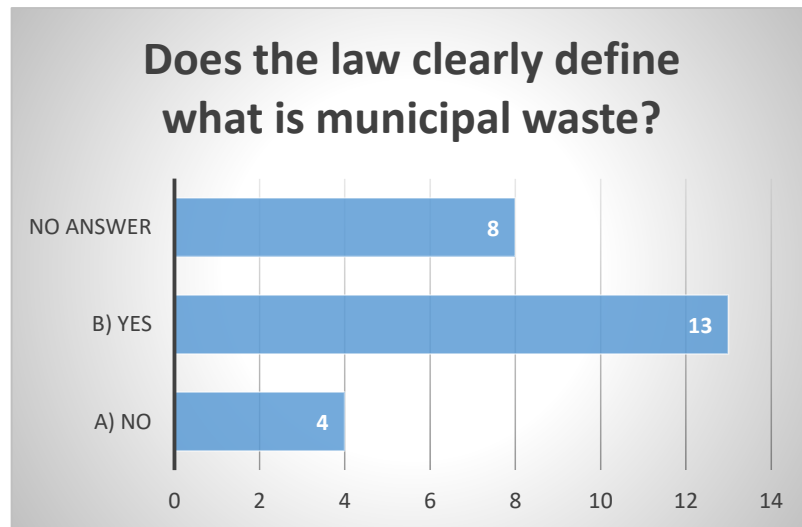
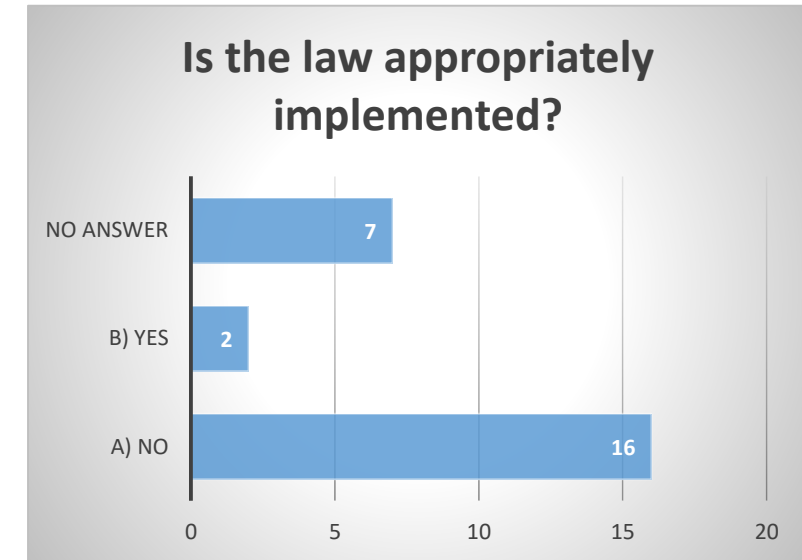
How do you use the results?



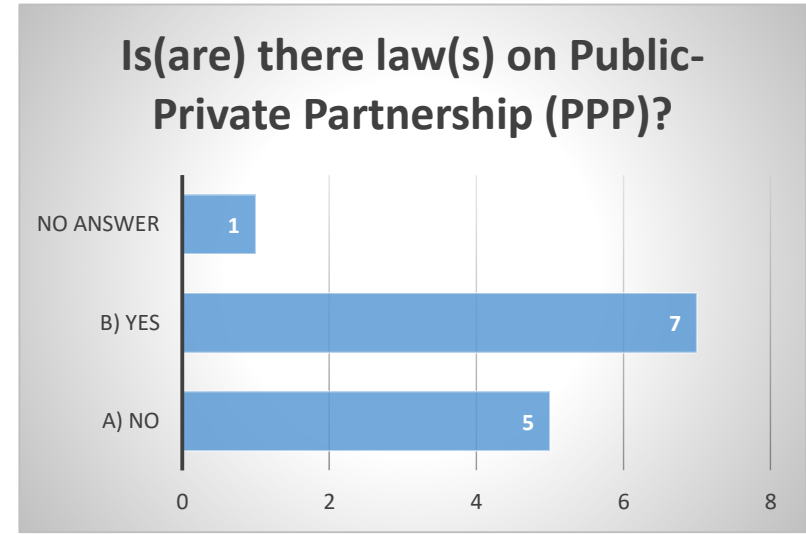
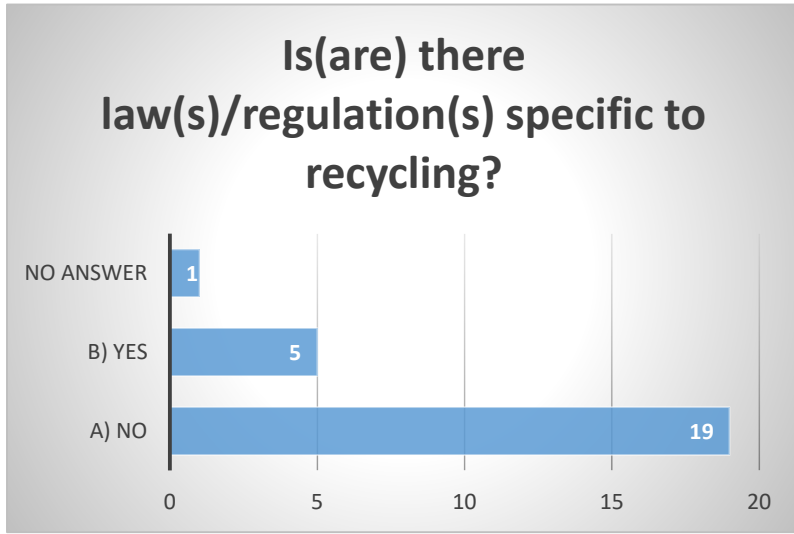
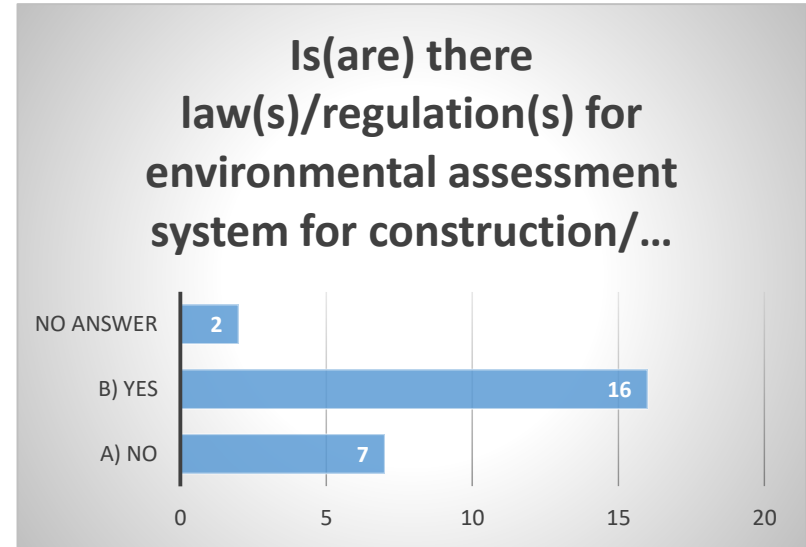
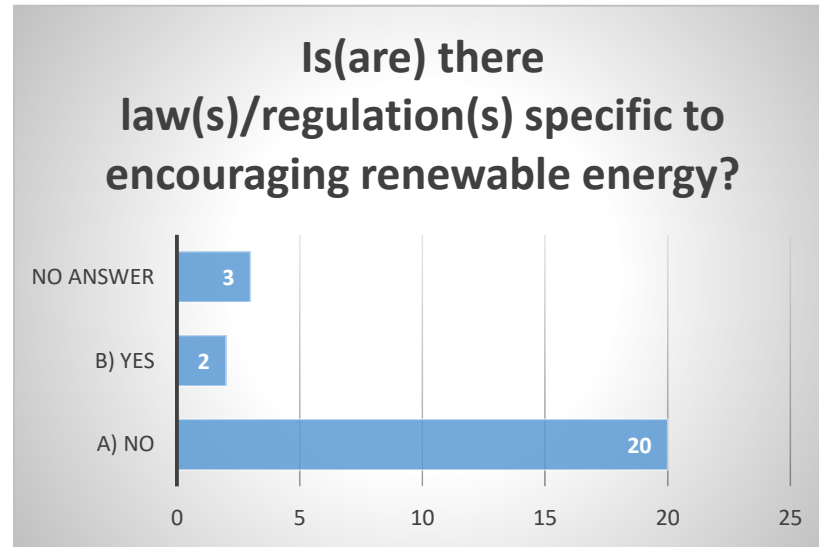
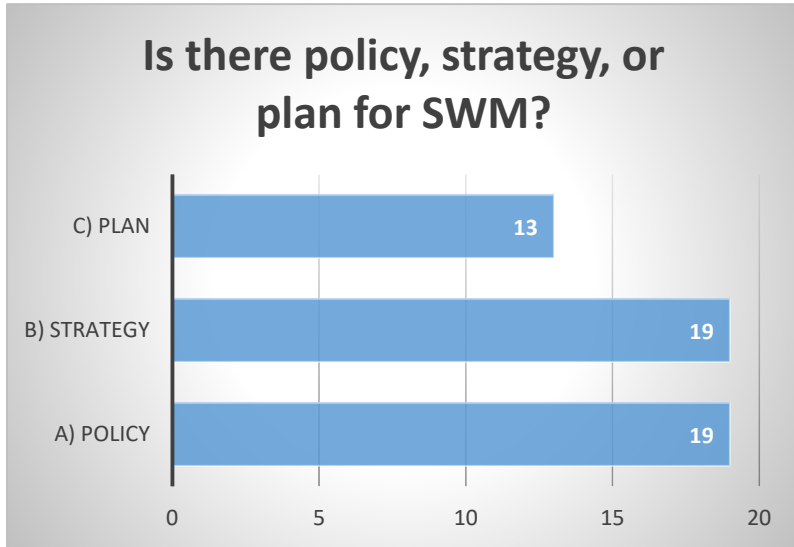
Results: countries (Institutional 2/2)



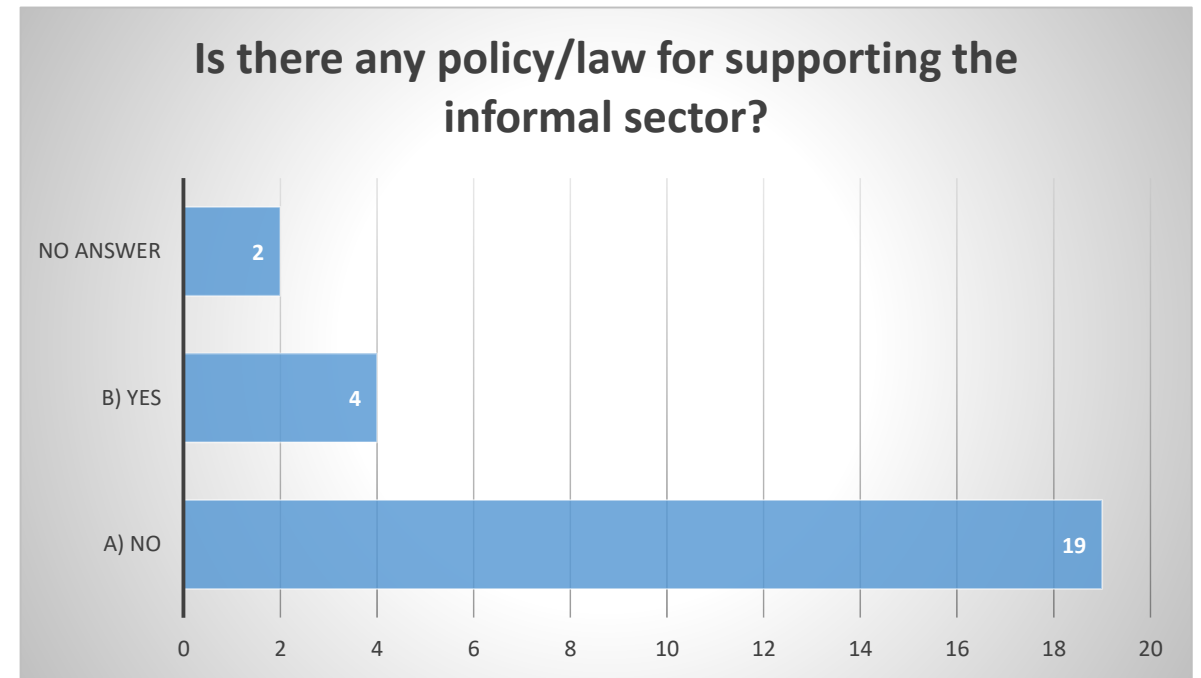
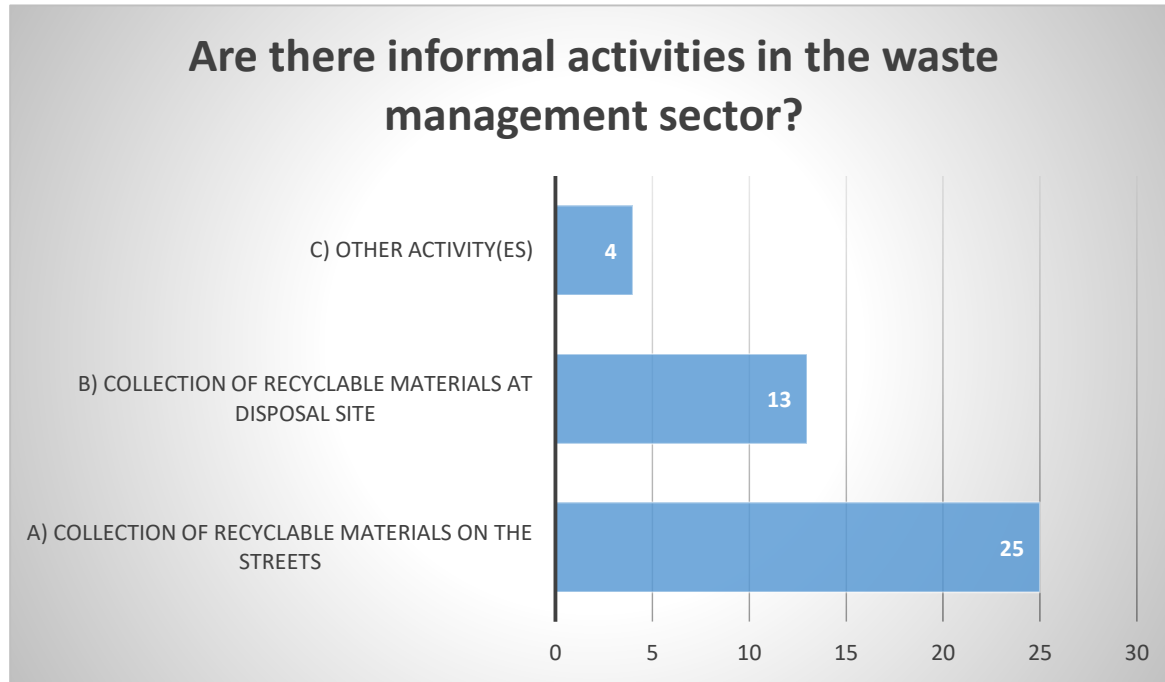
Results: countries (Legal 1/2)



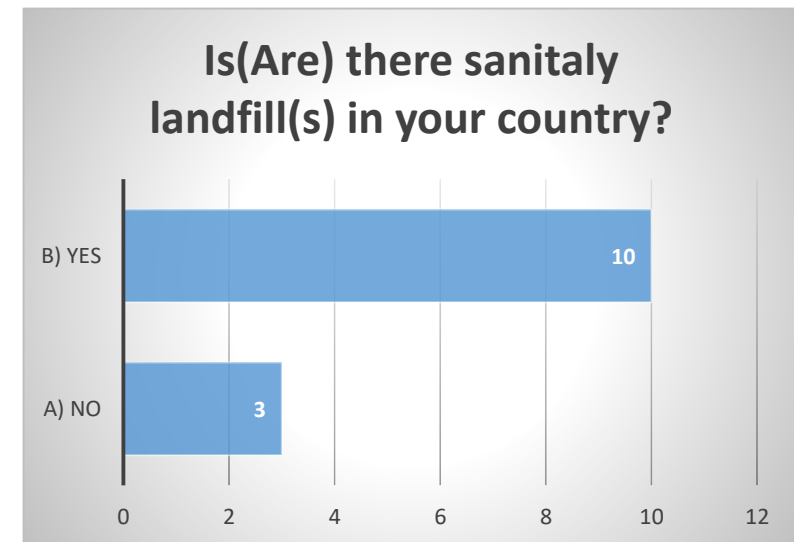
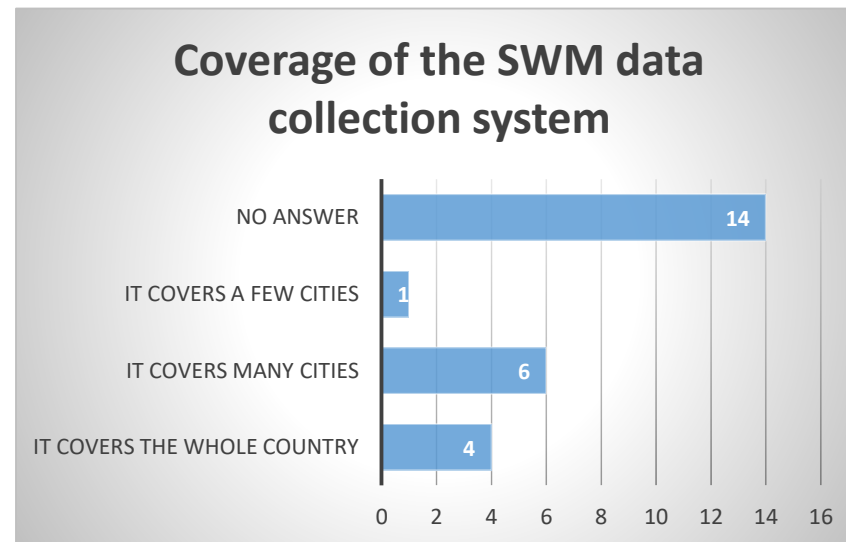
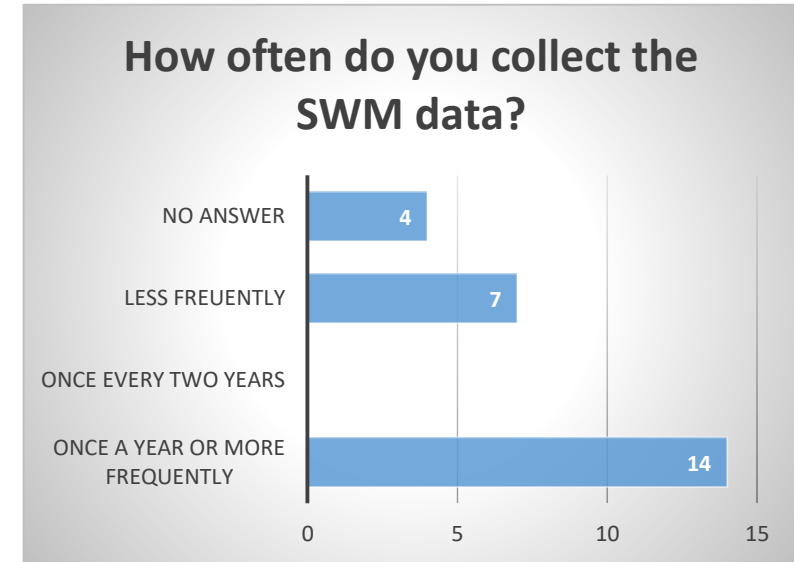
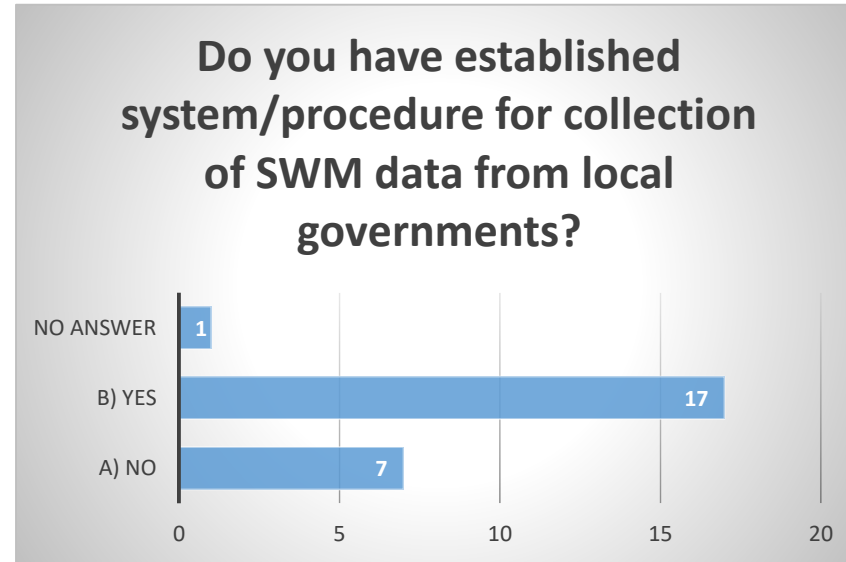
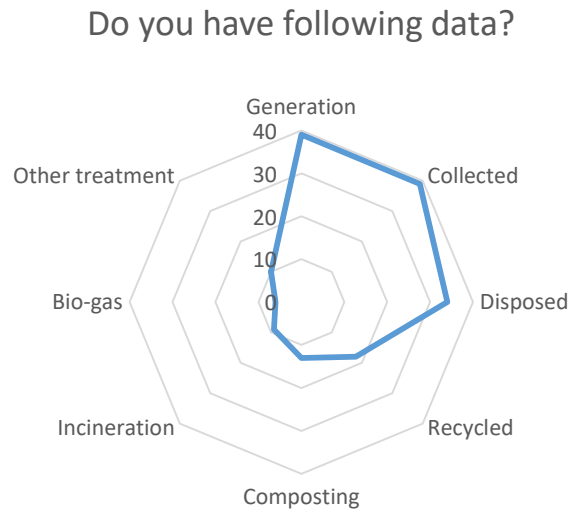
Results: countries (Legal 2/2)



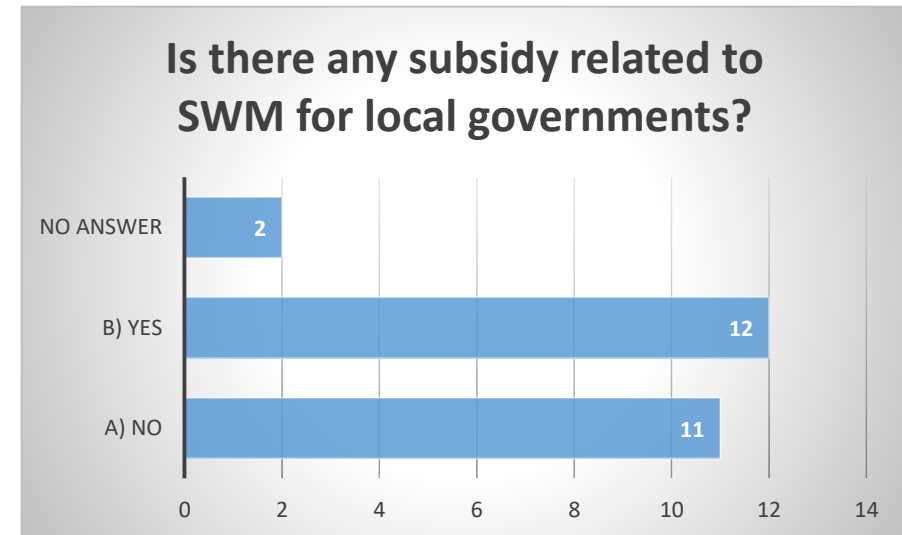
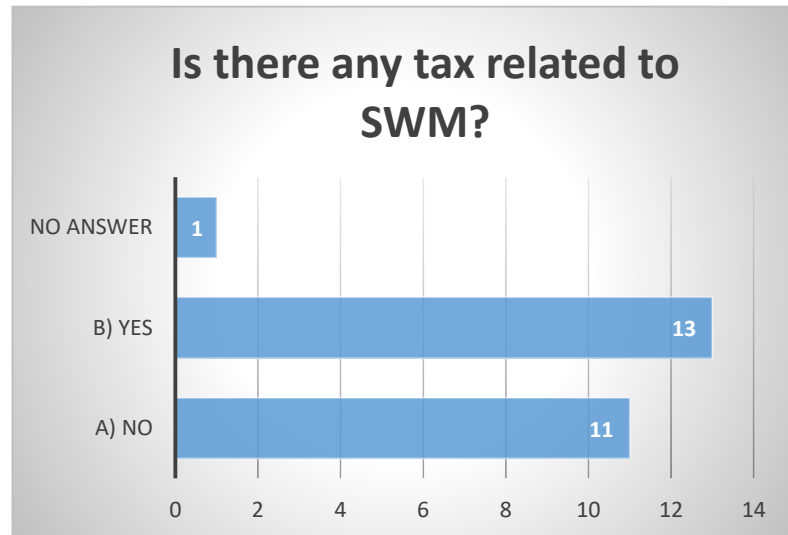
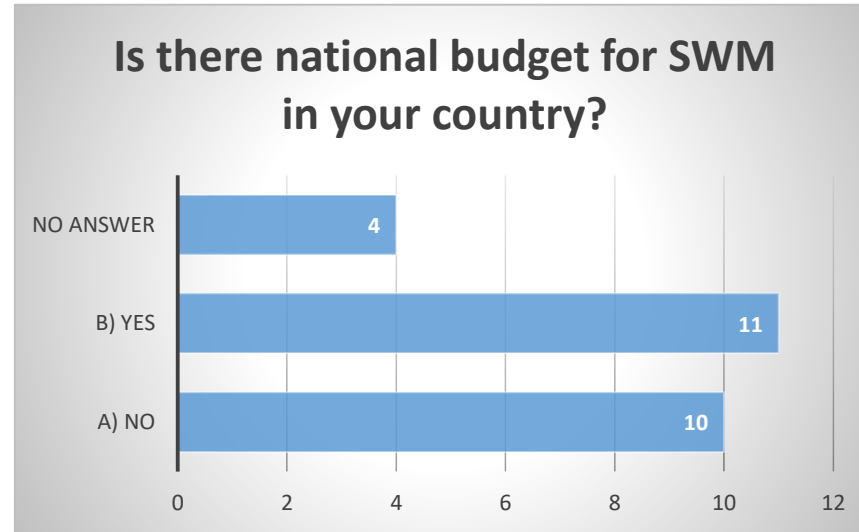
Results: countries (Informal Sector 1/1)



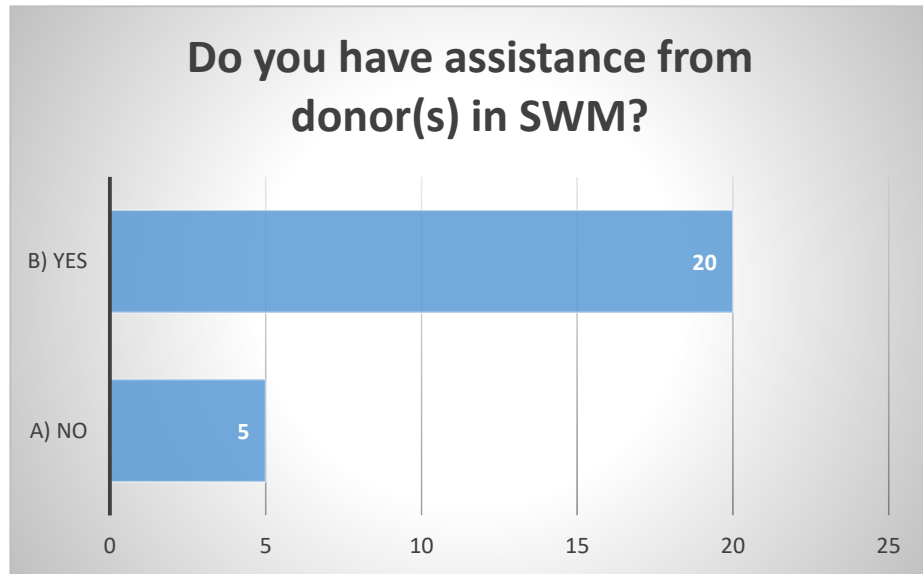
Results: countries (Technical 1/1)



Results: countries (Financial 1/1)

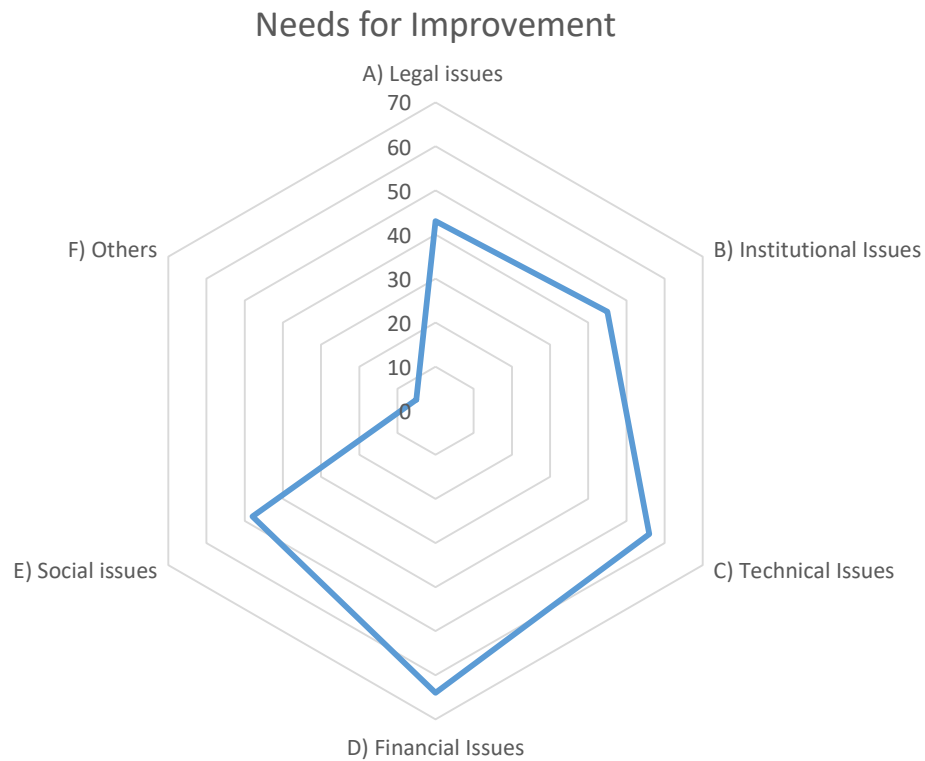


Results: countries (Donor Assistance 1/1)



EU,
GIZ,
JICA,
KfW,
Private sector,
UNDP,
UNIDO,
World Bank, etc

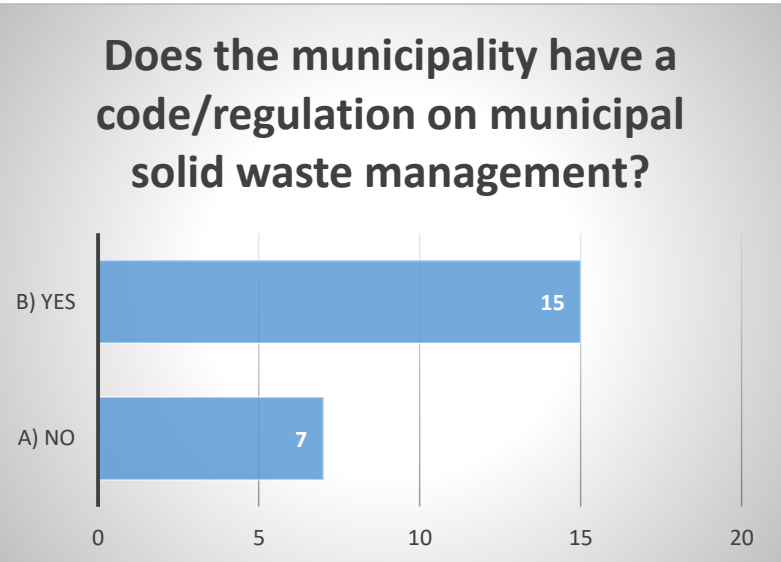
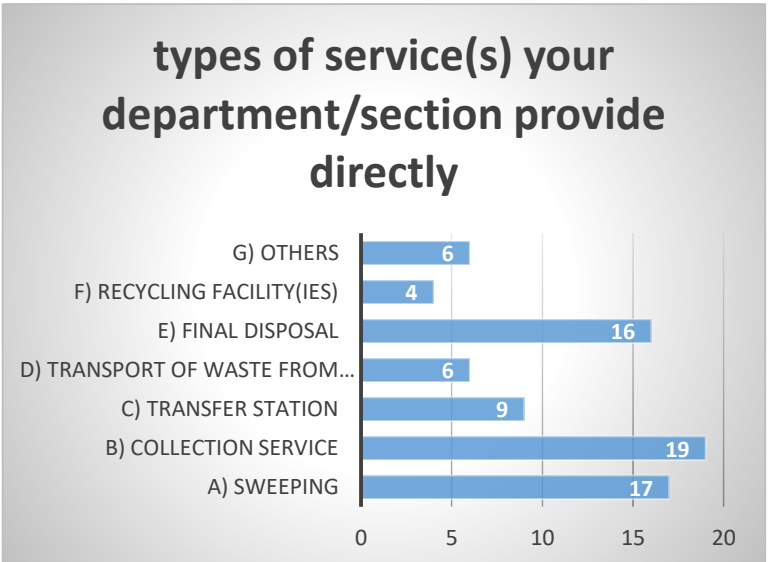
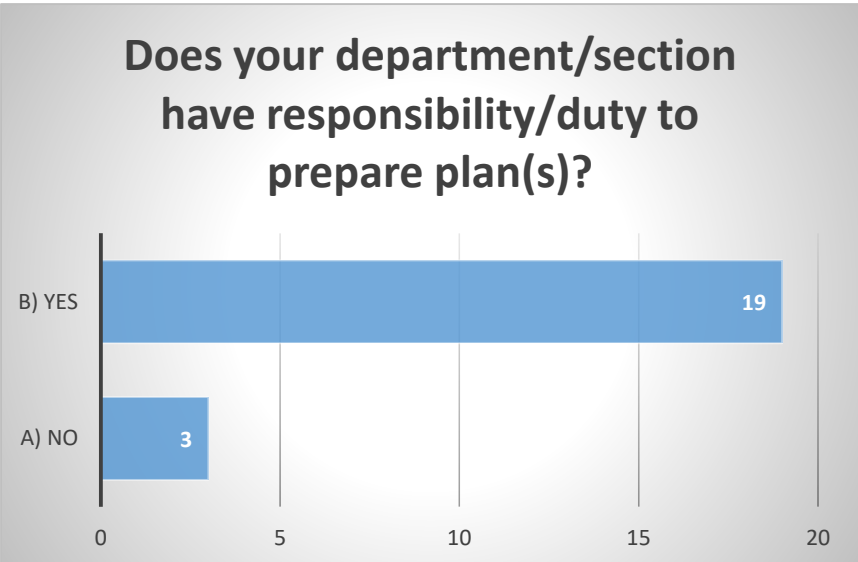
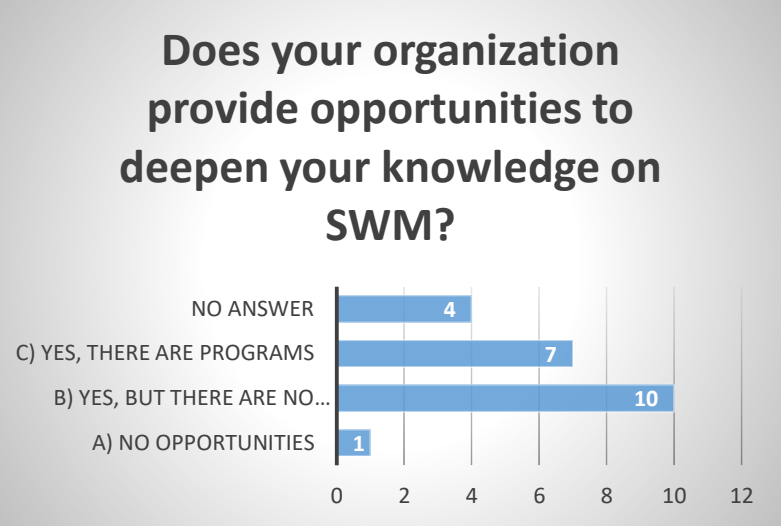
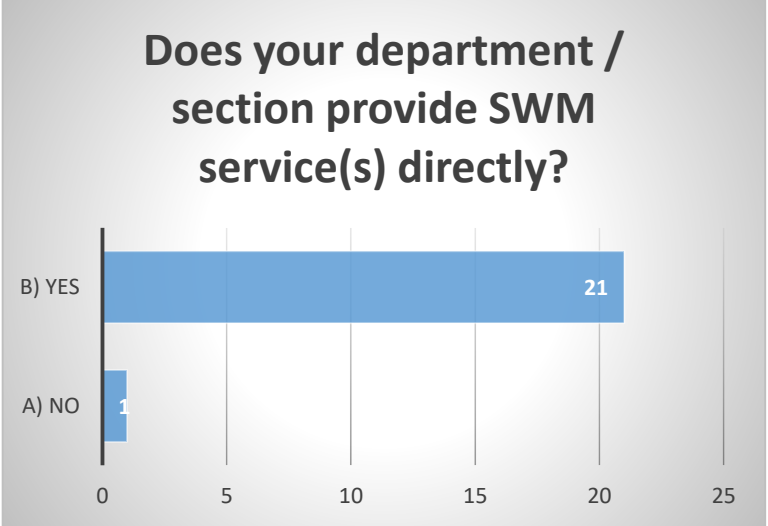
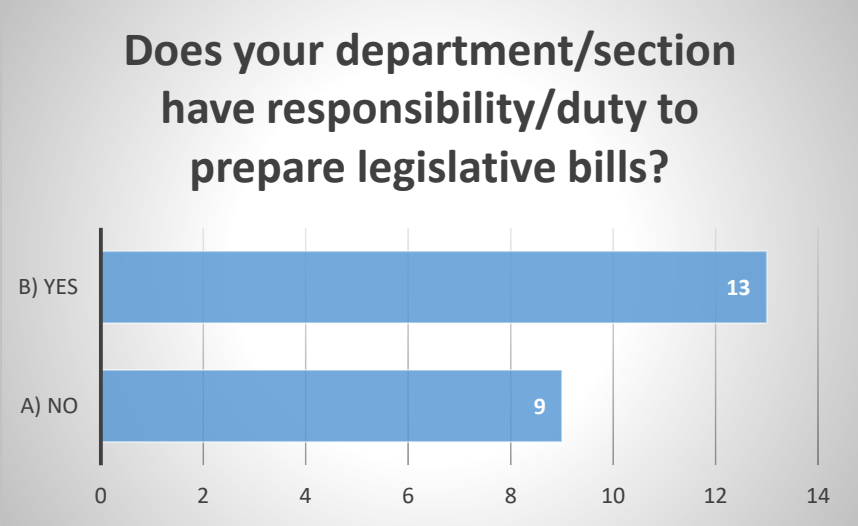
Results: countries (Needs 1/1)



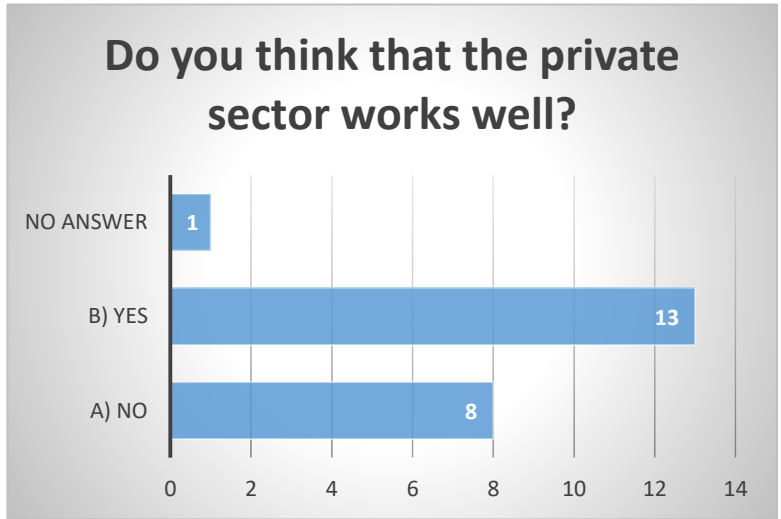
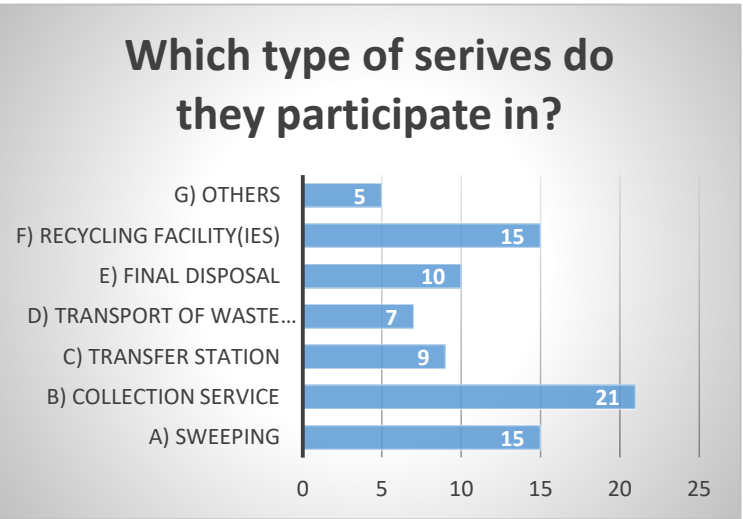
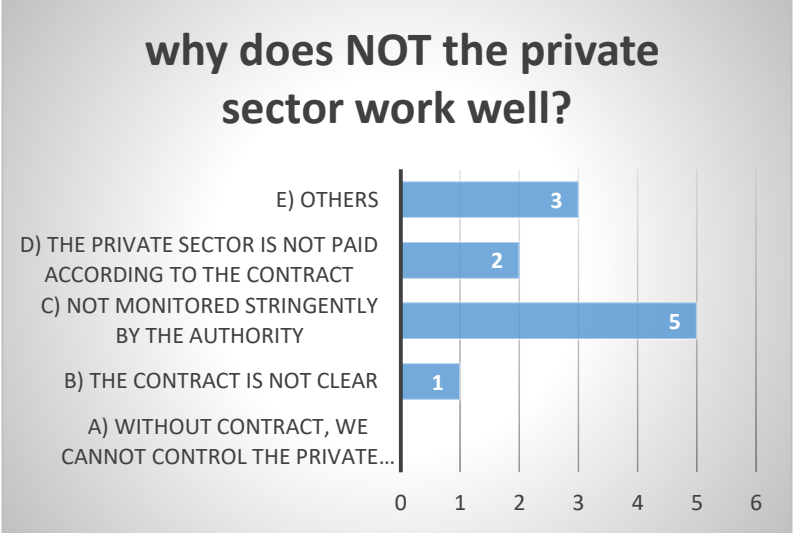
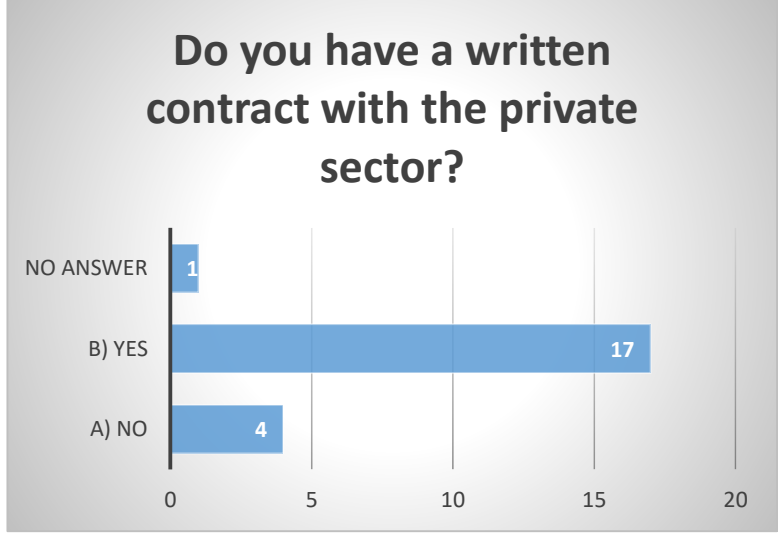
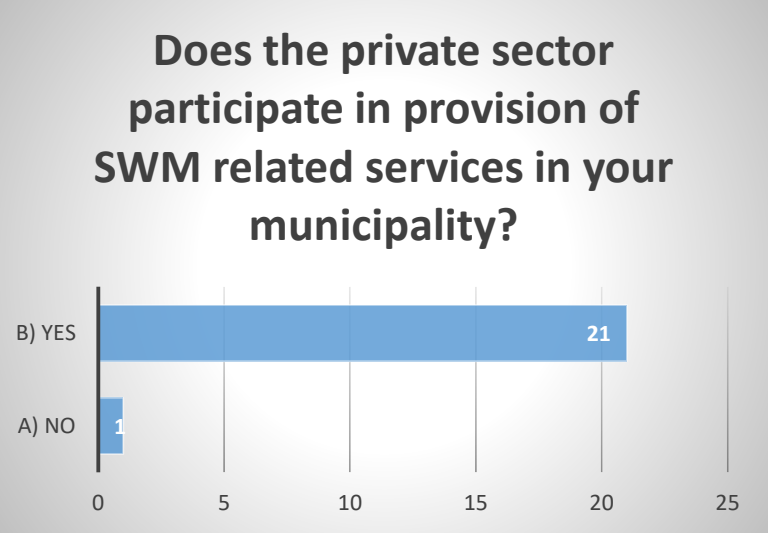
A) Legal issues	Preparation of SWM basic laws, recycling laws
B) Institutional Issues	Institutional reform, unclear responsibilities among stakeholders, capacity development
C) Technical Issues	Capacity development regarding collection, recycling, treatment, disposal, etc.
D) Financial Issues	introduction of fee/tax system, polluter pay principal
E) Social issues	social inclusion of the informal sector, separation manner
F) Others	-

Results: Cities

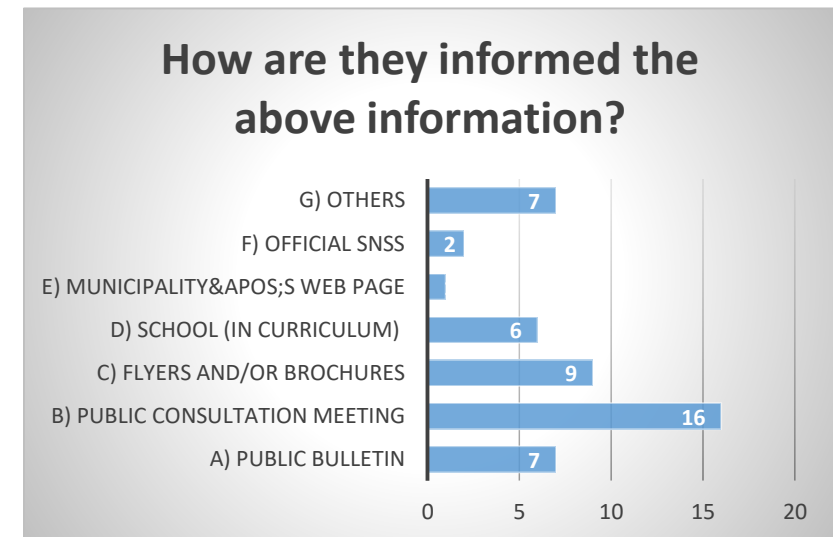
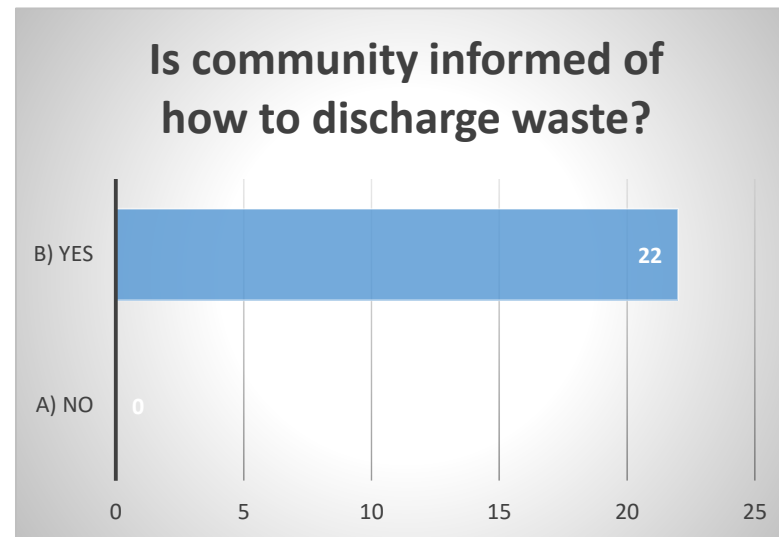
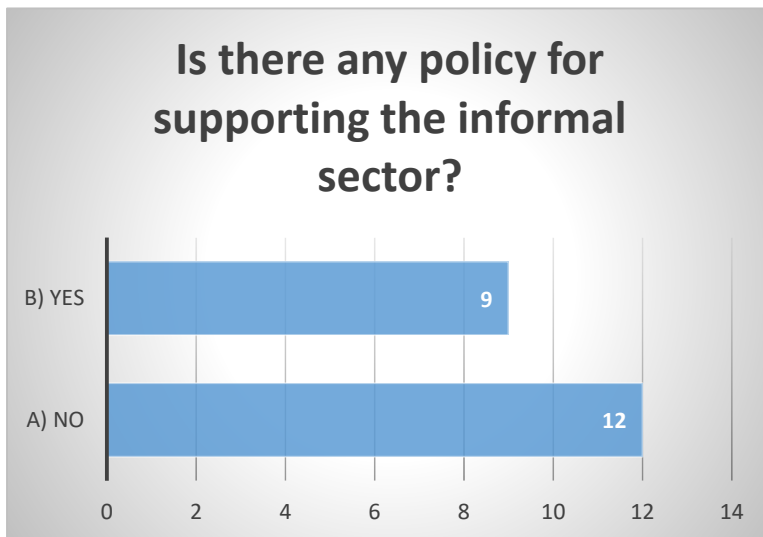
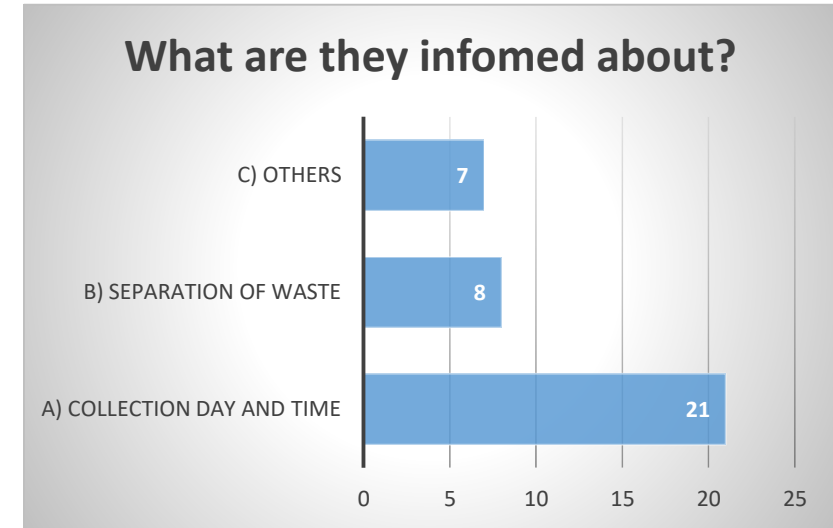
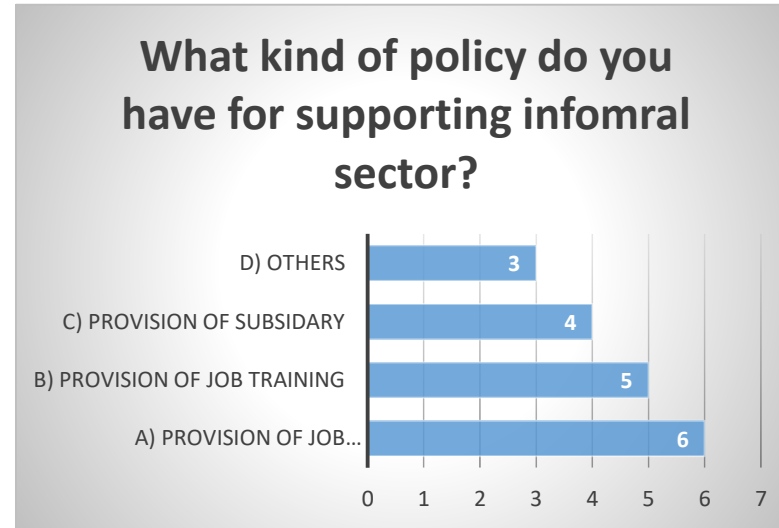
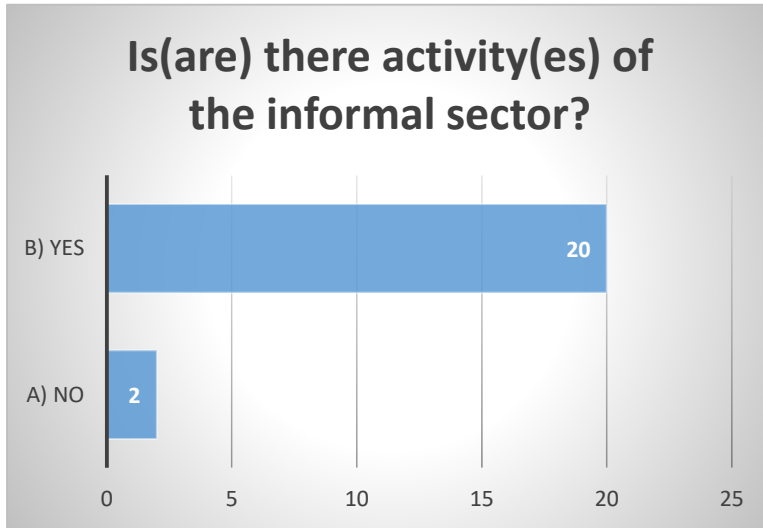
Results: cities (Institutional and Legal 1/1)



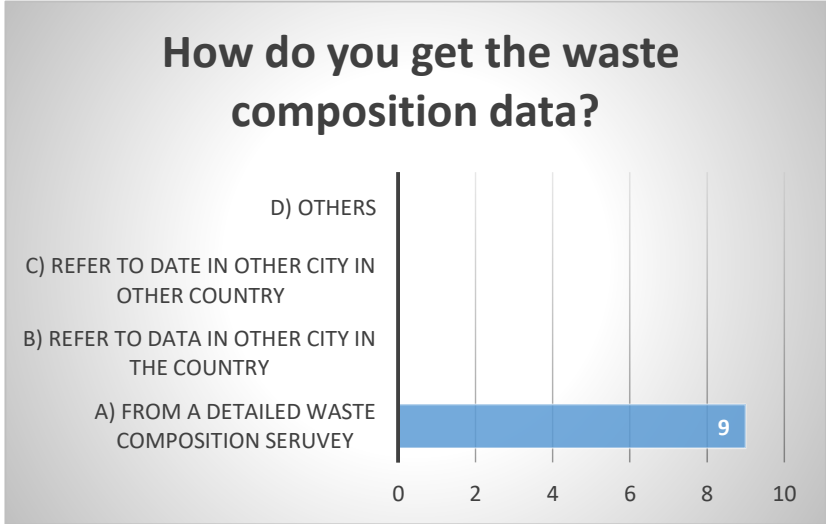
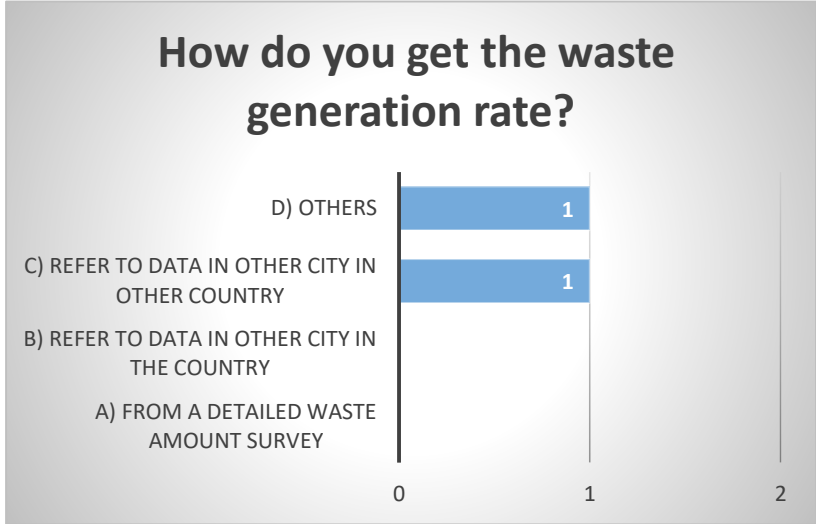
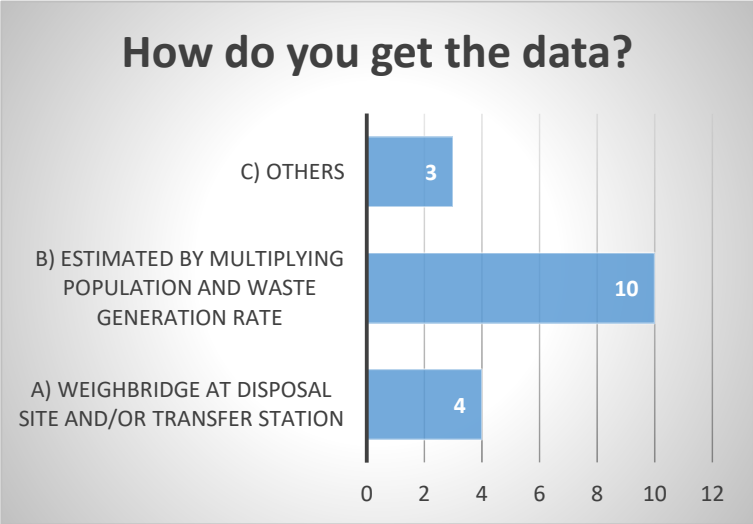
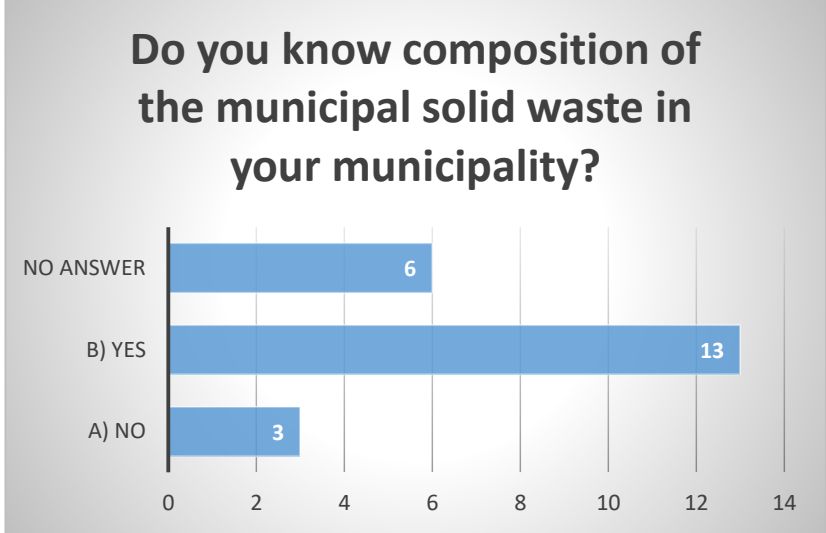
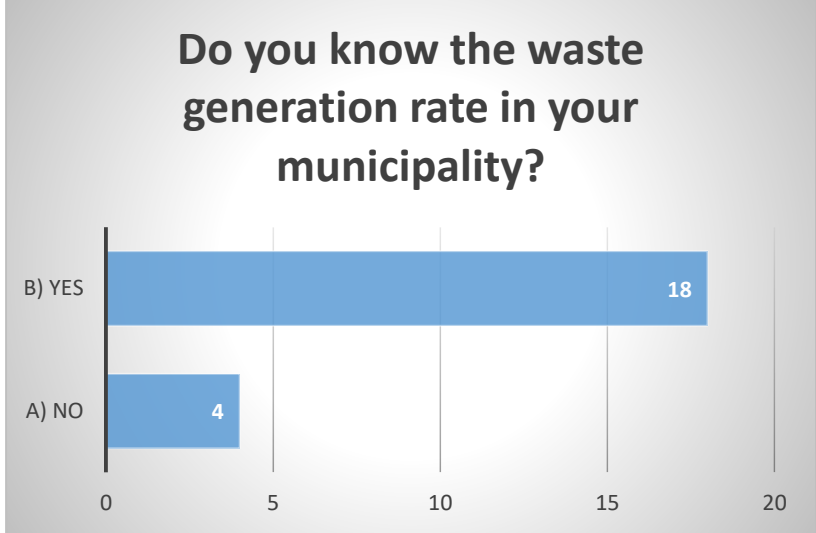
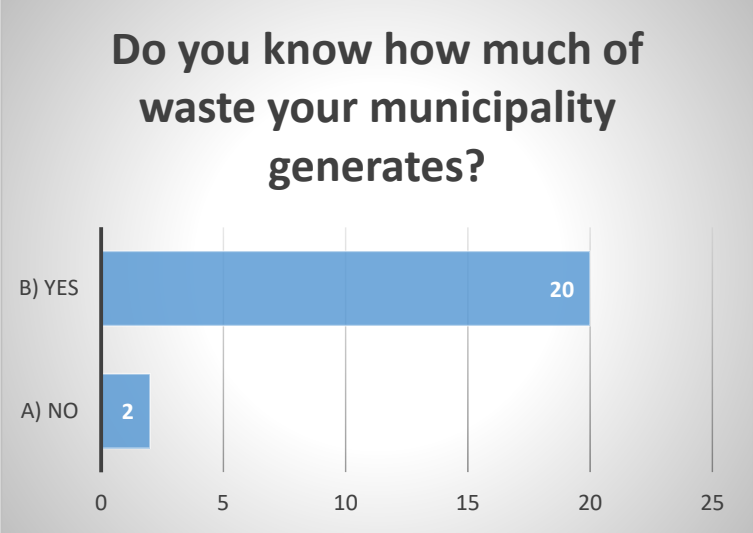
Results: cities (Private sector participation 1/1)



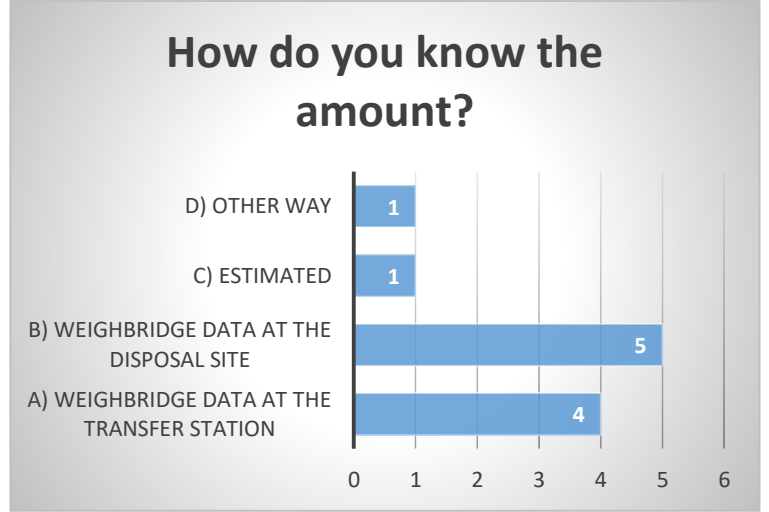
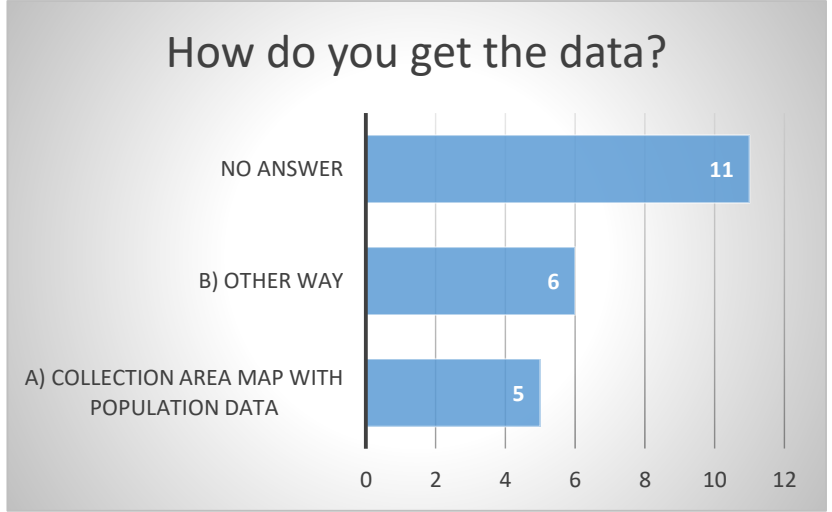
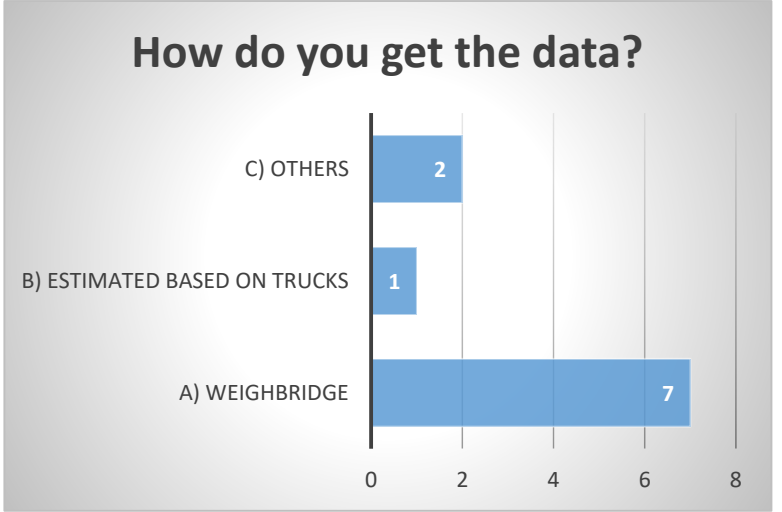
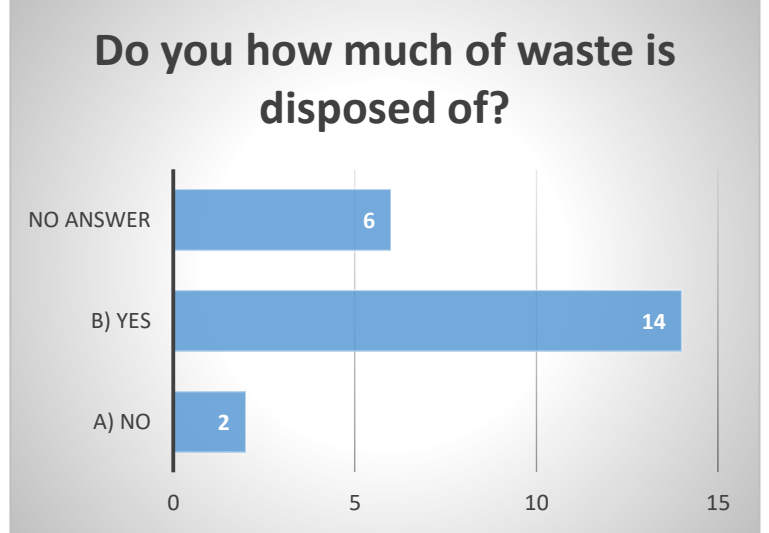
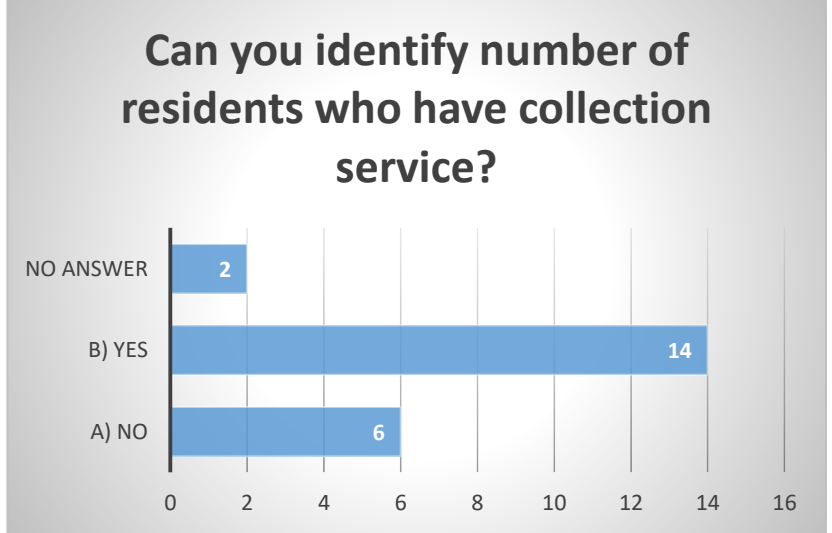
Results: cities (Informal sector& Community 1/1)



Results: cities (Technical 1/3)

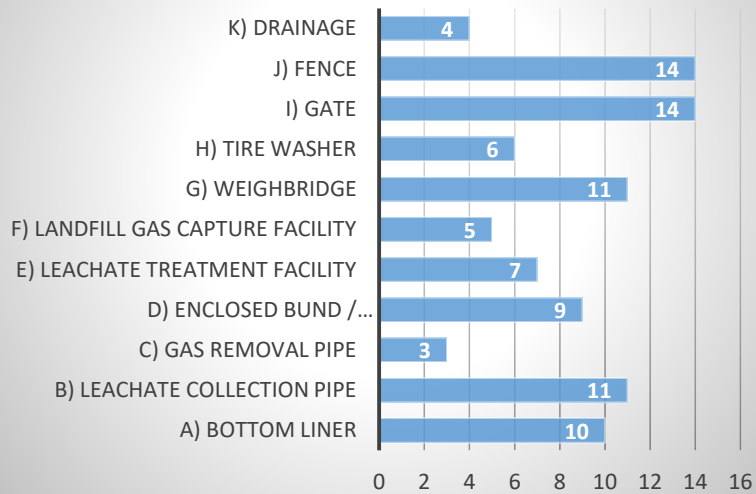


Results: cities (Technical 2/3)

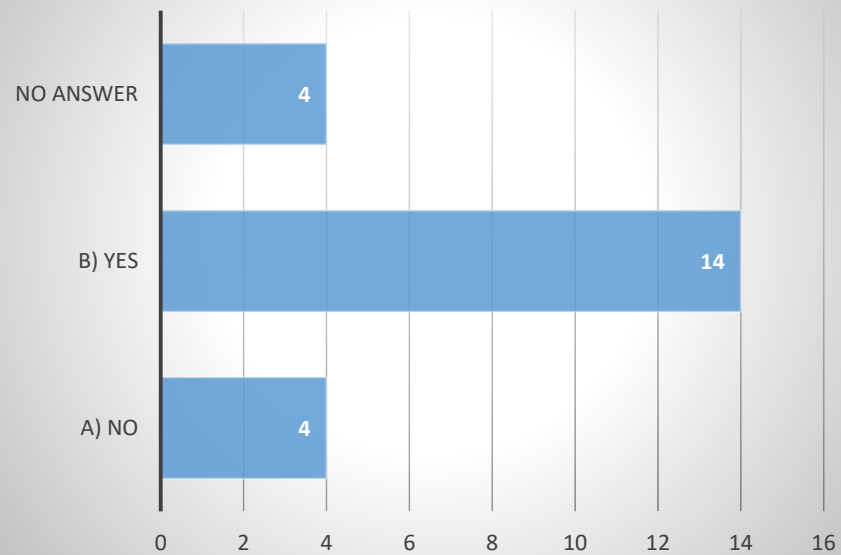


Results: cities (Technical 3/3)

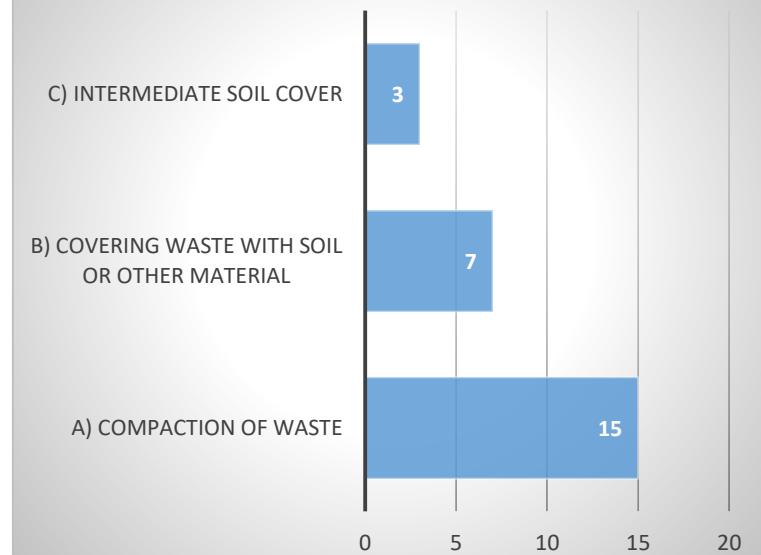
what facility the disposal site have?



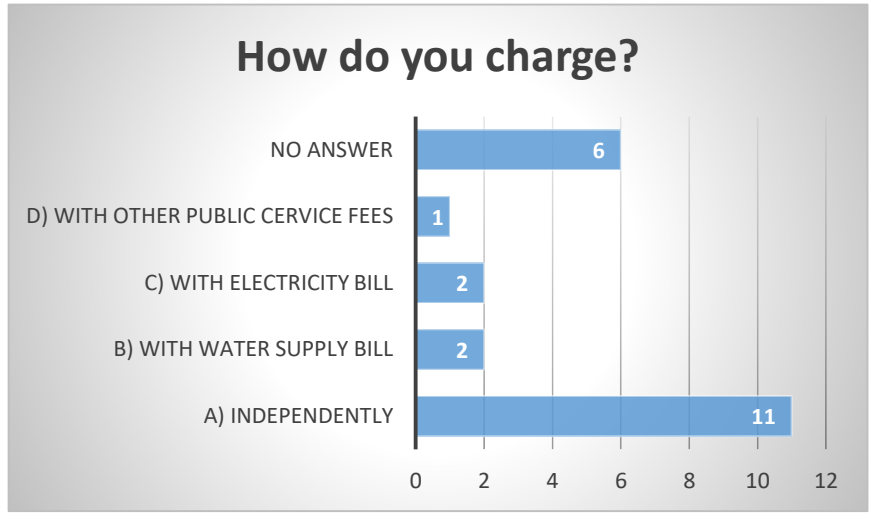
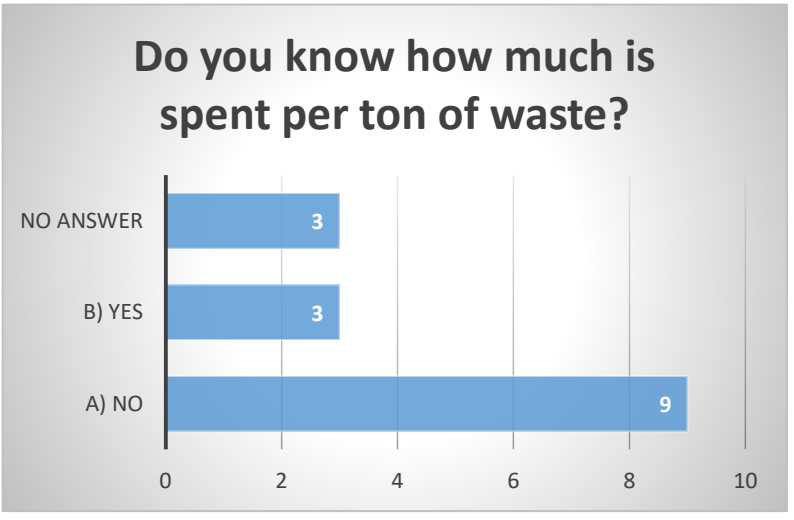
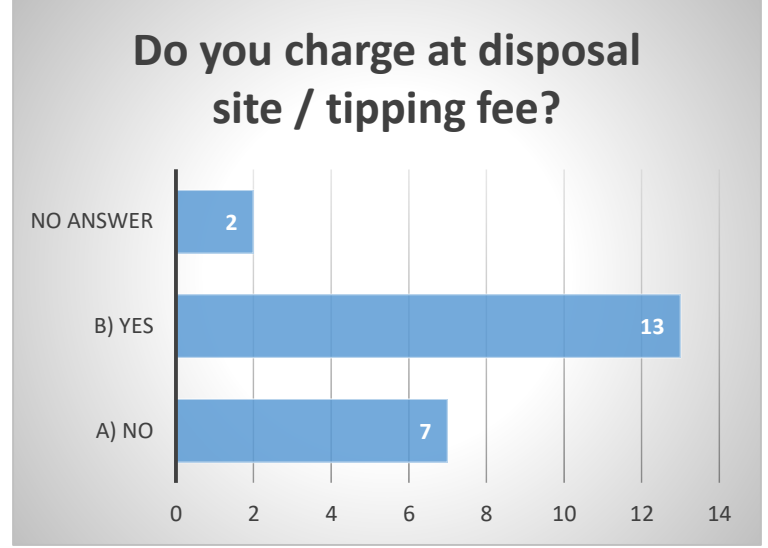
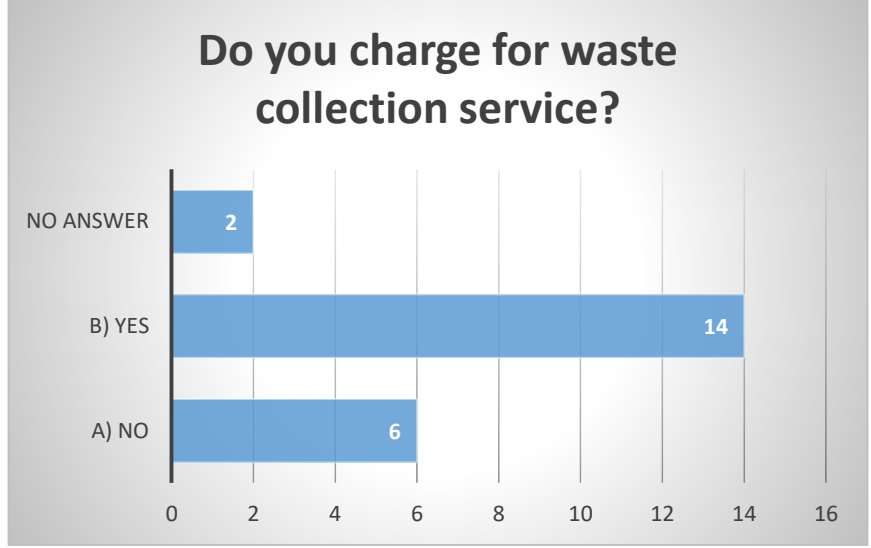
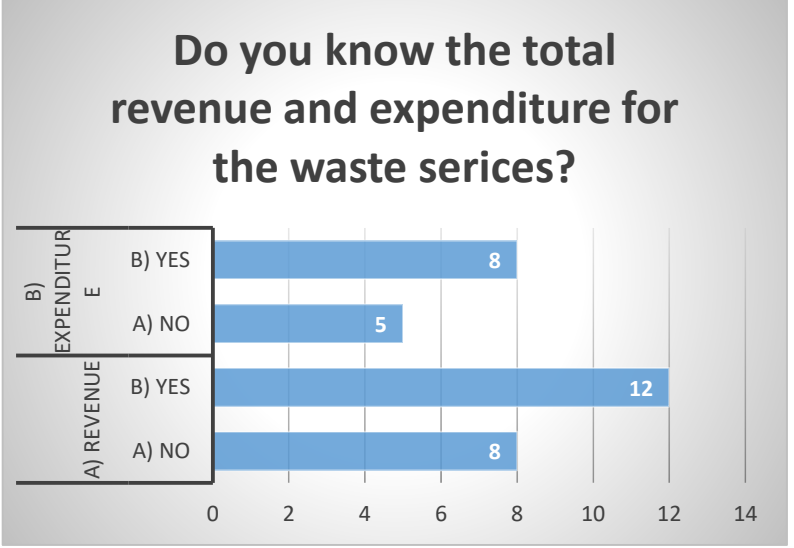
do you have operation plans?



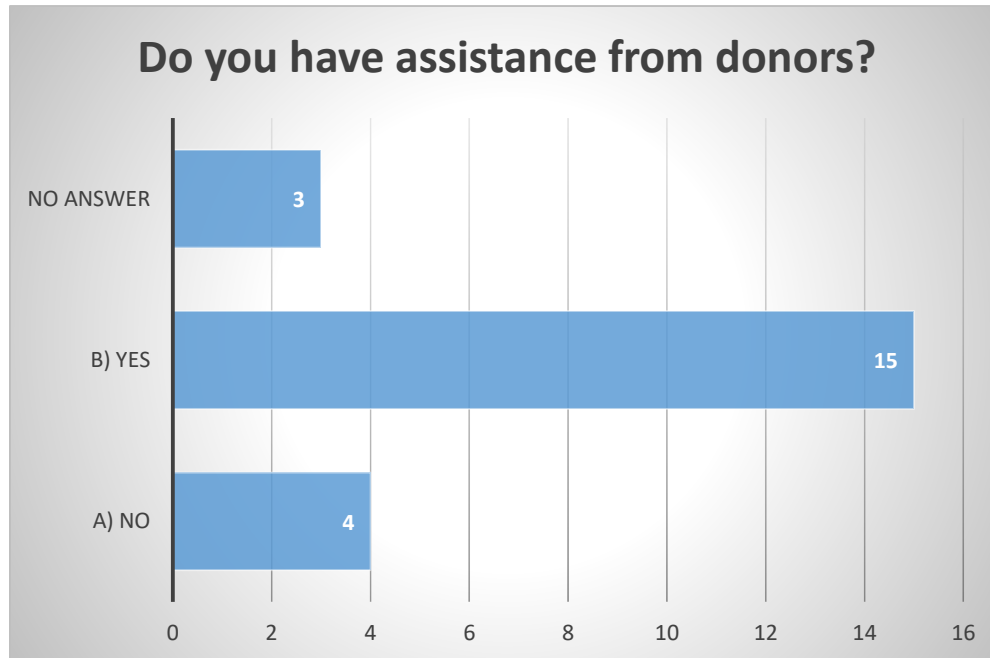
what is your operation?



Results: cities (Finance 1/1)

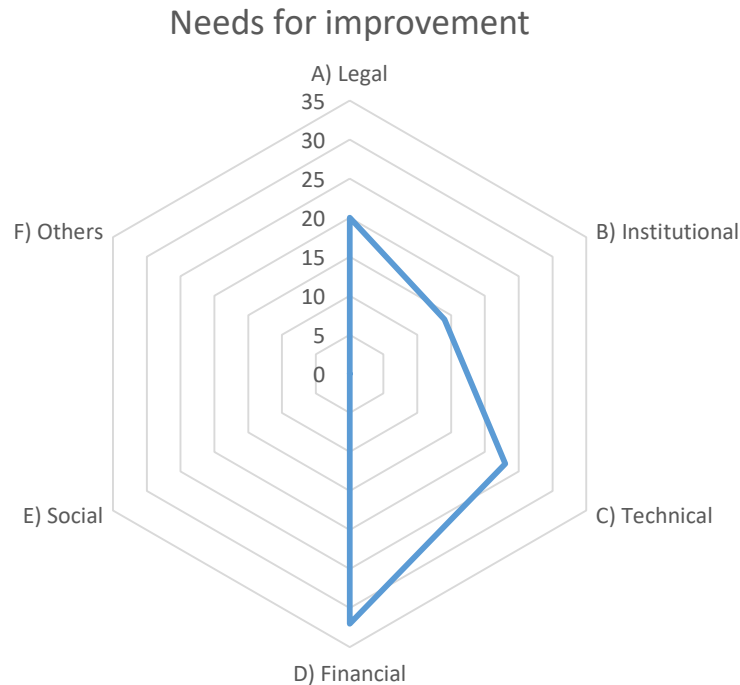


Results: cities (Donor Assistance 1/1)



AFD
AfDB
Danish Government
JICA
World Bank, etc.

Results: cities (Needs)



A,B) Legal & Institutional

effective enforcement of the byelaws, insufficient specific regulatory, texts, preparation of basic laws and regulations on SWM, lack of priority in solid waste management, need for an independent institution

C) Technical

human resources such as experts, training our staff and waste segregation, discharge control, transfer site, machinery (packer and trailer) skill, capacity of micro enterprises in logistics technology of recycling, planning for final disposal sites, waste collection and transportation improvement plan, the best practices on collection and transportation, landfill improvement plan, proper ways of compacting waste using bulldozers and landfill compactor, data collection on vehicles, daily operations, waste sorting, recycling and reuse, establishing transfer station, waste segregation, waste recycling hubs and composting, engineered landfill site(s)

D) Financial

to have a system of collecting fees , to have a system of outsourcing, acquisition of solid waste equipment, availability of funds to operate, lack of financial means

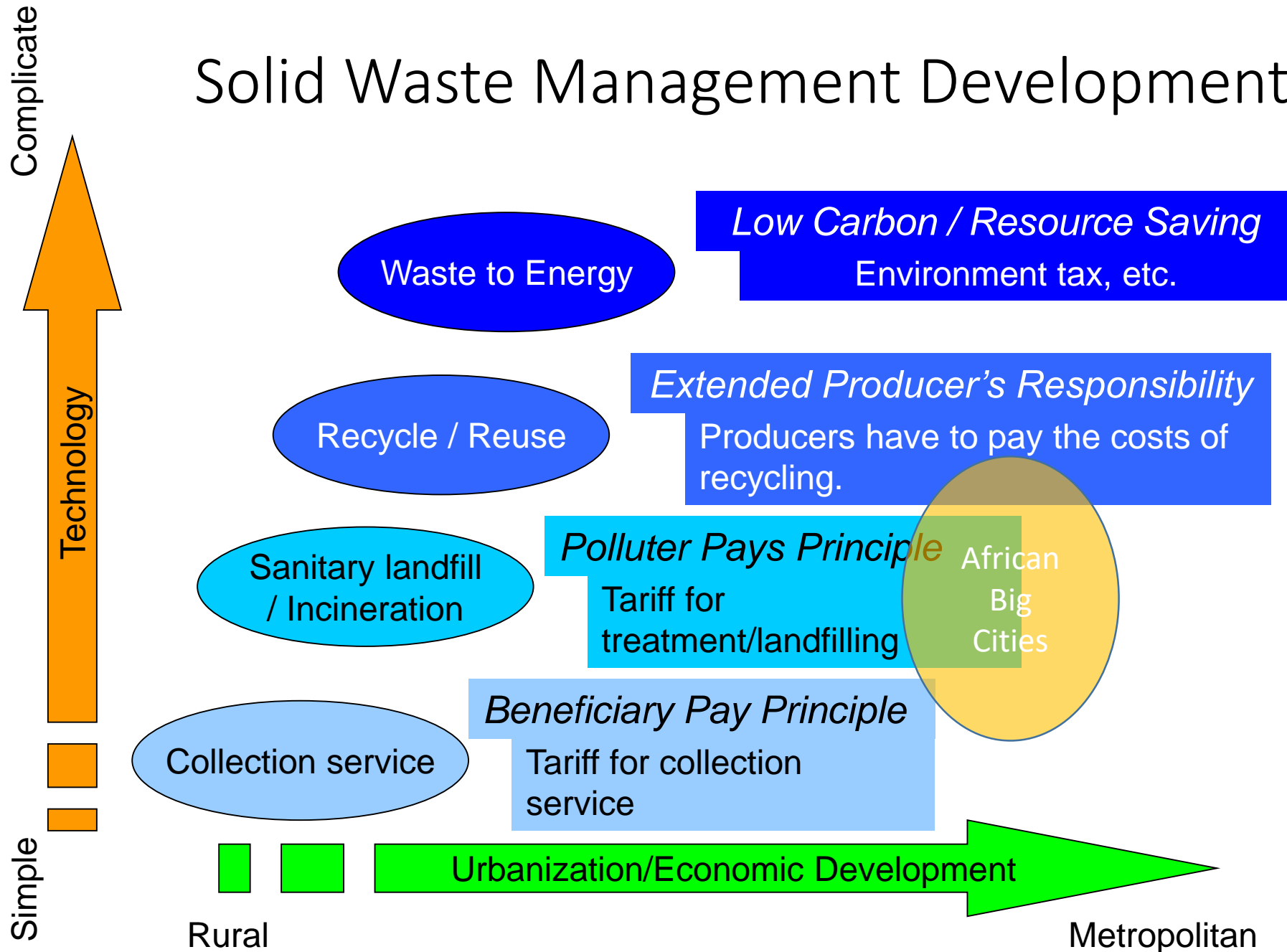
E) Social

robust public awareness system for waste management

Comments on the results

- Legal and institutional systems for SWM seem to be well developed in certain numbers of countries.
- Data collection system at the central government level seems to be still weak in many countries.
- Development of legal documents regarding recycling seems to have begun in small number of countries.
- Waste collection seems to be somehow carried out in many cities. Problems in waste disposal seem to be serious in many cities.
- The private sector participates in SWM services in most of the cities.
- Many cities charge waste collection service fee and waste disposal tipping fee.
- A few cities comprehend costs per ton of waste.

Solid Waste Management Development Stages



Needs for improving the Questionnaire

Comment by a respondent

“We need a more user friendly questionnaire platform.”

Very sorry for having you troubles in answering the questions. We will improve the system. And Thank you for your cooperation.

ACCP Quest. Secretariat

Country	Name of Participant
Comoros	OUSSOUFA MZE
Sudan	Gosai Ahmed Mohammed
Sudan	Malik Bashier Mohamed Elhissin
Zambia	MAXWELL MWEWA NKOYA
Zambia	EDGAR CHILANZI MULWANDA
	Maria Salvadora Lopes Correia Ortet de Vasconcelos Magalhães
Angola	
Botswana	OARABILE SERUMOLA
Botswana	NEO KACHANA
Cameroon	LEMNYUY ALBUN WILLIAM BANYE
Cameroon	MAHOU NGIMBOUS GEORGES
Namibia	Stellio A. Tsauseb
Namibia	Gideon M. Hengari
Benin	GRISONI NIAKI
South Sudan	Joseph Africano Bartel
South Sudan	Diseremo Sebit John Amin
Congo	LEYONO Borel Hermann
Congo	MAPAKOU HYACINTHE
Malawi	EMMANUEL SHADRECK KANJUNJUNJU
Malawi	Patrick Medius Nyirenda
Senegal	EL HDJI SIDY NIANG
Senegal	OUSMANE NDAO
Tanzania	Mukuki Abdallah Hante
Djibouti	Mohamed Nour Mohamoud
Egypt	Adel Gaber Ahmed Shama
Egypt	Nahed Youssef Abdou Elsayed

Country	Name of Participant
Mozambique	Joao Augusto CIPRIANO
Mozambique	Joao Agostinho MUCAVELE
Niger	Boukar Koura Yagana Tinguiri
Niger	Korombeize Mahamadou
Ethiopia	BANTIHUN, KASSAHUN TSEGAYE
Ethiopia	Alemenew Getu Haile
Ghana	KWEKU GHSNAIAN
Ghana	BERTHA POMAA ABOAGYE ESSEL
Kenya	ISSAC MURAYA KIMANI
Kenya	Patrick Wangombe Theuri
Madagaskar	ANDRIANAIVO Jaona
Madagaskar	RAVALOERA Antsatiana
DR Congo	Pascaline MBANGU KIKUMBI
DR Congo	MUKUNU NGEABOG KANDOLO JEAN
Nigeria	OLADIPO JACOB OLAJIDE
Nigeria	ABDULLAHI, ATIKU ABUBAKAR AUDU
South Africa	ANBENDREN SUNDHERASAN PILLAY
South Africa	DONALD SEHASWANA
Zimbabwe	ZENYIKA ISIAH CHAWATAMA
Zimbabwe	Erica Jones
Lesotho	MOTSEKI KHUTO
Burkina Faso	COMPAORE/ KAFANDO FANTA ROKIATOU
Burkina Faso	Saïdou NASSOURI
Guinea	YARADOUNO Paulette
Côte d'Ivoire	Ouattara Lazen Ivoirienne
Côte d'Ivoire	Dogo Bate Zouhouli Claude Gerard

Thank you for your cooperation!