



Project Joint Maritime Information and Coordination Centre (‘JMICC’)

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Joint Maritime Information and Coordination Centre



– Upfront:

- The JMICC is a testbed [of a] concept with its ultimate Objective *or* End State [the “Vision”] to establish a modern Puntland Situation Centre (SITCEN) in Garowe
- Purely conceptual approaches towards the aspired End State need a ‘material’ dimension to visualise the concept; and test and validate the various internal and external processes involved in a context and culturally specific environment:
 - The JMICC in Garowe and the Coastal Reporting Nodes represent the “physical & material dimension” towards the aspired End State, realizing the Vision
 - The teaching, training and the mentoring, *and* the experiences gained provide [insights into to] the “human dimension” needed to operationalise the Vision



JMICC 'Standing Banner' (cut in the middle to fit slide)



The JMICC is a new Puntland Government Agency established to improve the sharing and utilisation of information to counter maritime crimes

Vision

To evolve into a globally connected National (Puntland) Situation Centre providing high-grade information and advice to influence Maritime Governance policy development; and support Government decision making processes during incidents, accidents, disasters and crisis management.

Embrace comprehensive inter-agency cooperation to counter future regional risks and threats.

Mission (2019 – 2020)

The JMICC will:

- Provide timely and factual information to Government Institutions and Agencies;
- Build a network of Somali and External Entities to support research, analysis and dissemination of timely, accurate and fact-based information;
- Monitor local, regional and international news and provide 'alerts' in order to support the information requirements of all beneficiaries necessary to plan and conduct their tasks in a safe and expedient manner, within the Rule of Law;

"Encourage Blue Economy Thinking"

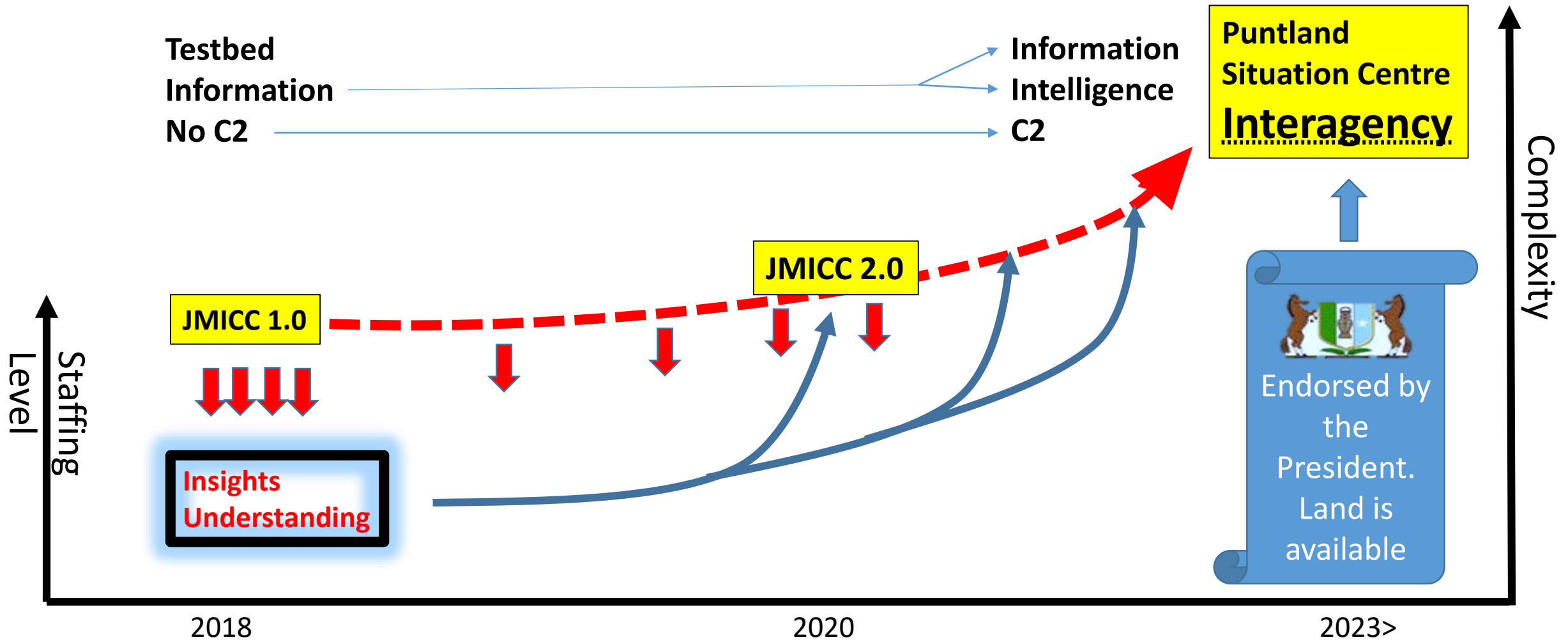


The JMICC is established with support from EU CAP Somalia





Vision for gradual transition and development





Project Joint Maritime Information and Coordination Centre (JMICC) – key points:



- **Political-Strategic Objective**: support achieving effective Maritime Governance
- **Tactical Objective**: contribute to achieving persistent (coastal) safety and security through improved shared awareness and rapid, factual information exchange; support decision making for cost-effective and efficient tasking of scarce maritime law enforcement capabilities (afloat); and as well LEA in the coastal areas on land
- **Precursor** (i.e. testbed) for an Interagency Puntland Situation Centre
- **Critical Enabler and Catalyst** for future major infrastructural development and resource generation through the exploitation of the ‘Blue Economy’ potential
 - Nexus security and development: enhancing productivity, sustaining economic recovery, boosting inclusive growth and promoting poverty reduction in Somalia.
 - Mitigate as much as possible risks and threats that discourage investment
- **Offset strategy** in view of limited indigenous sea-going law enforcement capabilities
 - Achieve operational effectiveness through targeted and collaborative “information operations”

JMICC Local, Regional, Global Connectivity



**External Organisations
Agencies and Actors
(Regional – Global)**

**Law Enforcement
Agencies**

**Other PL
Ecosystems**

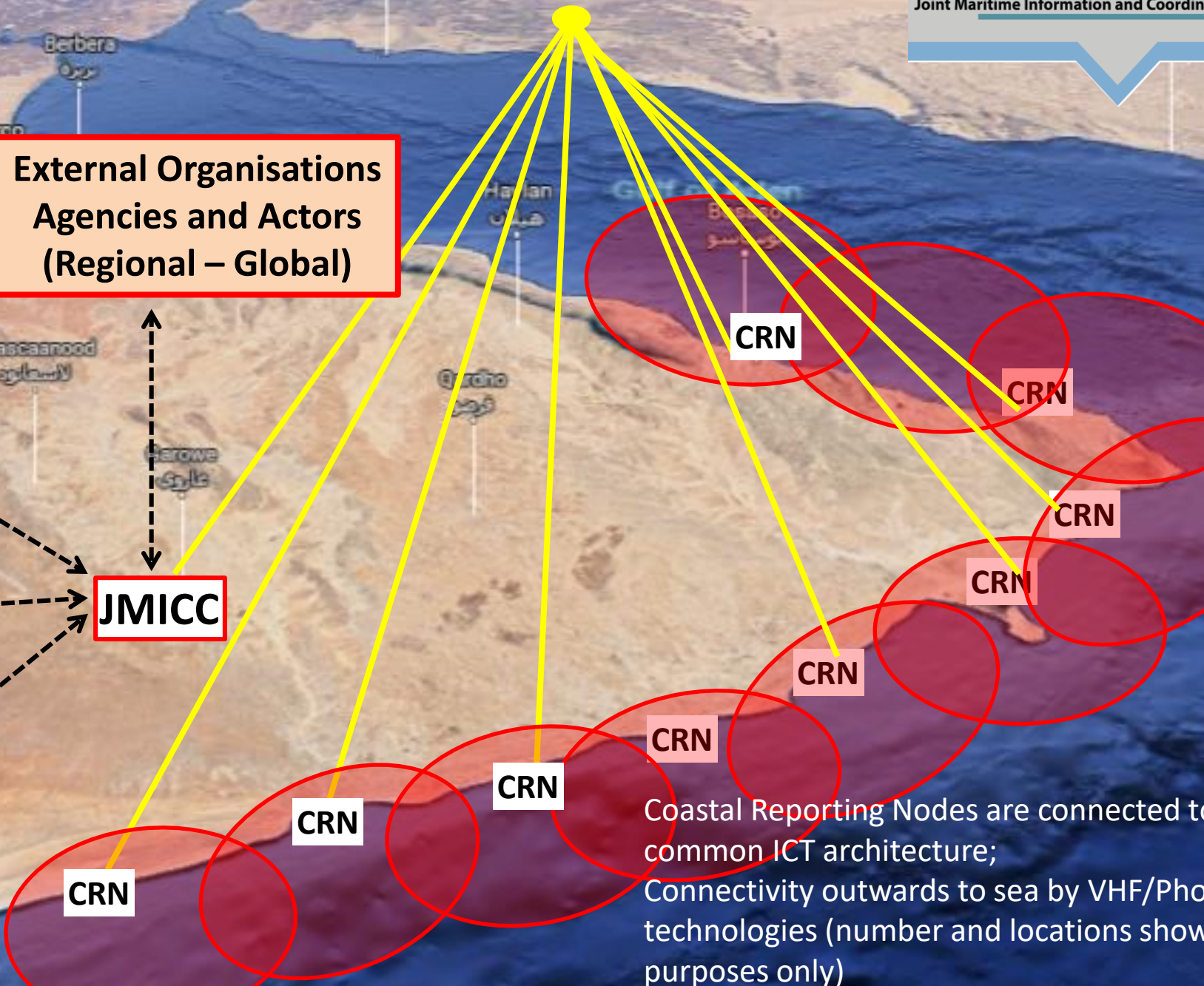
**Other PL
Ecosystems**

**Stakeholder
Ministries**

**Other PL
Ecosystems**

**Disaster
Management
Agencies**

JMICC

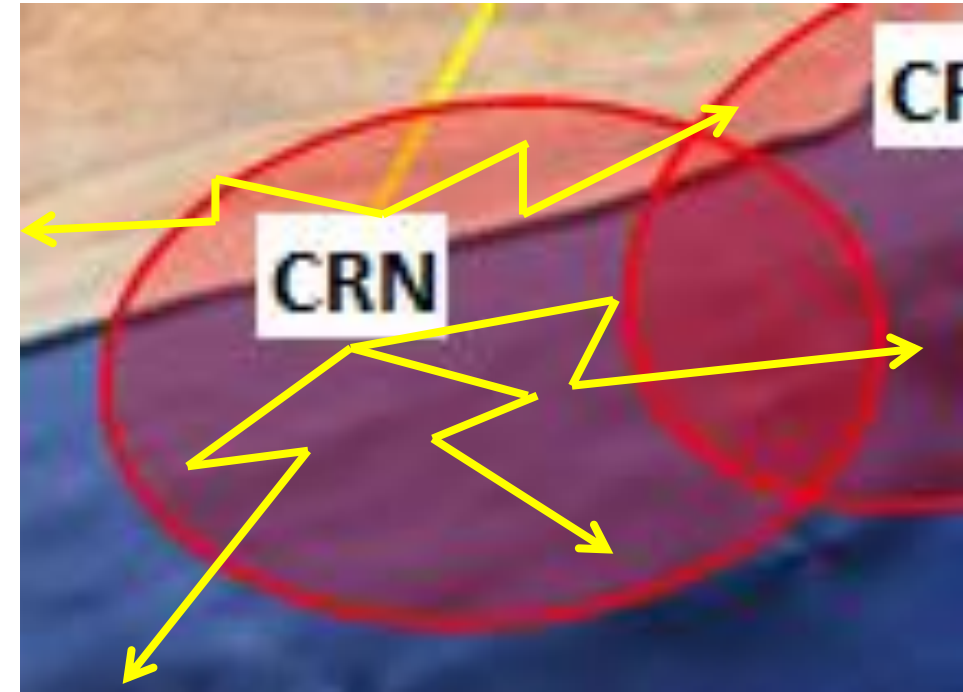


- Locations for CRN:**
- Bosasso
 - Qandala
 - Caluula
 - Bargaal
 - Hafun
 - Bander Beyla
 - Eyl
 - Garaad
 - Other as recommended*

Coastal Reporting Nodes are connected to the JMICC in a common ICT architecture;
Connectivity outwards to sea by VHF/Phone / emerging technologies (number and locations shown for illustrative purposes only)

Challenging Issues – Engineering assured Data Exchange in the Coastal Areas out to at least 12NM*

- The necessary hardware is ‘COTS’ available; no excessive pricing
- Issues to be addressed:
 - “Legacy” or more technologically advanced
 - Licences and frequency allocation for radio equipment
 - Delivery to Puntland and CRNs
 - Installation, upkeep and running costs
 - Procedural Training / TOT with Police

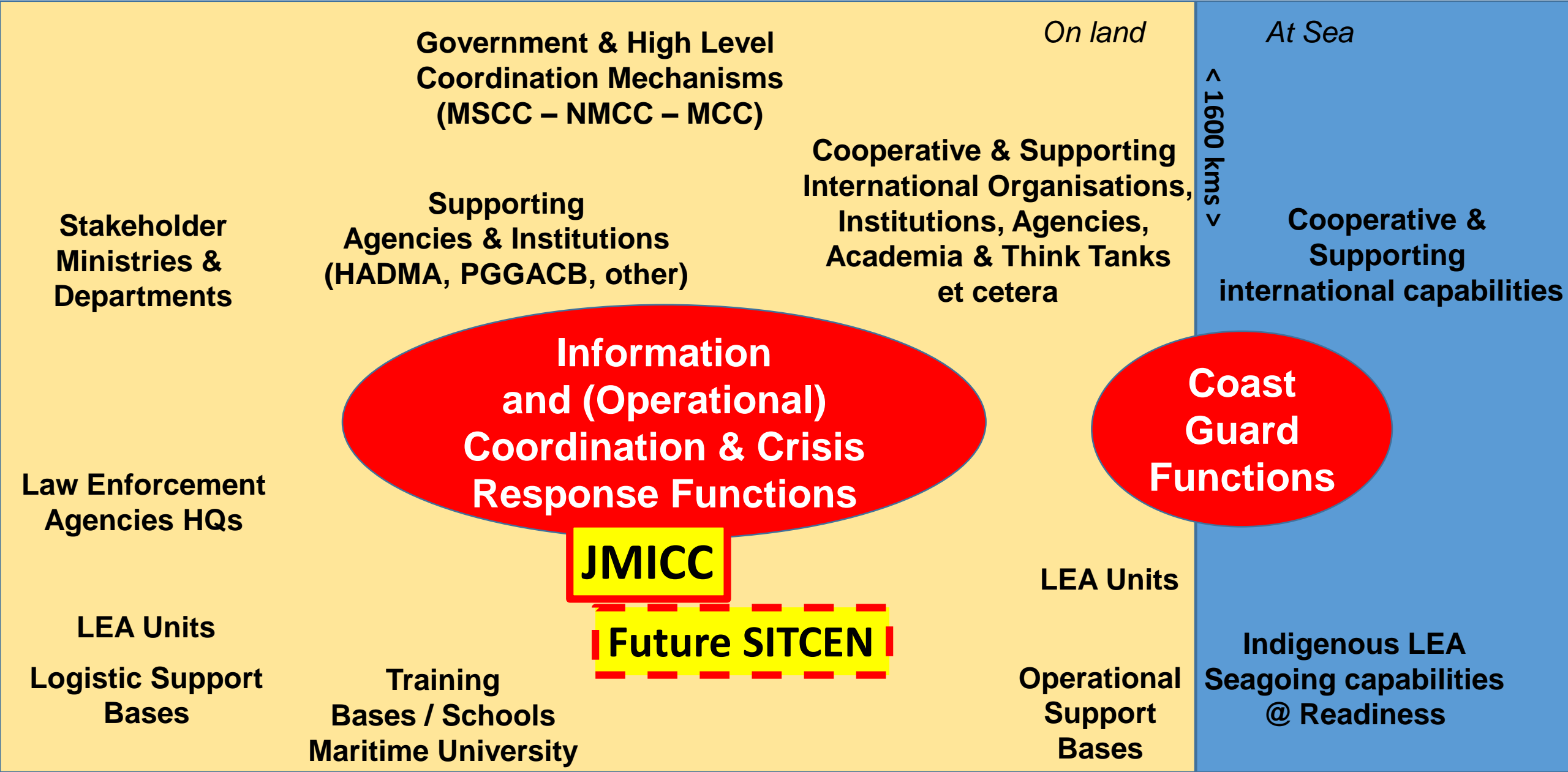


LoRaWAN = Long Range Wide Area Network

* Linked to initial ambition for MLEA



The Value Chain for Maritime Governance



The “JMICC Iceberg”



JMICC in its current location: a Working environment with IT, flat screen TVs, server room, office furniture and equipment, etc.

Trained and competent staff; working practices (SOP, SOI, etc.); Budget for running costs; JMICC POC Network; Coastal Reporting Nodes; enhanced facilities (kitchen/toilet); High Capacity internet; Formal Establishment; Achieving 24/7 ‘open for business’; motivated and happy staff; Stakeholder support; Sponsorships; external training courses; clear Vision and Mission; Job Descriptions; Staff’ “Critical Requirements”; HR policy; Mentor and OJT programme;

ET CETERA!!!



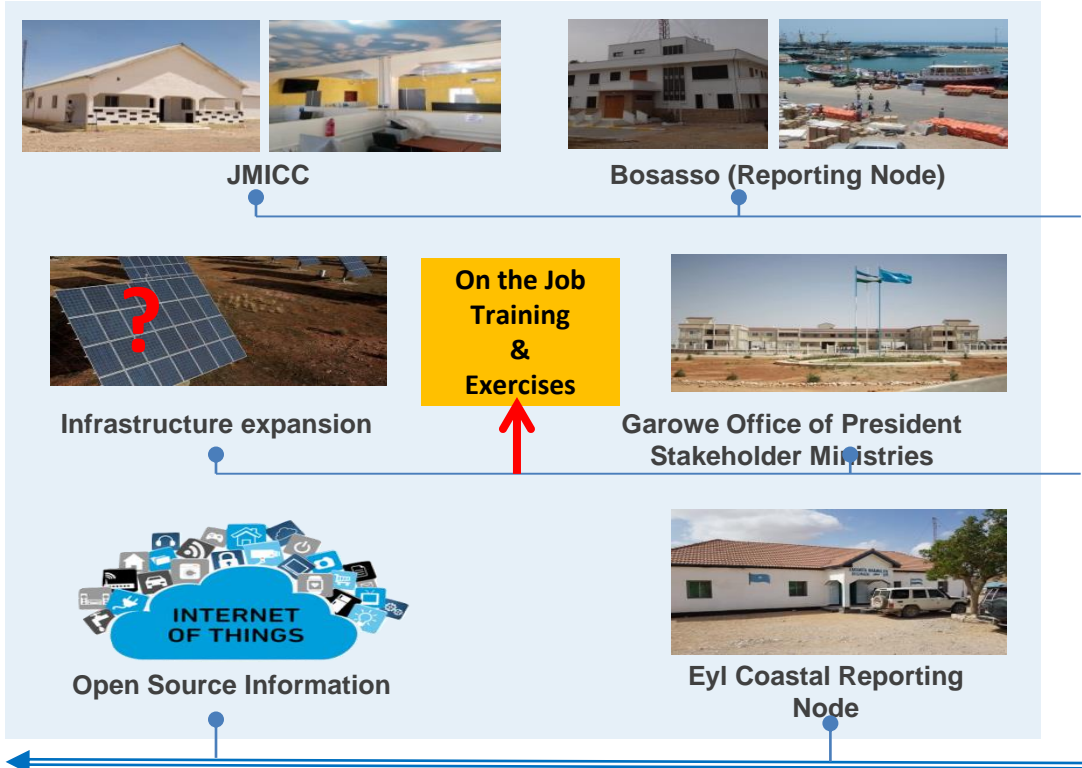
JMICC – Stakeholder Ministries

- Office of the President
- Ministry of Security & DDR
- Ministry of Maritime Transport, Ports & Maritime Crime Prevention
- Ministry of Fisheries and Marine Resources
- Ministry of Interior, Federalism and Democratization
- Ministry of Information, Telecommunication, Post and Cultural Heritage
- Ministry of Agriculture, Environment and Climate Change
- Ministry of Justice, Constitution & Religious Affairs
- Ministry of Finance
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IMPLEMENTATION PLAN – TRANSITION JMICC 1.0 TO JMICC 2.0 (2019 – 2020)



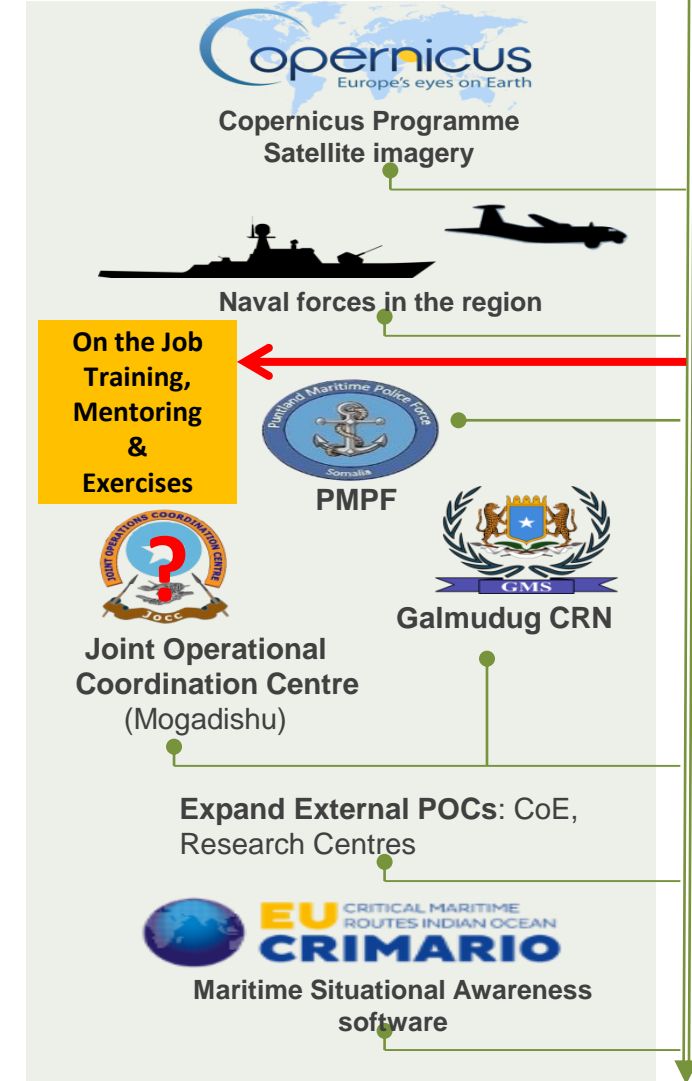
Phase 1 Q1 – Q3 2019



Phase 2 Q3 – Q4 2019



Phase 3 Q1 – Q4 2020



2019: Limited – Initial Operational Capability

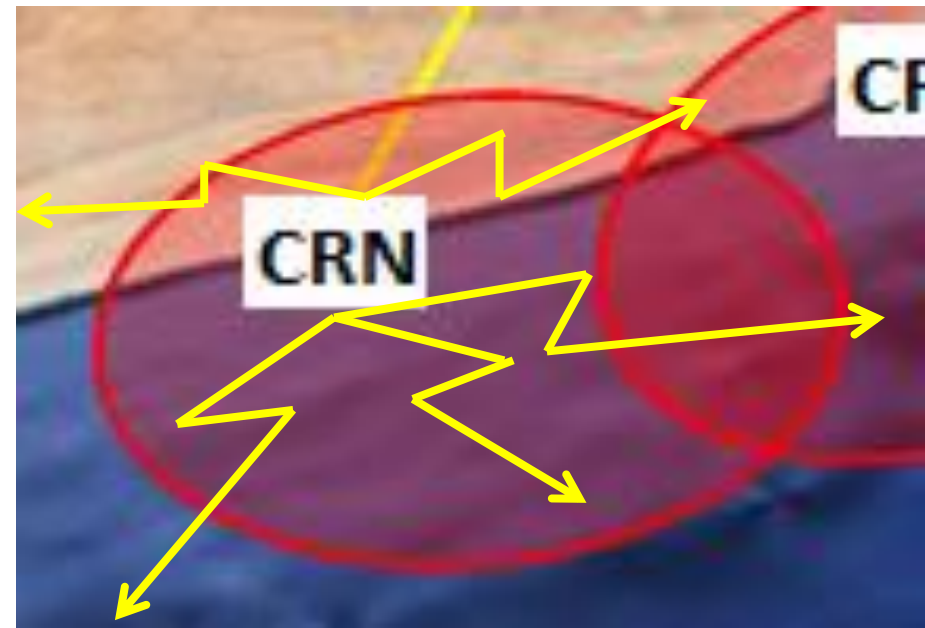
2020: Initial Operational Capability





Coastal Reporting Node (CRN) – What is it?

- An existing physical structure, such as a Police Station or local public building with ‘a spare room’ that already has, or will be equipped with “24/7” electricity and internet
 - Project JMICC will refurbish selected and prioritised police stations; and establish a dedicated room with ICT equipment, furniture etc.
 - Effective manning of the ‘Ops room’ is very dependent on staff available; and electricity and internet being functional
 - Language: Somali, (very) limited English





Phasing

- 1st Phase to Improve Present Situation:
 - ICT connection to the JMICC ‘Ecosystem’
 - Automatic Identification Systems (AIS) feed at prioritised CRN
 - Improve connectivity between Law Enforcement units (on land/sea) and CRN (and thus the JMICC)
 - TBC: Use Somtel/Golis infrastructure (i.e. masts and repeaters)
 - Establish Coastal Reporting Sectors associated to each CRN
 - (Maritime) VHF Channel separation
 - Group communication / define User Community
 - Teaching and Training of dedicated staff (on site and at the JMICC)

Phasing

- 3rd Phase to Improve Present Situation:
 - EO/IR sensors
 - Coastal radars
- After 2020



“The Jamaican Government has ordered several Thales's Coast Watcher 100 coastal surveillance systems to strengthen its capabilities. Under the USD30 million contract, the company will supply a turnkey system built around several Coast Watcher 100 radars, electro-optical sensors, and Global Maritime Distress and Safety System (GMDSS) radios. It will also deliver a National Control Centre that will process data from radars and sensors to provide operational capacity to the Jamaican Defence Forces.” (May 2019)



Provisional Implementation of the Maritime Safety and Security Architecture for Puntland



| Focus Area ↓ / Year → | 2019 | 2020 | 2021 | 2022 |
|---|---|---|--|---|
| Joint Maritime Information and Coordination Centre | JMICC at Limited Initial Operational Capability (L-IOC) | JMICC at IOC; Link to NMISC* established (TBC) | Further improve linkage to external organisations and agencies | Commence planning for transition into the Puntland SITCEN |
| Coastal Reporting Nodes (CRNs) | Approx. 3-4 CRN at L-IOC | All CRN at IOC | Introduce new technologies | Expand infrastructure |
| Puntland SITCEN | Awareness raising & orientation phase | Formulate design; identify funding instruments | Towards implementation if funding successful | Training Core Staff |
| Maritime Rescue Coordination Centre (MRCC) | Awareness raising & orientation phase (where situated?) | Implementation if possible | MRCC at IOC | Further improve and introduce new technologies |
| Education, Teaching and Training | For JMICC, CRNs, BP-MPU | As 2019 <i>plus</i> MRCC; include other security actors | Abroad courses | Abroad courses |
| Coast Guard Functions | Prioritisation; limited training and exercises | Focused engagement and exercises | Continue and expand | Continue and expand |
| Sea-going Capability Packages | Mentoring; limited equipment support (UNODC leading) | As 2019, within means and capability | TBC | TBC |

NMISC – (Somali) National Maritime Informational Sharing Centre (i.a.w. Jeddah Amendment to Djibouti Code of Conduct)