



S-100 Readiness in the SAIHC Region

(S 100 Coordinator- Mauritius)

GENESIS

IRCC 15
recommends
establishing
regional
S-100
coordinator

SAIHC
circular letter
01/2024
seeking
interests

Appointment
of interim
S-100
coordinator

VTC with
Chair of
SAIHC
MSDIWG

Qualitative
Survey to
Assess
Opportunities
and
Challenges



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QUALITATIVE ASSESSEMENT



SAIHC Letter No. 05/2024

04 July 2024

From: RAdm Angus Essenhigh, OBE
SAIHC Chair and UKHO National Hydrographer & Director of Data Acquisition and Defence

To: Members, Associate Members, Observers and the IHO Secretariat of the Southern African and Islands Hydrographic Commission (SAIHC)

Subject: SAIHC S-100 Questionnaire

Dear SAIHC Colleagues,

SAIHC Circular Letter 03/2024, announced the appointment of the Mauritius Hydrographic Service as SAIHC S-100 coordinator, subject to the formal approval during the plenary at SAIHC20. To progress this initiative an S-100 readiness questionnaire has been produced for each member state to complete. I have enclosed it with this letter.

As the Mauritius Hydrographic Survey will be compiling and providing analysis of the response, could members please respond directly via oiic_hydrounit@govmu.org for compilation and analysis of the responses.

QUALITATIVE SURVEY ON S-100 UNIVERSAL DATA MODEL TO ASSESS OPPORTUNITIES & CHALLENGES FOR MEMBER STATES OF SOUTHERN AFRICAN & ISLANDS HYDROGRAPHIC COMMISSION (SAIHC)

<u>Serial</u>	<u>Question</u>	<u>Answer</u>
1.	Organisation	
2.	E-Mail Address	
Existing Capability		
3.	Does your country have a dedicated national hydrographic office or equivalent agency?	
4.	Does your organisation currently produce and manage S-57 based products?	
5.	Is your organisation capable of collecting hydrographic data to update S-57 based products?	
6.	To what extent are S-57 data products currently used in	



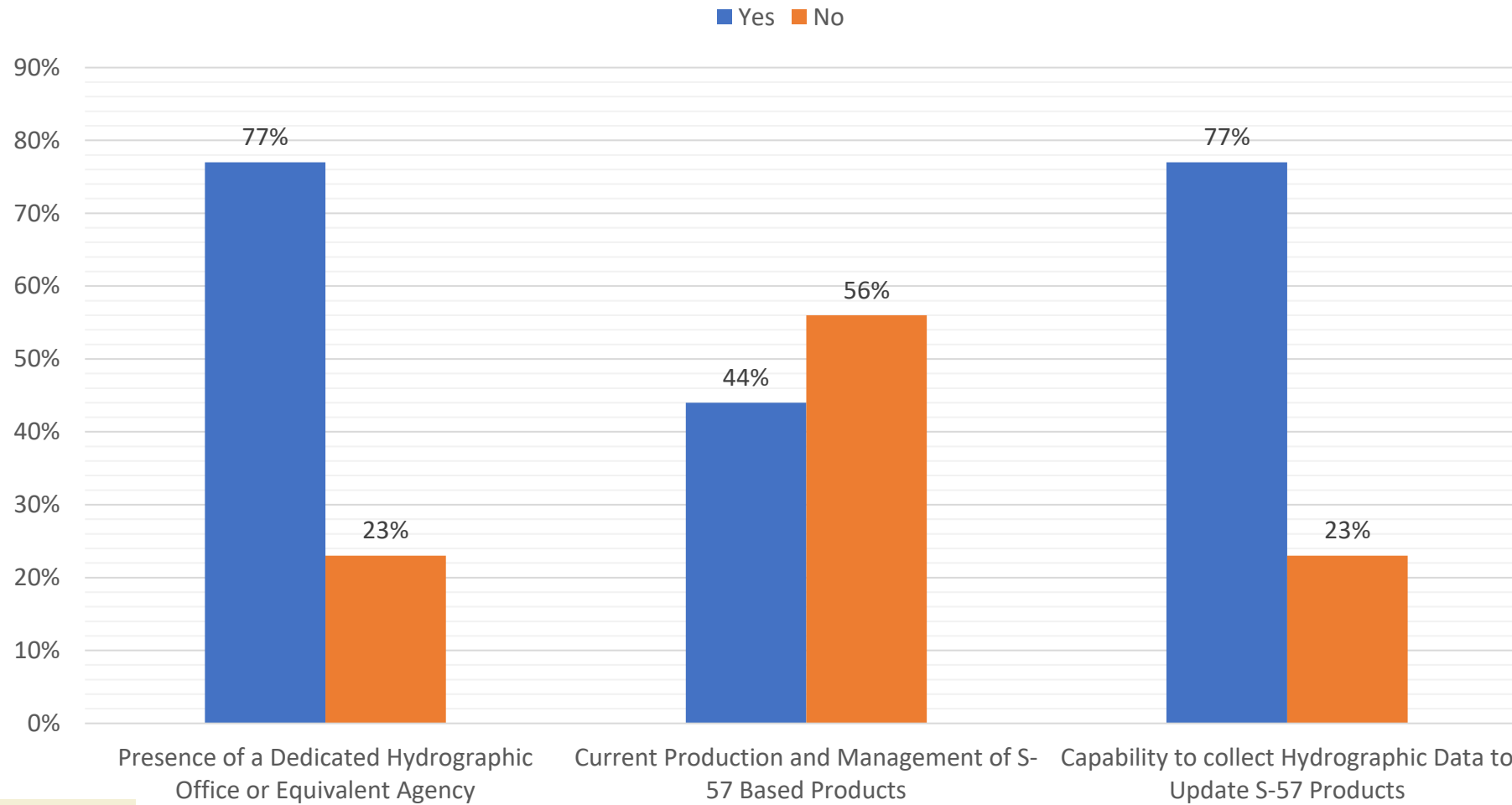
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ANALYSIS

Existing Capability



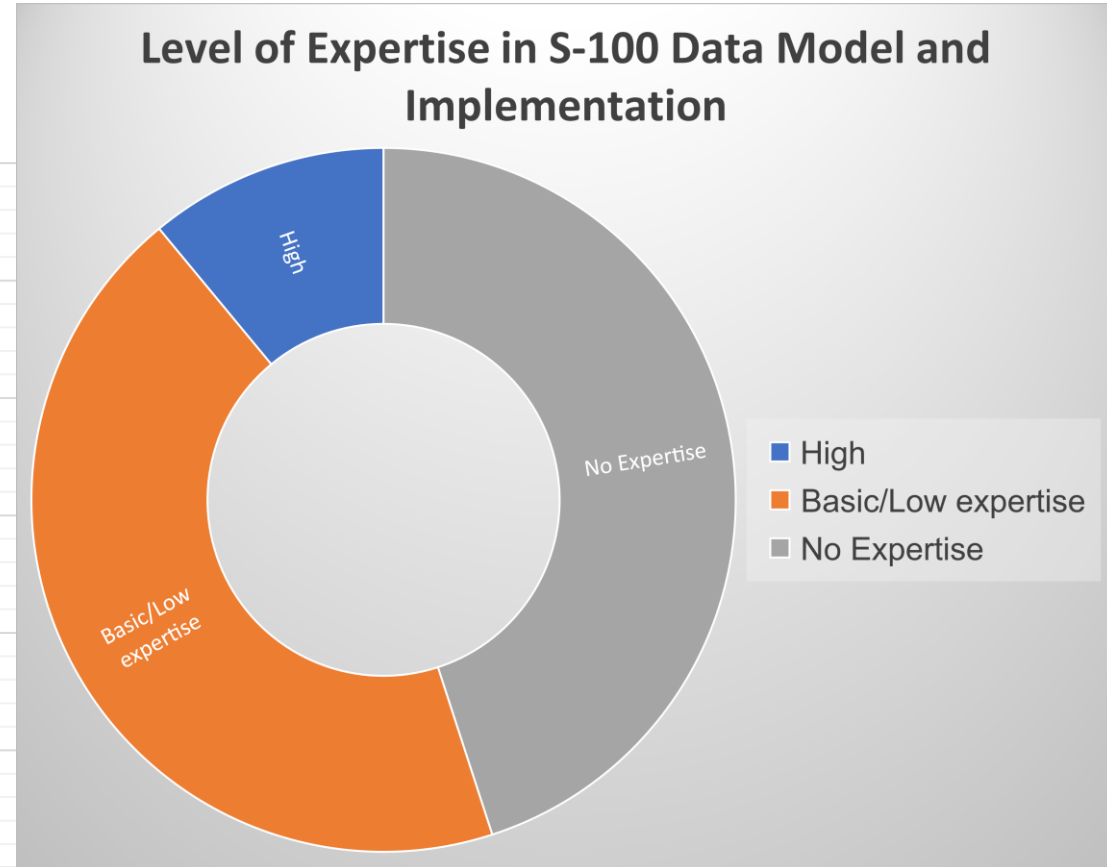
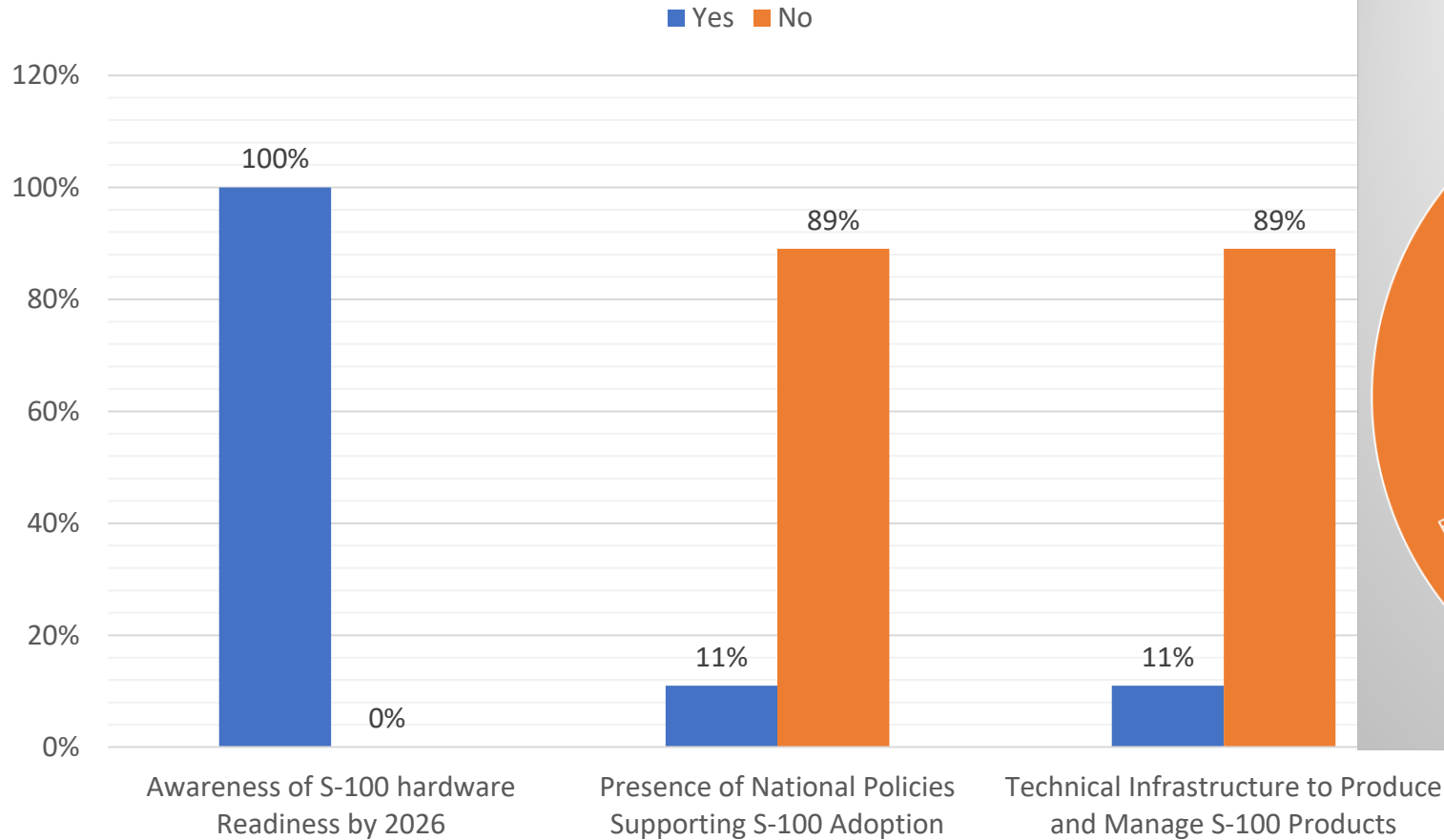
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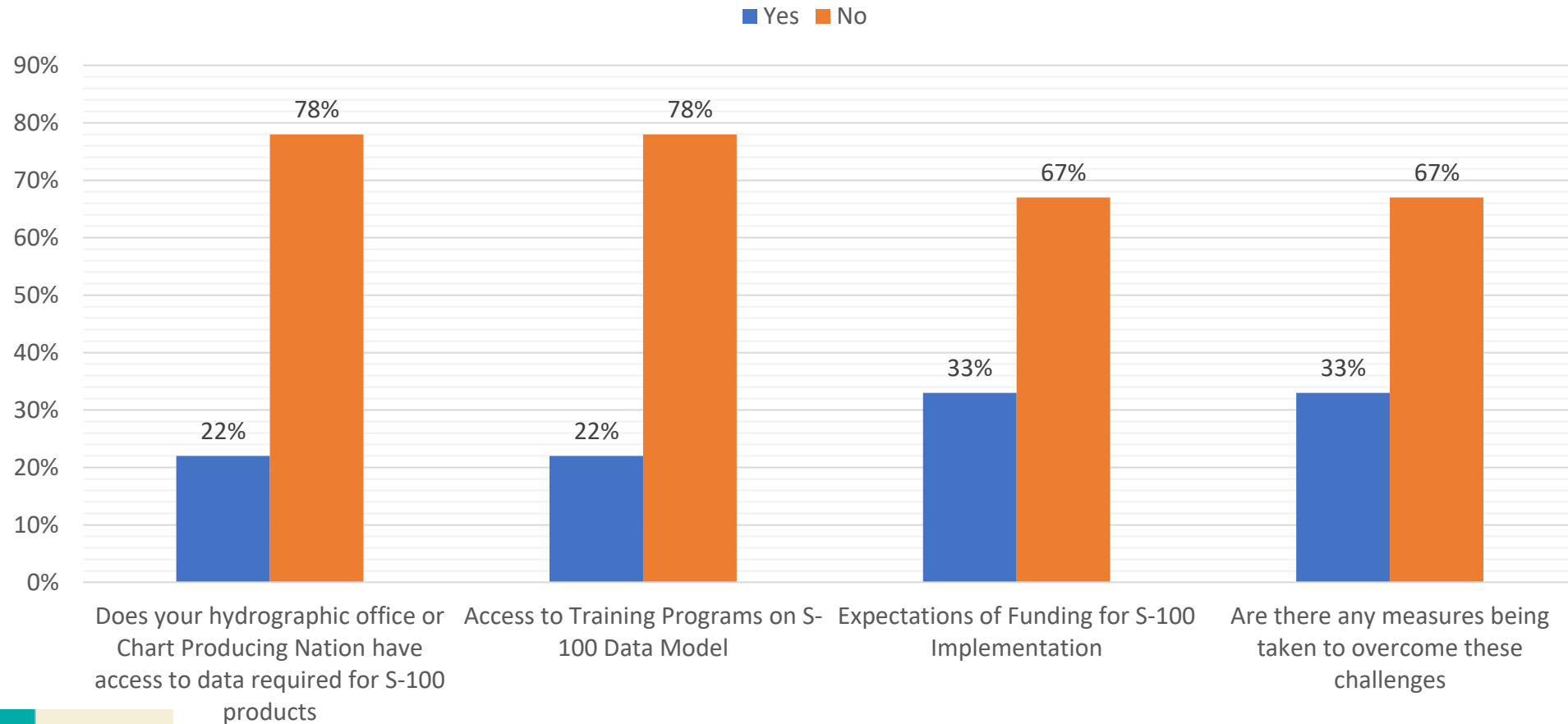
ANALYSIS

Status of Migration to S-100 Universal Model



ANALYSIS

Capacity Building Requirements for Migration to S-100



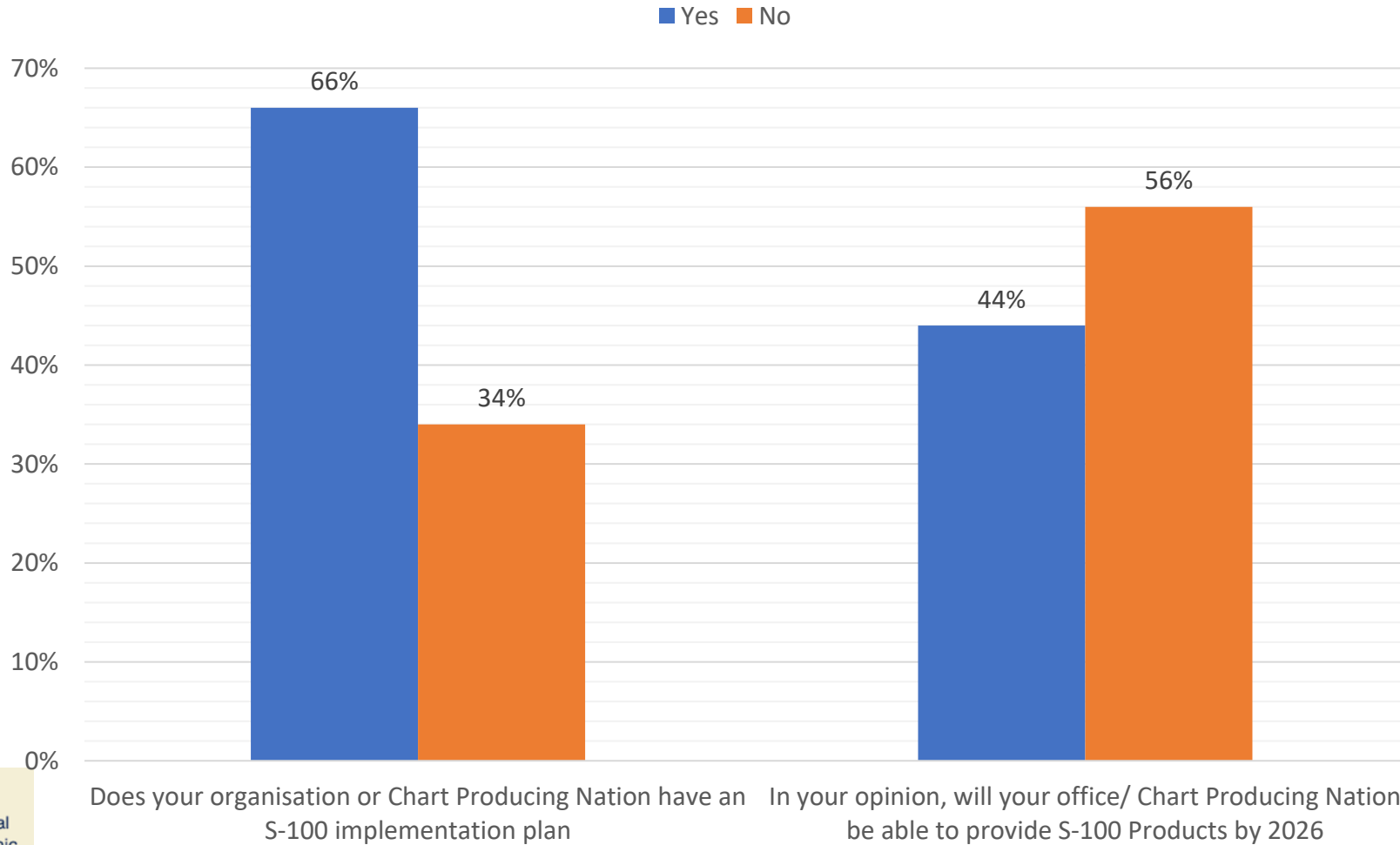
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ANALYSIS

S-100 Roadmap and Products



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INFERENCES

All respondents aware of the S-100 implementation timelines

Majority respondents currently not even producing S-57 products

Lack of national policies, technical infrastructure and training opportunities common barriers

Significant number of respondents uncertain of potential financial support

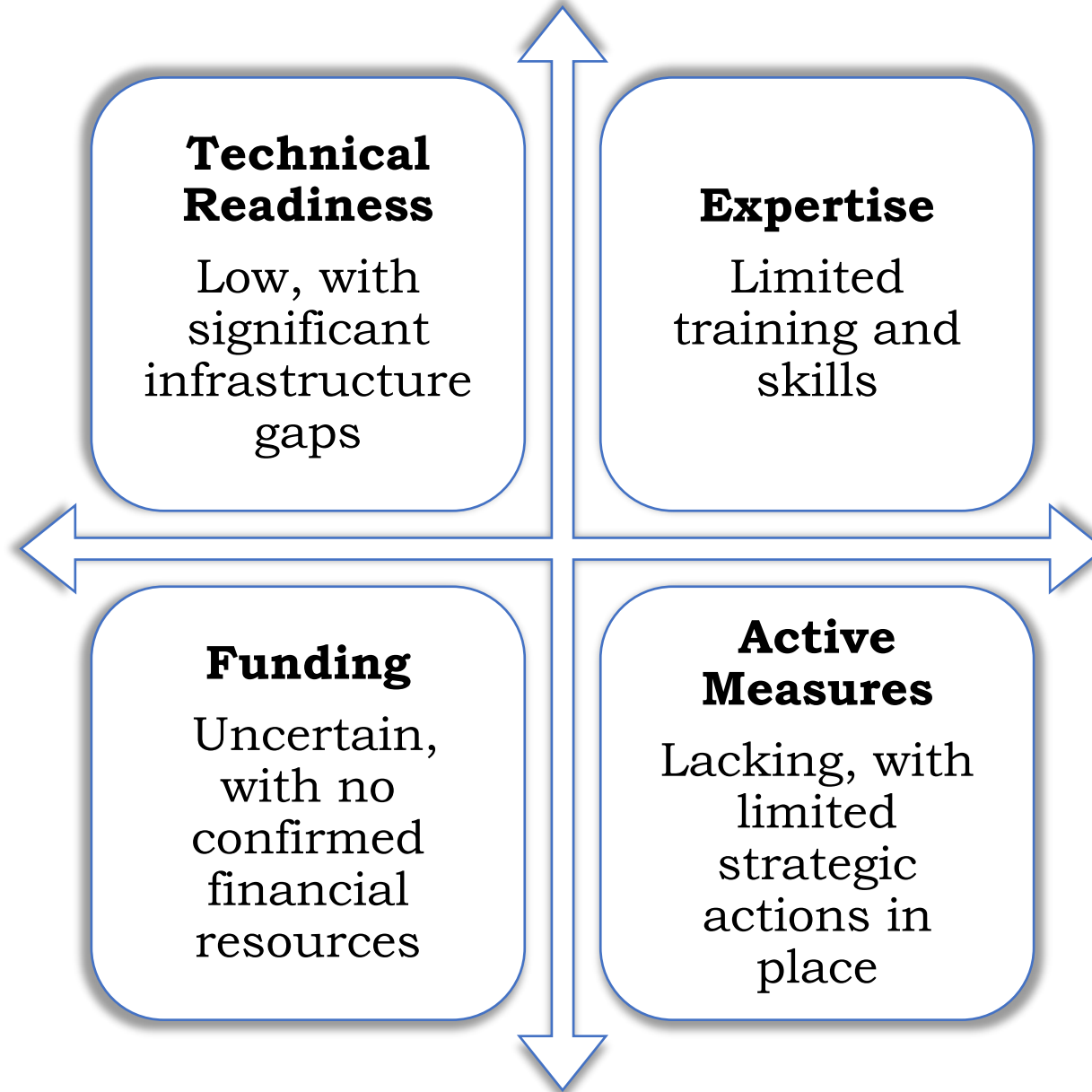


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OVERALL READINESS IN THE REGION



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CHALLENGES

Limited Existing Capabilities and Expertise

Limited Training through Capacity Building

Absence of Strategic Implementation Plans

High Dependence on External Support and Contractors

Inadequate Technical Infrastructure

Financial Constraints and Uncertain Funding

Insufficient Stakeholder Engagement and Coordination



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RECOMMENDATIONS

Draft national policies supporting S-100



Develop S-100 implementation plans



Participate in IHO activities



Engage with Chart Producer Nations



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RECOMMENDATIONS

Develop comprehensive training program



Leverage international capacity building programs



Create peer learning opportunities



Develop a shared resource model



Seek international grants and partnerships



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CONCLUSION

The transition to S-100 is an ambitious but necessary goal for the SAIHC region. While significant challenges remain, Hydrographic Offices need to find a pathway to overcome the technical, financial, and operational barriers currently impeding progress.



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ACTIONS REQUESTED FROM SAIHC20

SAIHC requested to note this presentation and the recommendations



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