



Results of the questionnaire on "Guidelines to assist Parties in developing effective strategies to reduce and minimize the generation and disposal of hazardous wastes and other wastes"

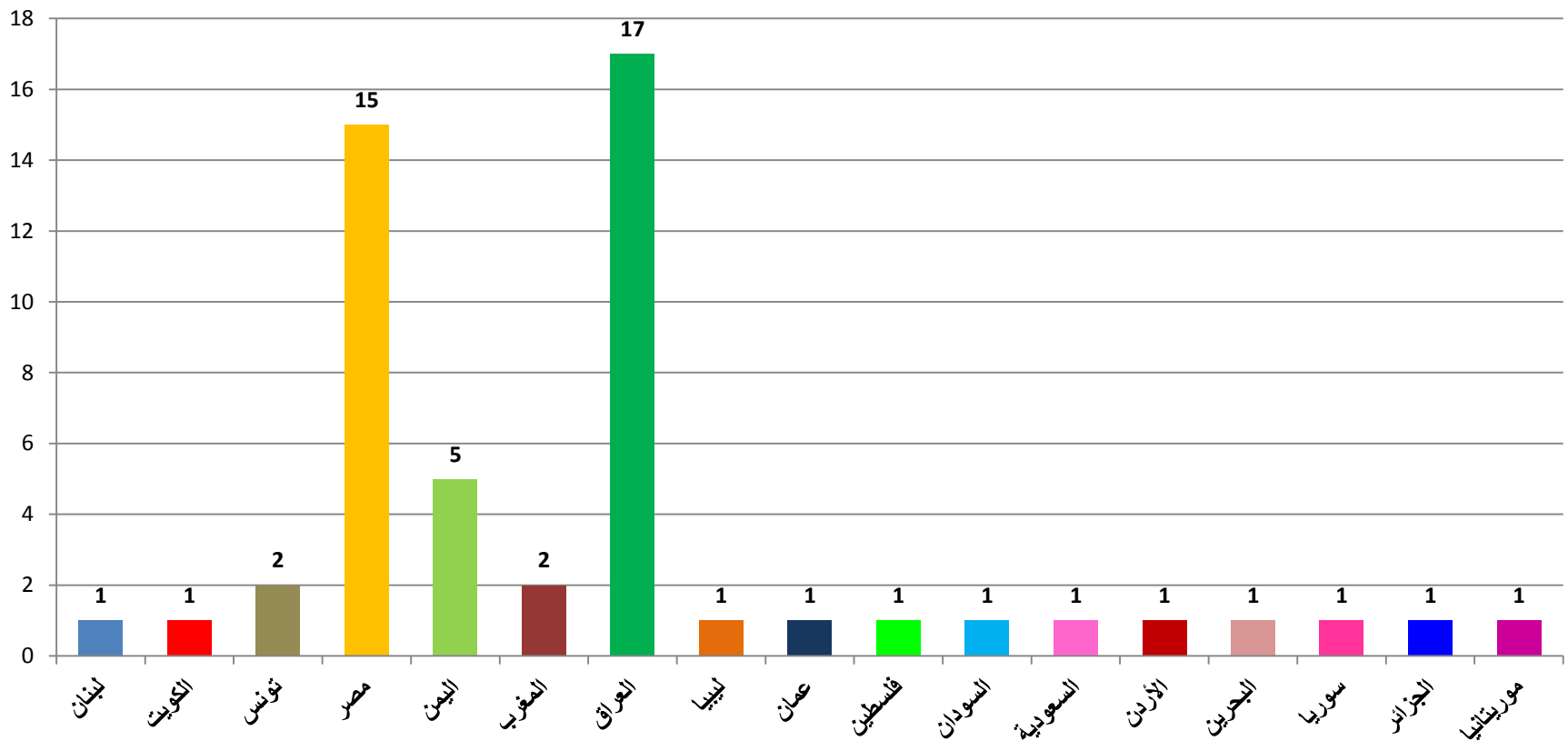
Alexandria, Egypt
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Prepared by: BCRC-Egypt

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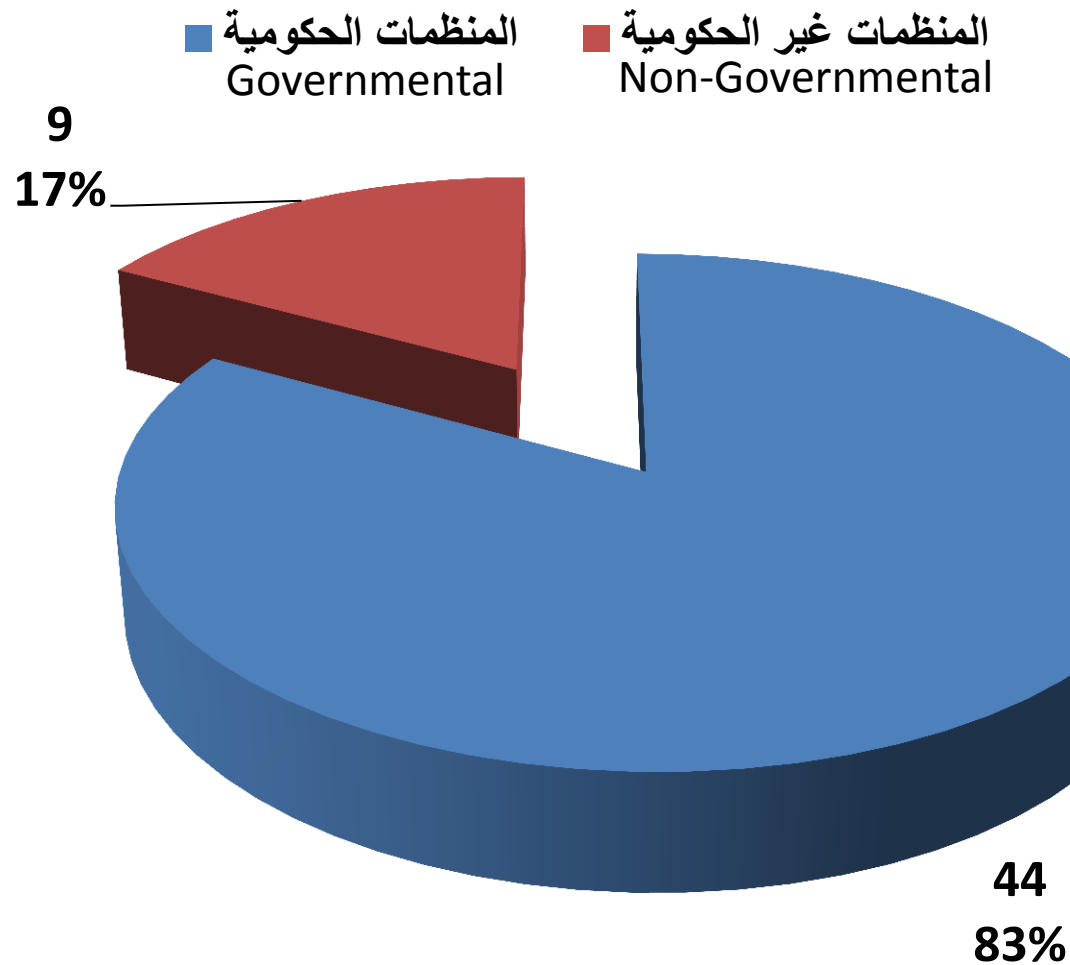
WBSE: SB-005541.24.03.04 POW No: Activity 34 P1 Grant: P1-33BDL-000074

A total of 54 responses to the questionnaire were received from 17 countries

Percentage and number of responses to the questionnaire from Arab countries



Percentage of government and non-governmental participation



Question No. 1

Have you have ever heard about/used the document "Guidance to assist Parties in developing efficient strategies for achieving the prevention and minimization of the generation of hazardous and other wastes and their disposal"

A

We have heard about/ used the document to improve national strategies on minimization of hazardous waste

6

Countries

Algeria, Tunis, Morocco, Jordan, Egypt, Iraq

B

We have heard about the document but never used it to improve national strategies on minimization of hazardous waste

10

Countries

Libya, Kuwait, Bahrain, Oman, Palestine, Sudan, Saudi, Lebanon, Yemen, Mauritania

C

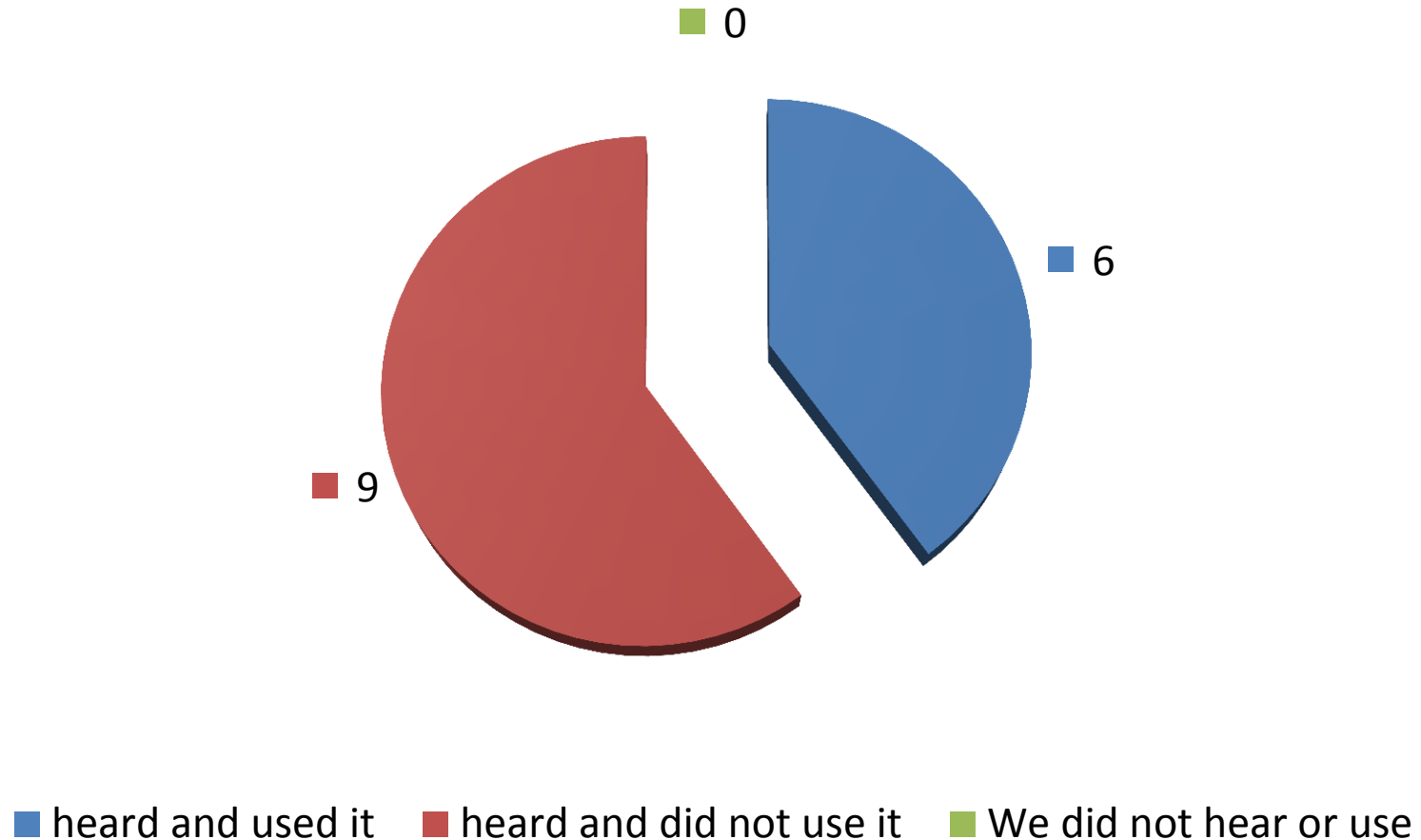
We have never heard about/ used the document

6

Countries

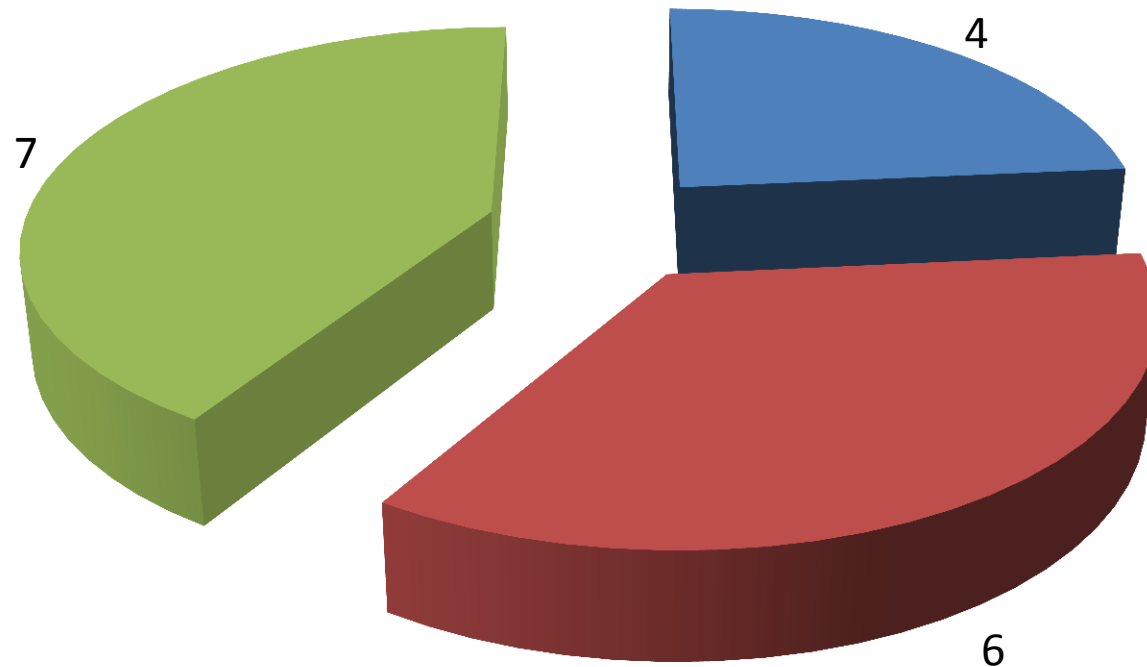
Some gov. agencies in Egypt and Iraq (Differences of opinion)

Responses received from 15 governmental agencies in **Egypt** concerning the knowledge and use of the document



Responses received from **Iraq** concerning the knowledge and use of the document

■ heard and used it ■ heard and did not use it ■ did not hear or use



Question No. 2

If you have read the guidance, please provide any comments on the usefulness/importance of the guidance document at national level:

No.	Country	Answer
1.	Libya	The document is theoretically useful and needs practical application on the ground
2.	Mauritania	This document can help correct concepts related to national strategies
3.	Iraq	Improve the management of hazardous waste inside Iraq and support its disposal, Protect the environment from hazardous pollutants
4.	Sudan	The document is important and helps to develop the country strategy
5.	Morocco	To assist Parties in developing a strategy to reduce the generation of hazardous wastes and other wastes and enable Parties to have a clear vision for the long-term implementation of the Strategy
6.	Sudan	The document is important and helps to develop the country strategy
7.	Oman	The document could assist Parties in the process of formulating a national strategy
8.	Palestine	<ul style="list-style-type: none">- Constitute a framework for the development of national strategies in the field- Involving a set of indicators and monitoring and evaluation tools

No	Country	Answer
9.	Jordan	<ul style="list-style-type: none"> - The best ways to reduce the volume of hazardous waste generated in different industries - At the level of legislation: assistance in the development of national policies to reduce production as well as the development and promotion of recycling and recovery methods - Encourage extended product responsibility
10.	Saudi	Assisting countries in developing strategies to reduce waste generation
11.	Lebanon	<ul style="list-style-type: none"> - Provide guidance on how to effectively implement the mitigation of hazardous and non-hazardous waste production - Contributes to the preparation of national strategies for the integrated management of solid and liquid wastes
12.	Iraq	Improve the management of hazardous waste inside Iraq and support its disposal, Protect the environment from hazardous pollutants
13.	Yemen	<ul style="list-style-type: none"> - Assist in the development of effective strategies to achieve prevention and minimization of the generation of hazardous wastes and other wastes through broad and effective participation of all relevant stakeholders. - Increase the effectiveness of the management of hazardous wastes and other wastes (waste) by preventing the generation and minimization of hazardous wastes and other wastes at the source.
12.	Tunis	Useful

No	Country	Answer
13.	Egypt	<ul style="list-style-type: none"> - very important , it helps in the preparation of a national effective strategy. - It helps to prepare a plan of action as a comprehensive and clear framework to prevent and reduce the generation of hazardous and non-hazardous waste. - It helps protect human health and the environment
14.	Bahrain	Reducing the generation of HW, Establish HW treatment facilities rather than disposal in landfills
15.	Algeria	A number of strategies are covered to prevent and minimize the generation of hazardous wastes and other waste, including the separation of waste generation from economic growth, improving the efficiency of materials and resources, creating new business models to create incentives for recovery processes and promoting behavioral change among consumers and the use of new technologies

Question No. 3

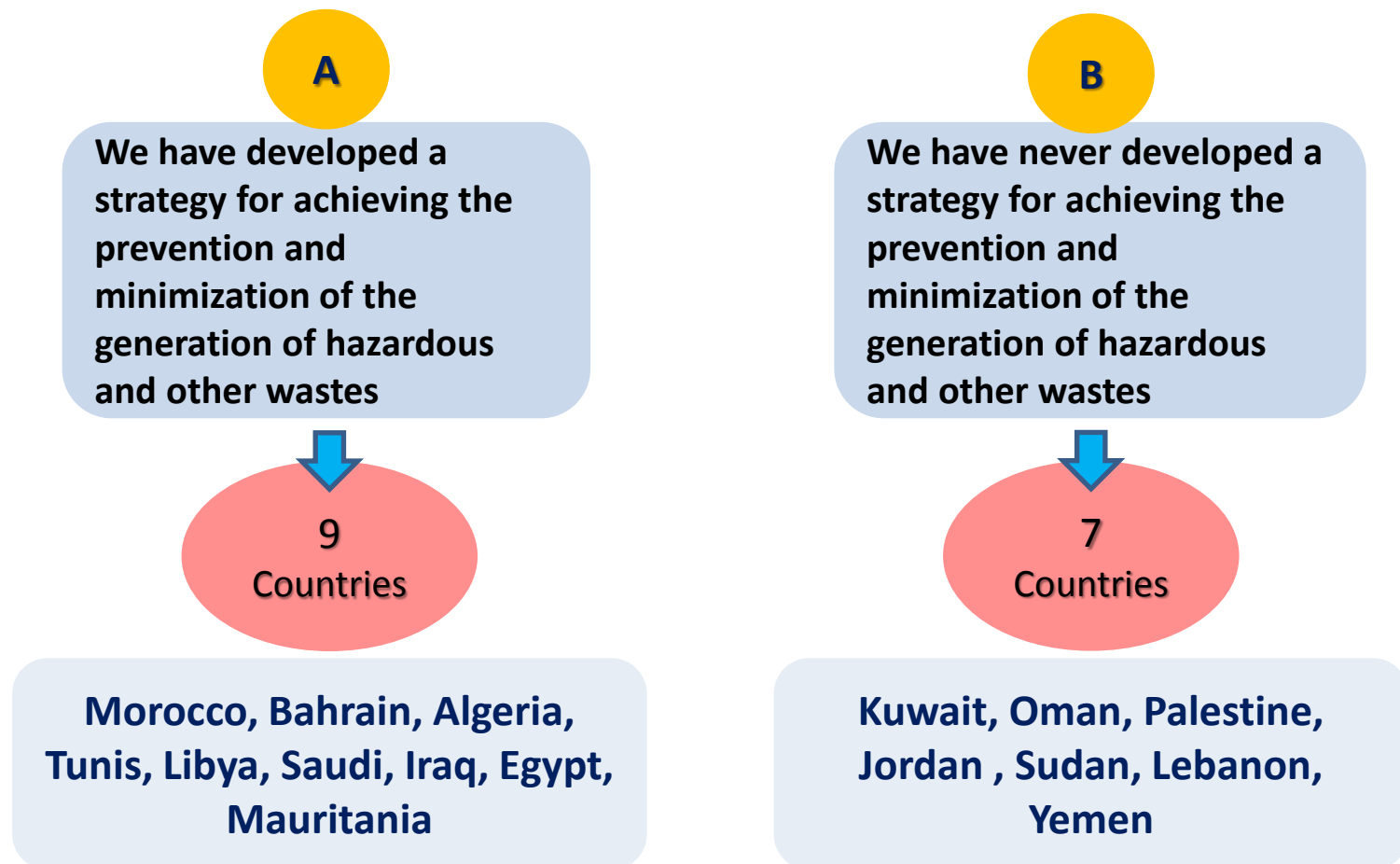
Please specify which of the following activities are used in your country to achieve the prevention, minimization and reuse of hazardous wastes and other wastes :

- Source reduction, direct reuse, reuse and recycling
- Cleaner Production
- sustainable consumption and production
- Best Available Techniques (BATs) and Best Environmental Practices (BEPs)
- Eco-labeling

Country	Source reduction, direct reuse, reuse and recycling	Cleaner Production	sustainable consumption & production	BATs and BEPs	Eco-labeling
Morocco	X			X	
Bahrain	X		X	X	
Algeria	X	X	X		X
Libya	X				
Kuwait	X	X			
Palestine	X		X		
Jordan	X	X			
Sudan	-----	-----	-----	-----	-----
Saudi	X				
Lebanon	X	X		X	
Tunis	X	X	X		X
Oman		X	X		X
Yemen	X				
Iraq	Different Answers in the 17 questionnaire				
Egypt	Different in the 15 questionnaire				
Mauritania	X	X		X	

Question No. 4

Please indicate if your country developed a strategy for achieving the prevention and minimization of the generation of hazardous and other wastes:



Question No. 5

In case your country has developed a strategy for achieving the prevention and minimization of the generation of hazardous and other wastes, please elaborate on the following approaches:

The vision on the scope and timeframe of the strategy;

Developing a strategy to achieve sound waste management - Gradual implementation of the rotational economy by recycling waste - Integrating all active partners and activating communication through cooperation initiatives and protocols - Taking into account the pressing issues and determining the cost of waste reduction. - Spreading and using the principles of sustainable development, cleaner production and conservation of resources. (Sorting, collection, transfer, reuse, valuation) and identifying the technical, legal, institutional and financial mechanisms needed to launch these systems.

The specific objectives which drive the waste prevention and minimization strategy;

Reducing the negative impacts on the pollution environment - Reducing and minimizing the generation of waste by establishing the necessary procedures and incentives for the application of clean technology - Supporting and rehabilitating the recycling and recycling facilities for all types of waste - Providing the necessary infrastructure for the final disposal of waste generated in an environmentally safe manner. Extended Product - Reducing the burden on natural resources - Achieving the principle of rotary economy

Priority areas which the waste prevention and minimization strategy focus on;

Solid Waste Sector, Oil and Electricity Sector, Agriculture Sector and Health Sector - Industrial Hazardous Waste Management - Management of Waste containing Mercury and its compounds - Plastic Waste Management - Electronic Waste Management - Medical Waste Management - Agricultural Waste Management - Waste Management

Selecting and combining measures that bring low environmental impacts and efficient material systems

The role of the media in the development of environmental awareness of hazardous waste - Safe recycling of waste - Green project financing - Control of industrial pollution - Encouraging stakeholders and interested in effective participation - Development of a national coordination mechanism for the application of the common waste classification system

Question No. 6

For the developed waste prevention and minimization strategy in your country, please indicate which type of strategies are used for the involvement of public authorities:

- a. Information exchange Strategies
- b. Promotional Strategies
- c. Technology Strategies

Country	Information exchange Strategies	Promotional Strategies	Technology Strategies
Morocco		X	
Bahrain	X		X
Algeria	X	X	X
Libya	X		
Kuwait	There are no strategies available		
Palestine	There are no strategies available		
Jordan	There are no strategies available		
Sudan	There are no strategies available		
Saudi	X		
Lebanon	There are no strategies available		
Tunis	X		X
Oman	There are no strategies available		
Yemen	There are no strategies available		
Iraq	There are many differences between government al Organization		
Egypt	There are many differences between government al Organization		
Mauritania	X	X	

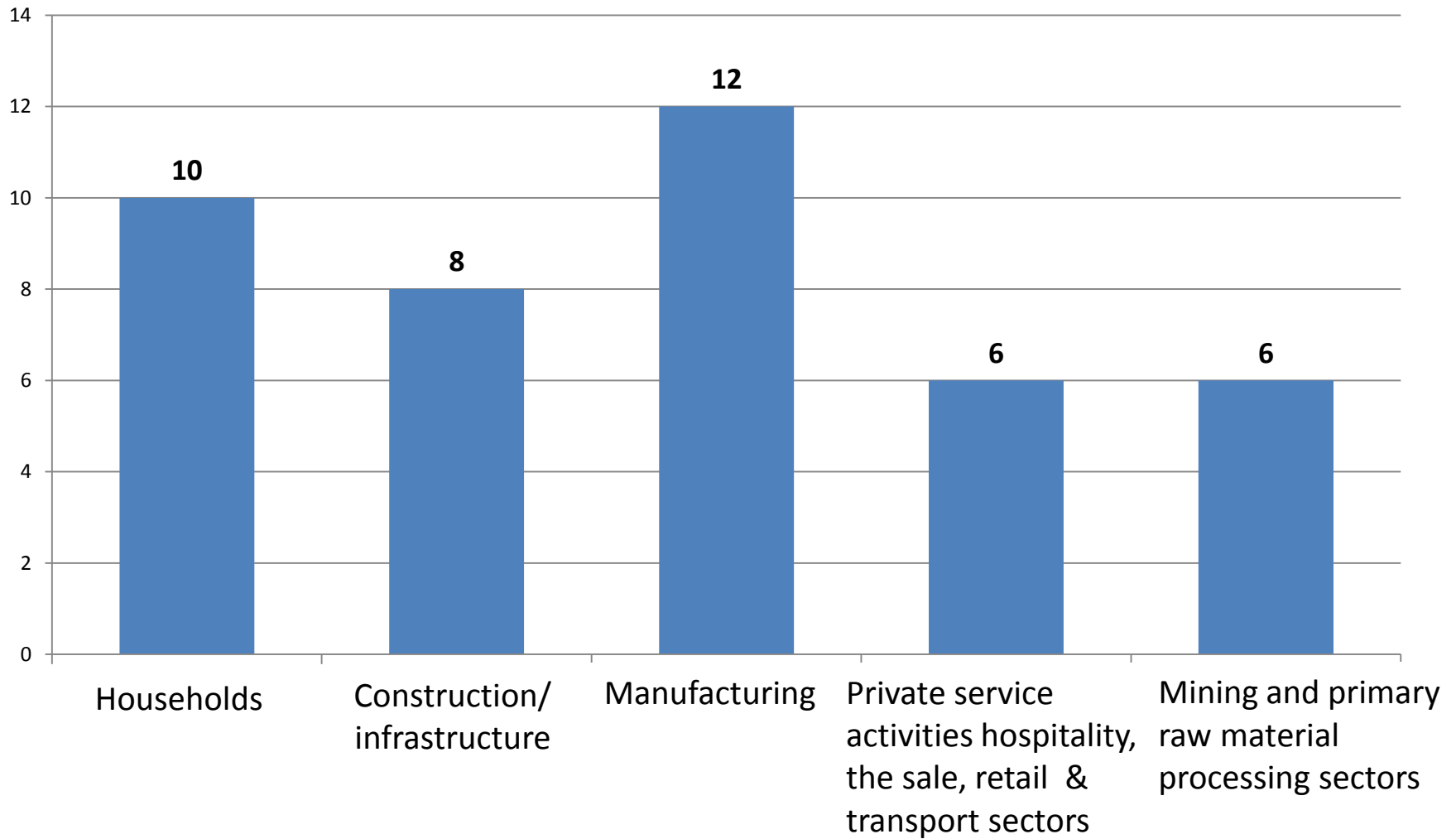
Question No. 7

Please indicate if any of the following sectors which are linked with the generation of hazardous and other waste applies any specific strategy in your country:

:

- a. Households,
- b. Construction/infrastructure,
- c. Manufacturing,
- d. Private service activities/hospitality, the sale, retail and transport sectors, and,
- e. Mining and primary raw material processing sectors.

	Households	Construction/ infrastructure	Manufacturing	Private service	Mining
Morocco	X		X		X
Bahrain	X		X		X
Algeria	X		X		X
Libya	X	X	X	X	
Kuwait					
Palestine	X	X	X	X	
Jordan		There are no strategies available			
Sudan		There are no strategies available			
Saudi		X	X		X
Lebanon					
Tunis					
Oman		There are no strategies available			
Yemen	X	X	X	X	X
Iraq	There are many differences between government al Organization				
Egypt	There are many differences between government al Organization				
Mauritania	X		X	X	X



Note: The figures indicate the percentage of choices for the sector from the responses received

Question No. 8

In your opinion, which of the following stakeholders should be addressed/involved in the implementation of the waste prevention and minimization approaches:

- a. Government
- b. Waste generation by enterprises and private persons
- c. Household

Country	Government	Waste generation	Household
Morocco	X	X	
Bahrain	X	X	
Algeria	X	X	X
Libya	X	X	
Kuwait	X	X	
Palestine	X	X	X
Jordan	No Reply /No Answer		
Sudan	X	X	X
Saudi	X	X	X
Lebanon	X	X	X
Tunis	X	X	X
Oman	X	X	X
Yemen	X	X	X
Iraq	There are many differences between government al Organization		
Egypt	There are many differences between government al Organization		
Mauritania	X	X	X

Question No. 9

At government level, which of the following measures should be incorporated into legislative and regulatory frameworks, infrastructure and institutions to promote waste prevention and minimization consistently within the respective domestic settings:

- a. Establishment of integrated policies on waste prevention and minimization, including regulations and policies on eco-design, EPR and green purchasing strategies;
- b. Development of a comprehensive waste prevention and minimization strategy;
- c. Organization of public and corporate education and awareness-raising campaigns on waste prevention and minimization;
- d. Development of guidance tools for installations concerned, in line with the best available techniques (BAT) and best environmental practice (BEP), on waste prevention and minimization;
- e. Development and implementation of economic instruments such as price incentives to promote and stimulate sorting at source, tax incentives for facilities, clean consumption incentives, recognitions or awards; and,
- f. Cooperation with relevant industry, associations, research institutes and other stakeholders, to establish public-private partnerships on waste prevention and minimization.

	a	b	c	d	e	f
Morocco	X	X		X		
Bahrain	X	X	X	X	X	X
Algeria	X	X	X	X	X	X
Libya	X	X	X	X	X	
Kuwait	X	X	X		X	X
Palestine	X	X	X	X	X	X
Jordan	X	X	X	X		X
Sudan		X		X		X
Saudi		X		X		X
Lebanon		X		X		X
Tunis		X		X		X
Oman		X		X		X
Yemen		X		X		X
Iraq	There are many differences between government al Organization					
Egypt	There are many differences between government al Organization					
Mauritania	X	X	X	X	X	X

Question No. 10

At business level, which of the following opportunities/options should be taken by designers and manufacturers to prevent and minimize waste during the conception and production phases of the life-cycle of products:

- a. Ecological or cleaner design and production by implementing industrial conversion processes where feasible;
- b. Research and design prior to production and innovation in production and delivery of services, especially impact assessment throughout the life-cycle, and integrated design for reuse, repair, disassembling (when appropriate), recovery and recycling;
- c. Extending existing environmental management systems to include waste prevention and minimization policies, methods and reporting;
- d. Changing procurement and consumption patterns to purchase greener, less wasteful or less toxic products;
- e. Promotion and facilitation of reuse and preparation for reuse, e.g. through repair, and development of quality standards and manuals for reuse and preparation for reuse;
- f. Providing accessible information, education and training on waste prevention and minimization methods and techniques; and,
- g. Agreements or partnerships between industry and government on waste prevention and minimization.

	a	b	c	d	e	f	g
Morocco		X			X		X
Bahrain	X			X	X		X
Algeria	X		X	X	X	X	X
Libya			X	X	X	X	X
Kuwait	X	X	X	X	X	X	X
Palestine	X	X		X	X	X	X
Jordan	X	X		X	X		X
Sudan	X	X	X	X	X	X	X
Saudi	X	X	X	X	X	X	X
Lebanon	X	X	X	X	X	X	X
Tunis	X	X	X	X	X	X	X
Oman	X	X	X	X	X	X	X
Yemen	X	X	X	X	X	X	X
Iraq	There are many differences between government al Organization						
Egypt	There are many differences between government al Organization						
Mauritania	X	X	X	X		X	X

Question No. 11

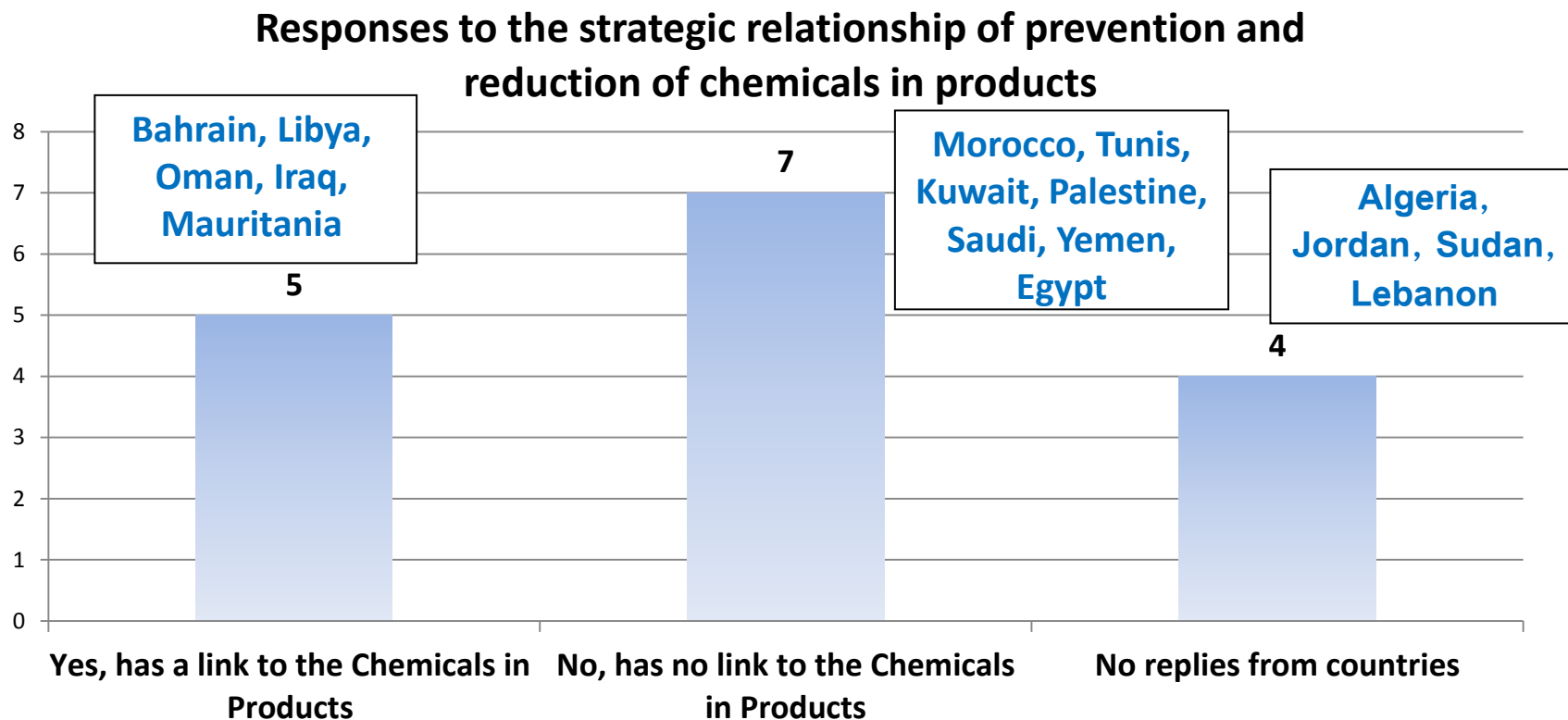
Please indicate which of the following initiatives and activities should be developed or expanded to promote reuse and preparation of household waste during the consumption phase of the life-cycle of products:

- a. Raising awareness of waste prevention and minimization in households through dissemination of information and communication campaigns; and,
- b. Taking action to prevent and minimize wastes, e.g. by implementing related policies and requirements, such as pay-as-you-throw (PAYT) schemes and eco-design requirements, changing behaviors in reduction of household wastes and participation in relevant programmes.

	Raising awareness of waste prevention and minimization in households	Taking action to prevent and minimize wastes
Morocco	X	X
Bahrain	X	X
Algeria	X	X
Libya		X
Kuwait	X	X
Palestine	X	X
Jordan		X
Sudan		X
Saudi	X	
Lebanon	X	X
Tunis	X	X
Oman	X	
Yemen	X	X
Iraq	There are many differences between government al Organization	
Egypt	There are many differences between government al Organization	
Mauritania	X	X

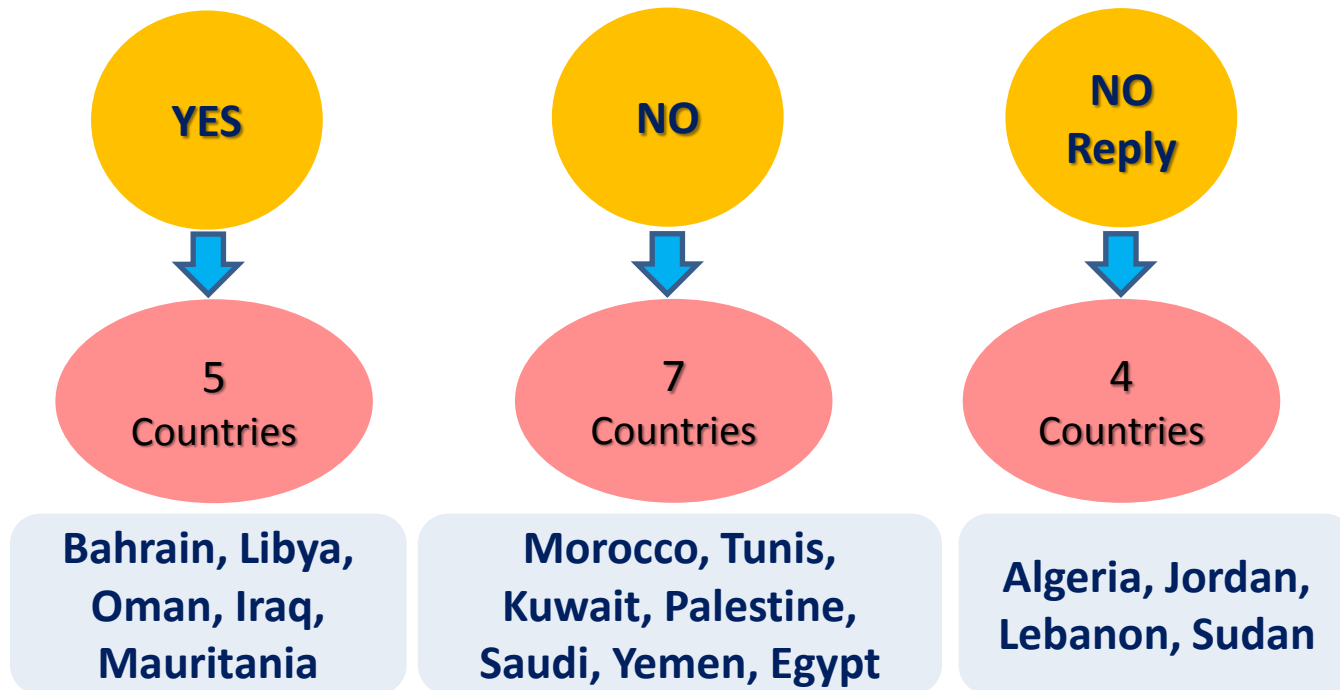
Question 12

Please indicate, if the prevention and minimization strategy developed in your country has a link to the Chemicals in Products (CiP) (developed within the framework of (SAICM)) which enables stakeholders to have access to information on chemicals in products to assist them in making decisions and taking appropriate action on chemicals exposure, risk and management YES NO



Question No. 12

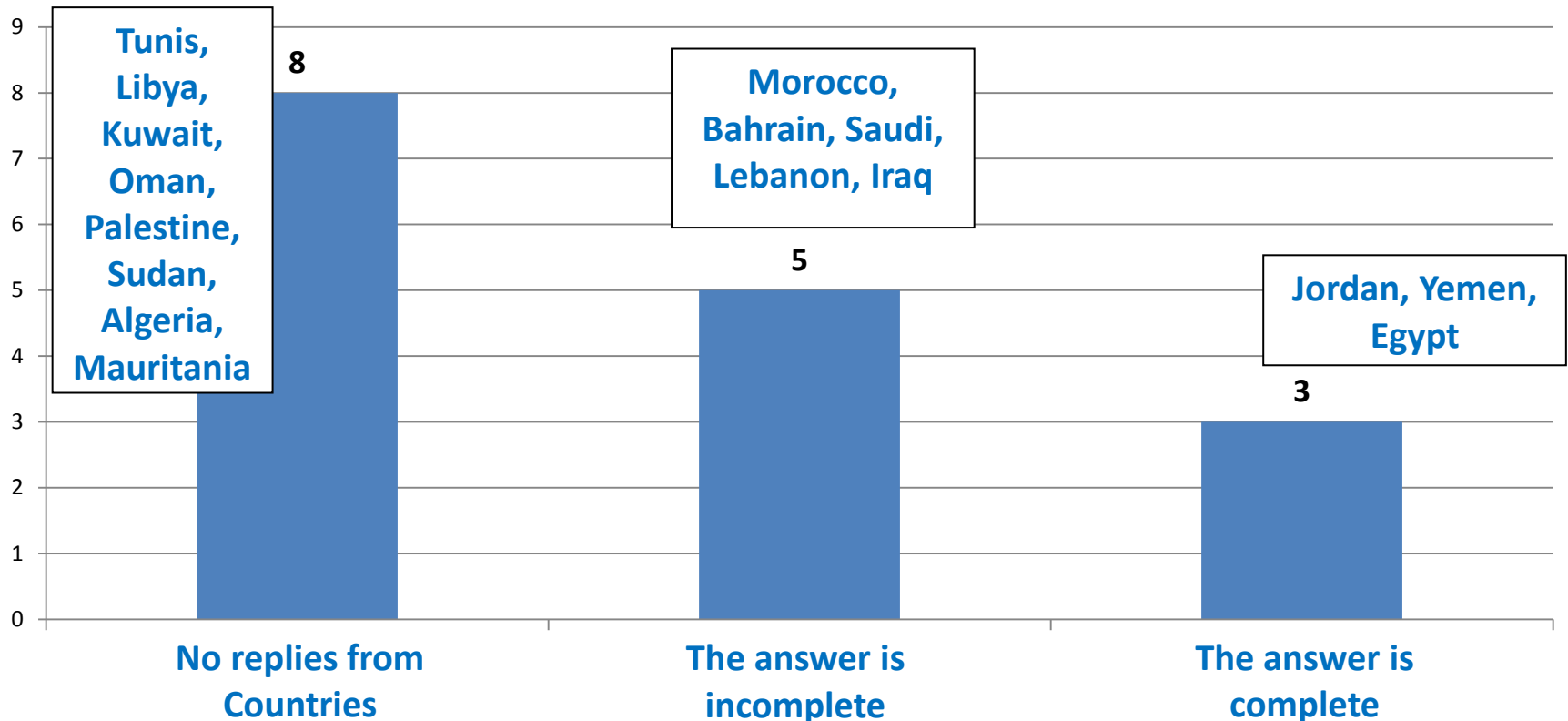
Please indicate, if the prevention and minimization strategy developed in your country has a link to the Chemicals in Products (CiP) (developed within the framework of (SAICM)) which enables stakeholders to have access to information on chemicals in products to assist them in making decisions and taking appropriate action on chemicals exposure, risk and management.



Question 13

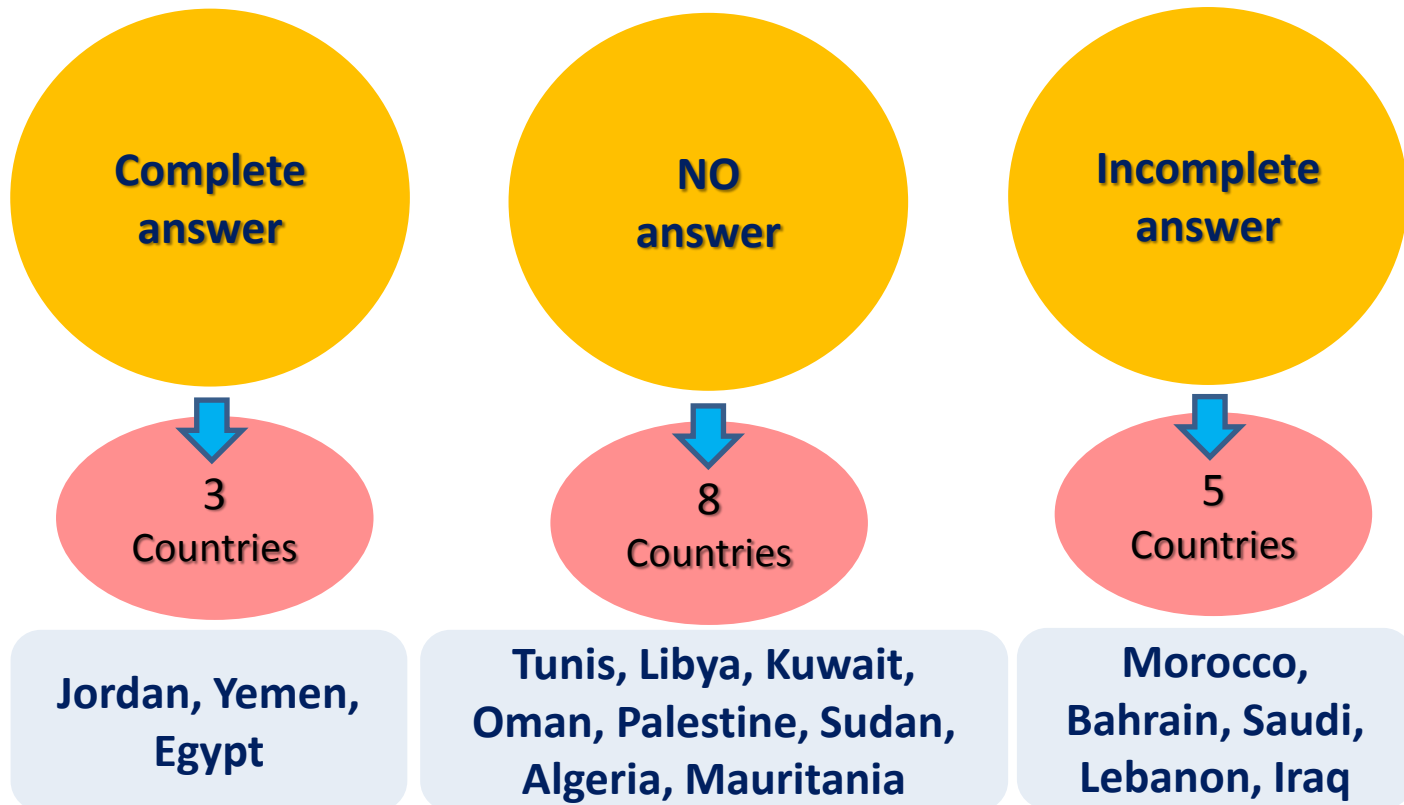
From the document "Guidance to assist Parties in developing efficient strategies for achieving the prevention and minimization of the generation of hazardous and other wastes and their disposal", please indicate how waste prevention and minimization strategies achieve the following benefits: **a.** Protection of human health and the environment **b.** Efficient production practices **c.** Economic returns **d.** Sustainable consumption patterns.

Results of response to the benefits of waste prevention strategies



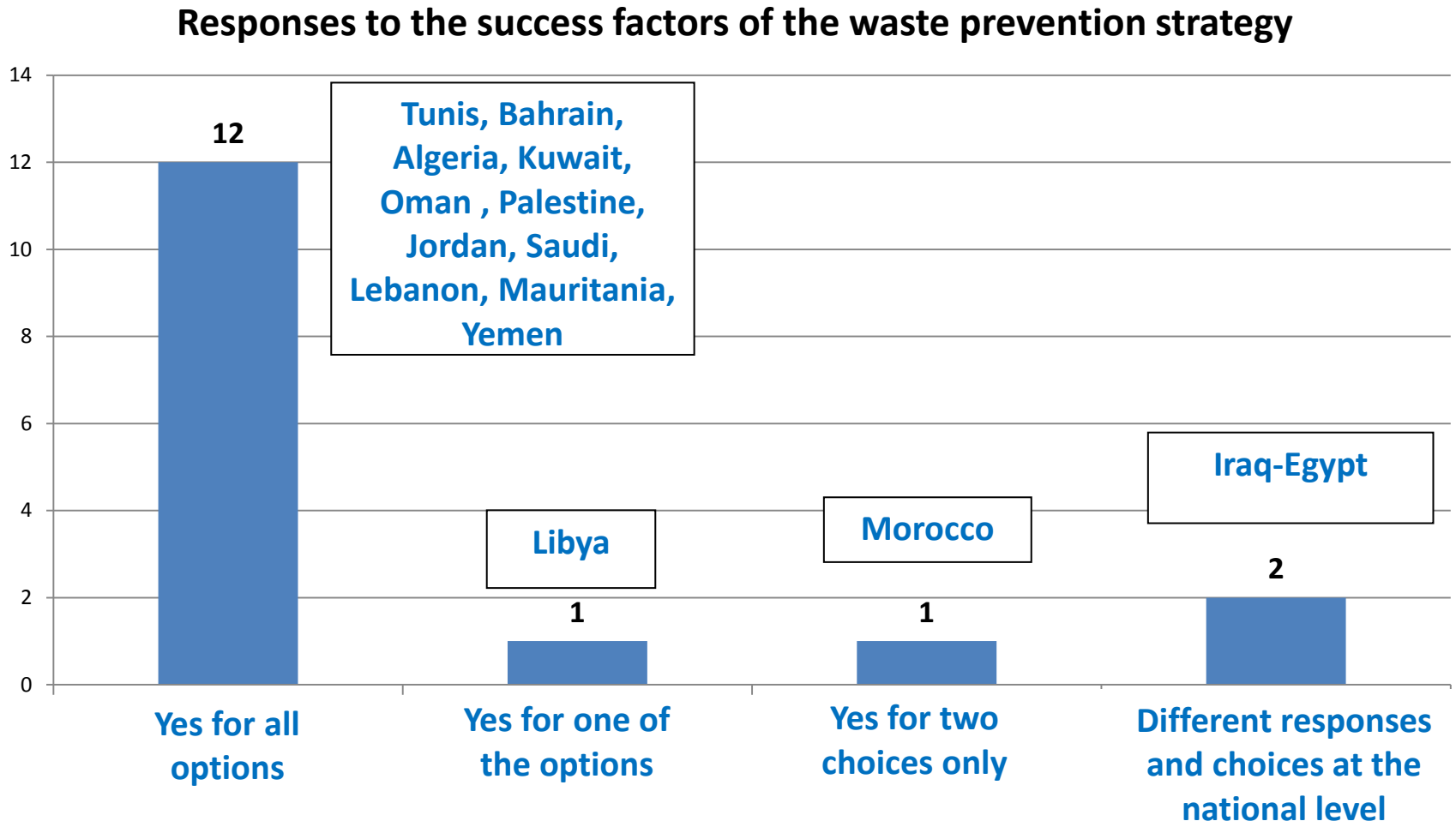
Question No. 13

From the document "Guidance to assist Parties in developing efficient strategies for achieving the prevention and minimization of the generation of hazardous and other wastes and their disposal", please indicate how waste prevention and minimization strategies achieve the following benefits:



Question 14

According to the guidance, do you agree that the following factors, contribute to the success of a waste prevention and minimization strategy, please explain why:

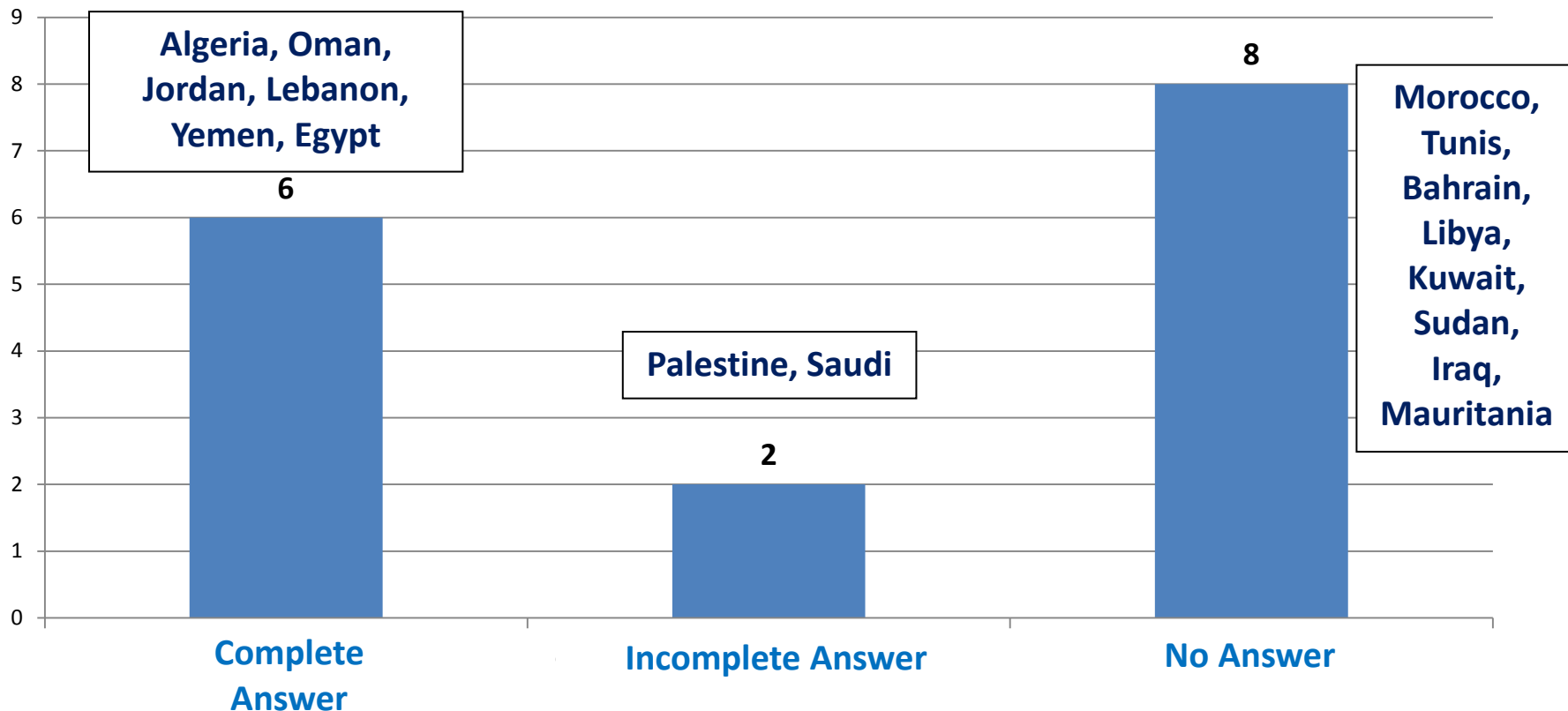


Question 15

Please refer to the guidance document to indicate how the following four steps will assist/support during the preparation of a waste prevention and minimization strategy

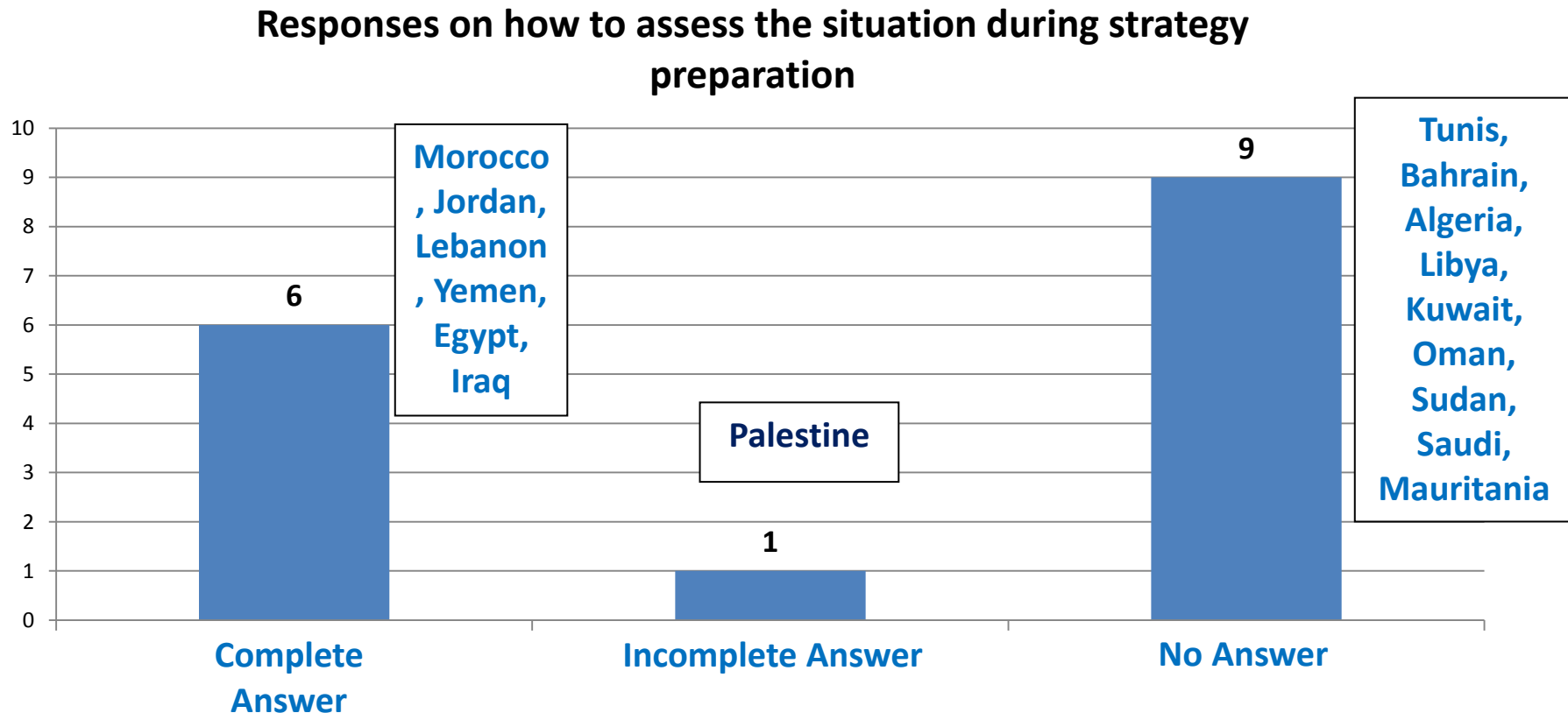
a. Establishment of the overall strategic view: **b.** Establishment of a project team which includes: **c.** Establishment of a knowledge base on: **d.** Establishment of an operational plan which:

Responses to steps to prepare waste reduction strategy



Question 16

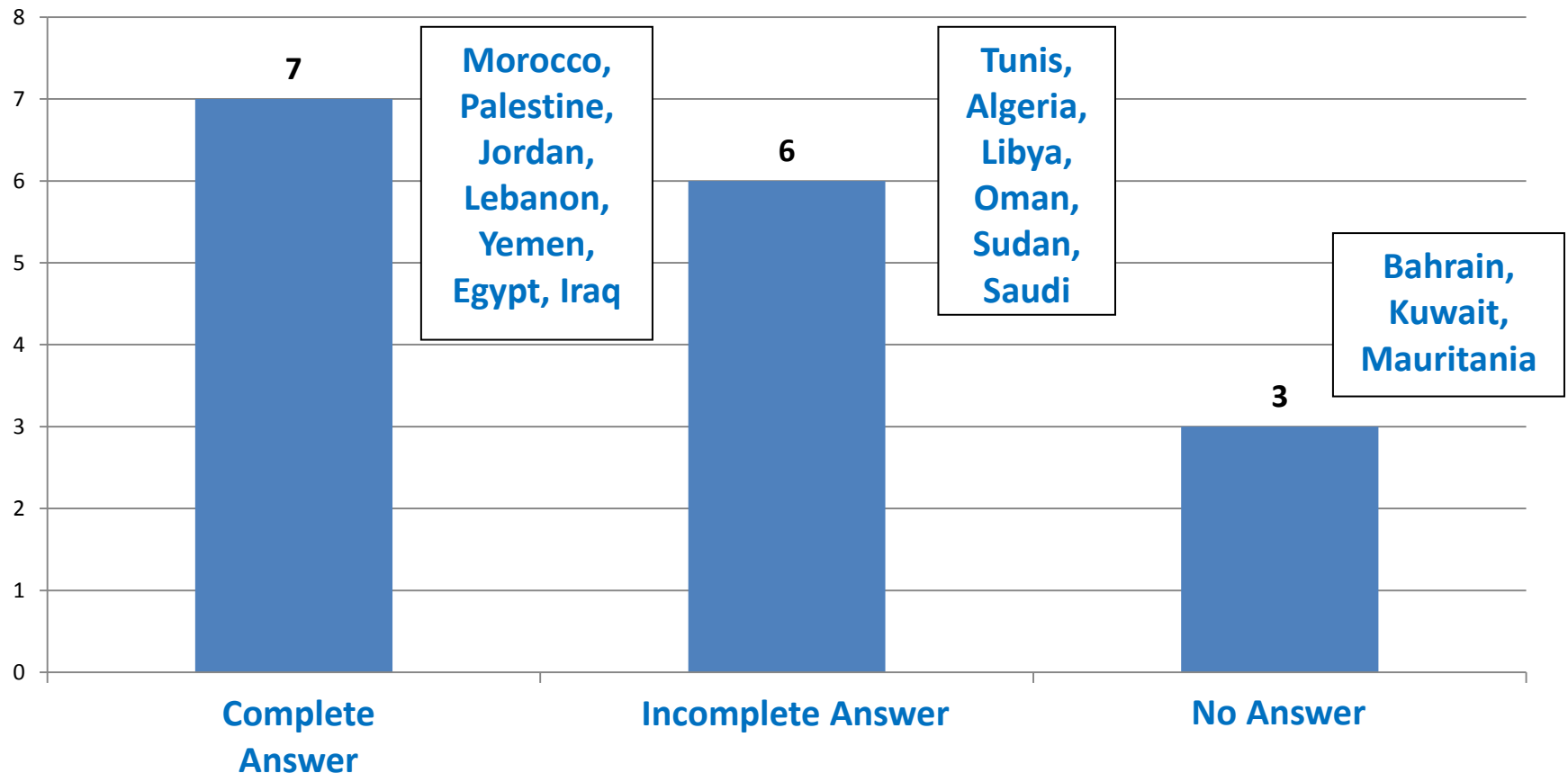
Please refer to the guidance document to indicate how the following steps will be useful during the assessment of the situation: **a.** Initial assessment **b.** Collection of information **c.** Analysis of policies **d.** Identification of key barriers and drivers for change **e.** Involvement of stakeholders: how and when



Question 17

Please indicate the key stakeholders identified in the guidance document during the development of a waste prevention and minimization strategy

Results of responses on key stakeholders during strategy development

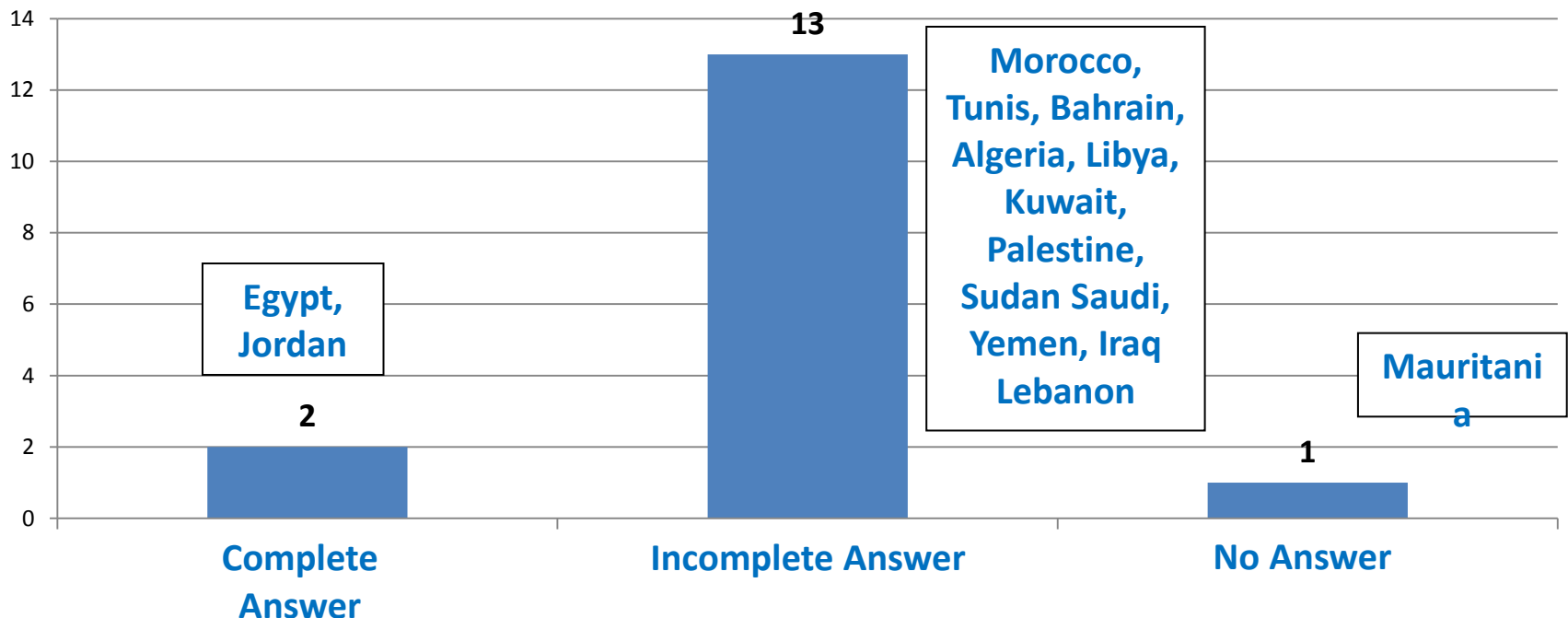


Question 18

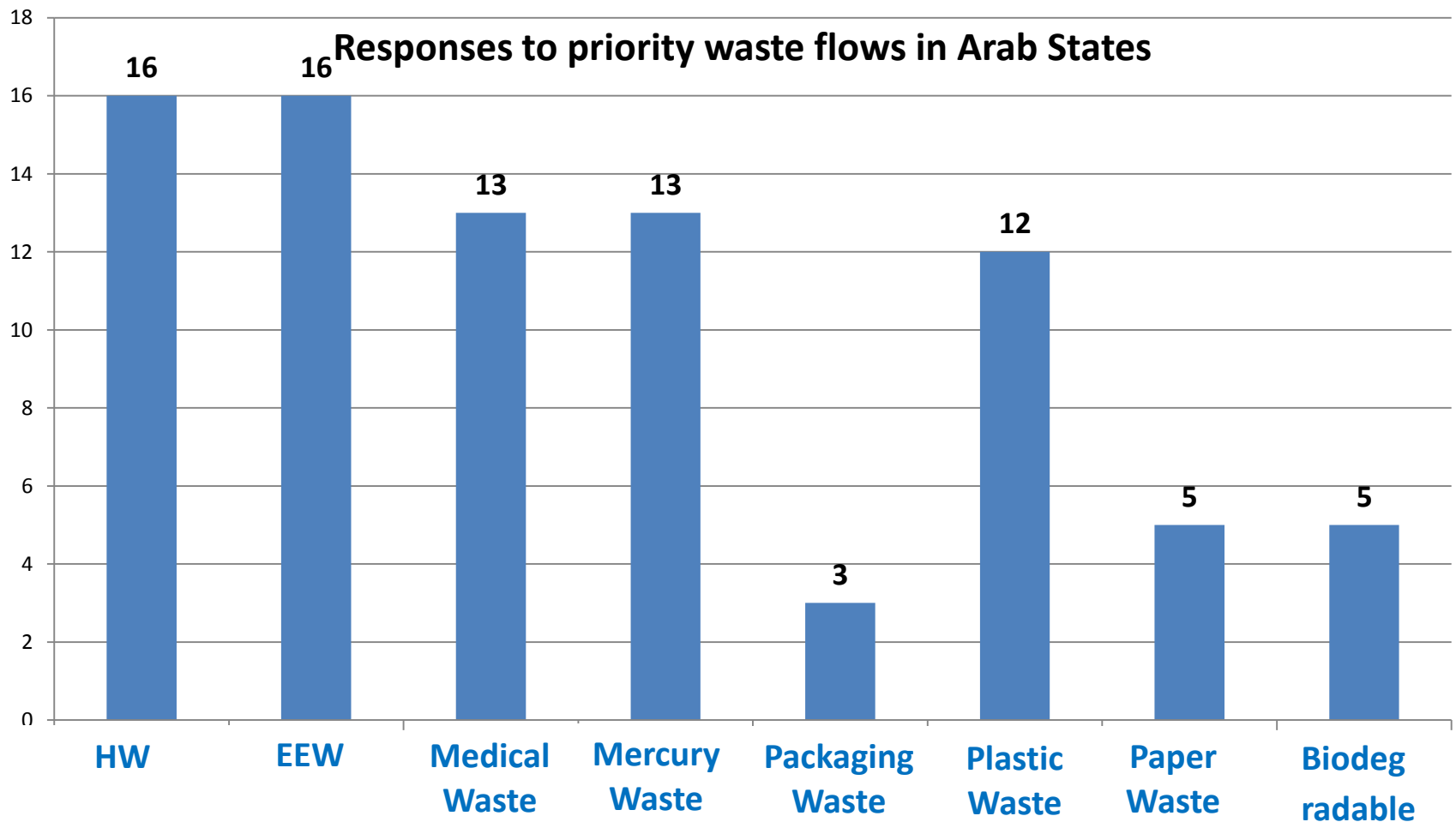
Please specify if the following priority waste streams addressed in the guidance document your country faces challenges and requires technical assistance to develop/achieve waste prevention and minimization policies/strategies

a. Hazardous wastes **b.** E-waste **c.** Healthcare or medical waste **d.** Mercury waste
e. Packaging waste **f.** Plastic waste **g.** Paper waste **h.** Biodegradable

Responses on challenges to priority waste flows



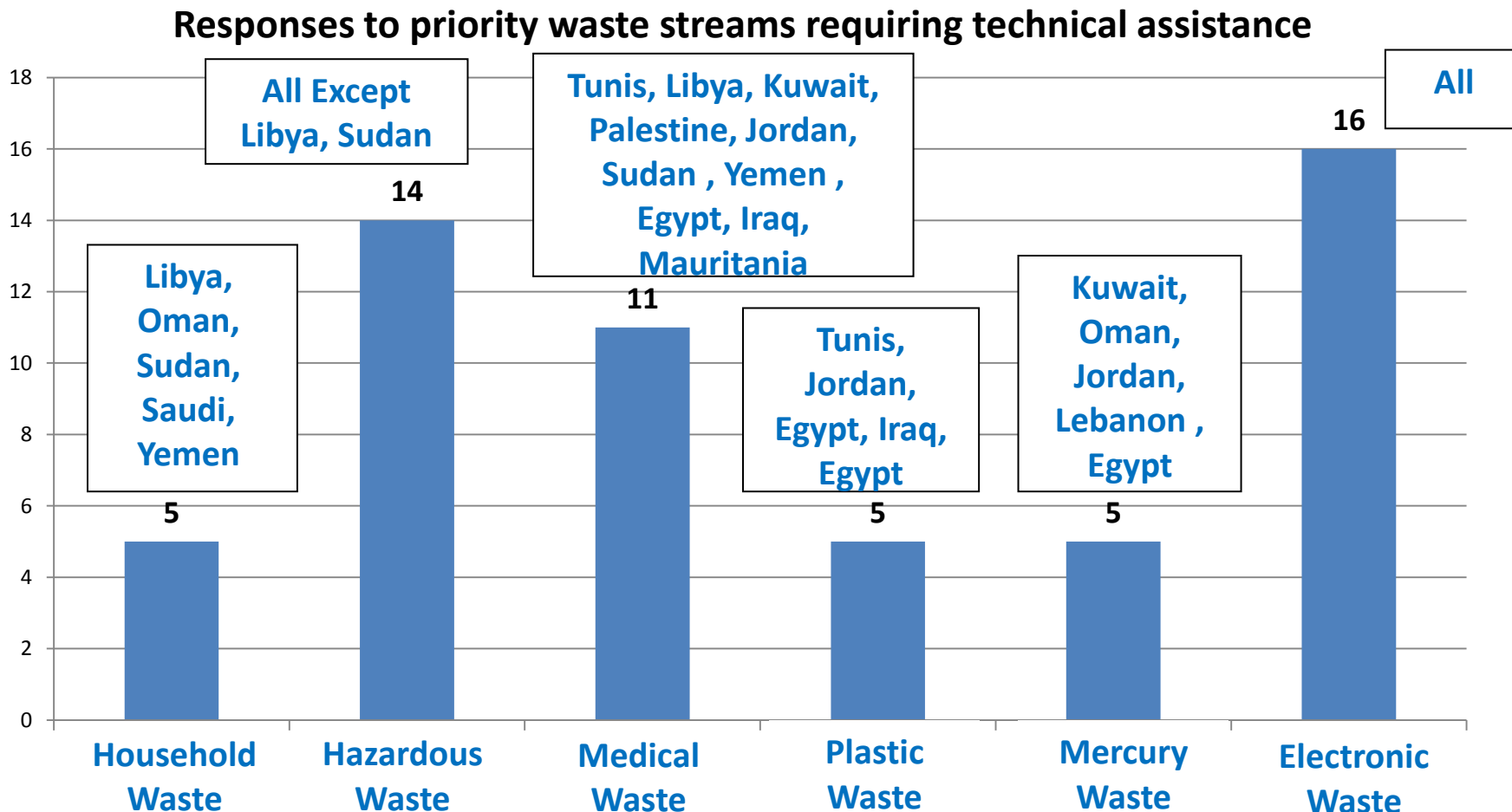
Question 18 (continue)



Note: Figures shown represent the number of priority waste options and do not represent the number of countries

Question 19

Please indicate 4 priority waste streams in which your country requires technical assistance for achieving waste prevention and minimization:

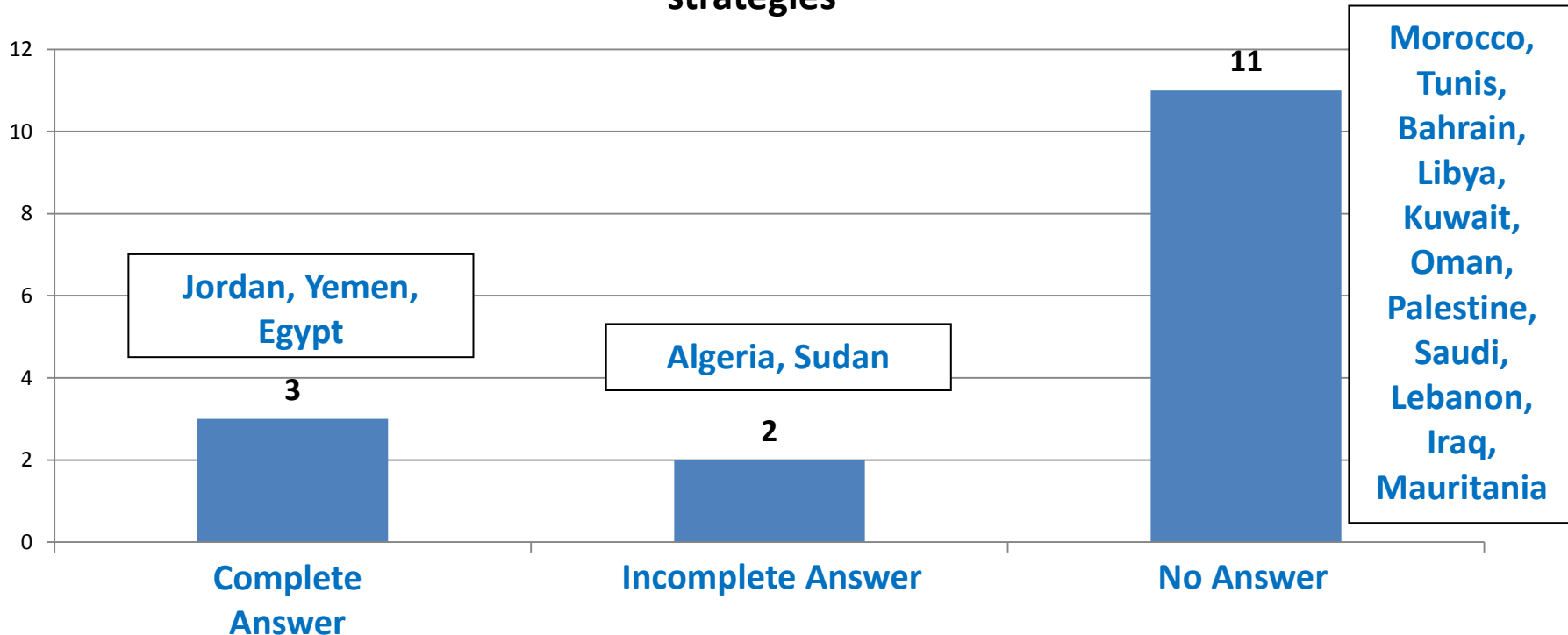


Question 20

Please refer to the guidance document to indicate how the following steps will be useful in determining the appropriate targets in waste prevention and minimization strategies

- a. Geographical scale of targets
- b. Quantitative or qualitative targets
- c. data collection
- d. Timeframe
- e. Voluntary or obligatory targets and instruments
- f. General or focused targets

Responses on steps to define the objectives of waste reduction strategies



Question 21

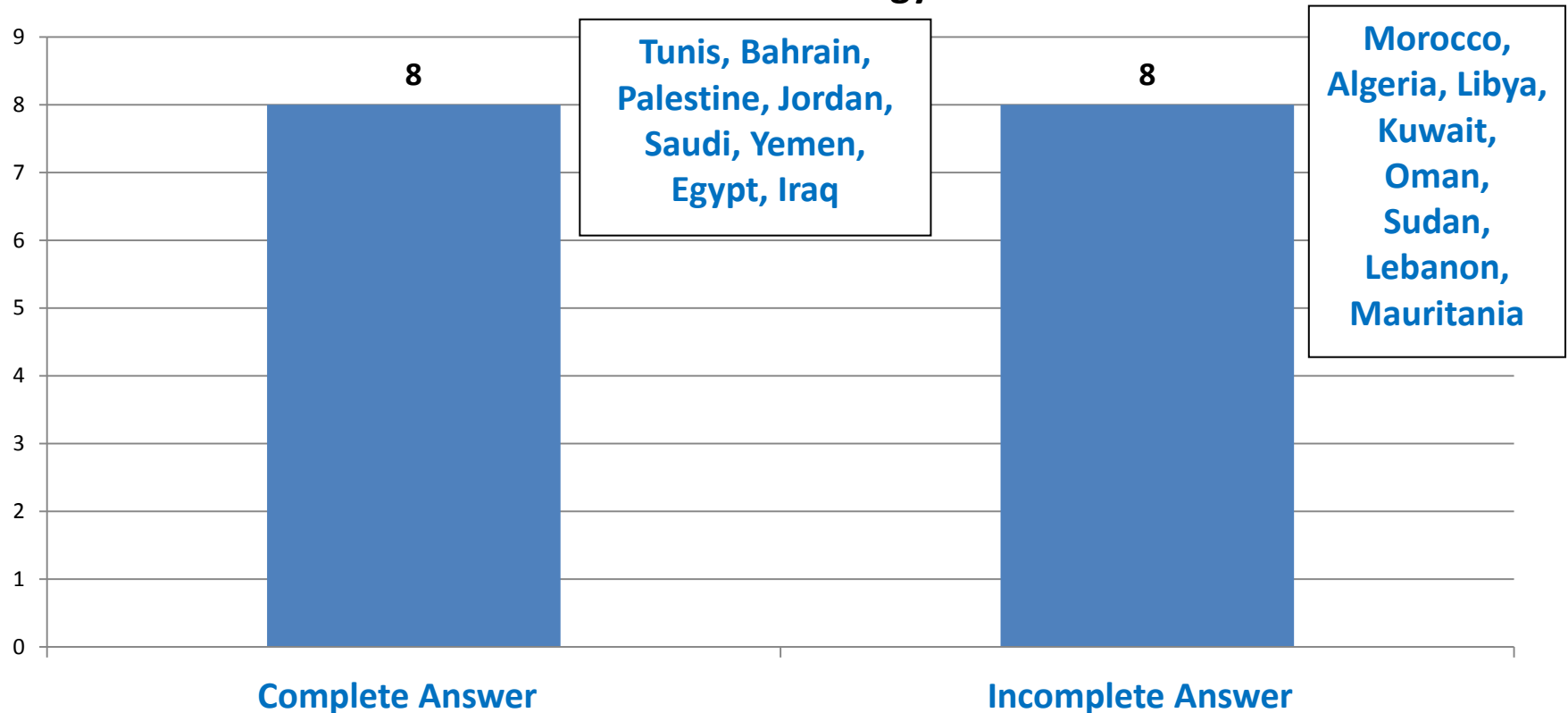
Please refer to the guidance document and specify how the Stakeholder involvement in the strategy is undertaken



Question 22

A list of practical questions (addressed in the guidance document) that could help identify opportunities in developing a waste prevention and minimization strategy from the perspective of policy integration and coherence is provided below (Brainstorming):

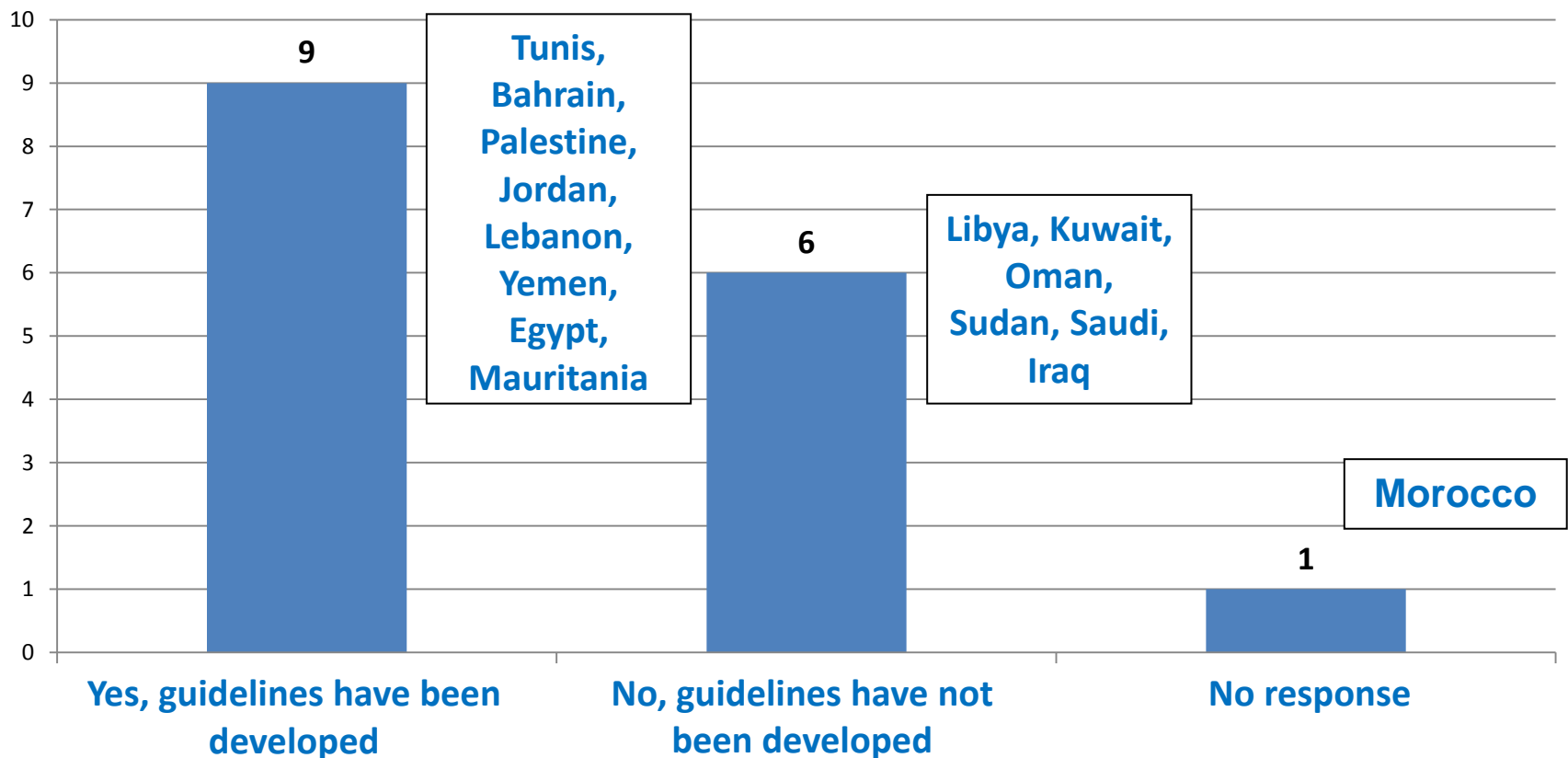
Responses to help questions to identify opportunities for a waste reduction strategy



Question 23

Please indicate if your country has developed relevant impact assessment guidelines and training cover waste prevention and minimization issues as a tool for the integration of waste prevention and minimization aspects into other policy areas

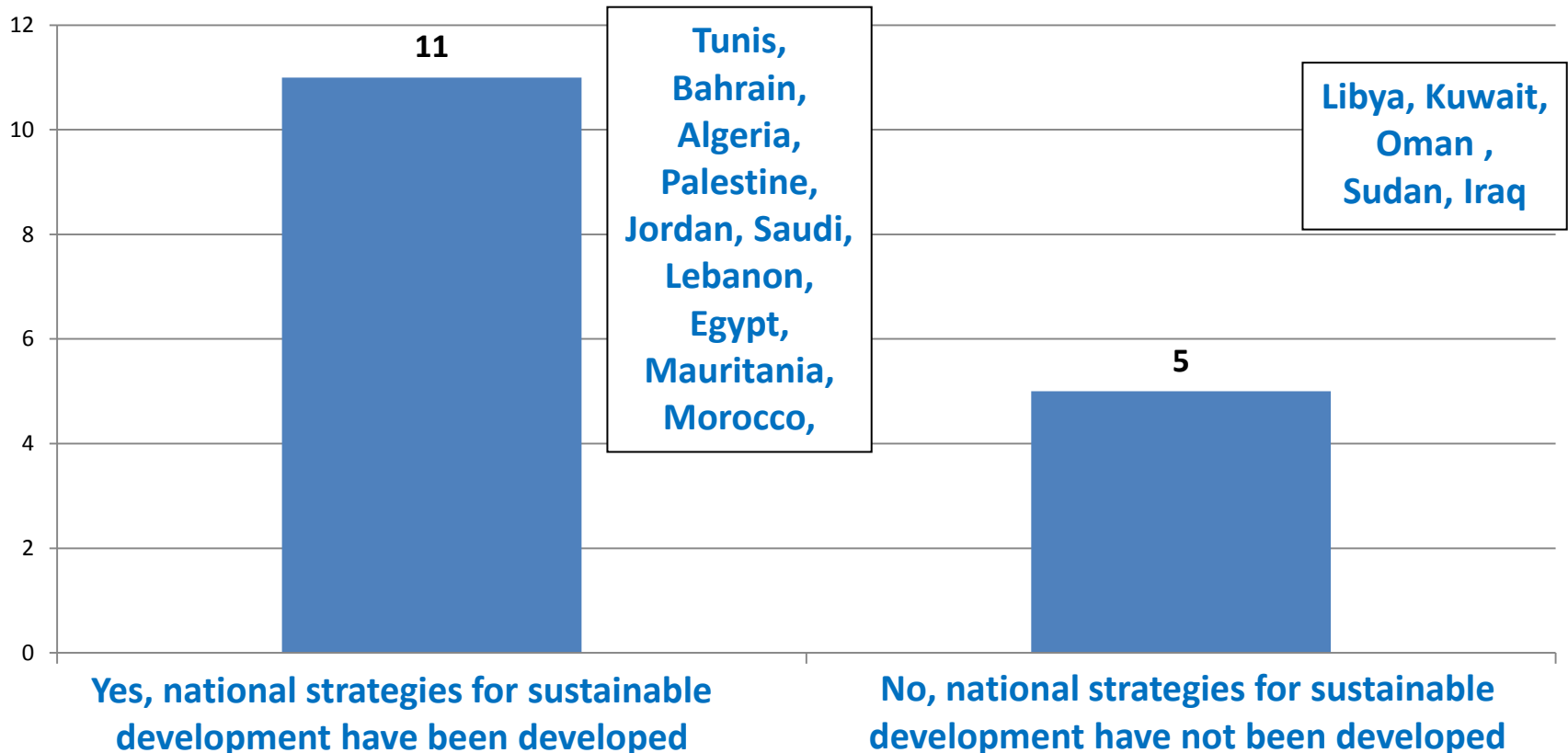
Responses on State status of guidelines for waste impact assessment



Question 24

Please indicate if your country has developed National Sustainable Development strategies as a tool for the integration of waste prevention and minimization aspects into other policy areas

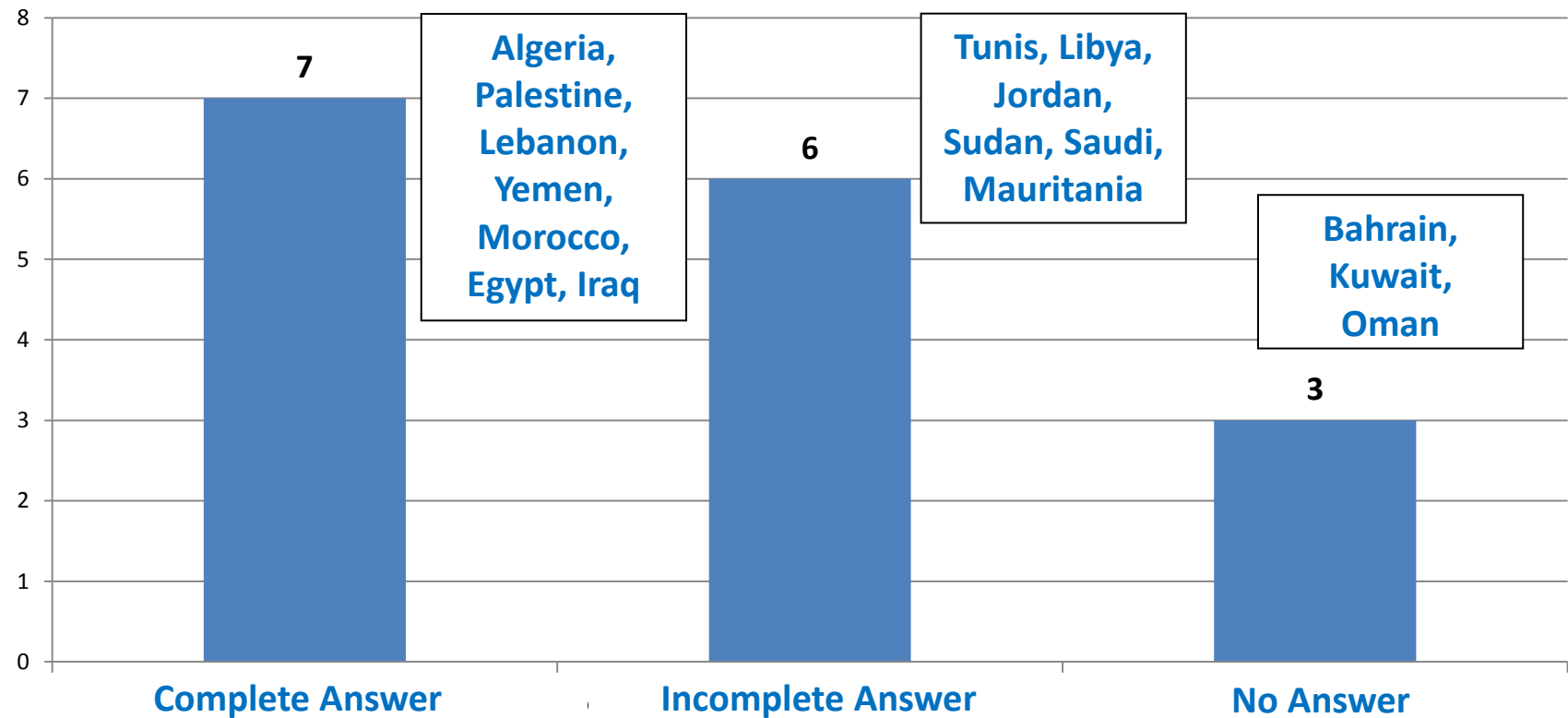
Responses on the status of States to national strategies for sustainable development



Question 25

Please refer to the guidance document and indicate the possible monitoring approaches that used to track progress and ensuring the transparency and credibility of the waste prevention and minimization strategy

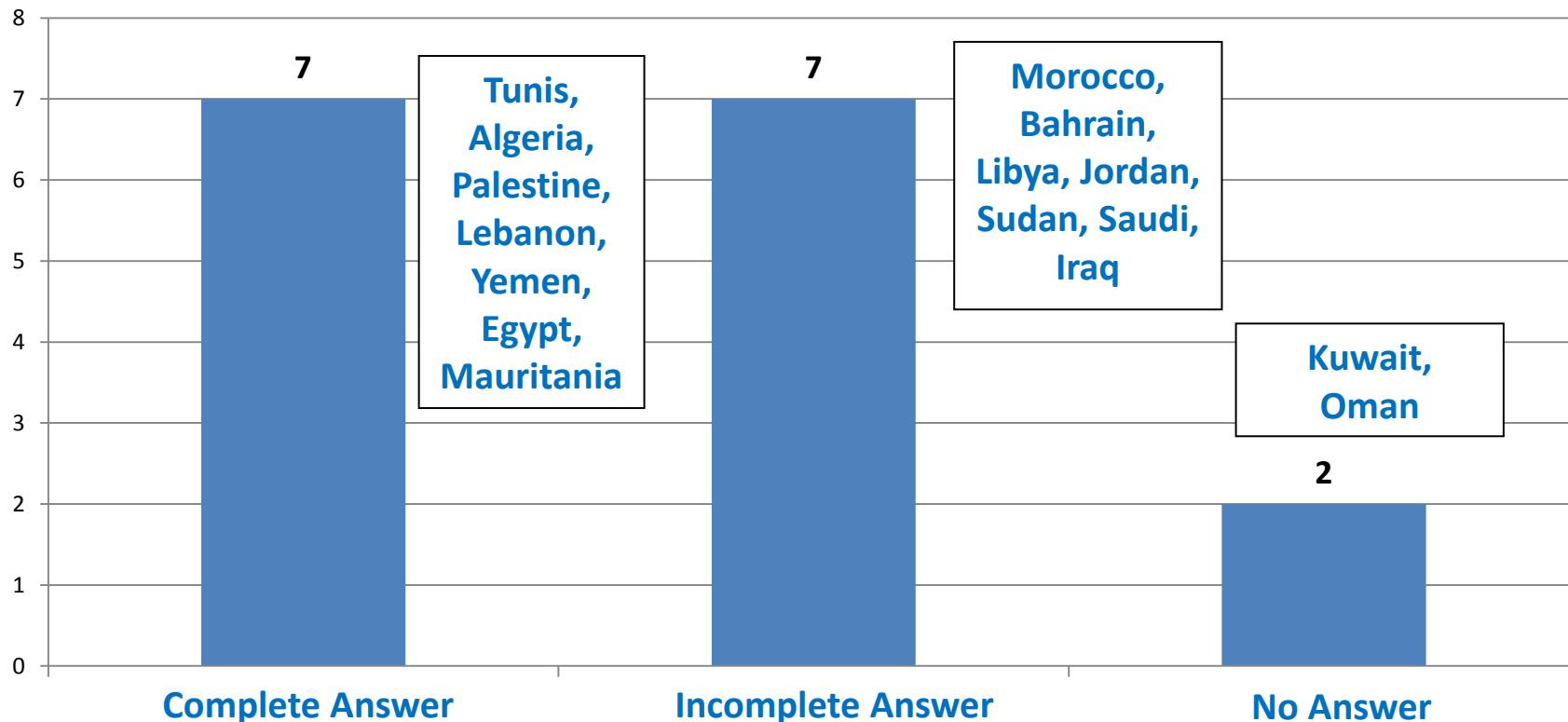
Responses to the monitoring methodologies used to track the progress of the strategy



Question 26

Referring to the guidelines, please indicate the main goals of waste prevention and minimization indicators

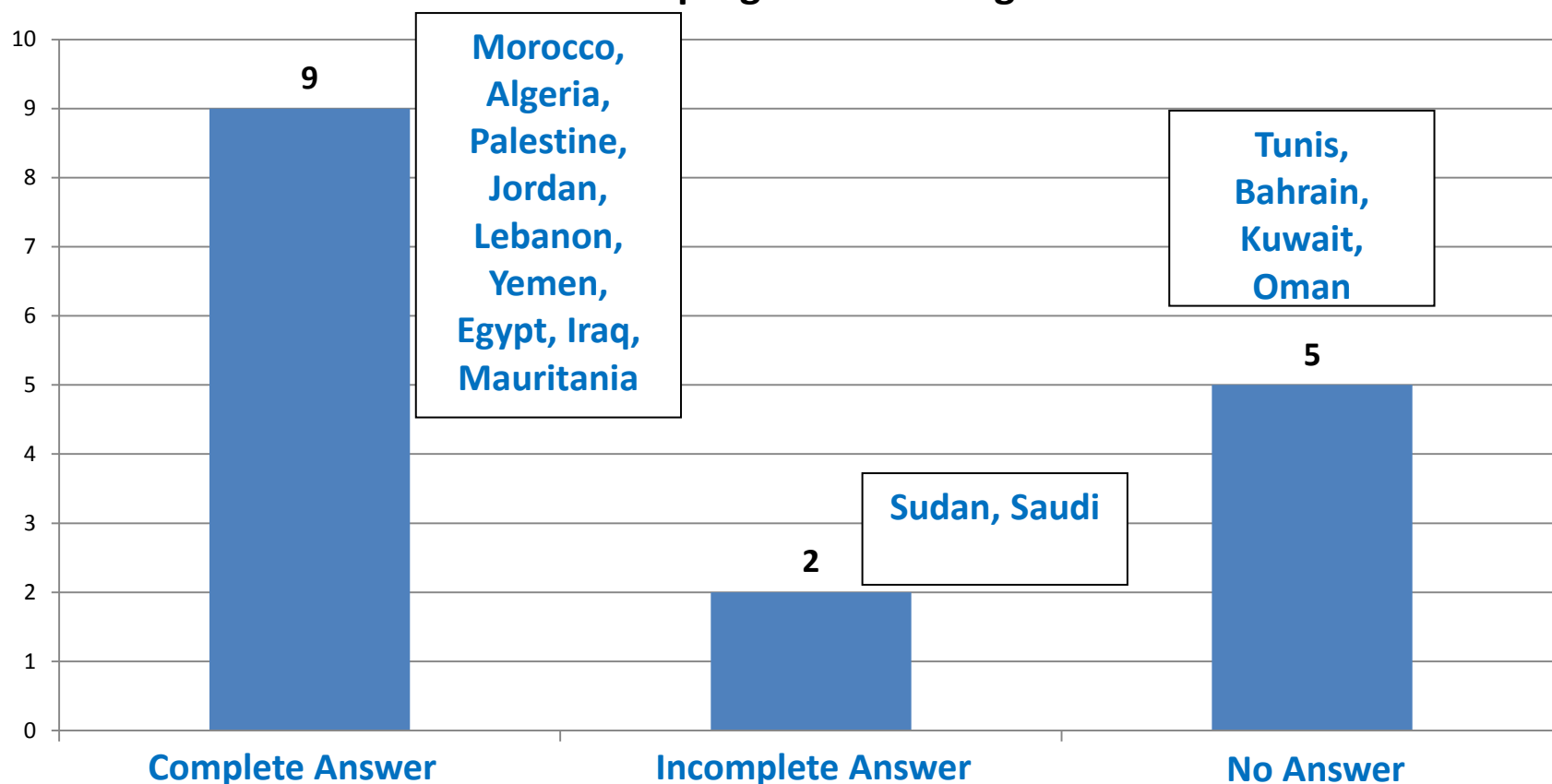
Results of responses to the main objectives of the waste prevention and reduction strategy indicators



Question 27

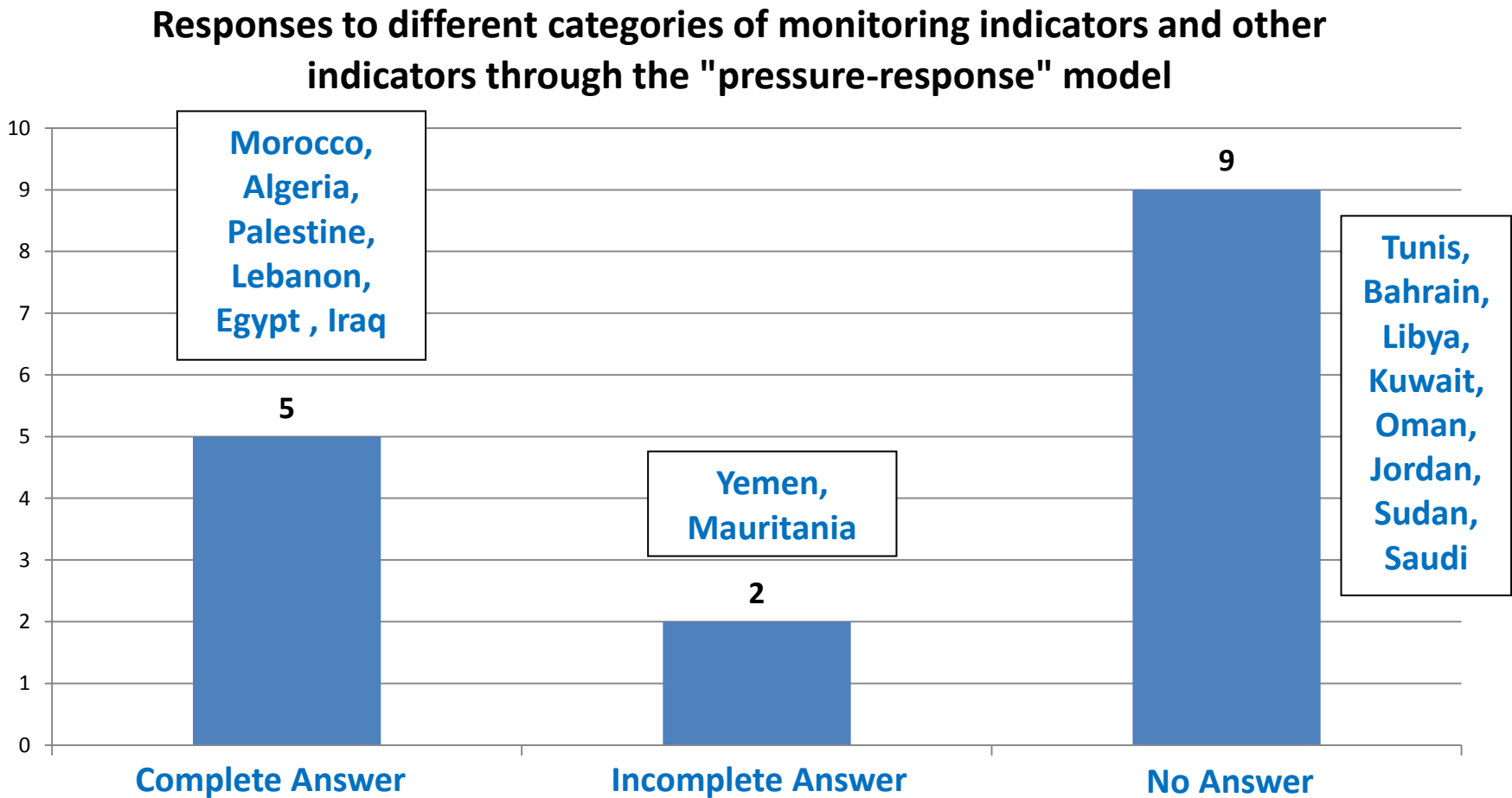
What are the principles for effective indicators designed for monitoring progress of strategies

Responses to the principles of effective indicators designed to monitor progress in strategies



Question 28

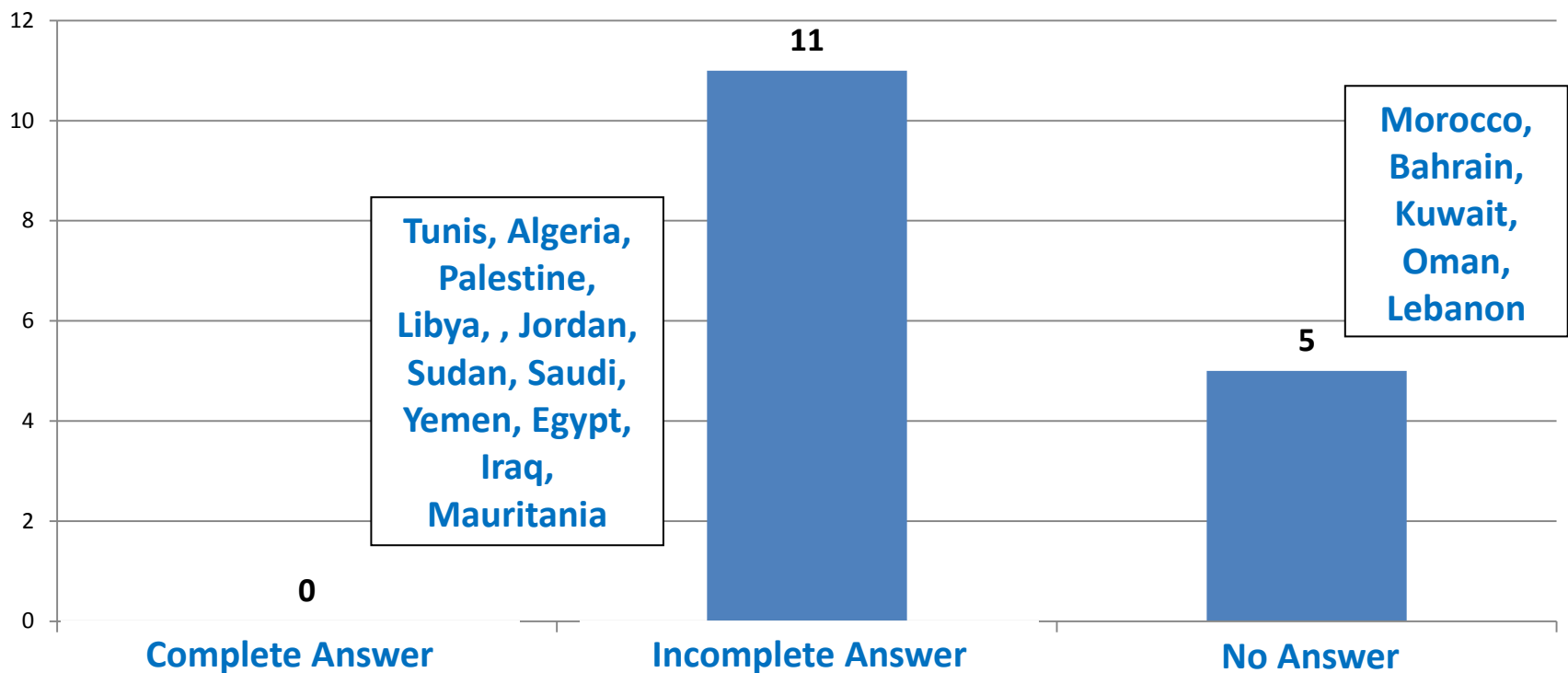
What are the different categories of monitoring indicators and other categories of indicators through 'Pressure-State-Response' Model, developed by the Organization for Economic Co-operation and Development (OECD)



Question 29

Please refer to the guidance document and indicate which of the examples of waste streams indicators addressed in the guidance faces challenges in your country

Responses to examples of waste flow indicators are addressed in the guidelines and facing challenges in your country



Thank You!





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