



# National Action Plan on Reducing Maritime GHG Emissions

*National Task Force Meeting 1-2024*  
24 January 2024

# OVERVIEW

## Introduction Discussion



Need for NAP

Partnerships

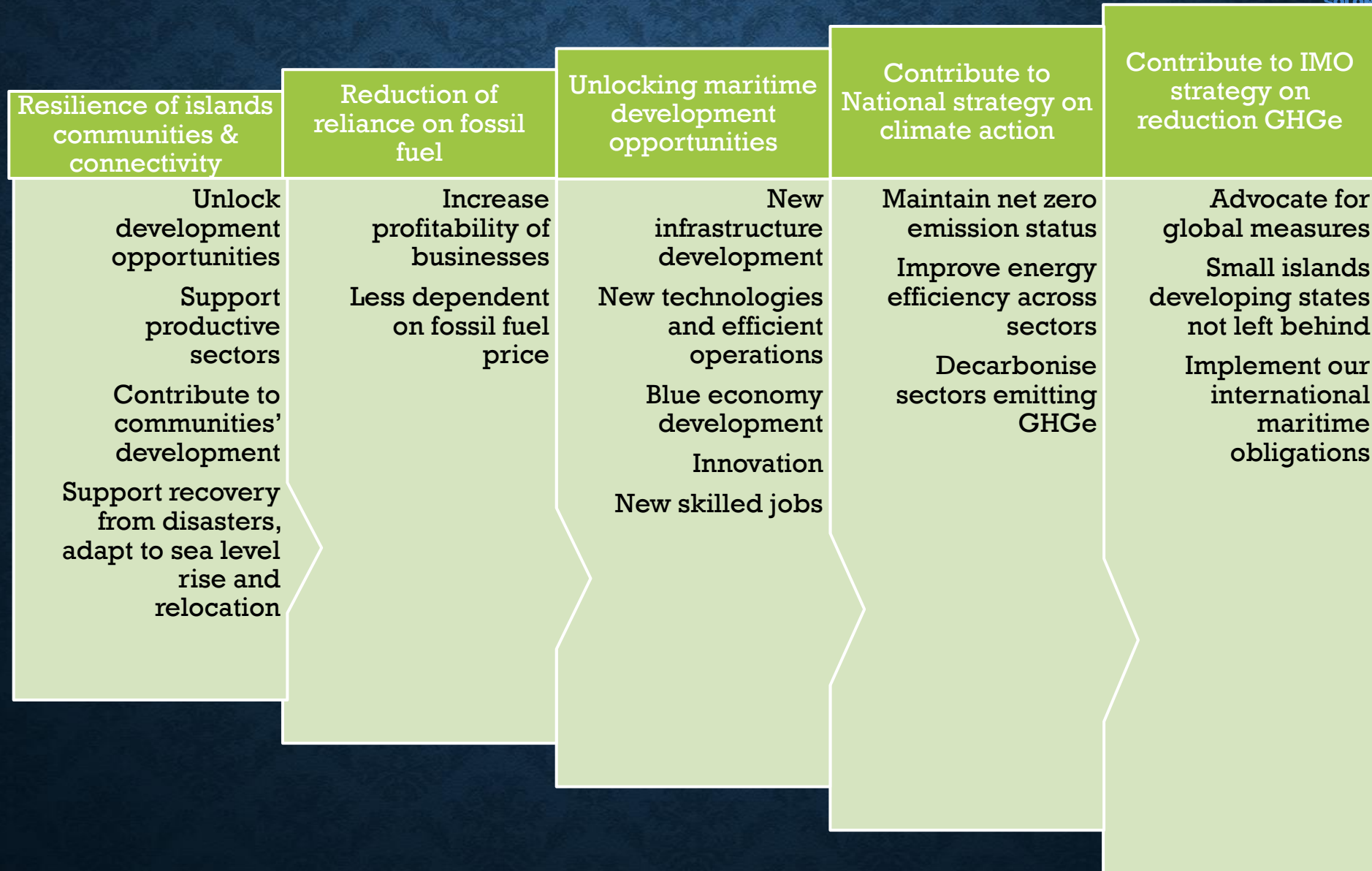
Rapid Assessment result



National Action Plan

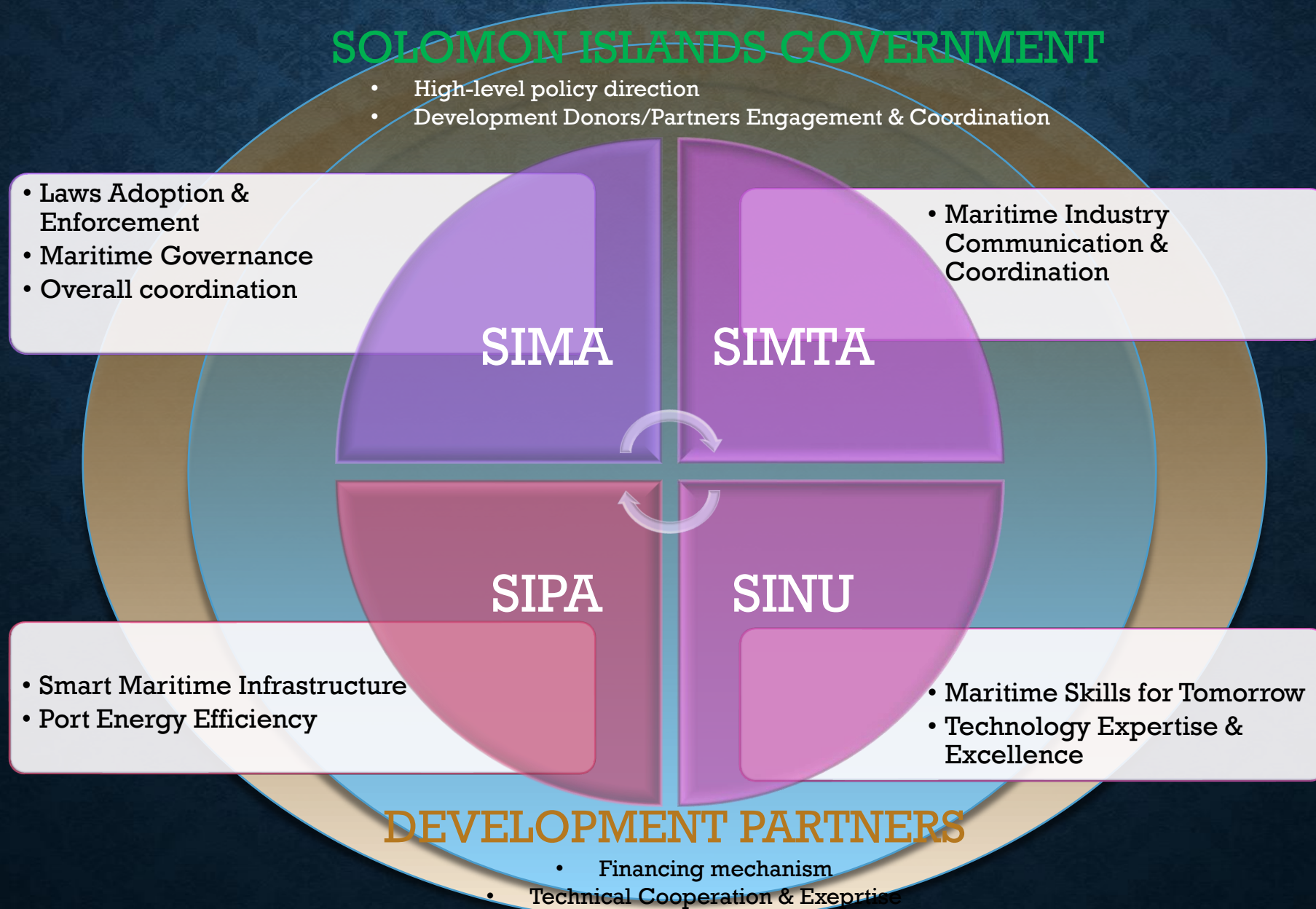
Q&A

# DETERMINING THE NEED FOR NAP





# THE PARTNERSHIPS WE NEED



# POLICY AND LAW

Build a more robust policy and law framework related to reducing maritime GHG emissions with reliable baseline and ambitious targets

OUTCOME	ACTION
Use the Solomon Islands legal framework compliant to international standards related to Ships energy efficiency and reduction to greenhouse gas emission	Accede to international instruments related to ship's energy efficiency.
	Amend/make subsidiary laws under the SIMA Act 2018 and the Shipping Act 1998 as amended, management/control of ship registration
	Accede to international instruments allowing consistent Port State Control measures and contributing to verification of implementation of ship energy efficiency standards on all foreign vessels in Solomon Islands;

# TECHNOLOGY IN OPERATIONS

Implement pilot projects to collect data, increase energy efficiency and uptake new technologies on board ships and in ports

OUTCOME	ACTION
<p>Ports and domestic ships in Solomon Islands to implement high operational efficiency measures and uptake new technologies based on accurate data collection</p>	<p><b>Engage with oil importers to get information and data on oil</b> used in the maritime sector.</p>
	<p><b>Extend the green port concept to other international ports and domestic ports</b> to continue <b>improve operational efficiency</b>, ship-port interface, just-in-time arrival, turnaround time and berthing management.</p>
	<p><b>Engage with manufacturers and suppliers</b> to <b>build their capacity</b> to import, install and maintain marine equipment and technologies.</p>
	<p><b>Partner with oil importers to collect and reconcile data and information</b> on the quantity of oil used by ships registered in Solomon Islands.</p>
	<p><b>Improve operational efficiency of domestic ships</b> and capacity of shipping companies to <b>operate on profitable business model</b></p>
	<p><b>Develop and implement pilot projects</b> using new marine technologies and operations to reduce GHG emissions from small crafts, domestic ships and international ships.</p>



# GOVERNANCE, PARTNERSHIP AND COORDINATION

Implement effective partnerships in Solomon Islands and with international partners to resource and provide expertise on reduction of GHG emissions from ships



OUTCOMES	ACTION
Robust partnerships are in place between stakeholders to exchange information and prioritize projects for climate mitigation in maritime	<b>Strengthen the Solomon Islands Maritime Transport Association</b> as representing the interest of the entire shipping industry and as a core partner to <b>support commitment and achieve targets related to ship energy efficiency</b> and <b>reduction of GHG emissions</b> from ships.
	<b>Develop partnerships and implement projects</b> to support maritime training and education at SINU to <b>develop capacity in climate mitigation and technology uptake</b> in the maritime sector.
	<b>Establish a core and extended partnerships</b> between national agencies and with development partners to oversee the delivery of shipping services and the connectivity with port infrastructure.
	<b>Develop a coordination mechanism among national agencies</b> to share information related to international vessels in Solomon Islands waters.
	<b>Strengthen cooperation</b> and <b>coordination</b> of efforts with the Ministry of Environment, Climate Change, Disaster Management and Meteorology including the exchange of data and information and report progress in implementing policies and strategies.
Robust finance mechanism are in place to allow investment by ship owners in operational efficiency measures and technologies	<b>Mobilize resources and establish arrangements to secure and increase presence of Solomon Islands</b> to regional and international meetings and negotiations to advocate for reduction of greenhouse gas emissions and access appropriate financing
	<b>Develop proposals and mobilise resources</b> and technical cooperation from development partners to conduct <b>pilot projects on uptaking new marine technologies</b> and operations to reduce GHG emissions from small crafts, domestic ships and international ships.

# CAPACITY AND SYSTEMS



Develop capacity in Solomon Islands to operate and maintain energy efficient ships and ports

OUTCOME	ACTION
Public and private stakeholders have capacity systems and standards to install, maintain use and inspect operational and technology measures onboard ships	<b>Build capacity, systems and procedures at SIMA</b> to enforce laws and standards related to ship safety and energy management, pollution prevention and low-carbon technologies on board domestic ships.
	build capacity, systems and procedures at SIMA and SIMA-MFMR coordination to <b>implement PSC control measures under regional agreements.</b>
	<b>Mobilize resources and establish</b> arrangements to secure and increase presence of Solomon Islands at IMO, <b>build capacity to contribute to international meetings</b> and negotiations and access financing mechanism supporting Solomon Islands commitments and strategies.
	<b>Engage with manufacturers and suppliers</b> to build their capacity to import, install and maintain marine equipment and technologies.
	<b>Build capacity and systems of SIMA and shipping companies</b> to <b>collect and analyze data</b> on fuel oil consumption and track domestic ships in Solomon Islands waters.
	<b>Build capacity and systems of border security agencies</b> to <b>track all foreign vessels in Solomon Islands</b> waters, exchange information and conduct port state control inspections.
	build capacity, systems and procedures at SIMA and SIMA-MFMR coordination to <b>implement PSC control measures under regional agreements.</b>
	<b>Upgrade of SINU's maritime college infrastructures</b> , equipment and trainings material to deliver trainings to seafarers on ships operational efficiency and new technologies



# PROJECT DEVELOPMENT AND IMPLEMENTATION

**Develop proposals and mobilise resources** and technical cooperation from development partners to conduct **pilot projects on uptaking new marine technologies** and operations to reduce GHG emissions from small crafts, domestic ships and international ships

**Develop and implement pilot projects** using new marine technologies and operations to reduce GHG emissions from small crafts, domestic ships and international ships.

**Develop partnerships and implement projects** to support maritime training and education at SINU to **develop capacity in climate mitigation and technology uptake** in the maritime sector.

	PROJECTS	
1.	Upgrade policy and law framework	<i>Accede to MARPOL Protocol 1997 (Annex VI)</i> <i>Adopt maritime order on ship energy efficiency and air pollution in POLFUND</i> <i>Adopt baseline and targets to reduce GHG emissions</i>
2.	Energy efficiency of domestic ships	<i>Fuel oil consumption monitoring and ship tracking system</i> <i>Maintenance of domestic ships</i> <i>Domestic port operational measures</i>
3.	Operational efficiency of domestic shipping	<i>Study on domestic shipping arrangements</i> <i>Shipping business operational efficiency (carriage of cargo and passenger)</i>
4.	Capacity development	<i>Upgrade infrastructure, equipment and curricula of the maritime college</i> <i>Specialised trainings on new technologies (installation, maintenance and use)</i>
5.	Technology uptake	<i>Retrofit of existing vessels</i> <i>Development of new concept vessels</i>
6.	Fleet replacement and financing	<i>Develop fleet replacement programme</i> <i>Blended finance mechanism</i>
7.		
8.		



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