

Marine Technology Global Challenge Launch

WELCOME!

The workshop will start in a moment



IMOCARES

COORDINATED ACTIONS FOR THE REDUCTION
OF EMISSIONS FROM SHIPS



The IMO CARES Foundation Project is funded by the Kingdom of Saudi Arabia and is implemented by IMO

الهيئة العامة للنقل
TRANSPORT GENERAL AUTHORITY

نقلًا للمستقبل TRANSPORT FOR FUTURE



IMO CARES

Coordinated Actions to Reduce Emissions from Shipping

AGENDA

- 10:00 Agenda & introduction
- Welcome remarks
- What is IMO CARES and what is the Global Challenge?
- Introducing the MTCCs and regional challenges and opportunities
- Next steps and how to get involved
- Q & A
- 11:00 Conclusion

Zoom Workshop Etiquette

Remain Muted
Until Required



Limit External
Distractions



Ensure Sufficient
Bandwidth



Utilize the Chat
and Q&A



Be Respectful
Be Courteous



Enjoy the Workshop



IMO CARES GLOBAL CHALLENGE

COORDINATED ACTIONS TO REDUCE EMISSIONS FROM SHIPPING

LAUNCH EVENT – JULY 2023

ANTON RHODES - DEPARTMENT OF PARTNERSHIPS AND PROJECTS (DPP)



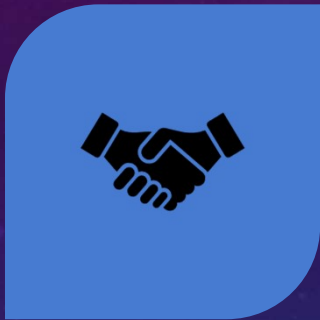


'No country is left behind'

THE CARES OBJECTIVE

- Accelerate tech demonstration, diffusion and uptake to achieve maritime decarbonization in developing countries

IMO CARES: KEY ACTIVITIES



NETWORKING EVENTS



TECHNOLOGY REPORT



GLOBAL CHALLENGE

GLOBAL
CHALLENGE:
KEY FOCUS



Technology identification



Domestic vessels and ports



Most vulnerable countries
(SIDS & LDCs)

THE TIMELINE

1

Identification and
announcement of Tech
Challenges
July - Sept

2

Submission of concepts
Oct - Nov

3

Review and selection of
winners
Dec - Jan

KEY CRITERIA FOR CONCEPTS

- Impact on GHG reduction
- Impact on vessel / ports operational costs
- Cost of technology (in project budget?)
- Cost of installation (in project budget?)
- Installation time (how easy? How hard?)
- Maintenance of tech after installation (how easy? / how hard?)
- Scalability (could the tech be applied to much larger number of vessels / ports?)



GLOBAL CHALLENGE: KEY PARTICIPANTS





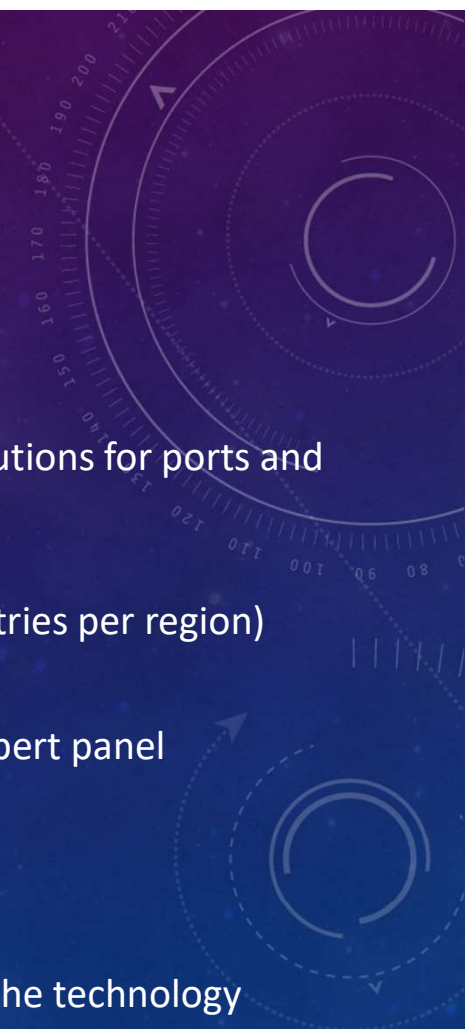
WHY PARTICIPATE?

The winners will.....

- Receive between **US\$ 15K - 30k** to develop full Technical Proposal
- Work with IMO and local partners
- Global promotion of the technology
- Possibility to open new markets for technology
- Support most climate vulnerable countries
- In-region demonstration of the technology under separate IMO / EC Project (budget allocation of between **US\$ 500K – US\$ 1M**)



SUMMARY

- Focus on energy efficiency technology solutions for ports and / or small vessels (under 5,000 gt)
 - Focus on Africa and the Caribbean (2 countries per region)
 - 2 – 4 winning concepts to be chosen by expert panel
 - Funding for development of full proposal
 - Funding (under separate IMO project) for the technology demonstration
- 

GMN – The Global Maritime Network



GMN | The Global MTCC Network
A global network for energy-efficient shipping

AN ESTABLISHED GLOBAL NETWORK TO SUPPORT IMO'S INITIAL GHG STRATEGY THROUGH CAPACITY BUILDING AND TECHNOLOGY TRANSFER IN DEVELOPING REGIONS



MTCC-CARIBBEAN **MTCC-AFRICA** **MTCC-ASIA**

MTCC-LATIN AMERICA

MTCC-PACIFIC



IMO INTERNATIONAL MARITIME ORGANIZATION

Project funded by the EUROPEAN UNION

Shipping in the Caribbean Region: Pilot Demonstration Projects Technology Needs & Focus

Vivian Rambarath-Parasram
Director & Head
MTCC Caribbean



MTCC CARIBBEAN
Maritime Technology Cooperation Centre






Ports

-  R&D and uptake of Low-Carbon Technologies
-  Climate Resilient Infrastructure
-  Infrastructure for Green Energy Mix
-  Emissions Inventory, Data & Monitoring Systems
-  Capacity Building & Technology Transfer

Key Focus Areas



Vessels

-  Addressing Ships Emissions
-  Energy Efficient Technology Uptake
-  Green Energy Integration
-  Data Gaps and Data Sharing
-  Capacity Building & Training



IMO Projects

TEST Biofouling

- Training and Capacity Building (Knowledge and Skills Transfer)
- Needs analysis
- Technology Demonstration (National and Regional)
- Inform decision makers of Policy/ Legal framework on Biofouling Management
- Develop a network of Partnerships within the region

GMN Phase II

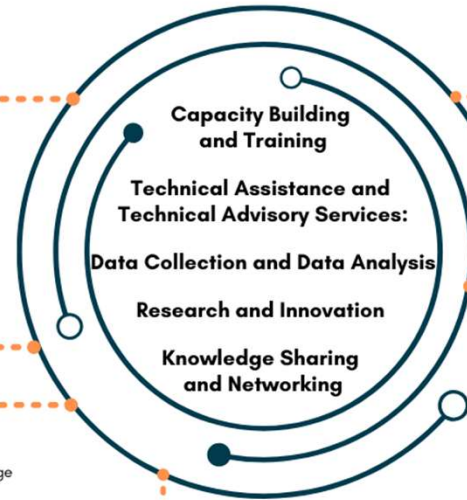
IMO CARES

- Capacity Building
- LPIR gaps/barriers
- Maritime Climate Change
- IMO GHG Strategy
- Regional Needs
- Domestic Pilot Projects

MTCC Projects

IMO CARES

Coordinated Actions to Reduce Emissions from Shipping



IDB Upcoming Projects

- Collaborations between IDB/ MTCC/UTT/CCREE with CARICOM on:
 - CII Impacts on the Caribbean
 - Regulatory Gaps for Decarbonisation in the Caribbean

GHG Inventories

- Undertake inventories to inform Energy management plans
- Guide decision-makers and inform intervention strategies
- Guide decision-makers and Intervention Strategies

Countries

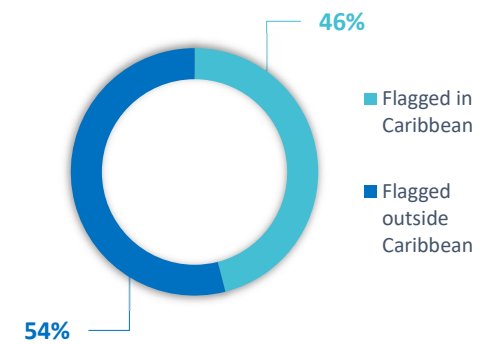
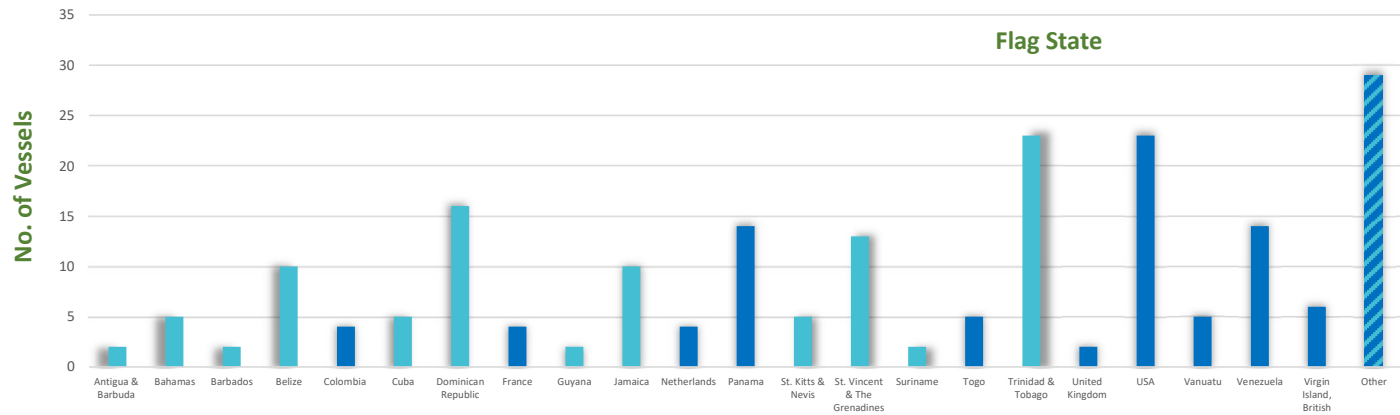
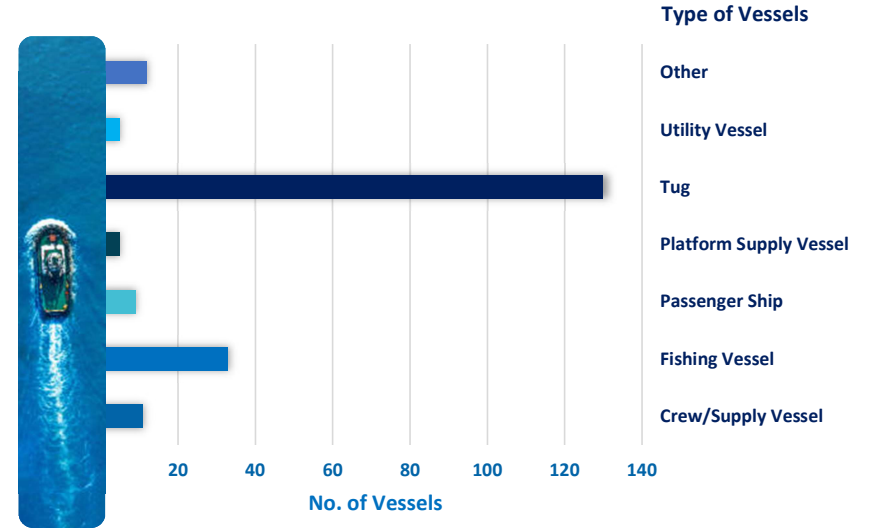
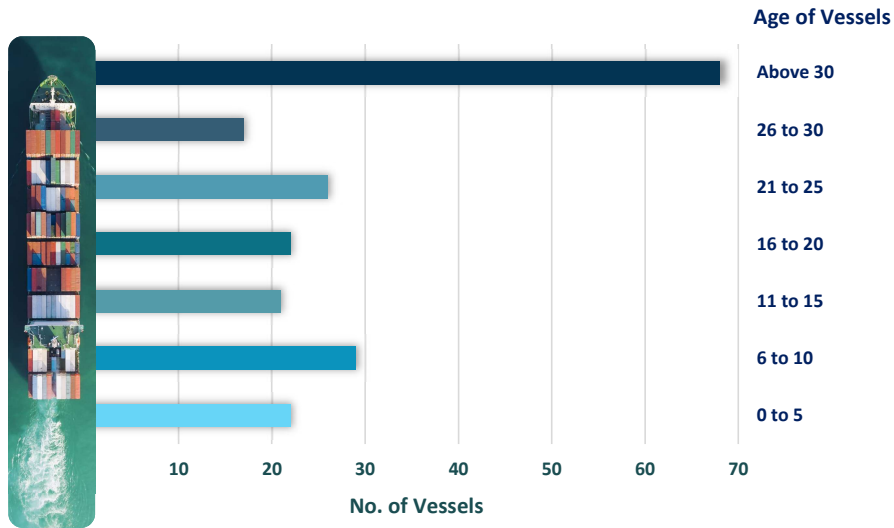
- CARIFORUM
- CARICOM
- Caribbean Region
- PCs: Jamaica, Argentina, Suriname, Panama & Chile. - LPCs - Brazil, Ecuador, Mexico, Peru

MTCC Participation



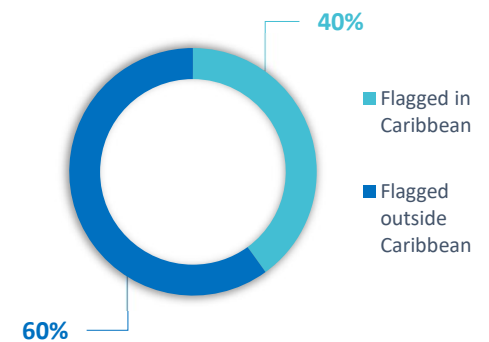
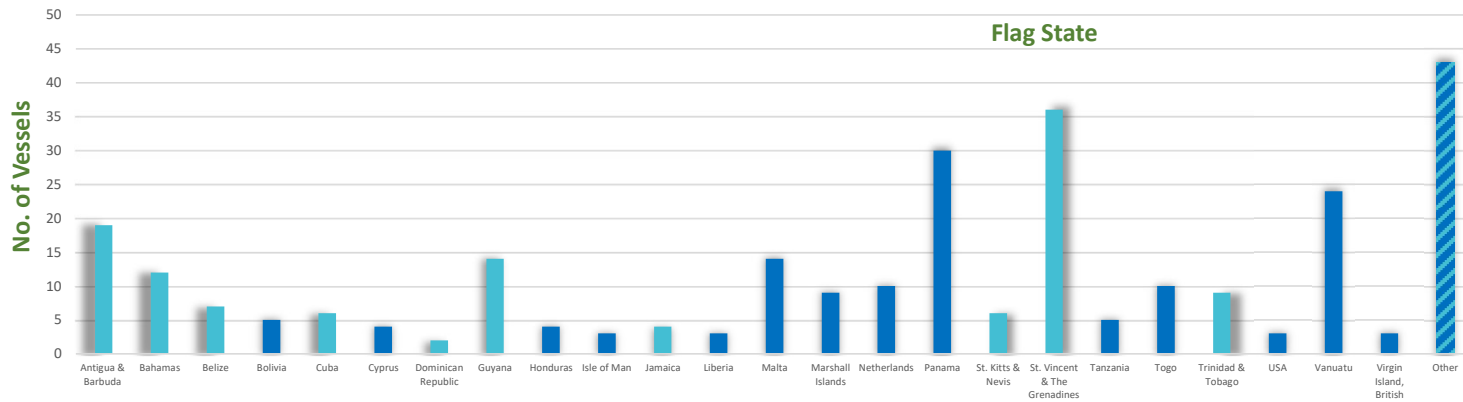
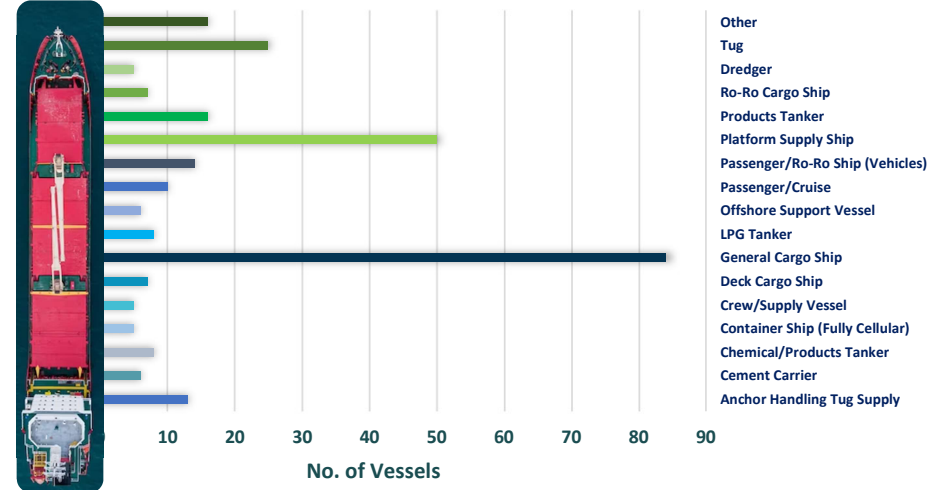
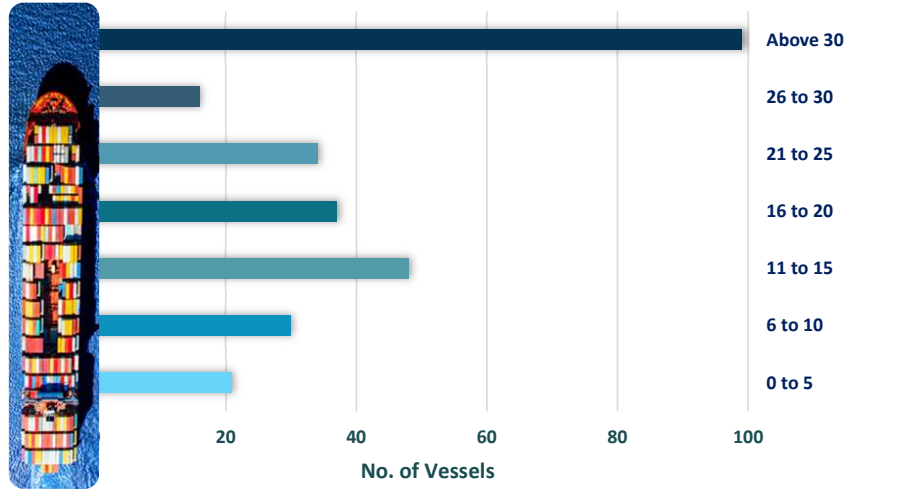
Sample Size - 205 Vessels (Jan to Jun 2023)

Vessels' Profiles - Under 400 GT

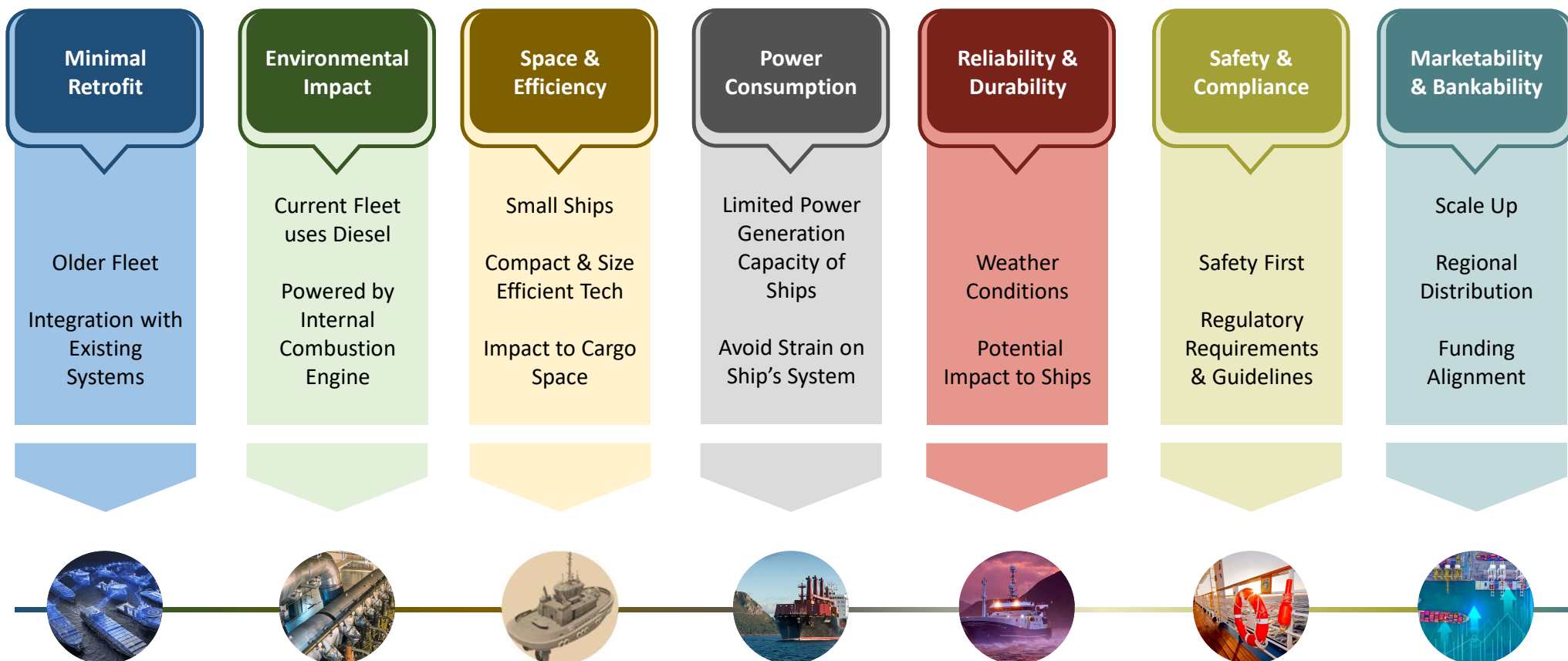


Sample Size - 285 Vessels (Jan to Jun 2023)

Vessels' Profiles - 400 GT to 5000 GT



Factors to Consider for Technology Uptake & Demonstration





MTCC CARIBBEAN
Maritime Technology Cooperation Centre



INTERNATIONAL
MARITIME
ORGANIZATION



www.u.tt/mtcc-caribbean



mtcc@utt.edu.tt

SUSTAINABLE DEVELOPMENT GOALS

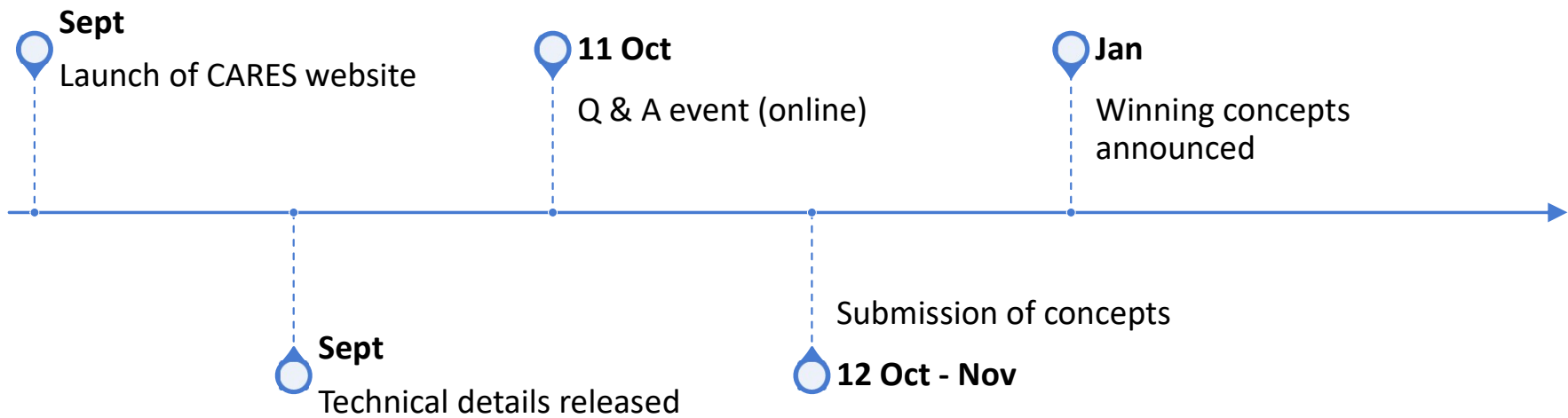
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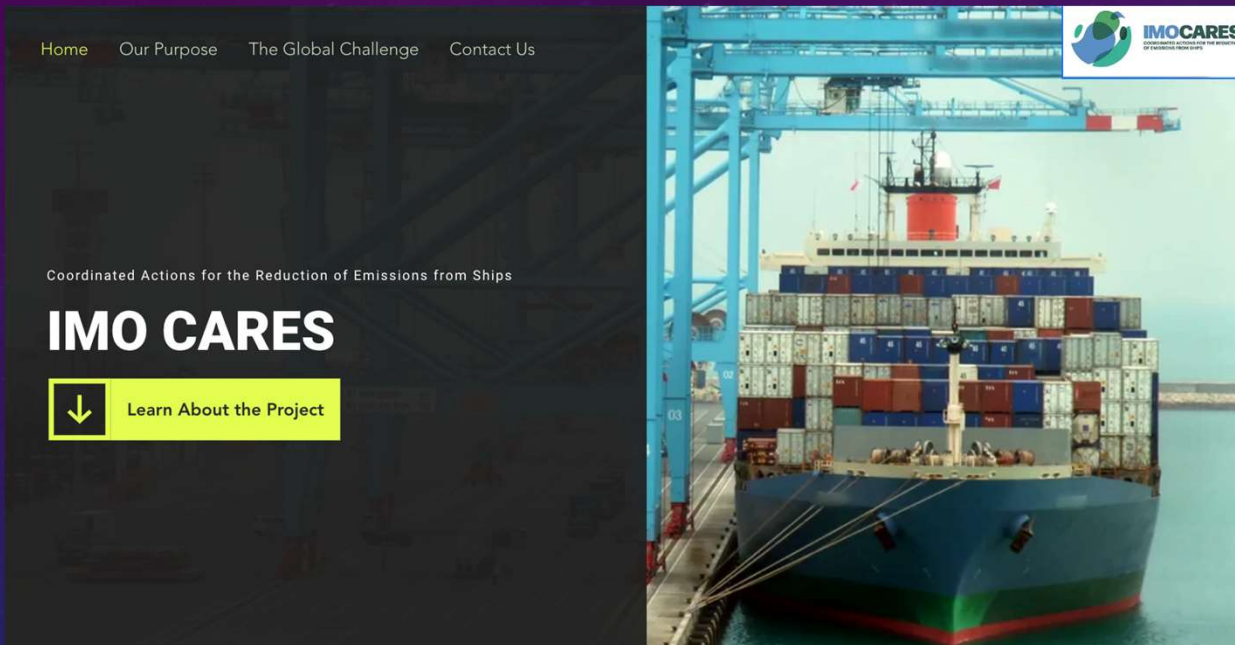


<p>1 NO POVERTY</p>	<p>2 ZERO HUNGER</p>	<p>3 GOOD HEALTH AND WELL-BEING</p>	<p>4 QUALITY EDUCATION</p>	<p>5 GENDER EQUALITY</p>	<p>6 CLEAN WATER AND SANITATION</p>
<p>7 AFFORDABLE AND CLEAN ENERGY</p>	<p>8 DECENT WORK AND ECONOMIC GROWTH</p>	<p>9 INDUSTRY, INNOVATION AND INFRASTRUCTURE</p>	<p>10 REDUCED INEQUALITIES</p>	<p>11 SUSTAINABLE CITIES AND COMMUNITIES</p>	<p>12 RESPONSIBLE CONSUMPTION AND PRODUCTION</p>
<p>13 CLIMATE ACTION</p>	<p>14 LIFE BELOW WATER</p>	<p>15 LIFE ON LAND</p>	<p>16 PEACE, JUSTICE AND STRONG INSTITUTIONS</p>	<p>17 PARTNERSHIPS FOR THE GOALS</p>	

NEXT STEPS



WEBSITE UPDATE



- Updates on our networking events
- Register to join our Knowledge Network
- Updates on the Global Challenge
- Register to join CARES events
- Updates on the Technology Report
- Submission of concepts
- A centre for info on tech deployment in developing regions
- Links to other initiatives and projects