

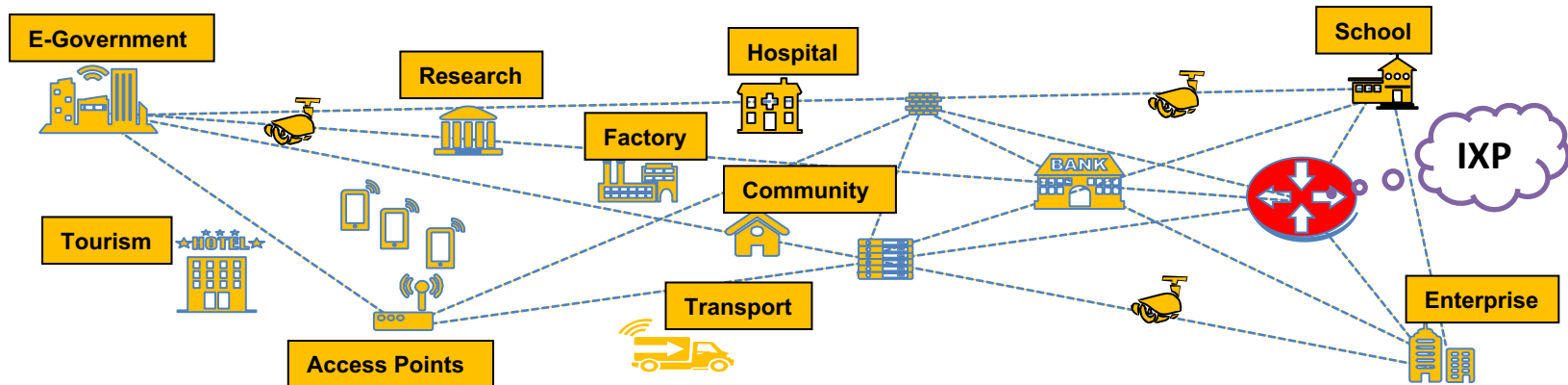
# *Joint 41<sup>st</sup> Executive Council and 23<sup>rd</sup> General Conference of Ministers*

## Caribbean IXP Proliferation and Enhancement Project

*Tuesday, September 22, 2020*

# Project Vision and Objectives

**Effectively Connecting Public and Private Institutions, Touches All Aspects of Life**



**Clusters of National IXPs Facilitating Connectivity of Critical Broadband Internet Infrastructure**

## Harmony



- Enhanced routing infrastructure and services supported through enhanced regional collaboration and coordination
- Promote the social and economic benefits of IXPs among Caribbean Member States

## Efficiency



- Enhance regional traffic routing options in the Caribbean
- Improve the resilience, capacity and efficiencies of Caribbean networks (COVID-19 pandemic example)

## Entrepreneurship



- Local and regional facilities for content delivery to improve user experience
- Incentivise new regional Internet-based growth and development opportunities

# CARIBIX PROJECT - STAKEHOLDERS AND PARTNERSHIPS



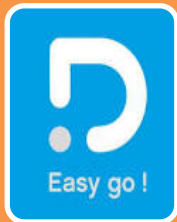
Coordinate implementation of IXPs in the French territories. provide programme management oversight, technical advise and guidance on all aspects of the set up and ongoing operations of the IXPs



Telem : In charge of the implementation of the bridge between SoualigaIX and OCIX



The Collectivity of Saint Barthélemy: In charge of the creation of Saint Barthélemy's GIX, BarthIX



**Dauphin Telecoms:**  
Lead the implementation of the IXP Saint Martin, SoualigaIX



The Guadeloupe Tech Association : In charge of the implementation of the IXP of Guadeloupe, GuadIX

# CARIBIX and Caribbean IXP Proliferation Collaborations



**Project effective date 1<sup>st</sup> January 2021**

- **Key Activities:**

- Capacity building and training on the evolution of the IXPs, their features, services, and role in the national development;
- Training on developing a content creation industry;
- Development of a governance mechanism for the IXPs;
- Engagement of Stakeholders;
- Implementation of the IXP infrastructure;
- Facilitation of interconnection with the other IXPs;
- Establishing the basis for a local content industry.

# CARIBIX FRENCH TERRITORIES PRIORITIES



Saint-Barthélemy is to create an internet exchange point on the island which is intended to improve the reliability and service experience of the operators and users of the telecommunications network



Guadeloupe and the association of Guadeloupe Tech is to create a simple and inexpensive tool to identify and route the internet traffic of the territory locally



Saint Martin and Sint Maarten is to create a digital bridge and connectivity to the existing Sint Maarten IXP, establishing one 'geographic unit' which will facilitate easy inter island traffic exchange



**Survey Administered:  
Tuesday, July 07, 2020**

*Caribbean IXP Proliferation and Enhancement Project*

# CARIBBEAN IXP OPERATIONS SURVEY RESULTS

*Presented to the IXP Managers at the CIGF on  
Thursday, August 13, 2020*

# Survey Objectives

- The survey constitutes the first activity of the Caribbean IXP Proliferation and Enhancement Project. It seeks to gather information on the current status of the operations of the IXPs within the Caribbean, focusing on the following areas:
  - **Policy perspectives** on the role of the IXP in building the Caribbean internet ecosystem
  - **Technical considerations** to support Caribbean IXP Development
  - **Growth and sustainability** of Caribbean IXP operations
  - **Measuring the impact** of Caribbean IXPs

# CARIBBEAN IXP OPERATIONS SURVEY

**Q1: In which country is your IXP located?**

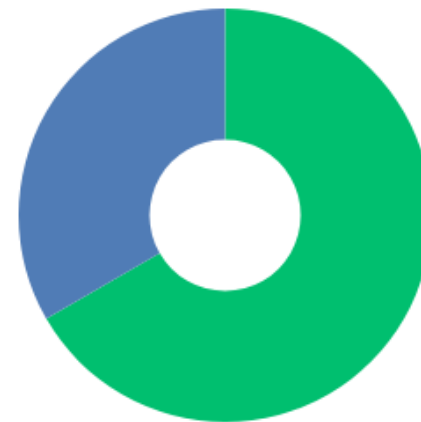
| Answer Choices                 | Responses |
|--------------------------------|-----------|
| BARBADOS                       | 1         |
| BELIZE                         | 0         |
| CUBA                           | 0         |
| CURACAO                        | 0         |
| DOMINICA                       | 1         |
| DOMINICAN REPUBLIC             | 0         |
| GRENADA                        | 1         |
| HAITI                          | 0         |
| JAMAICA                        | 0         |
| MARTINIQUE                     | 0         |
| PUERTO RICO                    | 1         |
| ST. LUCIA                      | 0         |
| ST. VINCENT AND THE GRENADINES | 1         |
| SINT MAARTEN                   | 0         |
| TRINIDAD AND TOBAGO            | 1         |
| Responses                      | 6         |
| Non-Responses                  | 9         |



# IXP Governance Perspectives

**Q2: Is there an appointed dedicated IXP coordinator?**

| Answer Choices | Responses |
|----------------|-----------|
| Yes            | 67%       |
| No             | 33%       |

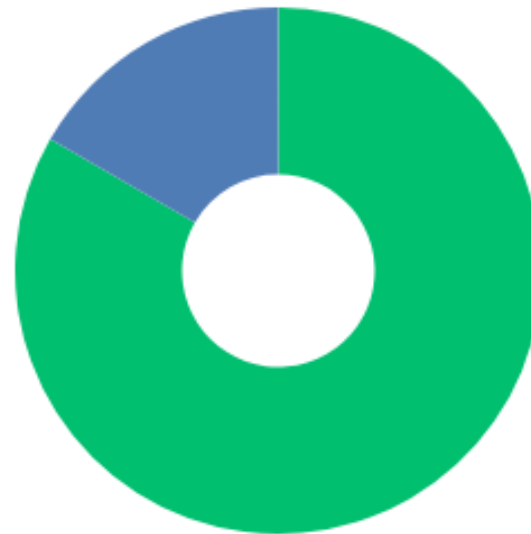


Yes No

# IXP Governance Perspectives

**Q3: Is there an IXP oversight team?**

| Answer Choices | Responses |
|----------------|-----------|
| Yes            | 83%       |
| No             | 17%       |



Yes No

# IXP Governance Perspectives

**Q4: If yes to question 2 above, how often does the team meet?**

| Answer Choices   | Responses |
|------------------|-----------|
| Once a month     | 17%       |
| Every quarter    | 17%       |
| Every six months | 17%       |
| Once a year      | 33%       |
| Not at all       | 17%       |

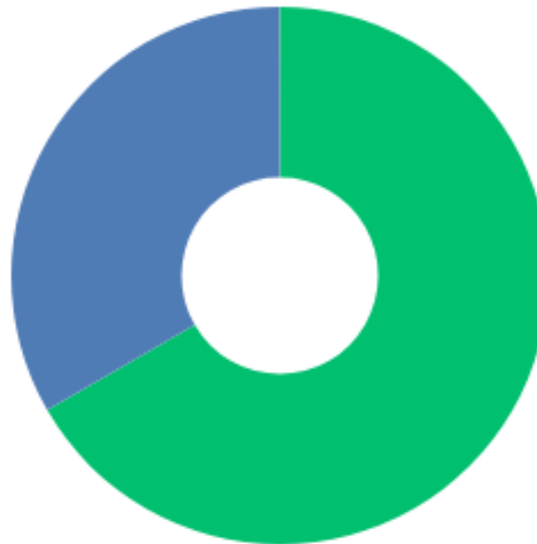


Once a month   Every quarter   Every six months   Once a year   Not at all

# IXP Policy Perspectives

**Q5: Is there a written peering agreement?**

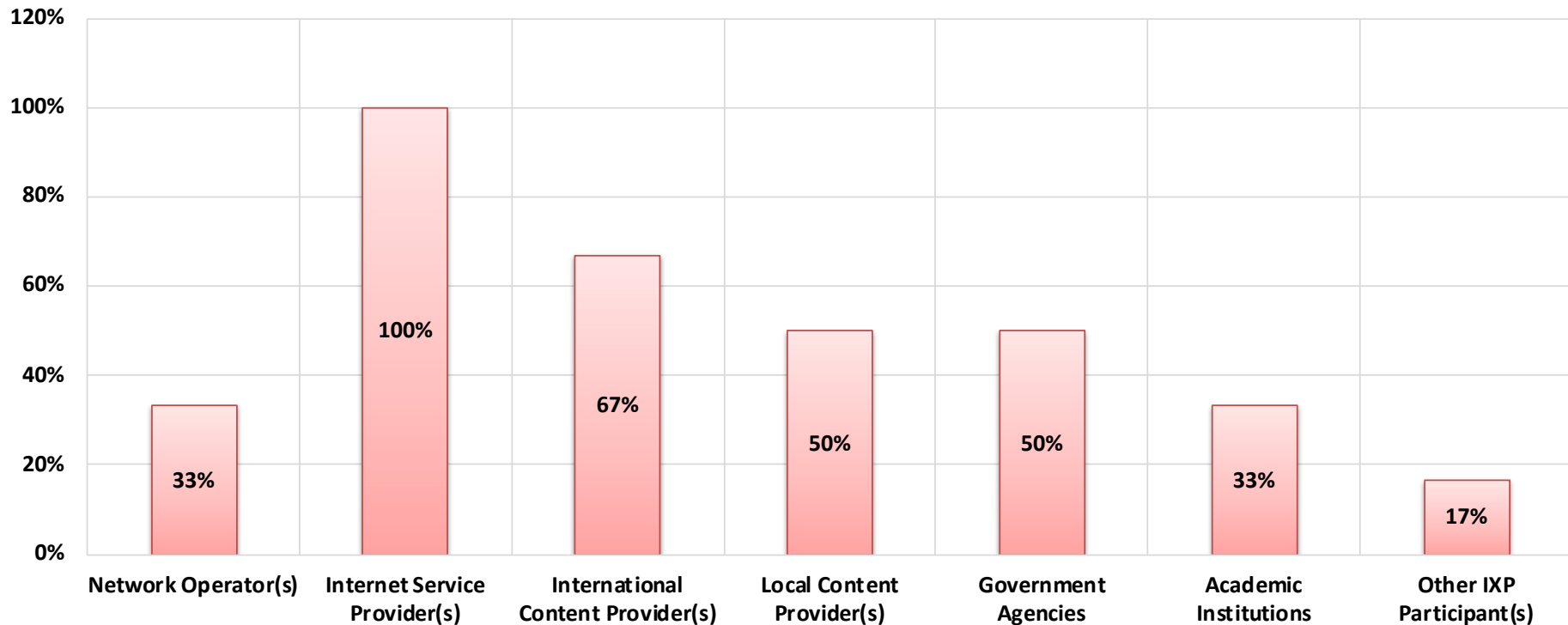
| Answer Choices | Responses |
|----------------|-----------|
| Yes            | 67%       |
| No             | 33%       |



■ Yes ■ No

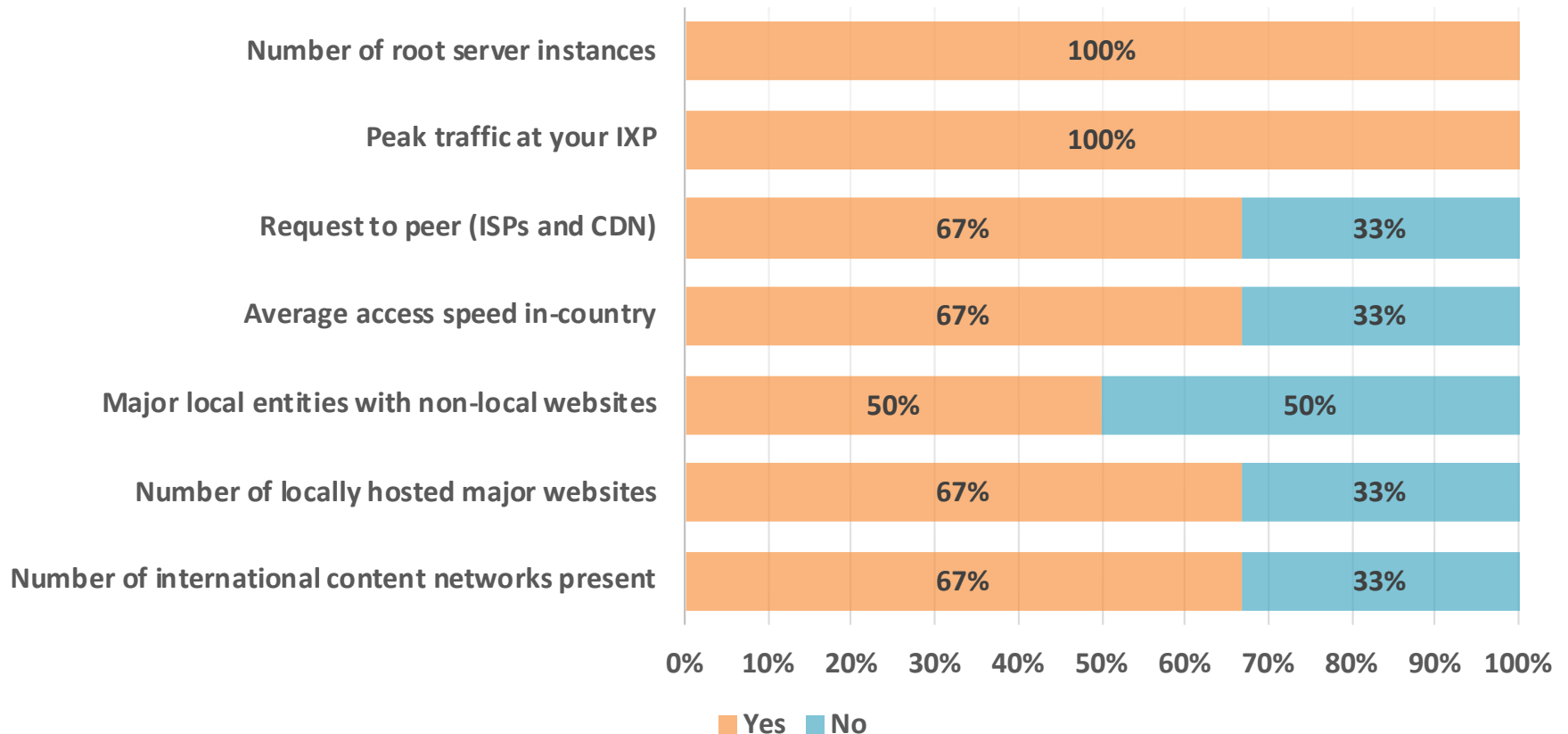
# Growth and Sustainability of IXP Operations:

**Q6: How many types of participants are connected to your IXP?**



## Results-Based Measures of Impact on IXP:

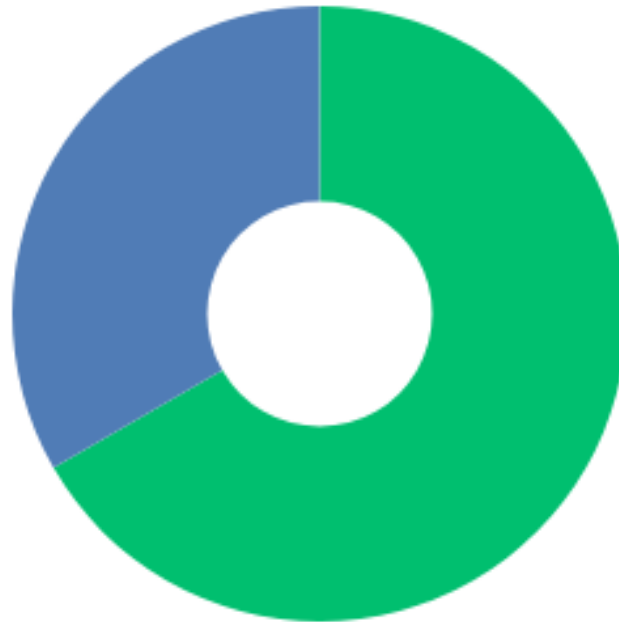
- Q9: Are any of the following indicators used to aid in tracking the growth and impact of your IXP?



# IXP Peering Dynamics:

**Q11: Is there a written peering agreement?**

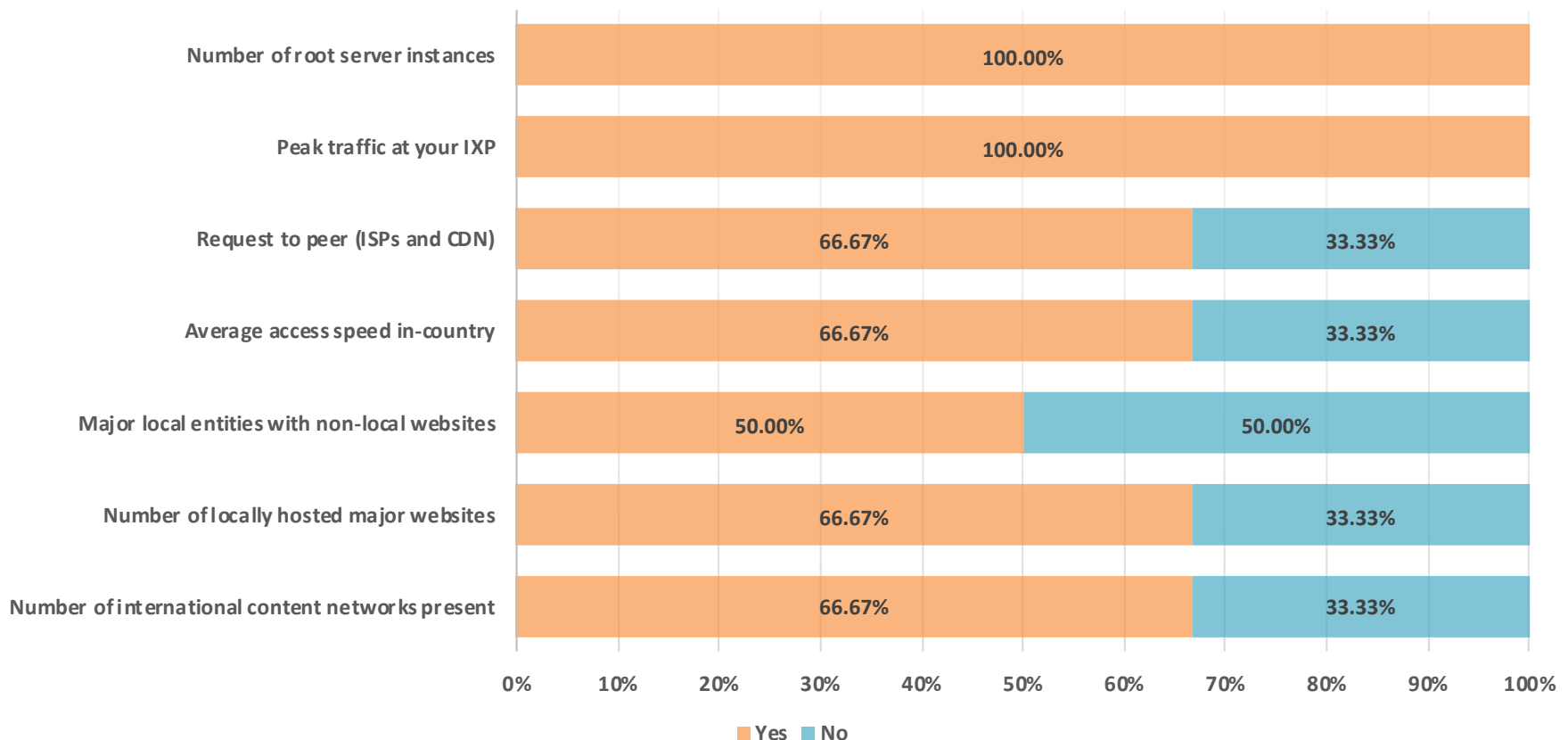
| Answer Choices | Responses |
|----------------|-----------|
| Yes            | 66.67%    |
| No             | 33.33%    |



Yes No

# Results-Based Measures of Impact on IXP:

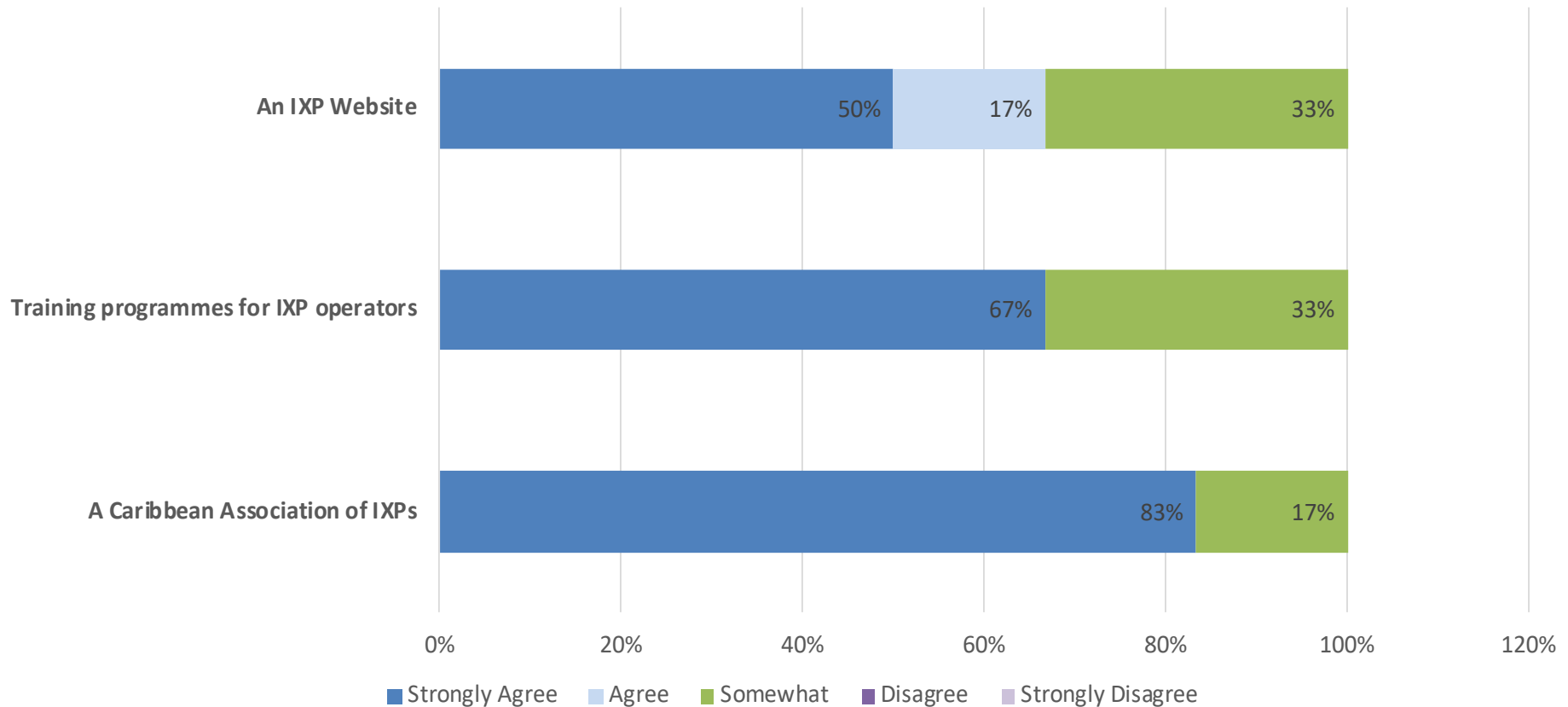
**Q17: Are any of the following indicators used to aid in tracking the growth and impact of your IXP?**



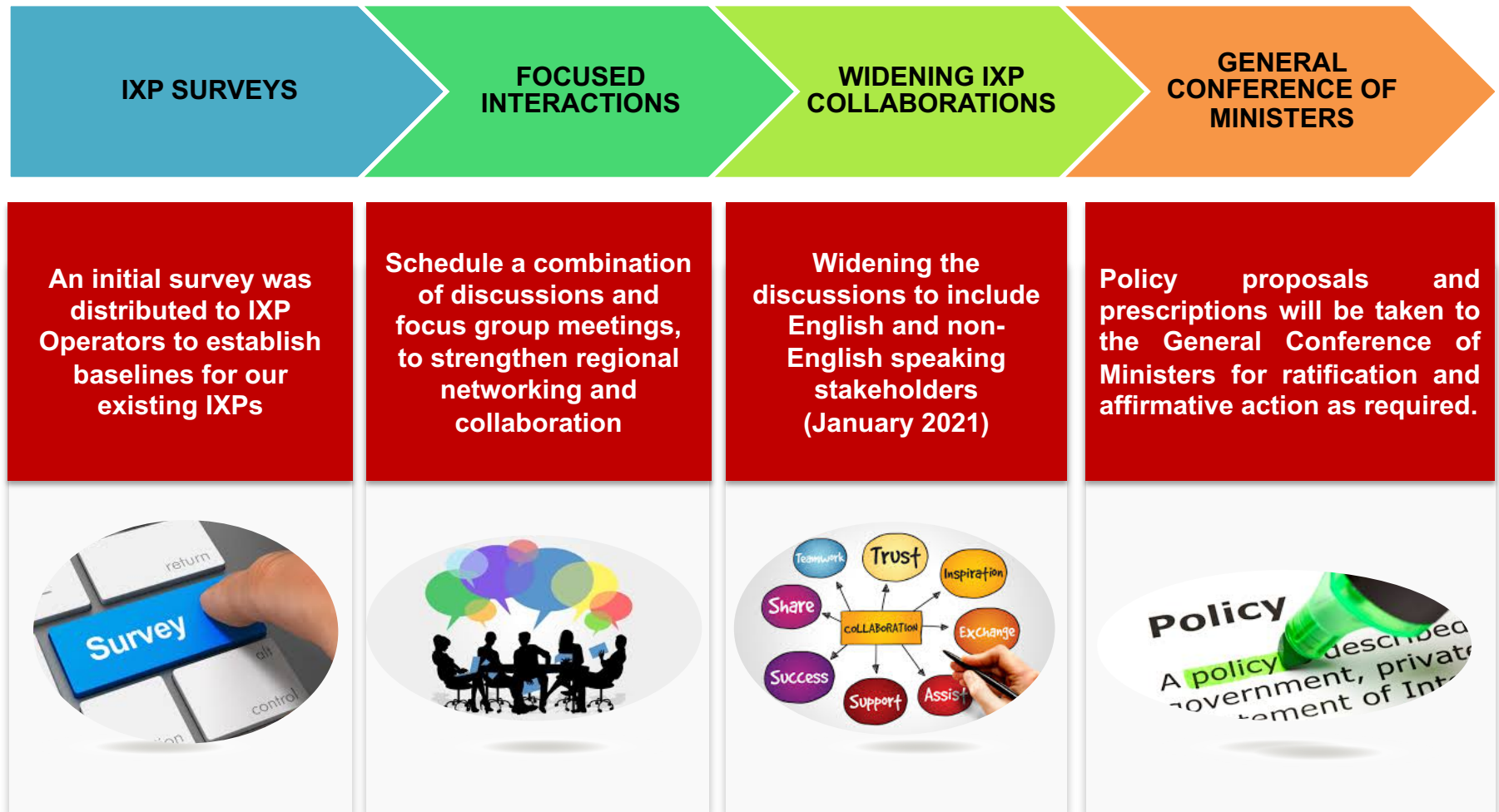


# Results-Based Measures of Impact on IXP:

**Q18: Please rate the extent to which you agree that any of the following will be beneficial for strengthening IXPs.**



# PROJECT STAGES & METHODOLOGY:



# *Joint 41<sup>st</sup> Executive Council and 23<sup>rd</sup> General Conference of Ministers*

## Caribbean IXP Proliferation and Enhancement Project

*Tuesday, September 22, 2020*